

Package ‘curatedTCGAData’

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Type Package

Title Curated Data From The Cancer Genome Atlas (TCGA) as
MultiAssayExperiment Objects

Version 1.0.3

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Description This package provides publicly available data from The Cancer Genome Atlas (TCGA) Bioconductor MultiAssayExperiment class objects. These objects integrate multiple assays (e.g. RNA-seq, copy number, mutation, microRNA, protein, and others) with clinical / pathological data. The MultiAssayExperiment class links assay barcodes with patient IDs, enabling harmonized subsetting of rows (features) and columns (patients / samples) across the entire experiment.

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Depends R (>= 3.4.0), MultiAssayExperiment

Imports AnnotationHub, ExperimentHub, S4Vectors, utils

Suggests BiocStyle, knitr, readr, rmarkdown, testthat

VignetteBuilder knitr

biocViews Homo_sapiens_Data, ReproducibleResearch, CancerData

LazyData true

LazyLoad yes

RoxygenNote 6.0.1

NeedsCompilation no

R topics documented:

curatedTCGAData-package	2
ACC	3
BLCA	64
BRCA	189
CESC	383

CHOL	485
COAD	532
curatedTCGAData	717
DLBC	718
ESCA	762
GBM	830
HNSC	1156
KICH	1260
KIRC	1311
KIRP	1475
LAML	1596
LGG	1629
LIHC	1762
LUAD	1851
LUSC	2037
MESO	2200
OV	2249
PAAD	2458
PCPG	2529
PRAD	2598
READ	2682
SARC	2847
SKCM	2952
STAD	3064
TGCT	3163
THCA	3220
THYM	3316
UCEC	3367
UCS	3496
UVM	3544

curatedTCGAData-package

curatedTCGAData-package

Description

The following are the TCGA cancer codes and full names.

	Study Abbreviation	Study Name
1	ACC	Adrenocortical Carcinoma
2	BLCA	Bladder Urothelial Carcinoma
3	BRCA	Breast Invasive Carcinoma
4	CESC	Cervical Squamous Cell Carcinoma And Endocervical Adenocarcinoma
5	CHOL	Cholangiocarcinoma
6	CNTL	Controls
7	COAD	Colon Adenocarcinoma
8	DLBC	Lymphoid Neoplasm Diffuse Large B-cell Lymphoma
9	ESCA	Esophageal Carcinoma

10	GBM	Glioblastoma Multiforme
11	HNSC	Head And Neck Squamous Cell Carcinoma
12	KICH	Kidney Chromophobe
13	KIRC	Kidney Renal Clear Cell Carcinoma
14	KIRP	Kidney Renal Papillary Cell Carcinoma
15	LAML	Acute Myeloid Leukemia
16	LGG	Brain Lower Grade Glioma
17	LIHC	Liver Hepatocellular Carcinoma
18	LUAD	Lung Adenocarcinoma
19	LUSC	Lung Squamous Cell Carcinoma
20	MESO	Mesothelioma
21	OV	Ovarian Serous Cystadenocarcinoma
22	PAAD	Pancreatic Adenocarcinoma
23	PCPG	Pheochromocytoma And Paraganglioma
24	PRAD	Prostate Adenocarcinoma
25	READ	Rectum Adenocarcinoma
26	SARC	Sarcoma
27	SKCM	Skin Cutaneous Melanoma
28	STAD	Stomach Adenocarcinoma
29	TGCT	Testicular Germ Cell Tumors
30	THCA	Thyroid Carcinoma
31	THYM	Thymoma
32	UCEC	Uterine Corpus Endometrial Carcinoma
33	UCS	Uterine Carcinosarcoma
34	UVM	Uveal Melanoma

Examples

```
help(package = "curatedTCGAData")
```

ACC

Adrenocortical carcinoma

Description

A document describing the TCGA cancer code

Details

```
> experiments( ACC )
ExperimentList class object of length 9:
 [1] CNASNP-20160128: RaggedExperiment with 79861 rows and 180 columns
 [2] CNVSNP-20160128: RaggedExperiment with 21052 rows and 180 columns
 [3] GISTIC_AllByGene-20160128: SummarizedExperiment with 24776 rows and 90 columns
 [4] GISTIC_ThresholdedByGene-20160128: SummarizedExperiment with 24776 rows and 90 columns
 [5] Methylation-20160128: SummarizedExperiment with 485577 rows and 80 columns
 [6] miRNASeqGene-20160128: SummarizedExperiment with 1046 rows and 80 columns
 [7] Mutation-20160128: RaggedExperiment with 20166 rows and 90 columns
 [8] RNASeq2GeneNorm-20160128: SummarizedExperiment with 20501 rows and 79 columns
 [9] RPPAArray-20160128: SummarizedExperiment with 192 rows and 46 columns
```

```
> rownames( ACC )
CharacterList of length 9
[["CNASNP-20160128"]] character(0)
[["CNVSNP-20160128"]] character(0)
[["GISTIC_AllByGene-20160128"]] ACAP3 ACTRT2 ... WASIR1|ENSG00000185203.7
[["GISTIC_ThresholdedByGene-20160128"]] ACAP3 ... WASIR1|ENSG00000185203.7
[["Methylation-20160128"]] cg00000029 cg00000108 ... rs966367 rs9839873
[["miRNASeqGene-20160128"]] hsa-let-7a-1 hsa-let-7a-2 ... hsa-mir-99b
[["Mutation-20160128"]] character(0)
[["RNASeq2GeneNorm-20160128"]] A1BG A1CF A2BP1 A2LD1 ... ZZZ3 psiTPTE22 tAKR
[["RPPAArray-20160128"]] 14-3-3_beta 14-3-3_epsilon ... p90RSK_pT359_S363
```

```
> colnames( ACC )
CharacterList of length 9
[["CNASNP-20160128"]] TCGA-OR-A5J1-01A-11D-A29H-01 ...
[["CNVSNP-20160128"]] TCGA-OR-A5J1-01A-11D-A29H-01 ...
[["GISTIC_AllByGene-20160128"]] TCGA-OR-A5J1-01A-11D-A29H-01 ...
[["GISTIC_ThresholdedByGene-20160128"]] TCGA-OR-A5J1-01A-11D-A29H-01 ...
[["Methylation-20160128"]] TCGA-OR-A5J1-01A-11D-A29J-05 ...
[["miRNASeqGene-20160128"]] TCGA-OR-A5J1-01A-11R-A29W-13 ...
[["Mutation-20160128"]] TCGA-OR-A5J1-01A-11D-A29I-10 ...
[["RNASeq2GeneNorm-20160128"]] TCGA-OR-A5J1-01A-11R-A29S-07 ...
[["RPPAArray-20160128"]] TCGA-OR-A5J2-01A-21-A39K-20 ...
```

Sizes of each ExperimentList element:

		assay	size.Mb
1		CNASNP-20160128	2.2 Mb
2		CNVSNP-20160128	0.6 Mb
3		GISTIC_AllByGene-20160128	4.3 Mb
4		GISTIC_ThresholdedByGene-20160128	4.3 Mb
5		Methylation-20160128	67.4 Mb
6		miRNASeqGene-20160128	0.1 Mb
7		Mutation-20160128	11.9 Mb
8		RNASeq2GeneNorm-20160128	1.1 Mb
9		RPPAArray-20160128	0 Mb

Overall survival time-to-event summary (in years):

```
Call: survfit(formula = survival::Surv(colDat$days_to_death/365, colDat$vital_status - 1)
```

```

  58 observations deleted due to missingness
      n events median 0.95LCL 0.95UCL
34.00  34.00   1.51   1.34   3.03
```

Available sample meta-data:

```

years_to_birth:
  Min. 1st Qu.  Median    Mean 3rd Qu.  Max.
  14.00  35.50   48.50   47.16  60.00   83.00

vital_status:
  0 1
  58 34

days_to_death:
  Min. 1st Qu.  Median    Mean 3rd Qu.  Max.  NA's
  0.0  399.0   551.5   854.6 1202.2 2405.0  58

days_to_last_followup:
  Min. 1st Qu.  Median    Mean 3rd Qu.  Max.  NA's
  383.0  917.8 1453.5 1781.6 2339.2 4673.0  34

tumor_tissue_site:
adrenal
  92

pathologic_stage:
  stage i  stage ii  stage iii  stage iv  NA's
  9       44      19       18       2

pathology_T_stage:
  t1  t2  t3  t4  NA's
  9  49  11  21  2

pathology_N_stage:
  n0  n1  NA's
  80  10  2

gender:
female  male
  60    32

date_of_initial_pathologic_diagnosis:
  Min. 1st Qu.  Median    Mean 3rd Qu.  Max.
  1997  2005   2008   2007  2011   2012

radiation_therapy:
  no  yes  NA's
  71  18   3

histological_type:
  adrenocortical carcinoma- myxoid type
  1
  adrenocortical carcinoma- oncocytic type
  4
  adrenocortical carcinoma- usual type

```

87

residual_tumor:

r0	r1	r2	rx	NA's
64	7	12	6	3

number_of_lymph_nodes:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0.000	0.000	0.000	2.548	0.500	52.000	61

race:

asian	black	or african american
2		1
NA's		
11		

white
78

ethnicity:

hispanic or latino	not hispanic or latino
8	40

NA's
44

admin.bcr:

nationwide children's hospital
92

admin.day_of_dcc_upload:

1
92

admin.disease_code:

acc
92

admin.month_of_dcc_upload:

10
92

admin.patient_withdrawal.withdrawn:

false
92

admin.project_code:

tcga
92

admin.year_of_dcc_upload:

2015
92

patient.clinical_cqcf.consent_or_death_status:

consented	deceased	waiver

75 6 11

```

patient.clinical_cqcf.days_to_consent:
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.   NA's
-294.0    0.0    0.0   169.5   22.5  3682.0   17

patient.clinical_cqcf.days_to_death:
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.   NA's
  0.0   245.0   423.0   571.7   706.0  1677.0   85

patient.clinical_cqcf.histological_type:
  adrenocortical carcinoma- myxoid type
                                     1
  adrenocortical carcinoma- oncocytic type
                                     4
  adrenocortical carcinoma- usual type
                                     87

patient.clinical_cqcf.history_of_neoadjuvant_treatment:
                                     no
                                     91
yes, pharmaceutical treatment prior to resection
                                     1

patient.clinical_cqcf.normal_tissue_anatomic_site:
kidney  other  NA's
   3     1     88

patient.clinical_cqcf.normal_tissue_proximity:
distal (>2cm)      NA's
                   4      88

patient.clinical_cqcf.tumor_type:
primary
   92

patient.day_of_form_completion:
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.
  2.00   5.00   9.00   11.74   17.00   27.00

patient.days_to_birth:
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.
-30535 -22097 -18016 -17422 -13032 -5383

patient.days_to_death:
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.   NA's
  0.0   387.0   552.0   827.8  1200.5  2385.0   61

patient.days_to_last_followup:
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.   NA's
  149    645   1183   1436   1942   4673   31

```

```

patient.drugs.drug.10.bcr_drug_barcode:
tcga-ou-a5pi-d65719          NA's
      1                      91

patient.drugs.drug.10.bcr_drug_uuid:
63516d8e-6fd0-445d-87c1-a324961e772c          NA's
      1                      91

patient.drugs.drug.10.day_of_form_completion:
29 NA's
  1  91

patient.drugs.drug.10.days_to_drug_therapy_end:
878 NA's
  1  91

patient.drugs.drug.10.days_to_drug_therapy_start:
725 NA's
  1  91

patient.drugs.drug.10.drug_name:
avastin      NA's
      1      91

patient.drugs.drug.10.measure_of_response:
stable disease          NA's
      1                  91

patient.drugs.drug.10.month_of_form_completion:
9 NA's
  1  91

patient.drugs.drug.10.therapy_ongoing:
no NA's
  1  91

patient.drugs.drug.10.therapy_types.therapy_type:
immunotherapy          NA's
      1                  91

patient.drugs.drug.10.tx_on_clinical_trial:
no NA's
  1  91

patient.drugs.drug.10.year_of_form_completion:
2014 NA's
  1  91

patient.drugs.drug.2.bcr_drug_barcode:
tcga-or-a5jm-d49540 tcga-or-a5k2-d48216 tcga-ou-a5pi-d45487          NA's
      1                      1                      1                      89

```



```

patient.drugs.drug.2.bcr_drug_uuid:
2b5dd32a-1f38-4899-a90f-77c16b1f900e 3511fdb0-aa74-42f8-a96f-22043a6186d2
                                     1                                     1
529c2145-589c-4daf-b2de-b256c181efc6                                     NA's
                                     1                                     89

patient.drugs.drug.2.day_of_form_completion:
  3  10  16 NA's
  1   1   1  89

patient.drugs.drug.2.days_to_drug_therapy_end:
239 298 439 NA's
  1   1   1  89

patient.drugs.drug.2.days_to_drug_therapy_start:
 69 118 378 NA's
  1   1   1  89

patient.drugs.drug.2.drug_name:
  cisplatin  doxorubicin  ketoconazole      NA's
                1                1                1                89

patient.drugs.drug.2.measure_of_response:
clinical progressive disease      stable disease
                                1                                1
                                NA's
                                90

patient.drugs.drug.2.month_of_form_completion:
  7   9  10 NA's
  1   1   1  89

patient.drugs.drug.2.therapy_ongoing:
no NA's
  3  89

patient.drugs.drug.2.therapy_types.therapy_type:
  chemotherapy  targeted  molecular  therapy
                2                1
                NA's
                89

patient.drugs.drug.2.tx_on_clinical_trial:
no NA's
  3  89

patient.drugs.drug.2.year_of_form_completion:
2013 NA's
  3  89

patient.drugs.drug.3.bcr_drug_barcode:

```

```

tcga-or-a5k2-d48217 tcga-ou-a5pi-d45488          NA's
                1                1                90

patient.drugs.drug.3.bcr_drug_uuid:
30e49257-af92-4c80-9da6-2ea6444dcb07 c4f9820c-381e-4ea5-86e2-c6be026baf87
                1                                1
                NA's
                90

patient.drugs.drug.3.day_of_form_completion:
10  16 NA's
1   1  90

patient.drugs.drug.3.days_to_drug_therapy_end:
239 299 NA's
1   1  90

patient.drugs.drug.3.days_to_drug_therapy_start:
55  118 NA's
1   1  90

patient.drugs.drug.3.drug_name:
carboplatin  cisplatin          NA's
                1                1                90

patient.drugs.drug.3.measure_of_response:
stable disease          NA's
                1                91

patient.drugs.drug.3.month_of_form_completion:
7   9 NA's
1   1  90

patient.drugs.drug.3.therapy_ongoing:
no NA's
2   90

patient.drugs.drug.3.therapy_types.therapy_type:
chemotherapy          NA's
                2                90

patient.drugs.drug.3.tx_on_clinical_trial:
no NA's
2   90

patient.drugs.drug.3.year_of_form_completion:
2013 NA's
2   90

patient.drugs.drug.4.bcr_drug_barcode:
tcga-or-a5k2-d48219 tcga-ou-a5pi-d45489          NA's
                1                1                90

```

```

patient.drugs.drug.4.bcr_drug_uuid:
d2547fc3-e37d-4bb0-bed0-c4a5989cd685 fac3df36-8c2f-4de8-aa0b-36eac3a6a9d0
                                1                                1
                                NA's
                                90

patient.drugs.drug.4.day_of_form_completion:
10  16 NA's
1   1  90

patient.drugs.drug.4.days_to_drug_therapy_end:
239 298 NA's
1   1  90

patient.drugs.drug.4.days_to_drug_therapy_start:
69  118 NA's
1   1  90

patient.drugs.drug.4.drug_name:
etoposide  mitotane      NA's
           1           1      90

patient.drugs.drug.4.measure_of_response:
stable disease      NA's
                   1      91

patient.drugs.drug.4.month_of_form_completion:
7   9 NA's
1   1  90

patient.drugs.drug.4.therapy_ongoing:
no NA's
2   90

patient.drugs.drug.4.therapy_types.therapy_type:
chemotherapy      NA's
                 2      90

patient.drugs.drug.4.tx_on_clinical_trial:
no NA's
2   90

patient.drugs.drug.4.year_of_form_completion:
2013 NA's
2   90

patient.drugs.drug.5.bcr_drug_barcode:
tcga-ou-a5pi-d65713      NA's
                        1      91

patient.drugs.drug.5.bcr_drug_uuid:

```

24e5dd42-a517-41eb-96b5-31b361e509af
1 NA's
91

patient.drugs.drug.5.day_of_form_completion:
29 NA's
1 91

patient.drugs.drug.5.days_to_drug_therapy_end:
694 NA's
1 91

patient.drugs.drug.5.days_to_drug_therapy_start:
605 NA's
1 91

patient.drugs.drug.5.drug_name:
carboplatin NA's
1 91

patient.drugs.drug.5.measure_of_response:
stable disease NA's
1 91

patient.drugs.drug.5.month_of_form_completion:
9 NA's
1 91

patient.drugs.drug.5.therapy_ongoing:
no NA's
1 91

patient.drugs.drug.5.therapy_types.therapy_type:
chemotherapy NA's
1 91

patient.drugs.drug.5.tx_on_clinical_trial:
no NA's
1 91

patient.drugs.drug.5.year_of_form_completion:
2014 NA's
1 91

patient.drugs.drug.6.bcr_drug_barcode:
tcga-ou-a5pi-d65714 NA's
1 91

patient.drugs.drug.6.bcr_drug_uuid:
ede41fc6-31ac-48cc-90d7-34982230c4e6 NA's
1 91

patient.drugs.drug.6.day_of_form_completion:

```

29 NA's
1 91

patient.drugs.drug.6.days_to_drug_therapy_end:
694 NA's
1 91

patient.drugs.drug.6.days_to_drug_therapy_start:
605 NA's
1 91

patient.drugs.drug.6.drug_name:
etoposide NA's
1 91

patient.drugs.drug.6.measure_of_response:
stable disease NA's
1 91

patient.drugs.drug.6.month_of_form_completion:
9 NA's
1 91

patient.drugs.drug.6.therapy_ongoing:
no NA's
1 91

patient.drugs.drug.6.therapy_types.therapy_type:
chemotherapy NA's
1 91

patient.drugs.drug.6.tx_on_clinical_trial:
no NA's
1 91

patient.drugs.drug.6.year_of_form_completion:
2014 NA's
1 91

patient.drugs.drug.7.bcr_drug_barcode:
tcga-ou-a5pi-d65715 NA's
1 91

patient.drugs.drug.7.bcr_drug_uuid:
5210e184-ab88-43fb-aa3e-075b069c7641 NA's
1 91

patient.drugs.drug.7.day_of_form_completion:
29 NA's
1 91

patient.drugs.drug.7.days_to_drug_therapy_end:

```

```

694 NA's
  1  91

patient.drugs.drug.7.days_to_drug_therapy_start:
605 NA's
  1  91

patient.drugs.drug.7.drug_name:
doxorubicin      NA's
      1          91

patient.drugs.drug.7.measure_of_response:
stable disease   NA's
      1          91

patient.drugs.drug.7.month_of_form_completion:
  9 NA's
  1  91

patient.drugs.drug.7.therapy_ongoing:
no NA's
  1  91

patient.drugs.drug.7.therapy_types.therapy_type:
chemotherapy     NA's
      1          91

patient.drugs.drug.7.tx_on_clinical_trial:
no NA's
  1  91

patient.drugs.drug.7.year_of_form_completion:
2014 NA's
  1  91

patient.drugs.drug.8.bcr_drug_barcode:
tcga-ou-a5pi-d65717      NA's
      1                  91

patient.drugs.drug.8.bcr_drug_uuid:
c580d8a5-b9ba-408b-b48c-475ec3b9b71d      NA's
      1                                     91

patient.drugs.drug.8.day_of_form_completion:
29 NA's
  1  91

patient.drugs.drug.8.days_to_drug_therapy_end:
817 NA's
  1  91

patient.drugs.drug.8.days_to_drug_therapy_start:

```

725 NA's
1 91

patient.drugs.drug.8.drug_name:
carboplatin NA's
1 91

patient.drugs.drug.8.measure_of_response:
stable disease NA's
1 91

patient.drugs.drug.8.month_of_form_completion:
9 NA's
1 91

patient.drugs.drug.8.therapy_ongoing:
no NA's
1 91

patient.drugs.drug.8.therapy_types.therapy_type:
chemotherapy NA's
1 91

patient.drugs.drug.8.tx_on_clinical_trial:
no NA's
1 91

patient.drugs.drug.8.year_of_form_completion:
2014 NA's
1 91

patient.drugs.drug.9.bcr_drug_barcode:
tcga-ou-a5pi-d65718 NA's
1 91

patient.drugs.drug.9.bcr_drug_uuid:
db218b3e-4521-4679-b6ec-6007015ddcb0 NA's
1 91

patient.drugs.drug.9.day_of_form_completion:
29 NA's
1 91

patient.drugs.drug.9.days_to_drug_therapy_end:
817 NA's
1 91

patient.drugs.drug.9.days_to_drug_therapy_start:
725 NA's
1 91

patient.drugs.drug.9.drug_name:

```

streptozocin          NA's
      1                91

patient.drugs.drug.9.measure_of_response:
stable disease        NA's
      1                91

patient.drugs.drug.9.month_of_form_completion:
  9 NA's
  1  91

patient.drugs.drug.9.therapy_ongoing:
no NA's
  1  91

patient.drugs.drug.9.therapy_types.therapy_type:
chemotherapy          NA's
      1                91

patient.drugs.drug.9.tx_on_clinical_trial:
no NA's
  1  91

patient.drugs.drug.9.year_of_form_completion:
2014 NA's
  1  91

patient.drugs.drug.day_of_form_completion:
  3  10  11  16 NA's
  1   1   1   2  87

patient.drugs.drug.days_to_drug_therapy_end:
  Min. 1st Qu.  Median    Mean 3rd Qu.  Max.    NA's
  93.0  239.0  298.0  419.6  439.0 1029.0    87

patient.drugs.drug.days_to_drug_therapy_start:
  Min. 1st Qu.  Median    Mean 3rd Qu.  Max.    NA's
  69.0   78.0  118.0  322.2  378.0  968.0    87

patient.drugs.drug.measure_of_response:
clinical progressive disease      stable disease
                                2                1
                                NA's
                                89

patient.drugs.drug.month_of_form_completion:
  7   9  10 NA's
  1   3   1  87

```


patient.drugs.drug.therapy_ongoing:

no NA's
5 87

patient.drugs.drug.therapy_types.therapy_type:

chemotherapy targeted molecular therapy
3 2
NA's
87

patient.drugs.drug.tx_on_clinical_trial:

no yes NA's
4 1 87

patient.drugs.drug.year_of_form_completion:

2013 NA's
5 87

patient.ethnicity:

hispanic or latino not hispanic or latino NA's
8 40 44

patient.follow_ups.follow_up.2.day_of_form_completion:

25 30 NA's
3 8 81

patient.follow_ups.follow_up.2.days_to_death:

2405 NA's
1 91

patient.follow_ups.follow_up.2.days_to_last_followup:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1082	1908	2336	2340	2964	3465	82

patient.follow_ups.follow_up.2.lost_follow_up:

no NA's
11 81

patient.follow_ups.follow_up.2.mitotane_therapy_adjuvant_setting:

no yes NA's
6 5 81

patient.follow_ups.follow_up.2.month_of_form_completion:

3 NA's
11 81

patient.follow_ups.follow_up.2.new_tumor_events.new_tumor_event.2.additional pha

yes NA's
1 91

patient.follow_ups.follow_up.2.new_tumor_events.new_tumor_event.2.additional_rad
 yes NA's
 1 91

patient.follow_ups.follow_up.2.new_tumor_events.new_tumor_event.2.days_to_new_tu
 1309 NA's
 1 91

patient.follow_ups.follow_up.2.new_tumor_events.new_tumor_event.2.days_to_new_tu
 153 NA's
 1 91

patient.follow_ups.follow_up.2.new_tumor_events.new_tumor_event.2.histologic_dis
 yes NA's
 1 91

patient.follow_ups.follow_up.2.new_tumor_events.new_tumor_event.2.new_neoplasm_o
 imaging NA's
 1 91

patient.follow_ups.follow_up.2.new_tumor_events.new_tumor_event.2.new_neoplasm_e
 lymph node(s) NA's
 1 91

patient.follow_ups.follow_up.2.new_tumor_events.new_tumor_event.2.new_neoplasm_e
 distant metastasis NA's
 1 91

patient.follow_ups.follow_up.2.new_tumor_events.new_tumor_event.2.new_tumor_even
 yes NA's
 1 91

patient.follow_ups.follow_up.2.new_tumor_events.new_tumor_event.additional_pharm
 no yes NA's
 1 1 90

patient.follow_ups.follow_up.2.new_tumor_events.new_tumor_event.additional_radia
 yes NA's
 2 90

patient.follow_ups.follow_up.2.new_tumor_events.new_tumor_event.days_to_new_tumo
 883 1309 NA's
 1 1 90

patient.follow_ups.follow_up.2.new_tumor_events.new_tumor_event.days_to_new_tumo
 153 826 NA's
 1 1 90

patient.follow_ups.follow_up.2.new_tumor_events.new_tumor_event.histologic_disea
 yes NA's
 1 91

patient.follow_ups.follow_up.2.new_tumor_events.new_tumor_event.new_neoplasm_con
 imaging NA's
 2 90

patient.follow_ups.follow_up.2.new_tumor_events.new_tumor_event.new_neoplasm_eve
 lung peritoneal surfaces NA's
 1 1 90

patient.follow_ups.follow_up.2.new_tumor_events.new_tumor_event.new_neoplasm_eve
 distant metastasis locoregional recurrence NA's
 1 1 90

patient.follow_ups.follow_up.2.new_tumor_events.new_tumor_event.new_tumor_event_
 yes NA's
 2 90

patient.follow_ups.follow_up.2.new_tumor_events.new_tumor_event_after_initial_tr
 no yes NA's
 7 2 83

patient.follow_ups.follow_up.2.person_neoplasm_cancer_status:
 tumor free with tumor NA's
 10 1 81

patient.follow_ups.follow_up.2.post_surgical_procedure_assessment_thyroid_gland_
 no imaging evidence of disease NA's
 11 81

patient.follow_ups.follow_up.2.postoperative_rx_tx:
 no yes NA's
 6 5 81

patient.follow_ups.follow_up.2.primary_therapy_outcome_success:
 complete remission/response NA's
 11 81

patient.follow_ups.follow_up.2.radiation_therapy:
 no yes NA's
 10 1 81

patient.follow_ups.follow_up.2.therapeutic_mitotane_levels_achieved:
 no yes NA's
 1 4 87

patient.follow_ups.follow_up.2.vital_status:
 alive dead NA's
 10 1 81

patient.follow_ups.follow_up.2.year_of_form_completion:
 2015 NA's
 11 81

```
patient.follow_ups.follow_up.day_of_form_completion:
  Min. 1st Qu. Median      Mean 3rd Qu.  Max.   NA's
  1.00   8.00  11.00   11.17  15.00  31.00   32
```

```
patient.follow_ups.follow_up.days_to_death:
  Min. 1st Qu. Median      Mean 3rd Qu.  Max.   NA's
 436.0  490.0  498.0   926.2 1355.0 1852.0   87
```

```
patient.follow_ups.follow_up.days_to_last_followup:
  Min. 1st Qu. Median      Mean 3rd Qu.  Max.   NA's
  464   878  1424   1747  2212  4673   41
```

```
patient.follow_ups.follow_up.lost_follow_up:
  no  yes NA's
  56   4  32
```

```
patient.follow_ups.follow_up.mitotane_therapy_adjuvant_setting:
  no  yes NA's
  25  31  36
```

```
patient.follow_ups.follow_up.month_of_form_completion:
  Min. 1st Qu. Median      Mean 3rd Qu.  Max.   NA's
 5.000  5.000  6.000   5.867  6.000 12.000   32
```

```
patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.2.additional_pharm
yes NA's
  7  85
```

```
patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.2.additional_radia
no  yes NA's
  5   2  85
```

```
patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.2.days_to_new_tumo
  Min. 1st Qu. Median      Mean 3rd Qu.  Max.   NA's
   69   561  1003   905  1309  1583   87
```

```
patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.2.days_to_new_tumo
  Min. 1st Qu. Median      Mean 3rd Qu.  Max.   NA's
 61.0   96.5  200.0  339.0  428.5 1149.0   84
```

```
patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.2.histologic_disea
no  yes NA's
  2   4  86
```

```
patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.2.new_neoplasm_con
imaging pathology      NA's
   5       3       84
```

```
patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.2.new_neoplasm_eve
```

distant metastasis		NA's	
	8		84
patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.2.new_neoplasm_occurrence			
soft tissue of pancreatic tail		NA's	
	1		91
patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.2.new_tumor_event_2			
no yes NA's			
	3	5	84
patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.3.additional_pharmaceuticals			
yes NA's			
	2		90
patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.3.additional_radiation			
yes NA's			
	2		90
patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.3.days_to_new_tumor_event			
69 NA's			
	1		91
patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.3.days_to_new_tumor_event			
61 62 NA's			
	1	1	90
patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.3.histologic_disease			
no yes NA's			
	1	1	90
patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.3.new_neoplasm_confirmed			
imaging pathology NA's			
	1	1	90
patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.3.new_neoplasm_event			
liver lymph node(s) NA's			
	1	1	90
patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.3.new_neoplasm_event			
distant metastasis NA's			
	2		90
patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.3.new_tumor_event_3			
no yes NA's			
	1	1	90
patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.additional_pharmaceuticals			
no yes NA's			
	5	12	75
patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.additional_radiation			

no	yes	NA's
12	5	75

patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.days_to_new_tumor						
Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
69.0	641.5	1061.5	1029.1	1298.5	2112.0	82

patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.days_to_new_tumor						
Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
61.0	166.0	391.0	582.5	826.0	2099.0	75

patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.histologic_disease		
no	yes	NA's
3	9	80

patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.new_neoplasm_confir		
imaging	pathology	NA's
11	6	75

patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.new_neoplasm_event		
distant metastasis	locoregional	recurrence
	16	1
		NA's
		75

patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.new_neoplasm_occu	
pancreas	NA's
1	91

patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.new_tumor_event_ad		
no	yes	NA's
7	10	75

patient.follow_ups.follow_up.new_tumor_events.new_tumor_event_after_initial_trea		
no	yes	NA's
34	17	41

patient.follow_ups.follow_up.person_neoplasm_cancer_status:		
tumor free	with tumor	NA's
42	14	36

patient.follow_ups.follow_up.post_surgical_procedure_assessment_thyroid_gland_ca		
no imaging evidence of disease	persistent distant metastases	
	49	6
	NA's	
	37	

patient.follow_ups.follow_up.postoperative_rx_tx:		
no	yes	NA's
24	32	36

patient.follow_ups.follow_up.primary_therapy_outcome_success:	
complete remission/response	partial remission/response

	47		1
progressive disease		stable disease	
	6		2
	NA's		
	36		

patient.follow_ups.follow_up.radiation_therapy:

no	yes	NA's
47	9	36

patient.follow_ups.follow_up.therapeutic_mitotane_levels_achieved:

no	yes	NA's
7	22	63

patient.follow_ups.follow_up.vital_status:

alive	dead	NA's
51	5	36

patient.follow_ups.follow_up.year_of_form_completion:

2014	NA's
60	32

patient.gender:

female	male
60	32

patient.history_of_neoadjuvant_treatment:

no	yes
91	1

patient.icd_10:

c74.0
92

patient.icd_o_3_histology:

8370/1	8370/3
5	87

patient.icd_o_3_site:

c74.0
92

patient.informed_consent_verified:

yes
92

patient.mitotane_therapy:

no	yes	NA's
32	55	5

patient.mitotane_therapy_adjuvant_setting:

no	yes	NA's
----	-----	------

5 43 44

patient.mitotane_therapy_for_macroscopic_residual_disease:

no yes NA's
4 10 78

patient.month_of_form_completion:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.
2.000	9.000	9.000	9.098	11.000	12.000

patient.new_tumor_events.new_tumor_event.2.additional_pharmaceutical_therapy:

no yes NA's
4 7 81

patient.new_tumor_events.new_tumor_event.2.additional_radiation_therapy:

no yes NA's
10 1 81

patient.new_tumor_events.new_tumor_event.2.days_to_new_tumor_event_additional_surgery:

1003 1583 NA's
1 1 90

patient.new_tumor_events.new_tumor_event.2.days_to_new_tumor_event_after_initial_surgery:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
11.0	64.5	134.5	180.9	179.0	783.0	78

patient.new_tumor_events.new_tumor_event.2.histologic_disease_progression_present:

no yes NA's
2 1 89

patient.new_tumor_events.new_tumor_event.2.new_neoplasm_confirmed_diagnosis_method:

imaging NA's
12 80

patient.new_tumor_events.new_tumor_event.2.new_neoplasm_event_type:

biochemical evidence of disease	distant metastasis
1	10
locoregional recurrence	NA's
3	78

patient.new_tumor_events.new_tumor_event.2.new_neoplasm_occurrence_anatomic_site:

brain NA's
1 91

patient.new_tumor_events.new_tumor_event.2.new_tumor_event_additional_surgery_performed:

no yes NA's
9 2 81

patient.new_tumor_events.new_tumor_event.3.additional_pharmaceutical_therapy:

no yes NA's
1 2 89


```
patient.new_tumor_events.new_tumor_event.3.additional_radiation_therapy:
  no  yes NA's
    2   1  89
```

```
patient.new_tumor_events.new_tumor_event.3.days_to_new_tumor_event_after_initial
 61 126 162 236 NA's
  1   1   1   1  88
```

```
patient.new_tumor_events.new_tumor_event.3.histologic_disease_progression_present
no NA's
 1  91
```

```
patient.new_tumor_events.new_tumor_event.3.new_neoplasm_confirmed_diagnosis_method
imaging      NA's
             4      88
```

```
patient.new_tumor_events.new_tumor_event.3.new_neoplasm_event_occurrence_anatomical
liver lung NA's
  3   1   88
```

```
patient.new_tumor_events.new_tumor_event.3.new_neoplasm_event_type:
distant metastasis      NA's
                       4      88
```

```
patient.new_tumor_events.new_tumor_event.3.new_tumor_event_additional_surgery_performed
no NA's
 3  89
```

```
patient.new_tumor_events.new_tumor_event.4.days_to_new_tumor_event_after_initial
236 NA's
 1  91
```

```
patient.new_tumor_events.new_tumor_event.4.new_neoplasm_confirmed_diagnosis_method
imaging      NA's
             1      91
```

```
patient.new_tumor_events.new_tumor_event.4.new_neoplasm_event_occurrence_anatomical
liver NA's
 1  91
```

```
patient.new_tumor_events.new_tumor_event.4.new_neoplasm_event_type:
distant metastasis      NA's
                       1      91
```

```
patient.new_tumor_events.new_tumor_event.additional_pharmaceutical_therapy:
  no  yes NA's
 14  25  53
```

```
patient.new_tumor_events.new_tumor_event.additional_radiation_therapy:
  no  yes NA's
 30   9  53
```

```
patient.new_tumor_events.new_tumor_event.days_to_new_tumor_event_additional_surg
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.   NA's
  69.0  371.8   895.5   851.9 1156.8  2112.0   76
```

```
patient.new_tumor_events.new_tumor_event.days_to_new_tumor_event_after_initial_t
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.   NA's
  11.0  108.8   213.5   393.3  516.8  2099.0   50
```

```
patient.new_tumor_events.new_tumor_event.histologic_disease_progression_present_
  no  yes NA's
   7  10  75
```

```
patient.new_tumor_events.new_tumor_event.new_neoplasm_confirmed_diagnosis_method
  imaging pathology    NA's
    36             6     50
```

```
patient.new_tumor_events.new_tumor_event.new_neoplasm_event_type:
  distant metastasis locoregional recurrence    new primary tumor
                30                11                1
                NA's
                50
```

```
patient.new_tumor_events.new_tumor_event.new_neoplasm_occurrence_anatomic_site_t
  abdomen          ovarian          pancreas vena cava thrombus
    1              1              1              1
  NA's
    88
```

```
patient.new_tumor_events.new_tumor_event.new_tumor_event_additional_surgery_pro
  no  yes NA's
  25  16  51
```

```
patient.new_tumor_events.new_tumor_event_after_initial_treatment:
  no  yes NA's
  43  42   7
```

```
patient.person_neoplasm_cancer_status:
  tumor free with tumor    NA's
    46             44     2
```

```
patient.post_surgical_procedure_assessment_thyroid_gland_carcinoma_status:
  biochemical evidence of disease  no imaging evidence of disease
                1                63
  persistent distant metastases  persistent locoregional disease
                17                2
                NA's
                9
```

```
patient.postoperative_rx_tx:
```

no	yes	NA's
33	55	4

patient.primary_pathology.age_at_initial_pathologic_diagnosis:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.
14.00	35.50	48.50	47.16	60.00	83.00

patient.primary_pathology.ct_scan:

yes	NA's
84	8

patient.primary_pathology.days_to_initial_pathologic_diagnosis:

0
92

patient.primary_pathology.excess_adrenal_hormone_history_types.excess_adrenal_ho
 biochemical assessment

12

both clinical and biochemical assessments

41

NA's

39

patient.primary_pathology.excess_adrenal_hormone_history_types.excess_adrenal_ho

cortisol	estrogen	mineralocorticoids	NA's
21	2	1	68

patient.primary_pathology.germline_genotype_testing_report.germline_genotype_tes

ret negative	NA's
1	91

patient.primary_pathology.germline_genotype_testing_report.molecular_analysis_pe

no	yes	NA's
66	15	11

patient.primary_pathology.histological_type:

adrenocortical carcinoma- myxoid type

1

adrenocortical carcinoma- oncocytic type

4

adrenocortical carcinoma- usual type

87

patient.primary_pathology.laterality:

left	right
52	40

patient.primary_pathology.lymph_node_examined_count:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1.00	1.00	3.00	8.25	10.00	52.00	60

```

patient.primary_pathology.metastatic_neoplasm_confirmed_diagnosis_method_names.m
  biopsy proven imaging suspected      other, specify      NA's
          5              7              5              75

```

```

patient.primary_pathology.metastatic_neoplasm_confirmed_diagnosis_method_names.m
imaging suspected                      NA's
          2                          90

```

```

patient.primary_pathology.metastatic_neoplasm_confirmed_diagnosis_method_names.m
excision of brain met                  operation              resection
          1                          1                      1
  surgical resection                    NA's
          1                          88

```

```

patient.primary_pathology.metastatic_neoplasm_initial_diagnosis_anatomic_sites.m
  bone      liver      lung other, specify      NA's
          2          7          9          2          72

```

```

patient.primary_pathology.metastatic_neoplasm_initial_diagnosis_anatomic_sites.m
  liver      lung other, specify      NA's
          2          1          2          87

```

```

patient.primary_pathology.metastatic_neoplasm_initial_diagnosis_anatomic_sites.m
other, specify      peritoneum      NA's
          1          1          90

```

```

patient.primary_pathology.mitoses_count:
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.    NA's
  0.00   4.00   7.00  19.03  18.00  129.00   31

```

```

patient.primary_pathology.number_of_lymphnodes_positive_by_he:
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.    NA's
  0.000  0.000  0.000  2.548  0.500  52.000   61

```

```

patient.primary_pathology.primary_lymph_node_presentation_assessment:
  no  yes NA's
  40  35  17

```

```

patient.primary_pathology.residual_tumor:
  r0  r1  r2  rx NA's
  64  7  12  6  3

```

```

patient.primary_pathology.tumor_tissue_site:
adrenal
  92

```

```

patient.primary_pathology.weiss_assessment_report.weiss_assessment_categories.at
  atypical mitotic figures absent atypical mitotic figures present
                                35                                33
                                NA's

```

24

patient.primary_pathology.weiss_assessment_report.weiss_assessment_categories.cytoplasm presence <= 25

12	57
NA's	
23	

patient.primary_pathology.weiss_assessment_report.weiss_assessment_categories.diffuse architecture absent diffuse architecture present

20	50
NA's	
22	

patient.primary_pathology.weiss_assessment_report.weiss_assessment_categories.invasion of tumor capsule absent invasion of tumor capsule present

35	48
NA's	
9	

patient.primary_pathology.weiss_assessment_report.weiss_assessment_categories.mitotic rate > 5/50 hpf absent mitotic rate > 5/50 hpf present

32	48
NA's	
12	

patient.primary_pathology.weiss_assessment_report.weiss_assessment_categories.necrosis absent necrosis present

20	67	NA's
		5

patient.primary_pathology.weiss_assessment_report.weiss_assessment_categories.nuclear grade iii or iv absent nuclear grade iii or iv present

15	56
NA's	
21	

patient.primary_pathology.weiss_assessment_report.weiss_assessment_categories.sinusoid invasion absent sinusoid invasion present

39	29	NA's
		24

patient.primary_pathology.weiss_assessment_report.weiss_assessment_categories.venous invasion absent venous invasion present

43	36	NA's
		13

patient.primary_pathology.weiss_assessment_report.weiss_score:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
2.000	4.000	6.000	5.543	7.000	9.000	22

patient.primary_pathology.year_of_initial_pathologic_diagnosis:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.
1997	2005	2008	2007	2011	2012

```

patient.primary_therapy_outcome_success:
complete remission/response      progressive disease
                                42                    20
                                stable disease        NA's
                                1                    29

```

```

patient.prior_dx:
no yes
86  6

```

```

patient.race:
                                asian black or african american      white
                                2                                1                                78
                                NA's
                                11

```

```

patient.radiation_therapy:
no  yes NA's
70  17  5

```

```

patient.radiations.radiation.10.anatomic_treatment_site:
distant recurrence      NA's
1                        91

```

```

patient.radiations.radiation.10.bcr_radiation_barcode:
tcga-pk-a5hb-r50633      NA's
1                          91

```

```

patient.radiations.radiation.10.bcr_radiation_uuid:
0d175898-2cda-4d50-b5b7-5f0ded9f0ee7      NA's
1                                             91

```

```

patient.radiations.radiation.10.day_of_form_completion:
29 NA's
1  91

```

```

patient.radiations.radiation.10.days_to_radiation_therapy_end:
1192 NA's
1  91

```

```

patient.radiations.radiation.10.days_to_radiation_therapy_start:
1172 NA's
1  91

```

```

patient.radiations.radiation.10.month_of_form_completion:
10 NA's
1  91

```

```

patient.radiations.radiation.10.numfractions:
15 NA's
1  91

```

```

patient.radiations.radiation.10.radiation_dosage:
  40 NA's
  1 91

patient.radiations.radiation.10.radiation_treatment_ongoing:
  no NA's
  1 91

patient.radiations.radiation.10.radiation_type:
external      NA's
  1          91

patient.radiations.radiation.10.units:
  gy NA's
  1 91

patient.radiations.radiation.10.year_of_form_completion:
2013 NA's
  1 91

patient.radiations.radiation.2.anatomic_treatment_site:
distant site regional site      NA's
  1             5             86

patient.radiations.radiation.2.day_of_form_completion:
  6 9 10 30 NA's
  1 2 2 1 86

patient.radiations.radiation.2.days_to_radiation_therapy_end:
  Min. 1st Qu.  Median    Mean 3rd Qu.  Max.  NA's
  70.00  76.25  85.50 253.17  90.25 1113.00  86

patient.radiations.radiation.2.days_to_radiation_therapy_start:
  Min. 1st Qu.  Median    Mean 3rd Qu.  Max.  NA's
  36.00  41.25  48.50 223.00  52.00 1113.00  86

patient.radiations.radiation.2.measure_of_response:
      partial response radiographic progressive disease
              1
              NA's
              90

patient.radiations.radiation.2.month_of_form_completion:
  2 9 NA's
  1 5 86

patient.radiations.radiation.2.numfractions:
  1 25 NA's
  1 2 89

```

patient.radiations.radiation.2.radiation_dosage:

10 42.8 43.2 45 NA's
1 1 1 3 86

patient.radiations.radiation.2.radiation_treatment_ongoing:

no NA's
6 86

patient.radiations.radiation.2.radiation_type:

external NA's
6 86

patient.radiations.radiation.2.units:

gy NA's
6 86

patient.radiations.radiation.2.year_of_form_completion:

2013 2014 NA's
5 1 86

patient.radiations.radiation.3.anatomic_treatment_site:

distant site NA's
1 91

patient.radiations.radiation.3.bcr_radiation_barcode:

tcga-pk-a5hb-r48535 NA's
1 91

patient.radiations.radiation.3.bcr_radiation_uuid:

b05f7ed0-99b4-4c26-b0ac-75e1c16afd8a NA's
1 91

patient.radiations.radiation.3.day_of_form_completion:

29 NA's
1 91

patient.radiations.radiation.3.days_to_radiation_therapy_end:

1072 NA's
1 91

patient.radiations.radiation.3.days_to_radiation_therapy_start:

1058 NA's
1 91

patient.radiations.radiation.3.measure_of_response:

partial response NA's
1 91

patient.radiations.radiation.3.month_of_form_completion:

10 NA's
1 91


```

patient.radiations.radiation.3.numfractions:
  10 NA's
   1  91

patient.radiations.radiation.3.radiation_dosage:
  30 NA's
   1  91

patient.radiations.radiation.3.radiation_treatment_ongoing:
  no NA's
   1  91

patient.radiations.radiation.3.radiation_type:
external      NA's
   1          91

patient.radiations.radiation.3.units:
  gy NA's
   1  91

patient.radiations.radiation.3.year_of_form_completion:
  2013 NA's
   1  91

patient.radiations.radiation.4.anatomic_treatment_site:
distant site      NA's
   1              91

patient.radiations.radiation.4.bcr_radiation_barcode:
tcga-pk-a5hb-r50639      NA's
   1                      91

patient.radiations.radiation.4.bcr_radiation_uuid:
90d87c53-17f4-4749-b39c-3b25cb8c7206      NA's
   1                                         91

patient.radiations.radiation.4.day_of_form_completion:
  29 NA's
   1  91

patient.radiations.radiation.4.days_to_radiation_therapy_end:
  1303 NA's
   1  91

patient.radiations.radiation.4.days_to_radiation_therapy_start:
  1289 NA's
   1  91

patient.radiations.radiation.4.month_of_form_completion:
  10 NA's
   1  91

```

patient.radiations.radiation.4.numfractions:

10 NA's
1 91

patient.radiations.radiation.4.radiation_dosage:

30 NA's
1 91

patient.radiations.radiation.4.radiation_treatment_ongoing:

no NA's
1 91

patient.radiations.radiation.4.radiation_type:

external NA's
1 91

patient.radiations.radiation.4.units:

gy NA's
1 91

patient.radiations.radiation.4.year_of_form_completion:

2013 NA's
1 91

patient.radiations.radiation.5.anatomic_treatment_site:

distant site NA's
1 91

patient.radiations.radiation.5.bcr_radiation_barcode:

tcga-pk-a5hb-r50638 NA's
1 91

patient.radiations.radiation.5.bcr_radiation_uuid:

4282fef7-b0be-4d96-8d81-c3279ad4dfa5 NA's
1 91

patient.radiations.radiation.5.day_of_form_completion:

29 NA's
1 91

patient.radiations.radiation.5.days_to_radiation_therapy_end:

1303 NA's
1 91

patient.radiations.radiation.5.days_to_radiation_therapy_start:

1289 NA's
1 91

patient.radiations.radiation.5.month_of_form_completion:

10 NA's
1 91

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patient.radiations.radiation.5.numfractions:
  10 NA's
   1  91

patient.radiations.radiation.5.radiation_dosage:
  30 NA's
   1  91

patient.radiations.radiation.5.radiation_treatment_ongoing:
  no NA's
   1  91

patient.radiations.radiation.5.radiation_type:
external      NA's
   1          91

patient.radiations.radiation.5.units:
  gy NA's
   1  91

patient.radiations.radiation.5.year_of_form_completion:
  2013 NA's
   1  91

patient.radiations.radiation.6.anatomic_treatment_site:
distant recurrence      NA's
   1                    91

patient.radiations.radiation.6.bcr_radiation_barcode:
tcga-pk-a5hb-r50637      NA's
   1                    91

patient.radiations.radiation.6.bcr_radiation_uuid:
a509fba2-7e82-43f2-b257-a4b28487bc7a      NA's
   1                                        91

patient.radiations.radiation.6.day_of_form_completion:
  29 NA's
   1  91

patient.radiations.radiation.6.days_to_radiation_therapy_end:
  1303 NA's
   1  91

patient.radiations.radiation.6.days_to_radiation_therapy_start:
  1289 NA's
   1  91

patient.radiations.radiation.6.month_of_form_completion:
  10 NA's
   1  91

```

patient.radiations.radiation.6.numfractions:

10 NA's
1 91

patient.radiations.radiation.6.radiation_dosage:

30 NA's
1 91

patient.radiations.radiation.6.radiation_treatment_ongoing:

no NA's
1 91

patient.radiations.radiation.6.radiation_type:

external NA's
1 91

patient.radiations.radiation.6.units:

gy NA's
1 91

patient.radiations.radiation.6.year_of_form_completion:

2013 NA's
1 91

patient.radiations.radiation.7.anatomic_treatment_site:

distant site NA's
1 91

patient.radiations.radiation.7.bcr_radiation_barcode:

tcga-pk-a5hb-r50636 NA's
1 91

patient.radiations.radiation.7.bcr_radiation_uuid:

6f22f0ba-2a6d-493c-9233-2a364c42d265 NA's
1 91

patient.radiations.radiation.7.day_of_form_completion:

29 NA's
1 91

patient.radiations.radiation.7.days_to_radiation_therapy_end:

1303 NA's
1 91

patient.radiations.radiation.7.days_to_radiation_therapy_start:

1289 NA's
1 91

patient.radiations.radiation.7.month_of_form_completion:

10 NA's
1 91

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patient.radiations.radiation.7.numfractions:
  10 NA's
   1  91

patient.radiations.radiation.7.radiation_dosage:
  30 NA's
   1  91

patient.radiations.radiation.7.radiation_treatment_ongoing:
  no NA's
   1  91

patient.radiations.radiation.7.radiation_type:
external      NA's
   1          91

patient.radiations.radiation.7.units:
  gy NA's
   1  91

patient.radiations.radiation.7.year_of_form_completion:
  2013 NA's
   1  91

patient.radiations.radiation.8.anatomic_treatment_site:
distant site      NA's
   1              91

patient.radiations.radiation.8.bcr_radiation_barcode:
tcga-pk-a5hb-r50635      NA's
   1                      91

patient.radiations.radiation.8.bcr_radiation_uuid:
5092687f-5e4e-4fb4-add7-91d628e80c86      NA's
   1                                         91

patient.radiations.radiation.8.day_of_form_completion:
  29 NA's
   1  91

patient.radiations.radiation.8.days_to_radiation_therapy_end:
  1246 NA's
   1  91

patient.radiations.radiation.8.days_to_radiation_therapy_start:
  1233 NA's
   1  91

patient.radiations.radiation.8.month_of_form_completion:
  10 NA's
   1  91

```

patient.radiations.radiation.8.numfractions:

10 NA's
1 91

patient.radiations.radiation.8.radiation_dosage:

30 NA's
1 91

patient.radiations.radiation.8.radiation_treatment_ongoing:

no NA's
1 91

patient.radiations.radiation.8.radiation_type:

external NA's
1 91

patient.radiations.radiation.8.units:

gy NA's
1 91

patient.radiations.radiation.8.year_of_form_completion:

2013 NA's
1 91

patient.radiations.radiation.9.anatomic_treatment_site:

distant site NA's
1 91

patient.radiations.radiation.9.bcr_radiation_barcode:

tcga-pk-a5hb-r50634 NA's
1 91

patient.radiations.radiation.9.bcr_radiation_uuid:

f71faf4a-6b2f-4213-bc66-494650bf7d67 NA's
1 91

patient.radiations.radiation.9.day_of_form_completion:

29 NA's
1 91

patient.radiations.radiation.9.days_to_radiation_therapy_end:

1246 NA's
1 91

patient.radiations.radiation.9.days_to_radiation_therapy_start:

1233 NA's
1 91

patient.radiations.radiation.9.month_of_form_completion:

10 NA's
1 91

patient.radiations.radiation.9.numfractions:

10 NA's
1 91

patient.radiations.radiation.9.radiation_dosage:

30 NA's
1 91

patient.radiations.radiation.9.radiation_treatment_ongoing:

no NA's
1 91

patient.radiations.radiation.9.radiation_type:

external NA's
1 91

patient.radiations.radiation.9.units:

gy NA's
1 91

patient.radiations.radiation.9.year_of_form_completion:

2013 NA's
1 91

patient.radiations.radiation.anatomic_treatment_site:

distant recurrence	distant site	primary tumor	field	
	1	1	12	

NA's
78

patient.radiations.radiation.day_of_form_completion:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
3.00	8.25	10.00	11.38	11.00	30.00	76

patient.radiations.radiation.days_to_radiation_therapy_end:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
70.0	84.5	95.0	187.1	117.8	1099.0	76

patient.radiations.radiation.days_to_radiation_therapy_start:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
16.00	39.00	50.50	146.00	85.25	1099.00	76

patient.radiations.radiation.measure_of_response:

complete response	radiographic	progressive disease	
	2		4
stable disease			NA's
	2		84

patient.radiations.radiation.month_of_form_completion:

2	9	10	12	NA's
1	11	3	1	76

patient.radiations.radiation.numfractions:

1	4	25	28	NA's
1	1	3	1	86

patient.radiations.radiation.radiation_dosage:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
8.0	49.8	52.8	417.7	55.0	4500.0	80

patient.radiations.radiation.radiation_treatment_ongoing:

no	NA's
16	76

patient.radiations.radiation.radiation_type:

external	internal	NA's
14	1	77

patient.radiations.radiation.units:

cgy	gy	NA's
1	11	80

patient.radiations.radiation.year_of_form_completion:

2013	2014	NA's
14	2	76

patient.stage_event.pathologic_stage:

stage i	stage ii	stage iii	stage iv	NA's
9	44	19	18	2

patient.stage_event.tnm_categories.clinical_categories.clinical_m:

m0	m1	NA's
72	18	2

patient.stage_event.tnm_categories.pathologic_categories.pathologic_n:

n0	n1	NA's
80	10	2

patient.stage_event.tnm_categories.pathologic_categories.pathologic_t:

t1	t2	t3	t4	NA's
9	49	11	21	2

patient.therapeutic_mitotane_levels_achieved:

no	yes	NA's
8	22	62

patient.therapeutic_mitotane_lvl_macroscopic_residual:

no	yes	NA's
2	4	86

patient.therapeutic_mitotane_lvl_progression:

no	yes	NA's
1	3	88

patient.therapeutic_mitotane_lvl_recurrence:

no	yes	NA's
16	4	72

patient.tissue_prospective_collection_indicator:

no	yes
89	3

patient.tissue_retrospective_collection_indicator:

no	yes
3	89

patient.tissue_source_site:

or	ou	p6	pa	pk
82	1	3	1	5

patient.vital_status:

alive	dead
61	31

patient.year_of_form_completion:

2013	2014
75	17

patient.bcr_canonical_check.bcr_patient_canonical_reasons.bcr_canonical_reason:

extension	set	NA's
	12	80

patient.bcr_canonical_check.bcr_patient_canonical_status:

canonical	non-canonical
80	12

patient.biospecimen_cqcf.consent_or_death_status:

consented	deceased	waiver
75	6	11

patient.biospecimen_cqcf.days_to_pathology_review:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.
10.0	615.2	1427.5	1809.4	2596.5	5550.0

patient.biospecimen_cqcf.days_to_sample_procurement:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.
-16.000	-1.250	0.000	2.739	0.000	168.000

patient.biospecimen_cqcf.ethnicity:

hispanic	or latino	not hispanic	or latino	NA's
		8	39	45

patient.biospecimen_cqcf.histological_type:

adrenocortical	carcinoma-	myxoid type
		1

adrenocortical carcinoma- oncocytic type

4

adrenocortical carcinoma- usual type

87

patient.biospecimen_cqcf.history_of_neoadjuvant_treatment:

no

91

yes, pharmaceutical treatment prior to resection

1

patient.biospecimen_cqcf.laterality:

left right

52 40

patient.biospecimen_cqcf.maximum_tumor_dimension:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
2.20	7.35	9.80	10.35	13.25	20.00	1

patient.biospecimen_cqcf.method_of_sample_procurement:

surgical resection

92

patient.biospecimen_cqcf.normal_controls.normal_control.2.days_to_normal_sample:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
-6.0	436.5	620.0	754.4	824.0	2146.0	85

patient.biospecimen_cqcf.normal_controls.normal_control.2.extracted_dna.ncedna_d

0.0753 0.1134 0.174 NA's

1 1 1 89

patient.biospecimen_cqcf.normal_controls.normal_control.2.extracted_dna.ncedna_d

nanodrop NA's

3 89

patient.biospecimen_cqcf.normal_controls.normal_control.2.extracted_dna.ncedna_d

16 NA's

3 89

patient.biospecimen_cqcf.normal_controls.normal_control.2.extracted_dna.ncedna_d

92 142 213 NA's

1 1 1 89

patient.biospecimen_cqcf.normal_controls.normal_control.2.method_of_normal_sampl

blood draw NA's

7 85

patient.biospecimen_cqcf.normal_controls.normal_control.2.vial_number:

1 NA's

7 85

```

patient.biospecimen_cqcf.normal_controls.normal_control.days_to_normal_sample_pr
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.   NA's
-1776.0   -3.0    0.0   161.4   35.5  2335.0    2

patient.biospecimen_cqcf.normal_controls.normal_control.extracted_dna.ncedna_dna
  Min.  1st Qu.  Median    Mean  3rd Qu.    Max.    NA's
 0.0594   0.1127   0.2026   68.8023   0.3180 2467.0000   56

patient.biospecimen_cqcf.normal_controls.normal_control.extracted_dna.ncedna_dna
      cdrop          nanodrop spectrophotometry          NA's
           1                27                   8                56

patient.biospecimen_cqcf.normal_controls.normal_control.extracted_dna.ncedna_dna
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.   NA's
 15.00  15.00  16.00  18.28  19.25  50.00   56

patient.biospecimen_cqcf.normal_controls.normal_control.extracted_dna.ncedna_dna
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.   NA's
 18.60  53.25  92.00 102.83 156.55 256.00   56

patient.biospecimen_cqcf.normal_controls.normal_control.method_of_normal_sample_
      blood draw surgical resection          NA's
           87                3                2

patient.biospecimen_cqcf.normal_controls.normal_control.normal_tissue.normal_tis
kidney  other  NA's
      3      1    88

patient.biospecimen_cqcf.normal_controls.normal_control.normal_tissue.normal_tis
distal (>2cm)          NA's
           4            88

patient.biospecimen_cqcf.normal_controls.normal_control.vial_number:
  1
 92

patient.biospecimen_cqcf.path_confirm_diagnosis_matching:
  no yes
  1  91

patient.biospecimen_cqcf.path_confirm_report_attached:
  yes
  92

patient.biospecimen_cqcf.path_confirm_tumor_necrosis_metrics:
  no yes
  1  91

patient.biospecimen_cqcf.path_confirm_tumor_nuclei_metrics:
  yes
  92

```

```

patient.biospecimen_cqcf.race:
    asian black or african american           white
        1                                 1           78
    NA's
    12

patient.biospecimen_cqcf.sample_prescreened:
yes
 92

patient.biospecimen_cqcf.site_of_disease:
adrenal gland
 92

patient.biospecimen_cqcf.tumor_samples.tumor_sample.tumor_necrosis_percent:
  Min. 1st Qu.  Median    Mean 3rd Qu.  Max.
 0.000  0.000  0.000  4.728 10.000  60.000

patient.biospecimen_cqcf.tumor_samples.tumor_sample.tumor_nuclei_percent:
  Min. 1st Qu.  Median    Mean 3rd Qu.  Max.
 60.0   80.0   80.0   83.2   90.0  100.0

patient.biospecimen_cqcf.tumor_samples.tumor_sample.tumor_weight:
  Min. 1st Qu.  Median    Mean 3rd Qu.  Max.
 12.00  93.75 136.00 160.67 200.00 828.00

patient.biospecimen_cqcf.tumor_samples.tumor_sample.vial_number:
 1
 92

patient.biospecimen_cqcf.vessel_used:
cassette cryomold cryovial
    65         1         26

patient.days_to_index:
 0
 92

patient.samples.sample.2.days_to_collection:
  Min. 1st Qu.  Median    Mean 3rd Qu.  Max.
 34.0   718.5 1541.5 1890.3 2689.5 5587.0

patient.samples.sample.2.initial_weight:
 50 140 NA's
  2  2  88

patient.samples.sample.2.is_ffpe:
no

```

92

```
patient.samples.sample.2.oct_embedded:  
false true  
91 1
```

```
patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.bi  
Min. 1st Qu. Median Mean 3rd Qu. Max.  
153884479 153887364 153887388 153887537 153887411 153889238
```

```
patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.ce  
10  
92
```

```
patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.co  
0.5  
92
```

```
patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.da  
24  
92
```

```
patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.is  
no  
92
```

```
patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.mo  
7  
92
```

```
patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.pl  
Min. 1st Qu. Median Mean 3rd Qu. Max.  
1.000 3.000 5.000 5.859 9.000 12.000
```

```
patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.pl  
a31a a31e  
80 12
```

```
patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.qu  
40  
92
```

```
patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.so  
23  
92
```

```
patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.vo  
80  
92
```

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.ye
2013
92

patient.samples.sample.2.portions.portion.analytes.analyte.2.analyte_type:
repli-g (qiagen) dna
92

patient.samples.sample.2.portions.portion.analytes.analyte.2.analyte_type_id:
w
92

patient.samples.sample.2.portions.portion.analytes.analyte.2.dna.normal_tumor_ge
yes
92

patient.samples.sample.2.portions.portion.analytes.analyte.2.dna.pcr_amplificati
yes
92

patient.samples.sample.2.portions.portion.analytes.analyte.2.gel_image_file:
<https://sharedoc.nchri.org/tcga-bcr/default.aspx>
92

patient.samples.sample.2.portions.portion.analytes.analyte.2.is_derived_from_ffp
no
92

patient.samples.sample.2.portions.portion.analytes.analyte.2.protocols.protocol.
repli-g
92

patient.samples.sample.2.portions.portion.analytes.analyte.2.subportion_sequence
1 NA's
4 88

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.2.bi
Min. 1st Qu. Median Mean 3rd Qu. Max.
132266233 145634419 145634444 143890887 145634469 145634494

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.2.ce
10
92

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.2.co
0.07 0.08 0.09
33 53 6

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.2.da
 8 12
 80 12

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.2.is
 no
 92

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.2.mo
 5 6
 80 12

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.2.pl
 Min. 1st Qu. Median Mean 3rd Qu. Max.
 1.000 3.000 5.000 5.859 9.000 12.000

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.2.pl
 a291 a30a
 80 12

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.2.qu
 2.8 3.2 3.6
 33 53 6

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.2.so
 23
 92

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.2.vo
 40
 92

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.2.ye
 2013
 92

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.bios
 Min. 1st Qu. Median Mean 3rd Qu. Max.
 132266234 145630007 145630032 143887091 145630055 145630078

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.cent
 1
 92

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.conc
 0.14 0.15 0.16 0.17
 19 30 26 17

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.day_8 12
80 12

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.is_dno
92

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.month 5 6
80 12

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.platform
Min. 1st Qu. Median Mean 3rd Qu. Max.
1.000 3.000 5.000 5.859 9.000 12.000

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.platform a29k a309
80 12

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.quantity
0.94 1.01 1.07 1.14
19 30 26 17

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.source 23
92

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.volume 6.7
92

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.year 2013
92

patient.samples.sample.2.portions.portion.analytes.analyte.amount:
Min. 1st Qu. Median Mean 3rd Qu. Max.
4.940 9.912 14.960 20.091 21.970 86.130

patient.samples.sample.2.portions.portion.analytes.analyte.analyte_type: dna
92

patient.samples.sample.2.portions.portion.analytes.analyte.analyte_type_id: d
92

patient.samples.sample.2.portions.portion.analytes.analyte.concentration:

0.14 0.15 0.16 0.17
 19 30 26 17

patient.samples.sample.2.portions.portion.analytes.analyte.dna.normal_tumor_gene
 yes
 92

patient.samples.sample.2.portions.portion.analytes.analyte.dna.pcr_amplification
 yes
 92

patient.samples.sample.2.portions.portion.analytes.analyte.gel_image_file:
<https://sharedoc.nchri.org/tcga-bcr/default.aspx>
 92

patient.samples.sample.2.portions.portion.analytes.analyte.is_derived_from_ffpe:
 no
 92

patient.samples.sample.2.portions.portion.analytes.analyte.protocols.protocol.extra
 adna preparation type pre-extracted dna received by tss
 56 36

patient.samples.sample.2.portions.portion.analytes.analyte.spectrophotometer_method
 picogreen
 92

patient.samples.sample.2.portions.portion.analytes.analyte.subportion_sequence:
 1 NA's
 4 88

patient.samples.sample.2.portions.portion.day_of_creation:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.
6.0	12.0	17.0	18.7	22.0	28.0

patient.samples.sample.2.portions.portion.is_ffpe:
 no
 92

patient.samples.sample.2.portions.portion.month_of_creation:

1	2	3	4
33	48	1	10

patient.samples.sample.2.portions.portion.portion_number:

1	11
88	4

patient.samples.sample.2.portions.portion.portion_sequence:
 1
 92

```

patient.samples.sample.2.portions.portion.slides.slide.bcr_slide_barcode:
tcga-or-a5k9-11a-01-ts1 tcga-or-a5kb-11a-01-tsa tcga-pk-a5hb-11a-01-ts1
                        1                        1                        1
tcga-pk-a5hc-11a-01-ts1                        NA's
                        1                        88

```

```

patient.samples.sample.2.portions.portion.slides.slide.bcr_slide_uuid:
1a2443ec-274d-4dbb-bd6b-4d7e1b4c6f47 4200b785-70dc-46e5-9bed-69915138685d
                        1                        1
d6ae8fbc-2b4b-4140-9e8e-6e0b1fa63439 e5691cf0-c485-4c84-9170-fafd25929621
                        1                        1
                        NA's
                        88

```

```

patient.samples.sample.2.portions.portion.slides.slide.image_file_name:
tcga-or-a5k9-11a-01-ts1.d6ae8fbc-2b4b-4140-9e8e-6e0b1fa63439.svs
                                                                1
tcga-or-a5kb-11a-01-tsa.4200b785-70dc-46e5-9bed-69915138685d.svs
                                                                1
tcga-pk-a5hb-11a-01-ts1.1a2443ec-274d-4dbb-bd6b-4d7e1b4c6f47.svs
                                                                1
tcga-pk-a5hc-11a-01-ts1.e5691cf0-c485-4c84-9170-fafd25929621.svs
                                                                1
                                                                NA's
                                                                88

```

```

patient.samples.sample.2.portions.portion.slides.slide.is_derived_from_ffpe:
no NA's
4 88

```

```

patient.samples.sample.2.portions.portion.slides.slide.percent_lymphocyte_infiltrate:
0 1 NA's
2 2 88

```

```

patient.samples.sample.2.portions.portion.slides.slide.percent_monocyte_infiltrate:
0 NA's
4 88

```

```

patient.samples.sample.2.portions.portion.slides.slide.percent_necrosis:
0 NA's
4 88

```

```

patient.samples.sample.2.portions.portion.slides.slide.percent_neutrophil_infiltrate:
0 NA's
4 88

```

```

patient.samples.sample.2.portions.portion.slides.slide.percent_normal_cells:
100 NA's
4 88

```

```

patient.samples.sample.2.portions.portion.slides.slide.percent_stromal_cells:

```

```

0 NA's
4 88

patient.samples.sample.2.portions.portion.slides.slide.percent_tumor_cells:
0 NA's
4 88

patient.samples.sample.2.portions.portion.slides.slide.percent_tumor_nuclei:
0 NA's
4 88

patient.samples.sample.2.portions.portion.slides.slide.section_location:
top NA's
4 88

patient.samples.sample.2.portions.portion.weight:
1.1 1.3 2 30 NA's
1 1 50 4 36

patient.samples.sample.2.portions.portion.year_of_creation:
2013
92

patient.samples.sample.2.sample_type:
blood derived normal solid tissue normal
87 5

patient.samples.sample.2.sample_type_id:
10 11
87 5

patient.samples.sample.2.vial_number:
a b c
85 6 1

patient.samples.sample.days_to_collection:
Min. 1st Qu. Median Mean 3rd Qu. Max.
34.0 688.5 1541.5 1878.9 2660.2 5587.0

patient.samples.sample.diagnostic_slides.ffpe_slide_uuid.6:
bbada09f-0a15-466b-b0ea-1266e799746f NA's
1 91

patient.samples.sample.initial_weight:
Min. 1st Qu. Median Mean 3rd Qu. Max.

```

10.0 60.0 115.0 122.4 160.0 590.0

patient.samples.sample.is_ffpe:

no

92

patient.samples.sample.oct_embedded:

false true

26 66

patient.samples.sample.portions.portion.analytes.analyte.2.a260_a280_ratio:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1.780	1.830	1.855	1.858	1.890	2.000	12

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.2.bi

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
132270079	132270556	132270580	132270658	132270604	132271717	12

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.2.ce

13 NA's
80 12

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.2.co

0.15 0.16 0.17 0.18 NA's
1 28 38 13 12

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.2.da

8 NA's
80 12

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.2.is

no NA's
80 12

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.2.mo

5 NA's
80 12

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.2.pl

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1.0	3.0	5.5	5.5	8.0	10.0	12

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.2.pl

a29w NA's
80 12

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.2.qu

3 3.2 3.4 3.6 NA's
1 28 38 13 12

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.2.so
23 NA's
80 12

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.2.vo
20 NA's
80 12

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.2.ye
2013 NA's
80 12

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.3.bo
tcga-or-a5j4-01a-11r-a466-07 NA's
1 91

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.3.bo
2f5ad134-04cc-460a-a515-29f982d03ff7 NA's
1 91

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.3.bi
167812971 NA's
1 91

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.3.ce
7 NA's
1 91

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.3.co
0.17 NA's
1 91

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.3.da
9 NA's
1 91

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.3.is
no NA's
1 91

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.3.mo
12 NA's
1 91

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.3.pl
4 NA's
1 91

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.3.pl

a466 NA's
1 91

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.3.pl
b NA's
1 91

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.3.qu
1.12 NA's
1 91

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.3.so
23 NA's
1 91

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.3.vo
6.6 NA's
1 91

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.3.ye
2014 NA's
1 91

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.bios
Min. 1st Qu. Median Mean 3rd Qu. Max.
145631380 145632215 145632242 146709142 145632270 153889237

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.cent
7 10
80 12

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.conc
0.15 0.16 0.17 0.18 0.5
1 28 38 13 12

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.day_
8 24
80 12

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.is_d
no
92

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.mont
5 7
80 12

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.plat
Min. 1st Qu. Median Mean 3rd Qu. Max.
1.000 2.000 5.000 4.967 8.000 10.000

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.plat
a29s a31e
80 12

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.quan
1.95 2.08 2.21 2.34 40
1 28 38 13 12

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.sour
23
92

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.vol
13 80
80 12

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.year
2013
92

patient.samples.sample.portions.portion.analytes.analyte.2.amount:
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
15.42 37.10 44.71 45.26 50.53 89.15 12

patient.samples.sample.portions.portion.analytes.analyte.2.analyte_type:
repli-g (qiagen) dna rna
12 80

patient.samples.sample.portions.portion.analytes.analyte.2.analyte_type_id:
r w
80 12

patient.samples.sample.portions.portion.analytes.analyte.2.concentration:
0.15 0.16 0.17 0.18 NA's
1 28 38 13 12

patient.samples.sample.portions.portion.analytes.analyte.2.dna.normal_tumor_gene
yes NA's
12 80

patient.samples.sample.portions.portion.analytes.analyte.2.dna.pcr_amplification
yes NA's
12 80

patient.samples.sample.portions.portion.analytes.analyte.2.gel_image_file:
<https://sharedoc.nchri.org/tcga-bcr/default.aspx>
92

```

patient.samples.sample.portions.portion.analytes.analyte.2.is_derived_from_ffpe:
no
92

```

```

patient.samples.sample.portions.portion.analytes.analyte.2.protocols.protocol.ex
mirvana (allprep dna) rna repli-g
80 12

```

```

patient.samples.sample.portions.portion.analytes.analyte.2.rna.ratio_28s_18s:
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.   NA's
0.720  1.240   1.430   1.444  1.673   2.050   12

```

```

patient.samples.sample.portions.portion.analytes.analyte.2.rna.rinvalue:
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.   NA's
7.000  8.000   8.500   8.482  9.000   9.500   12

```

```

patient.samples.sample.portions.portion.analytes.analyte.2.spectrophotometer_met
uv spec    NA's
80        12

```

```

patient.samples.sample.portions.portion.analytes.analyte.2.subportion_sequence:
 1  2
90  2

```

```

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.bios
  Min.  1st Qu.  Median    Mean  3rd Qu.    Max.    NA's
153888013 153888033 153888054 153888054 153888075 153888095    12

```

```

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.cent
 10 NA's
80    12

```

```

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.conc
 0.5 NA's
80    12

```

```

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.day_
 24 NA's
80    12

```

```

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.is_d
no NA's
80    12

```

```

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.mont
 7 NA's
80    12

```

```

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.plat
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.   NA's

```


1.000 3.000 6.000 6.225 9.000 12.000 12

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.plat
a319 NA's

80 12

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.quant

40 NA's

80 12

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.sour

23 NA's

80 12

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.vol

80 NA's

80 12

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.year

2013 NA's

80 12

patient.samples.sample.portions.portion.analytes.analyte.3.analyte_type:

repli-g (qiagen) dna NA's

80

12

patient.samples.sample.portions.portion.analytes.analyte.3.analyte_type_id:

w NA's

80 12

patient.samples.sample.portions.portion.analytes.analyte.3.dna.normal_tumor_gen

yes NA's

80 12

patient.samples.sample.portions.portion.analytes.analyte.3.dna.pcr_amplification

yes NA's

80 12

patient.samples.sample.portions.portion.analytes.analyte.3.gel_image_file:

<https://sharedoc.nchri.org/tcga-bcr/default.aspx>

80

NA's

12

patient.samples.sample.portions.portion.analytes.analyte.3.is_derived_from_ffpe:

no NA's

80 12

patient.samples.sample.portions.portion.analytes.analyte.3.protocols.protocol.ex

```
repli-g      NA's
      80      12
```

```
patient.samples.sample.portions.portion.analytes.analyte.3.subportion_sequence:
      1      2 NA's
      78     2    12
```

```
patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.2.bios
      Min.  1st Qu.  Median    Mean  3rd Qu.    Max.
132266253 145633171 145633196 143889687 145633219 145633245
```

```
patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.2.cent
      10
      92
```

```
patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.2.conc
      0.07 0.08 0.09
      29  61   2
```

```
patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.2.day_
      8 12
      80 12
```

```
patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.2.is_d
      no
      92
```

```
patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.2.mont
      5  6
      80 12
```

```
patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.2.plat
      Min. 1st Qu.  Median    Mean 3rd Qu.    Max.
      1.000  2.000  5.000  5.598  9.000 12.000
```

```
patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.2.plat
a29i a30a
      80  12
```

```
patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.2.quan
      2.8 3.2 3.6
      29 61  2
```

```
patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.2.sour
      23
      92
```

```
patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.2.vol
      40
```

92

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.2.year
2013

92

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.3.bios

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
145633487	145633661	145633682	145633676	145633705	145633726	12

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.3.cent
 5 NA's
 80 12

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.3.conc
 0.14 0.15 0.16 0.17 NA's
 11 29 29 11 12

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.3.day_
 8 NA's
 80 12

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.3.is_d
 no NA's
 80 12

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.3.mont
 5 NA's
 80 12

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.3.plat

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1.000	3.000	6.000	6.225	9.000	12.000	12

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.3.plat
 a29j NA's
 80 12

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.3.quan
 1.82 1.95 2.08 2.21 NA's
 11 29 29 11 12

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.3.sour
 23 NA's
 80 12

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.3.vol
 13 NA's
 80 12

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.3.years
 2013 NA's
 80 12

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.biospe
 Min. 1st Qu. Median Mean 3rd Qu. Max.
 132266256 145634805 145634830 143891361 145634854 145634878

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.center
 1
 92

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.concen
 0.14 0.15 0.16 0.17
 14 34 33 11

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.day_of
 8 12
 80 12

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.is_den
 no
 92

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.month_
 5 6
 80 12

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.plate_
 Min. 1st Qu. Median Mean 3rd Qu. Max.
 1.000 2.000 5.000 5.598 9.000 12.000

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.plate_
 a29h a309
 80 12

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.quantit
 0.94 1.01 1.07 1.14
 14 34 33 11

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.source
 23
 92

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.volume
 6.7
 92

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.year_o
2013
92

patient.samples.sample.portions.portion.analytes.analyte.amount:
Min. 1st Qu. Median Mean 3rd Qu. Max.
7.50 23.93 32.85 33.60 41.64 63.56

patient.samples.sample.portions.portion.analytes.analyte.analyte_type:
dna
92

patient.samples.sample.portions.portion.analytes.analyte.analyte_type_id:
d
92

patient.samples.sample.portions.portion.analytes.analyte.concentration:
0.14 0.15 0.16 0.17
14 34 33 11

patient.samples.sample.portions.portion.analytes.analyte.dna.normal_tumor_genoty
yes
92

patient.samples.sample.portions.portion.analytes.analyte.dna.pcr_amplification_s
yes
92

patient.samples.sample.portions.portion.analytes.analyte.gel_image_file:
<https://sharedoc.nchri.org/tcga-bcr/default.aspx>
92

patient.samples.sample.portions.portion.analytes.analyte.is_derived_from_ffpe:
no
92

patient.samples.sample.portions.portion.analytes.analyte.protocols.protocol.expe
adna preparation type
92

patient.samples.sample.portions.portion.analytes.analyte.spectrophotometer_metho
picogreen
92

patient.samples.sample.portions.portion.analytes.analyte.subportion_sequence:
1 2
90 2

patient.samples.sample.portions.portion.day_of_creation:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.
4.0	6.0	15.0	16.9	28.0	30.0

patient.samples.sample.portions.portion.is_ffpe:

no
92

patient.samples.sample.portions.portion.month_of_creation:

1 2 3
43 47 2

patient.samples.sample.portions.portion.portion_number:

11 12 22 31
88 1 1 2

patient.samples.sample.portions.portion.portion_sequence:

1 2 3
89 1 2

patient.samples.sample.portions.portion.slides.slide.is_derived_from_ffpe:

no
92

patient.samples.sample.portions.portion.slides.slide.percent_lymphocyte_infiltration:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.
0.000	0.000	0.000	3.717	2.000	40.000

patient.samples.sample.portions.portion.slides.slide.percent_monocyte_infiltration:

0 1 5 20
82 1 1 8

patient.samples.sample.portions.portion.slides.slide.percent_necrosis:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.
0.000	0.000	0.000	2.587	2.000	20.000

patient.samples.sample.portions.portion.slides.slide.percent_neutrophil_infiltration:

0 8 20 40
83 1 6 2

patient.samples.sample.portions.portion.slides.slide.percent_normal_cells:

0 5 40
90 1 1

patient.samples.sample.portions.portion.slides.slide.percent_stromal_cells:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.
0.000	0.000	1.000	3.946	5.000	20.000

patient.samples.sample.portions.portion.slides.slide.percent_tumor_cells:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.
60.00	90.00	95.00	92.98	100.00	100.00

patient.samples.sample.portions.portion.slides.slide.percent_tumor_nuclei:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.
65.00	85.00	90.00	90.92	97.00	100.00

patient.samples.sample.portions.portion.slides.slide.section_location:

top
92

patient.samples.sample.portions.portion.weight:

10 20 30
3 4 85

patient.samples.sample.portions.portion.year_of_creation:

2013
92

patient.samples.sample.portions.shipment_portion.center_id:

20 NA's
46 46

patient.samples.sample.portions.shipment_portion.is_ffpe:

no NA's
46 46

patient.samples.sample.portions.shipment_portion.plate_id:

a39k NA's
46 46

patient.samples.sample.portions.shipment_portion.portion_number:

11 21 41 NA's
1 44 1 46

patient.samples.sample.portions.shipment_portion.portion_sequence:

1 2 NA's
1 41 50

patient.samples.sample.portions.shipment_portion.shipment_portion_day_of_shipment:

7 NA's
46 46

patient.samples.sample.portions.shipment_portion.shipment_portion_month_of_shipment:

5 NA's
46 46

patient.samples.sample.portions.shipment_portion.shipment_portion_year_of_shipment:

2014 NA's
46 46

patient.samples.sample.sample_type:
 primary tumor
 92

patient.samples.sample.sample_type_id:
 1
 92

patient.samples.sample.vial_number:
 a
 92

Histology:

Myxoid Type	Oncocytic Type	Sarcomatoid Type	Usual Type
1	4	2	84
NA's			
1			

C1A.C1B:

C1A	C1B	NA's
43	35	14

mRNA_K4:

steroid-phenotype-high	steroid-phenotype-high+proliferation
25	22
steroid-phenotype-low	steroid-phenotype-low+proliferation
27	4
NA's	
14	

MethyLevel:

CIMP-high	CIMP-intermediate	CIMP-low	NA's
20	27	32	13

SCNA.cluster:

Chromosomal	Noisy	Quiet	NA's
54	27	8	3

protein.cluster:

1	2	3	NA's
11	19	15	47

COC:

COC1	COC2	COC3	NA's
33	19	24	16

purity:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0.2000	0.7500	0.8500	0.8171	0.9200	1.0000	8

ploidy:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1.190	1.505	2.350	2.424	3.018	5.650	8

genome_doublings:

0	1	2	NA's
41	37	6	8

ADS:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
-3.370000	-0.610000	0.070000	-0.000128	0.737500	1.590000	14

BLCA

Bladder Urothelial Carcinoma

Description

A document describing the TCGA cancer code

Details

```
> experiments( BLCA )
```

```
ExperimentList class object of length 11:
```

```
[1] CNASeq-20160128: RaggedExperiment with 35692 rows and 232 columns
[2] CNASNP-20160128: RaggedExperiment with 479978 rows and 806 columns
[3] CNVSNP-20160128: RaggedExperiment with 104349 rows and 797 columns
[4] GISTIC_AllByGene-20160128: SummarizedExperiment with 24776 rows and 408 columns
[5] GISTIC_ThresholdedByGene-20160128: SummarizedExperiment with 24776 rows and 408 columns
[6] Methylation-20160128: SummarizedExperiment with 485577 rows and 434 columns
[7] miRNASeqGene-20160128: SummarizedExperiment with 1046 rows and 429 columns
[8] Mutation-20160128: RaggedExperiment with 39312 rows and 130 columns
[9] RNASeq2GeneNorm-20160128: SummarizedExperiment with 20501 rows and 427 columns
[10] RNASeqGene-20160128: SummarizedExperiment with 20502 rows and 67 columns
[11] RPPAArray-20160128: SummarizedExperiment with 208 rows and 344 columns
```

```
> rownames( BLCA )
```

```
CharacterList of length 11
```

```
[[ "CNASeq-20160128" ]] character(0)
[[ "CNASNP-20160128" ]] character(0)
[[ "CNVSNP-20160128" ]] character(0)
[[ "GISTIC_AllByGene-20160128" ]] ACAP3 ACTRT2 ... WASIR1|ENSG00000185203.7
[[ "GISTIC_ThresholdedByGene-20160128" ]] ACAP3 ... WASIR1|ENSG00000185203.7
[[ "Methylation-20160128" ]] cg00000029 cg00000108 ... rs966367 rs9839873
[[ "miRNASeqGene-20160128" ]] hsa-let-7a-1 hsa-let-7a-2 ... hsa-mir-99b
[[ "Mutation-20160128" ]] character(0)
[[ "RNASeq2GeneNorm-20160128" ]] A1BG A1CF A2BP1 A2LD1 ... ZZZ3 psiTPTE22 tAKR
[[ "RNASeqGene-20160128" ]] A1BG A1CF A2BP1 A2LD1 ... ZZEF1 ZZZ3 psiTPTE22 tAKR
...
<1 more element>
```

```
> colnames( BLCA )
CharacterList of length 11
[["CNASeq-20160128"]] TCGA-BL-A0C8-01A-11D-A10R-02 ...
[["CNASNP-20160128"]] TCGA-2F-A9KO-01A-11D-A38F-01 ...
[["CNVSNP-20160128"]] TCGA-2F-A9KO-01A-11D-A38F-01 ...
[["GISTIC_AllByGene-20160128"]] TCGA-2F-A9KO-01A-11D-A38F-01 ...
[["GISTIC_ThresholdedByGene-20160128"]] TCGA-2F-A9KO-01A-11D-A38F-01 ...
[["Methylation-20160128"]] TCGA-2F-A9KO-01A-11D-A38H-05 ...
[["miRNASeqGene-20160128"]] TCGA-2F-A9KO-01A-11R-A38M-13 ...
[["Mutation-20160128"]] TCGA-BL-A0C8-01A-11D-A10S-08 ...
[["RNASeq2GeneNorm-20160128"]] TCGA-2F-A9KO-01A-11R-A38B-07 ...
[["RNASeqGene-20160128"]] TCGA-BL-A0C8-01A-11R-A10U-07 ...
...
<1 more element>
```

Sizes of each ExperimentList element:

		assay size.Mb
1	CNASeq-20160128	1 Mb
2	CNASNP-20160128	13 Mb
3	CNVSNP-20160128	3 Mb
4	GISTIC_AllByGene-20160128	4.4 Mb
5	GISTIC_ThresholdedByGene-20160128	4.4 Mb
6	Methylation-20160128	67.5 Mb
7	miRNASeqGene-20160128	0.1 Mb
8	Mutation-20160128	53.5 Mb
9	RNASeq2GeneNorm-20160128	1.2 Mb
10	RNASeqGene-20160128	1.1 Mb
11	RPPAArray-20160128	0 Mb

Overall survival time-to-event summary (in years):

```
Call: survfit(formula = survival::Surv(colDat$days_to_death/365, colDat$vital_status - 1)
```

```

232 observations deleted due to missingness
      n events median 0.95LCL 0.95UCL
180.000 180.000  1.125  0.992  1.332
```

Available sample meta-data:

```
years_to_birth:
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.   NA's
 34.00  60.00   69.00   68.08  76.00   90.00    1
```

vital_status:

0	1
230	182

days_to_death:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
19.0	235.8	410.5	552.8	654.5	3183.0	232

days_to_last_followup:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
-64.0	398.2	639.0	1016.7	1458.8	5050.0	182

tumor_tissue_site:

bladder
412

pathologic_stage:

stage i	stage ii	stage iii	stage iv	NA's
2	131	141	136	2

pathology_M_stage:

m0	m1	mx	NA's
196	11	202	3

gender:

female	male
108	304

date_of_initial_pathologic_diagnosis:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1999	2009	2011	2010	2012	2013	18

radiation_therapy:

no	yes	NA's
366	20	26

karnofsky_performance_score:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
30.00	80.00	90.00	83.09	90.00	100.00	276

histological_type:

muscle invasive urothelial carcinoma (pt2 or above)	409
	NA's
	3

number_pack_years_smoked:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0.15	20.00	30.00	39.04	50.00	730.00	188

number_of_lymph_nodes:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0.000	0.000	0.000	2.088	2.000	97.000	115

race:

asian	black or african american	white
44	23	327
NA's		
18		

ethnicity:

hispanic or latino	not hispanic or latino	NA's
9	371	32

admin.bcr:

nationwide children's hospital
412

admin.day_of_dcc_upload:

1
412

admin.disease_code:

blca
412

admin.month_of_dcc_upload:

10
412

admin.patient_withdrawal.withdrawn:

false
412

admin.project_code:

tcga
412

admin.year_of_dcc_upload:

2015
412

patient.additional_studies.additional_study.disease_code:

fppp NA's
3 409

patient.additional_studies.additional_study.project_code:

tcga NA's
3 409

patient.age_at_initial_pathologic_diagnosis:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.
34.0	60.0	69.0	68.1	76.0	90.0

patient.age_began_smoking_in_years:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
9.0	16.0	20.0	32.9	25.0	1966.0	237

patient.anatomic_neoplasm_subdivision.4:

wall anterior	wall lateral	wall posterior	NA's
2	6	9	395

patient.anatomic_neoplasm_subdivision.5:

wall lateral	wall posterior	NA's
2	4	406

patient.anatomic_neoplasm_subdivision.6:

wall posterior	NA's
2	410

patient.bladder_carcinoma_extracapsular_extension_status:

extensive	focal	NA's
17	37	358

patient.blood_relative_cancer_history_list.blood_relative_cancer_history.2.cancer

lungbronchus	NA's
1	411

patient.blood_relative_cancer_history_list.blood_relative_cancer_history.3.cancer

multiple myeloma	NA's
1	411

patient.blood_relative_cancer_history_list.blood_relative_cancer_history.4.cancer

breast-fem	lungbronchus	NA's
1	3	408

patient.blood_relative_cancer_history_list.blood_relative_cancer_history.4.cancer

melanoma	NA's
1	411

patient.blood_relative_cancer_history_list.blood_relative_cancer_history.4.family

brother	child	NA's
2	1	409

patient.blood_relative_cancer_history_list.blood_relative_cancer_history.5.cancer

prostate NA's
1 411

patient.blood_relative_cancer_history_list.blood_relative_cancer_history.5.family_brother NA's
1 411

patient.blood_relative_cancer_history_list.blood_relative_cancer_history.6.cancer_breast-fem NA's
1 411

patient.blood_relative_cancer_history_list.blood_relative_cancer_history.6.family_child NA's
1 411

patient.blood_relative_cancer_history_list.blood_relative_cancer_history.cancer_breast-fem lungbronchus uterine NA's
1 1 1 409

patient.clinical_cqcf.anatomic_neoplasm_subdivision:
dome neck trigone NA's
13 2 30 367

patient.clinical_cqcf.consent_or_death_status:
consented deceased
391 21

patient.clinical_cqcf.days_to_consent:
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
-533.00 4.00 30.00 112.09 64.25 3891.00 40

patient.clinical_cqcf.days_to_death:
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
149.0 251.0 393.0 428.8 579.0 835.0 391

patient.clinical_cqcf.diagnosis_subtype:
non-papillary papillary NA's
224 110 78

patient.clinical_cqcf.histological_type:
muscle invasive urothelial carcinoma (pt2 or above)
410
NA's
2

patient.clinical_cqcf.history_of_neoadjuvant_treatment:
no
402

yes, pharmaceutical treatment prior to resection
10

patient.clinical_cqcf.normal_tissue_anatomic_site:		
bladder; macroscopic urothelial tissue	16	other 10
smooth muscle	33	NA's 353

patient.clinical_cqcf.normal_tissue_proximity:		
distal (>2cm)	58	NA's 354

patient.clinical_cqcf.tumor_type:		
tumor specimen from de novo untreated malignancy of the bladder	411	
		NA's 1

patient.day_of_form_completion:					
Min.	1st Qu.	Median	Mean	3rd Qu.	Max.
1.00	7.00	14.50	14.61	21.00	31.00

patient.days_to_birth:						
Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
-32918	-27942	-25259	-25037	-22208	-12557	1

patient.days_to_death:						
Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
19.0	179.8	342.0	508.2	594.5	2828.0	304

patient.days_to_initial_pathologic_diagnosis:	
0	
412	

patient.days_to_last_followup:						
Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
-64.0	86.0	238.0	627.5	790.0	4684.0	109

patient.diagnosis_age:						
Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
48.00	61.50	74.00	70.05	78.50	90.00	392

patient.diagnosis_subtype:			
non-papillary	papillary		NA's
274	133		5

patient.disease_extracapsular_extension_ind.3:		
no	yes	NA's
89	73	250

patient.drugs.drug.10.bcr_drug_barcode:

tcga-xf-aan0-d62524	NA's	
1	411	
patient.drugs.drug.10.bcr_drug_uuid:		
f0ff819c-fa2c-4e7b-alca-8cd498bd3371	NA's	
1	411	
patient.drugs.drug.10.day_of_form_completion:		
19 NA's		
1	411	
patient.drugs.drug.10.days_to_drug_therapy_end:		
1318 NA's		
1	411	
patient.drugs.drug.10.days_to_drug_therapy_start:		
1265 NA's		
1	411	
patient.drugs.drug.10.drug_name:		
adriamycin (doxorubicin)	NA's	
1	411	
patient.drugs.drug.10.measure_of_response:		
partial response	NA's	
1	411	
patient.drugs.drug.10.month_of_form_completion:		
7 NA's		
1	411	
patient.drugs.drug.10.therapy_ongoing:		
no NA's		
1	411	
patient.drugs.drug.10.therapy_types.therapy_type:		
chemotherapy	NA's	
1	411	
patient.drugs.drug.10.tx_on_clinical_trial:		
no NA's		
1	411	
patient.drugs.drug.10.year_of_form_completion:		
2014 NA's		
1	411	
patient.drugs.drug.11.bcr_drug_barcode:		
tcga-xf-aan0-d62525	NA's	
1	411	
patient.drugs.drug.11.bcr_drug_uuid:		

2a7e98ea-34ff-45bb-bb07-d816ef52d85b	1	NA's	411
patient.drugs.drug.11.day_of_form_completion:			
19 NA's			
1	411		
patient.drugs.drug.11.days_to_drug_therapy_end:			
1318 NA's			
1	411		
patient.drugs.drug.11.days_to_drug_therapy_start:			
1265 NA's			
1	411		
patient.drugs.drug.11.drug_name:			
gemcitabine		NA's	
1	411		
patient.drugs.drug.11.measure_of_response:			
partial response		NA's	
1	411		
patient.drugs.drug.11.month_of_form_completion:			
7 NA's			
1	411		
patient.drugs.drug.11.therapy_ongoing:			
no NA's			
1	411		
patient.drugs.drug.11.therapy_types.therapy_type:			
chemotherapy		NA's	
1	411		
patient.drugs.drug.11.tx_on_clinical_trial:			
no NA's			
1	411		
patient.drugs.drug.11.year_of_form_completion:			
2014 NA's			
1	411		
patient.drugs.drug.12.bcr_drug_barcode:			
tcga-xf-aan0-d62526		NA's	
1	411		
patient.drugs.drug.12.bcr_drug_uuid:			
d1bb434a-f94e-4706-a788-71d092772679		NA's	
1	411		
patient.drugs.drug.12.day_of_form_completion:			

```

19 NA's
1 411

patient.drugs.drug.12.days_to_drug_therapy_end:
1486 NA's
1 411

patient.drugs.drug.12.days_to_drug_therapy_start:
1423 NA's
1 411

patient.drugs.drug.12.drug_name:
gemcitabine NA's
1 411

patient.drugs.drug.12.measure_of_response:
partial response NA's
1 411

patient.drugs.drug.12.month_of_form_completion:
7 NA's
1 411

patient.drugs.drug.12.therapy_ongoing:
no NA's
1 411

patient.drugs.drug.12.therapy_types.therapy_type:
chemotherapy NA's
1 411

patient.drugs.drug.12.tx_on_clinical_trial:
no NA's
1 411

patient.drugs.drug.12.year_of_form_completion:
2014 NA's
1 411

patient.drugs.drug.13.bcr_drug_barcode:
tcga-xf-aan0-d62527 NA's
1 411

patient.drugs.drug.13.bcr_drug_uuid:
4e2ad69a-535f-4040-b362-1fe4451470f1 NA's
1 411

patient.drugs.drug.13.day_of_form_completion:
19 NA's
1 411

patient.drugs.drug.13.days_to_drug_therapy_end:

```

1486 NA's
 1 411

patient.drugs.drug.13.days_to_drug_therapy_start:
 1465 NA's
 1 411

patient.drugs.drug.13.drug_name:
 adriamycin (doxorubicin) NA's
 1 411

patient.drugs.drug.13.measure_of_response:
 partial response NA's
 1 411

patient.drugs.drug.13.month_of_form_completion:
 7 NA's
 1 411

patient.drugs.drug.13.therapy_ongoing:
 no NA's
 1 411

patient.drugs.drug.13.therapy_types.therapy_type:
 chemotherapy NA's
 1 411

patient.drugs.drug.13.tx_on_clinical_trial:
 no NA's
 1 411

patient.drugs.drug.13.year_of_form_completion:
 2014 NA's
 1 411

patient.drugs.drug.14.bcr_drug_barcode:
 tcga-xf-aan0-d62528 NA's
 1 411

patient.drugs.drug.14.bcr_drug_uuid:
 bf52cad0-17af-465d-b6b0-3e4368d6a4fd NA's
 1 411

patient.drugs.drug.14.day_of_form_completion:
 19 NA's
 1 411

patient.drugs.drug.14.days_to_drug_therapy_end:
 1598 NA's
 1 411

patient.drugs.drug.14.days_to_drug_therapy_start:

1598 NA's

1 411

patient.drugs.drug.14.drug_name:

gemcitabine NA's

1 411

patient.drugs.drug.14.measure_of_response:

clinical progressive disease

1

NA's

411

patient.drugs.drug.14.month_of_form_completion:

7 NA's

1 411

patient.drugs.drug.14.therapy_ongoing:

no NA's

1 411

patient.drugs.drug.14.therapy_types.therapy_type:

chemotherapy NA's

1 411

patient.drugs.drug.14.tx_on_clinical_trial:

no NA's

1 411

patient.drugs.drug.14.year_of_form_completion:

2014 NA's

1 411

patient.drugs.drug.15.bcr_drug_barcode:

tcga-xf-aan0-d62529 NA's

1 411

patient.drugs.drug.15.bcr_drug_uuid:

226b95ea-5675-4ba5-a592-3fd8a86e53c5

1

NA's

411

patient.drugs.drug.15.day_of_form_completion:

19 NA's

1 411

patient.drugs.drug.15.days_to_drug_therapy_end:

1598 NA's

1 411

patient.drugs.drug.15.days_to_drug_therapy_start:

1598 NA's

1 411

patient.drugs.drug.15.drug_name:

adriamycin (doxorubicin)		NA's
1		411
patient.drugs.drug.15.measure_of_response:		
clinical progressive disease		NA's
1		411
patient.drugs.drug.15.month_of_form_completion:		
7 NA's		
1		411
patient.drugs.drug.15.therapy_ongoing:		
no NA's		
1		411
patient.drugs.drug.15.therapy_types.therapy_type:		
chemotherapy	NA's	
1	411	
patient.drugs.drug.15.tx_on_clinical_trial:		
no NA's		
1		411
patient.drugs.drug.15.year_of_form_completion:		
2014 NA's		
1		411
patient.drugs.drug.16.bcr_drug_barcode:		
tcga-xf-aan0-d62530	NA's	
1	411	
patient.drugs.drug.16.bcr_drug_uuid:		
1e22652b-7f6c-469d-bfc7-4ae593aaeea0		NA's
1		411
patient.drugs.drug.16.clinical_trial_drug_classification:		
mtor inhibitor	NA's	
1	411	
patient.drugs.drug.16.day_of_form_completion:		
19 NA's		
1		411
patient.drugs.drug.16.days_to_drug_therapy_end:		
1703 NA's		
1		411
patient.drugs.drug.16.days_to_drug_therapy_start:		
1703 NA's		
1		411
patient.drugs.drug.16.drug_name:		

temsirolimus	NA's	
1	411	
patient.drugs.drug.16.month_of_form_completion:		
7 NA's		
1	411	
patient.drugs.drug.16.therapy_ongoing:		
no NA's		
1	411	
patient.drugs.drug.16.therapy_types.therapy_type:		
chemotherapy	NA's	
1	411	
patient.drugs.drug.16.tx_on_clinical_trial:		
yes NA's		
1	411	
patient.drugs.drug.16.year_of_form_completion:		
2014 NA's		
1	411	
patient.drugs.drug.17.bcr_drug_barcode:		
tcga-xf-aan0-d62531	NA's	
1	411	
patient.drugs.drug.17.bcr_drug_uuid:		
6b5260d5-8811-491d-a355-746ec69dd098		NA's
1		411
patient.drugs.drug.17.clinical_trial_drug_classification:		
anti-mitotic, vinca alkaloid	NA's	
1	411	
patient.drugs.drug.17.day_of_form_completion:		
19 NA's		
1	411	
patient.drugs.drug.17.days_to_drug_therapy_end:		
1703 NA's		
1	411	
patient.drugs.drug.17.days_to_drug_therapy_start:		
1703 NA's		
1	411	
patient.drugs.drug.17.drug_name:		
vinorelbine	NA's	
1	411	
patient.drugs.drug.17.month_of_form_completion:		

7 NA's
1 411

patient.drugs.drug.17.therapy_ongoing:
no NA's
1 411

patient.drugs.drug.17.therapy_types.therapy_type:
chemotherapy NA's
1 411

patient.drugs.drug.17.tx_on_clinical_trial:
yes NA's
1 411

patient.drugs.drug.17.year_of_form_completion:
2014 NA's
1 411

patient.drugs.drug.2.clinical_trail_drug_classification:
chemoprotectant NA's
1 411

patient.drugs.drug.2.day_of_form_completion:
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
1.00 8.00 16.00 15.46 21.00 31.00 306

patient.drugs.drug.2.days_to_drug_therapy_end:
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
0.0 138.0 177.0 279.8 276.5 2543.0 317

patient.drugs.drug.2.days_to_drug_therapy_start:
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
0.0 67.0 121.0 206.1 170.0 2500.0 309

patient.drugs.drug.2.measure_of_response:
clinical progressive disease complete response
27 38
partial response stable disease
13 9
NA's
325

patient.drugs.drug.2.month_of_form_completion:
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
1.000 6.000 7.000 7.028 9.000 12.000 306

patient.drugs.drug.2.therapy_ongoing:
no yes NA's

97 8 307

```
patient.drugs.drug.2.therapy_types.therapy_type:
  ancillary chemotherapy immunotherapy NA's
      1             101             2       308
```

```
patient.drugs.drug.2.tx_on_clinical_trial:
  no yes NA's
  94 11 307
```

```
patient.drugs.drug.2.year_of_form_completion:
2012 2013 2014 2015 NA's
  35  16  38  17  306
```

```
patient.drugs.drug.3.clinical_trial_drug_classification:
platinum-based antineoplastic NA's
      1                         411
```

```
patient.drugs.drug.3.day_of_form_completion:
  Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
  1.00  8.00  17.00 15.33 20.75 28.00 382
```

```
patient.drugs.drug.3.days_to_drug_therapy_end:
  Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
  38.0 130.2 184.0 361.1 335.2 2543.0 384
```

```
patient.drugs.drug.3.days_to_drug_therapy_start:
  Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
  5.0  58.0 142.0 329.7 327.0 2500.0 383
```

```
patient.drugs.drug.3.measure_of_response:
clinical progressive disease complete response
      10                         6
      partial response stable disease
      7                         3
      NA's
      386
```

```
patient.drugs.drug.3.month_of_form_completion:
  Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
  2.000 6.000 7.000 7.367 8.750 12.000 382
```

```
patient.drugs.drug.3.therapy_ongoing:
  no yes NA's
  28  2 382
```

```
patient.drugs.drug.3.therapy_types.therapy_type:
chemotherapy NA's
      30       382
```



```

patient.drugs.drug.3.tx_on_clinical_trial:
  no  yes NA's
  24   6  382

patient.drugs.drug.3.year_of_form_completion:
2012 2013 2014 2015 NA's
  11   5  13   1  382

patient.drugs.drug.4.clinical_trial_drug_classification:
anti-tubulin agent          NA's
                           1          411

patient.drugs.drug.4.day_of_form_completion:
  Min. 1st Qu.  Median  Mean 3rd Qu.  Max.  NA's
  1.00   6.00  16.00 13.81 19.00 28.00  391

patient.drugs.drug.4.days_to_drug_therapy_end:
  Min. 1st Qu.  Median  Mean 3rd Qu.  Max.  NA's
  9.00  87.75 157.50 327.10 333.75 1782.00  392

patient.drugs.drug.4.days_to_drug_therapy_start:
  Min. 1st Qu.  Median  Mean 3rd Qu.  Max.  NA's
  0.00  50.75 124.00 282.55 287.25 1759.00  392

patient.drugs.drug.4.measure_of_response:
clinical progressive disease          complete response
                                   8                               2
      partial response                stable disease
                                   4                               4
                                   NA's
                                   394

patient.drugs.drug.4.month_of_form_completion:
  Min. 1st Qu.  Median  Mean 3rd Qu.  Max.  NA's
  2.000  6.000  7.000  7.095  8.000 12.000  391

patient.drugs.drug.4.therapy_ongoing:
  no  yes NA's
  20   1  391

patient.drugs.drug.4.therapy_types.therapy_type:
chemotherapy          NA's
                    20          392

patient.drugs.drug.4.tx_on_clinical_trial:
  no  yes NA's
  14   7  391

```

patient.drugs.drug.4.year_of_form_completion:

2012	2013	2014	2015	NA's
9	1	10	1	391

patient.drugs.drug.5.day_of_form_completion:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1.00	13.00	17.00	15.80	19.75	28.00	402

patient.drugs.drug.5.days_to_drug_therapy_end:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
9.0	119.5	284.5	462.0	431.8	1782.0	402

patient.drugs.drug.5.days_to_drug_therapy_start:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0.0	89.0	204.5	410.5	414.8	1759.0	402

patient.drugs.drug.5.drug_name:

cisplatin	doxorubicin	ifosfamide	mesna	NA's
6	2	1	1	402

patient.drugs.drug.5.measure_of_response:

clinical progressive disease	complete response
6	1
partial response	stable disease
2	1
NA's	
402	

patient.drugs.drug.5.month_of_form_completion:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
2.0	6.0	7.0	6.8	7.0	11.0	402

patient.drugs.drug.5.therapy_ongoing:

no	NA's
10	402

patient.drugs.drug.5.therapy_types.therapy_type:

ancillary chemotherapy	NA's
1	9
	402

patient.drugs.drug.5.tx_on_clinical_trial:

no	yes	NA's
9	1	402

patient.drugs.drug.5.year_of_form_completion:

2012	2013	2014	NA's
3	1	6	402

patient.drugs.drug.6.bcr_drug_barcode:

tcga-fd-a3sj-d33648 tcga-g2-a3ie-d36980 tcga-xf-aan0-d62520 tcga-xf-aan7-d62549

```

1
NA's
408

patient.drugs.drug.6.bcr_drug_uuid:
0dbb730f-938a-4675-a8de-8575aca21c6a 10d93d30-4ac6-484f-8772-54a424c9799b
1 1
535127d6-b422-4608-a7d1-1b0ed7d63611 e6e275ff-bdea-4f7a-b8da-3579d9a765f8
1 1
NA's
408

patient.drugs.drug.6.clinical_trail_drug_classification:
blinded: zactima or placebo. zactima is a kinase inhibitor
1
NA's
411

patient.drugs.drug.6.day_of_form_completion:
16 19 20 21 NA's
1 1 1 1 408

patient.drugs.drug.6.days_to_drug_therapy_end:
100 275 442 1052 NA's
1 1 1 1 408

patient.drugs.drug.6.days_to_drug_therapy_start:
81 274 399 898 NA's
1 1 1 1 408

patient.drugs.drug.6.drug_name:
docetaxel +/- zactima methotrexate taxol
1 1 1
vinblastine NA's
1 408

patient.drugs.drug.6.measure_of_response:
clinical progressive disease partial response
2 1
stable disease NA's
1 408

patient.drugs.drug.6.month_of_form_completion:
7 11 NA's
3 1 408

patient.drugs.drug.6.therapy_ongoing:
no NA's
4 408

patient.drugs.drug.6.therapy_types.therapy_type:
chemotherapy NA's

```

4 408

patient.drugs.drug.6.tx_on_clinical_trial:

no yes NA's
3 1 408

patient.drugs.drug.6.year_of_form_completion:

2012 2014 NA's
2 2 408

patient.drugs.drug.7.bcr_drug_barcode:

tcga-g2-a3ie-d36983 tcga-xf-aan0-d62521 NA's
1 1 410

patient.drugs.drug.7.bcr_drug_uuid:

60fd150c-836a-4098-905f-cb879f56df75 70591683-fcf3-48e0-8e19-6d1559b9419d
1 1
NA's
410

patient.drugs.drug.7.day_of_form_completion:

19 20 NA's
1 1 410

patient.drugs.drug.7.days_to_drug_therapy_end:

100 1052 NA's
1 1 410

patient.drugs.drug.7.days_to_drug_therapy_start:

81 898 NA's
1 1 410

patient.drugs.drug.7.drug_name:

cisplatin NA's
2 410

patient.drugs.drug.7.measure_of_response:

clinical progressive disease partial response
1 1
NA's
410

patient.drugs.drug.7.month_of_form_completion:

7 11 NA's
1 1 410

patient.drugs.drug.7.therapy_ongoing:

no NA's
2 410

patient.drugs.drug.7.therapy_types.therapy_type:

chemotherapy NA's

```

                2          410

patient.drugs.drug.7.tx_on_clinical_trial:
  no NA's
    2  410

patient.drugs.drug.7.year_of_form_completion:
2012 2014 NA's
    1    1  410

patient.drugs.drug.8.bcr_drug_barcode:
tcga-xf-aan0-d62522          NA's
                1          411

patient.drugs.drug.8.bcr_drug_uuid:
ba0fac90-b83b-4b17-9c03-35c0198a3273          NA's
                1          411

patient.drugs.drug.8.day_of_form_completion:
  19 NA's
    1  411

patient.drugs.drug.8.days_to_drug_therapy_end:
1136 NA's
    1  411

patient.drugs.drug.8.days_to_drug_therapy_start:
1094 NA's
    1  411

patient.drugs.drug.8.drug_name:
adriamycin (doxorubicin)          NA's
                1          411

patient.drugs.drug.8.measure_of_response:
partial response          NA's
                1          411

patient.drugs.drug.8.month_of_form_completion:
  7 NA's
    1  411

patient.drugs.drug.8.therapy_ongoing:
  no NA's
    1  411

patient.drugs.drug.8.therapy_types.therapy_type:
chemotherapy          NA's
                1          411

patient.drugs.drug.8.tx_on_clinical_trial:
  no NA's

```

1 411

patient.drugs.drug.8.year_of_form_completion:
2014 NA's

1 411

patient.drugs.drug.9.bcr_drug_barcode:
tcga-xf-aan0-d62523 NA's
1 411

patient.drugs.drug.9.bcr_drug_uuid:
bb3fecdf-1f45-42b9-bc18-242ab337cfe0 NA's
1 411

patient.drugs.drug.9.day_of_form_completion:
19 NA's
1 411

patient.drugs.drug.9.days_to_drug_therapy_end:
1136 NA's
1 411

patient.drugs.drug.9.days_to_drug_therapy_start:
1094 NA's
1 411

patient.drugs.drug.9.drug_name:
gemcitabine NA's
1 411

patient.drugs.drug.9.measure_of_response:
partial response NA's
1 411

patient.drugs.drug.9.month_of_form_completion:
7 NA's
1 411

patient.drugs.drug.9.therapy_ongoing:
no NA's
1 411

patient.drugs.drug.9.therapy_types.therapy_type:
chemotherapy NA's
1 411

patient.drugs.drug.9.tx_on_clinical_trial:
no NA's
1 411

patient.drugs.drug.9.year_of_form_completion:
2014 NA's

1 411

patient.drugs.drug.clinical_trail_drug_classification:

chemotherapy	NA's
1	411

patient.drugs.drug.day_of_form_completion:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1.00	10.00	16.00	15.89	21.00	31.00	292

patient.drugs.drug.days_to_drug_therapy_end:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
-368.0	126.5	177.0	275.5	318.0	2569.0	305

patient.drugs.drug.days_to_drug_therapy_start:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0.0	65.0	121.0	205.1	198.0	2569.0	299

patient.drugs.drug.measure_of_response:

clinical progressive disease	complete response
31	38
partial response	stable disease
13	11
NA's	
319	

patient.drugs.drug.month_of_form_completion:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1.000	4.000	7.000	6.592	9.000	12.000	292

patient.drugs.drug.number_cycles:

4	6	NA's
1	2	409

patient.drugs.drug.prescribed_dose:

800	1000	NA's
1	2	409

patient.drugs.drug.prescribed_dose_units:

mg/m2	NA's
3	409

patient.drugs.drug.regimen_indication:

adjuvant progression	NA's
2	4
	406

patient.drugs.drug.regimen_number:

1st line adjuvant (1st line)	NA's
3	2
	407

```
patient.drugs.drug.route_of_administrations.route_of_administration:
intravenous (iv)          NA's
          4                408
```

```
patient.drugs.drug.therapy_ongoing:
  no  yes NA's
111   7 294
```

```
patient.drugs.drug.therapy_types.therapy_type:
  chemotherapy immunotherapy          NA's
          107             7          298
```

```
patient.drugs.drug.total_dose:
129 1200 1300 NA's
  1    1    1  409
```

```
patient.drugs.drug.total_dose_units:
  mg NA's
  3  409
```

```
patient.drugs.drug.tx_on_clinical_trial:
  no  yes NA's
 99  13  300
```

```
patient.drugs.drug.year_of_form_completion:
2012 2013 2014 2015 NA's
  42   20   42   16  292
```

```
patient.eastern_cancer_oncology_group:
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.    NA's
0.0000 0.0000  1.0000  0.8713  1.0000  4.0000   311
```

```
patient.ethnicity:
  hispanic or latino not hispanic or latino          NA's
          9                371                32
```

```
patient.follow_ups.follow_up.2.additional_pharmaceutical_therapy:
  no NA's
  1  411
```

```
patient.follow_ups.follow_up.2.additional_surgery_locoregional_procedure:
  no NA's
  1  411
```

```
patient.follow_ups.follow_up.2.additional_treatment_completion_success_outcome:
  complete response progressive disease    stable disease          NA's
          42                18                3          349
```

```
patient.follow_ups.follow_up.2.day_of_form_completion:
```


Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
2.00	10.00	15.00	16.08	22.50	31.00	341

patient.follow_ups.follow_up.2.days_to_death:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
146	433	665	767	756	3183	389

patient.follow_ups.follow_up.2.days_to_last_followup:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
110.0	621.8	826.0	1133.8	1475.5	4967.0	364

patient.follow_ups.follow_up.2.days_to_new_tumor_event_after_initial_treatment:

528	NA's
1	411

patient.follow_ups.follow_up.2.followup_case_report_form_submission_reason:

additional new tumor event	NA's
1	411

patient.follow_ups.follow_up.2.lost_follow_up:

no	yes	NA's
64	5	343

patient.follow_ups.follow_up.2.month_of_form_completion:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1.000	3.000	7.000	6.775	10.000	12.000	341

patient.follow_ups.follow_up.2.new_neoplasm_event_occurrence_anatomic_site:

bone	NA's
1	411

patient.follow_ups.follow_up.2.new_neoplasm_event_type:

metastatic	NA's
1	411

patient.follow_ups.follow_up.2.new_tumor_event_after_initial_treatment:

yes	NA's
1	411

patient.follow_ups.follow_up.2.new_tumor_events.new_tumor_event.2.additional_ph

no	yes	NA's
2	2	408

patient.follow_ups.follow_up.2.new_tumor_events.new_tumor_event.2.additional_rad

no	yes	NA's
3	1	408

patient.follow_ups.follow_up.2.new_tumor_events.new_tumor_event.2.days_to_new_tu

791	NA's
1	411

patient.follow_ups.follow_up.2.new_tumor_events.new_tumor_event.2.days_to_new_tu

```

462  651  791  3086 NA's
   1    1    1    1  408

patient.follow_ups.follow_up.2.new_tumor_events.new_tumor_event.2.new_neoplasm_e
      bladder                bone                lung lymph node only                NA's
                1                1                1                1                408

patient.follow_ups.follow_up.2.new_tumor_events.new_tumor_event.2.new_neoplasm_e
      distant metastasis locoregional (urothelial tumor event)
                3                1
                NA's
                408

patient.follow_ups.follow_up.2.new_tumor_events.new_tumor_event.2.new_tumor_event
      no  yes NA's
       3   1  408

patient.follow_ups.follow_up.2.new_tumor_events.new_tumor_event.3.additional_phar
      no  yes NA's
       1   1  410

patient.follow_ups.follow_up.2.new_tumor_events.new_tumor_event.3.additional_rad
      no NA's
       2  410

patient.follow_ups.follow_up.2.new_tumor_events.new_tumor_event.3.days_to_new_tu
      501  651 NA's
       1   1  410

patient.follow_ups.follow_up.2.new_tumor_events.new_tumor_event.3.new_neoplasm_e
      other, specify                NA's
                2                410

patient.follow_ups.follow_up.2.new_tumor_events.new_tumor_event.3.new_neoplasm_e
      distant metastasis locoregional (urothelial tumor event)
                1                1
                NA's
                410

patient.follow_ups.follow_up.2.new_tumor_events.new_tumor_event.3.new_neoplasm_o
      adrenal soft tissue                NA's
                1                1                410

patient.follow_ups.follow_up.2.new_tumor_events.new_tumor_event.3.new_tumor_event
      no NA's
       2  410

patient.follow_ups.follow_up.2.new_tumor_events.new_tumor_event.4.additional_phar
      no NA's
       2  410

patient.follow_ups.follow_up.2.new_tumor_events.new_tumor_event.4.additional_rad

```

```

no yes NA's
1 1 410

patient.follow_ups.follow_up.2.new_tumor_events.new_tumor_event.4.days_to_new_tu
580 651 NA's
1 1 410

patient.follow_ups.follow_up.2.new_tumor_events.new_tumor_event.4.new_neoplasm_e
bone lymph node only NA's
1 1 410

patient.follow_ups.follow_up.2.new_tumor_events.new_tumor_event.4.new_neoplasm_e
distant metastasis locoregional (urothelial tumor event)
1 1
NA's
410

patient.follow_ups.follow_up.2.new_tumor_events.new_tumor_event.4.new_tumor_event
no NA's
2 410

patient.follow_ups.follow_up.2.new_tumor_events.new_tumor_event.additional_pharm
no yes NA's
6 4 402

patient.follow_ups.follow_up.2.new_tumor_events.new_tumor_event.additional_radia
no yes NA's
9 2 401

patient.follow_ups.follow_up.2.new_tumor_events.new_tumor_event.days_to_new_tumo
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
394.0 486.8 842.0 1171.5 1300.0 3130.0 406

patient.follow_ups.follow_up.2.new_tumor_events.new_tumor_event.days_to_new_tumo
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
139.0 288.0 479.5 691.3 645.8 3086.0 398

patient.follow_ups.follow_up.2.new_tumor_events.new_tumor_event.new_neoplasm_eve
distant metastasis locoregional (urothelial tumor event)
10 1
new primary tumor NA's
1 400

patient.follow_ups.follow_up.2.new_tumor_events.new_tumor_event.new_neoplasm_occ
abdominal wall NA's
1 411

patient.follow_ups.follow_up.2.new_tumor_events.new_tumor_event.new_tumor_event_
no yes NA's
5 6 401

```

```
patient.follow_ups.follow_up.2.new_tumor_events.new_tumor_event_after_initial_tr
no yes NA's
43 14 355
```

```
patient.follow_ups.follow_up.2.person_neoplasm_cancer_status:
tumor free with tumor NA's
39 19 354
```

```
patient.follow_ups.follow_up.2.postoperative_rx_tx:
no yes NA's
43 21 348
```

```
patient.follow_ups.follow_up.2.primary_therapy_outcome_success:
complete remission/response progressive disease
51 9
stable disease NA's
2 350
```

```
patient.follow_ups.follow_up.2.radiation_therapy:
no yes NA's
64 1 347
```

```
patient.follow_ups.follow_up.2.targeted_molecular_therapy:
no NA's
1 411
```

```
patient.follow_ups.follow_up.2.vital_status:
alive dead NA's
48 23 341
```

```
patient.follow_ups.follow_up.2.year_of_form_completion:
2012 2013 2014 2015 NA's
4 6 43 18 341
```

```
patient.follow_ups.follow_up.3.additional_treatment_completion_success_outcome:
complete response stable disease NA's
5 2 405
```

```
patient.follow_ups.follow_up.3.day_of_form_completion:
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
11.0 15.5 16.0 20.0 26.0 30.0 405
```

```
patient.follow_ups.follow_up.3.days_to_death:
904 1008 NA's
1 1 410
```

```
patient.follow_ups.follow_up.3.days_to_last_followup:
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
1219 1845 2024 2258 2886 3314 407
```

patient.follow_ups.follow_up.3.lost_follow_up:

no NA's
7 405

patient.follow_ups.follow_up.3.month_of_form_completion:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1.000	2.000	7.000	6.571	11.000	12.000	405

patient.follow_ups.follow_up.3.new_tumor_events.new_tumor_event_after_initial_tr

no NA's
7 405

patient.follow_ups.follow_up.3.person_neoplasm_cancer_status:

tumor free	with tumor	NA's
5	1	406

patient.follow_ups.follow_up.3.postoperative_rx_tx:

no NA's
7 405

patient.follow_ups.follow_up.3.primary_therapy_outcome_success:

complete remission/response	NA's
6	406

patient.follow_ups.follow_up.3.radiation_therapy:

no NA's
7 405

patient.follow_ups.follow_up.3.vital_status:

alive	dead	NA's
5	2	405

patient.follow_ups.follow_up.3.year_of_form_completion:

2013	2014	2015	NA's
1	4	2	405

patient.follow_ups.follow_up.additional_pharmaceutical_therapy:

no	yes	NA's
3	4	405

patient.follow_ups.follow_up.additional_radiation_therapy:

no	yes	NA's
2	3	407

patient.follow_ups.follow_up.additional_surgery_locoregional_procedure:

no	yes	NA's
8	1	403

patient.follow_ups.follow_up.additional_treatment_completion_success_outcome:

complete response	partial response	progressive disease	stable disease
180	6	96	15
NA's			

115

patient.follow_ups.follow_up.day_of_form_completion:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1.00	10.00	19.00	17.73	25.00	31.00	83

patient.follow_ups.follow_up.days_to_additional_surgery_metastatic_procedure:

185	NA's
1	411

patient.follow_ups.follow_up.days_to_death:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
56.0	250.8	377.5	486.0	568.5	2954.0	324

patient.follow_ups.follow_up.days_to_last_followup:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
46.0	389.0	542.0	959.4	1255.0	5050.0	185

patient.follow_ups.follow_up.days_to_new_tumor_event_after_initial_treatment:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
111.0	141.2	215.0	217.4	267.0	364.0	402

patient.follow_ups.follow_up.followup_case_report_form_submission_reason:

additional	new tumor event	scheduled	follow-up	submission	
					15
					1
					NA's
					396

patient.follow_ups.follow_up.lost_follow_up:

no	yes	NA's
280	27	105

patient.follow_ups.follow_up.month_of_form_completion:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1.000	3.000	6.000	6.432	10.000	12.000	83

patient.follow_ups.follow_up.new_neoplasm_event_occurrence_anatomic_site:

bone	lung	lymph node only	other, specify	NA's
2	3	2	2	403

patient.follow_ups.follow_up.new_neoplasm_event_type:

metastatic	no new tumor event	NA's
10	2	400

patient.follow_ups.follow_up.new_neoplasm_occurrence_anatomic_site_text:

lower abdominal wall and right pelvis	peritoneum
	1
	1
	NA's
	410

patient.follow_ups.follow_up.new_tumor_event_after_initial_treatment:

no	yes	NA's
8	8	396

patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.2.additional_pharm

no	yes	NA's
17	15	380

patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.2.additional_radia

no	yes	NA's
22	9	381

patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.2.days_to_new_tumo

991	1274	3130	NA's
1	1	1	409

patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.2.days_to_new_tumo

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
110.0	211.8	312.0	493.2	584.8	3086.0	376

patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.2.new_neoplasm_eve

distant metastasis	locoregional (urothelial tumor event)	
	24	9
new primary tumor		NA's
	3	376

patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.2.new_tumor_event

no	yes	NA's
30	3	379

patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.3.additional_pharm

no	yes	NA's
6	8	398

patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.3.additional_radia

no	yes	NA's
11	2	399

patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.3.days_to_new_tumo

1779	NA's
1	411

patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.3.days_to_new_tumo

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
110.0	230.5	499.0	545.3	704.5	1779.0	397

patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.3.new_neoplasm_eve

distant metastasis	locoregional (urothelial tumor event)	
	11	4

NA's
 397

patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.3.new_neoplasm_occurrence
 adrenal lymph nodes pelvic side wall soft tissue
 1 1 1 1
 NA's
 408

patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.3.new_tumor_event_3
 no yes NA's
 13 1 398

patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.4.additional_pharmaceuticals
 no yes NA's
 4 1 407

patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.4.additional_radiation
 no yes NA's
 4 1 407

patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.4.days_to_new_tumor_event_4
 2135 NA's
 1 411

patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.4.days_to_new_tumor_event_4
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 303.0 580.0 651.0 885.4 758.0 2135.0 407

patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.4.new_neoplasm_event_4
 bladder bone lymph node only other, specify NA's
 1 1 1 2 407

patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.4.new_neoplasm_event_4
 distant metastasis locoregional (urothelial tumor event)
 3 2
 NA's
 407

patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.4.new_neoplasm_occurrence_4
 adrenal metastases pancreas NA's
 1 1 410

patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.4.new_tumor_event_4
 no yes NA's
 4 1 407

patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.5.additional_pharmaceuticals
 no yes NA's
 1 1 410

patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.5.additional_radiation

no NA's
2 410

patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.5.days_to_new_tumor_event
2298 NA's
1 411

patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.5.days_to_new_tumor_event
303 2298 NA's
1 1 410

patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.5.new_neoplasm_event
bladder lymph node only NA's
1 1 410

patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.5.new_neoplasm_event
distant metastasis locoregional (urothelial tumor event)
1 1
NA's
410

patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.5.new_tumor_event
no yes NA's
1 1 410

patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.6.additional_pharmaceuticals
no NA's
1 411

patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.6.additional_radiation
no NA's
1 411

patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.6.days_to_new_tumor_event
303 NA's
1 411

patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.6.new_neoplasm_event
other, specify NA's
1 411

patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.6.new_neoplasm_event
locoregional (urothelial tumor event) NA's
1 411

patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.6.new_neoplasm_event
pelvic sidewall soft tissue recurrence NA's
1 411

patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.6.new_tumor_event
no NA's
1 411

patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.additional_pharmac
 no yes NA's
 40 33 339

patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.additional_radiati
 no yes NA's
 58 19 335

patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.days_to_new_tumor_
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 105.0 256.5 446.5 699.1 978.0 2222.0 402

patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.days_to_new_tumor_
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 32.0 178.0 314.5 523.9 552.8 4907.0 326

patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.new_neoplasm_event
 distant metastasis locoregional (urothelial tumor event)
 57 28
 new primary tumor NA's
 3 324

patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.new_tumor_event_ad
 no yes NA's
 70 10 332

patient.follow_ups.follow_up.new_tumor_events.new_tumor_event_after_initial_trea
 no yes NA's
 179 87 146

patient.follow_ups.follow_up.person_neoplasm_cancer_status:
 tumor free with tumor NA's
 181 109 122

patient.follow_ups.follow_up.postoperative_rx_tx:
 no yes NA's
 188 85 139

patient.follow_ups.follow_up.primary_therapy_outcome_success:
 complete remission/response partial remission/response
 202 11
 progressive disease stable disease
 46 19
 NA's
 134

patient.follow_ups.follow_up.radiation_therapy:
 no yes NA's
 280 18 114

```

patient.follow_ups.follow_up.targeted_molecular_therapy:
  no  yes NA's
  15   4  393

```

```

patient.follow_ups.follow_up.vital_status:
alive  dead  NA's
  228   89   95

```

```

patient.follow_ups.follow_up.year_of_form_completion:
  Min. 1st Qu.  Median    Mean 3rd Qu.  Max.  NA's
  2010  2013    2014    2014  2014    2015   83

```

```

patient.gender:
female  male
  108   304

```

```

patient.height:
  Min. 1st Qu.  Median    Mean 3rd Qu.  Max.  NA's
  139.0  165.0   172.7   171.6  179.0   196.0   49

```

```

patient.histological_type:
muscle invasive urothelial carcinoma (pt2 or above)
                                                    409
NA's
                                                    3

```

```

patient.history_non_muscle_invasive_blca.complete_response_observed:
  no  yes NA's
  26   5  381

```

```

patient.history_non_muscle_invasive_blca.hist_of_non_mibc:
  no  yes NA's
  241  66  105

```

```

patient.history_non_muscle_invasive_blca.induction_course_complete:
  no  yes NA's
  1   32  379

```

```

patient.history_non_muscle_invasive_blca.maint_therapy_course_complete:
  no  yes NA's
  19  14  379

```

```

patient.history_non_muscle_invasive_blca.mibc_90day_post_resection_bcg:
  no  yes NA's
  35   2  375

```

```

patient.history_non_muscle_invasive_blca.non_mibc_tx:
bacillus calmette-guerin (bcg)  transurethral resection alone
                                37                                24
NA's
                                351

```

```
patient.history_non_muscle_invasive_blca.resp_maint_from_bcg_admin_month_dur:
  Min. 1st Qu.  Median    Mean 3rd Qu.  Max.   NA's
  6.0    8.0    12.0    15.8   26.0   27.0   407
```

```
patient.history_of_neoadjuvant_treatment:
  no yes
  402  10
```

```
patient.icd_o_3_histology:
  8010/3 8070/3 8120/3 8130/3 8260/3
    1      1    341    68      1
```

```
patient.informed_consent_verified:
  yes
  412
```

```
patient.initial_pathologic_diagnosis_method:
  endoscopic biopsy          other method, specify:
  45                          53
transurethral resection (turbt) NA's
  306                          8
```

```
patient.karnofsky_performance_score:
  Min. 1st Qu.  Median    Mean 3rd Qu.  Max.   NA's
  30.00  80.00   90.00   83.09  90.00  100.00  276
```

```
patient.lymph_node_examined_count:
  Min. 1st Qu.  Median    Mean 3rd Qu.  Max.   NA's
  0.00  11.00   18.00   27.06  34.00  170.00  109
```

```
patient.lymphovascular_invasion_present:
  no  yes NA's
  132 153 127
```

```
patient.malignant_neoplasm_metastatic_involvement_sites.malignant_neoplasm_metas
  bone lung other NA's
    1    1    1  409
```

```
patient.malignant_neoplasm_metastatic_involvement_sites.malignant_neoplasm_metas
  liver NA's
    1  411
```

```
patient.month_of_form_completion:
  Min. 1st Qu.  Median    Mean 3rd Qu.  Max.
  1.000  4.000   7.000   6.954   9.000  12.000
```

```
patient.neoplasm_histologic_grade:
```

high grade	low grade	NA's
388	21	3

patient.new_tumor_events.new_tumor_event.2.additional_pharmaceutical_therapy:		
no	yes	NA's
11	11	390

patient.new_tumor_events.new_tumor_event.2.additional_radiation_therapy:		
no	yes	NA's
14	8	390

patient.new_tumor_events.new_tumor_event.2.days_to_new_tumor_event_additional_surgery:			
991	2135	3130	NA's
1	1	1	409

patient.new_tumor_events.new_tumor_event.2.days_to_new_tumor_event_after_initial_surgery:						
Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
-775.0	194.8	468.5	626.0	826.0	3086.0	388

patient.new_tumor_events.new_tumor_event.2.new_neoplasm_event_type:		
distant	metastasis	locoregional (urothelial tumor event)
	13	11
NA's		
388		

patient.new_tumor_events.new_tumor_event.2.new_neoplasm_occurrence_anatomic_site:			
pelvis	rectal wall	vagina	NA's
2	1	2	407

patient.new_tumor_events.new_tumor_event.2.new_tumor_event_additional_surgery:		
no	yes	NA's
20	3	389

patient.new_tumor_events.new_tumor_event.3.additional_pharmaceutical_therapy:		
no	yes	NA's
4	6	402

patient.new_tumor_events.new_tumor_event.3.additional_radiation_therapy:		
no	yes	NA's
8	2	402

patient.new_tumor_events.new_tumor_event.3.days_to_new_tumor_event_additional_surgery:	
2298	NA's
1	411

patient.new_tumor_events.new_tumor_event.3.days_to_new_tumor_event_after_initial_surgery:						
Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
157.0	286.8	540.5	831.4	801.8	2420.0	402

patient.new_tumor_events.new_tumor_event.3.new_neoplasm_event_type:	
---	--

```

distant metastasis locoregional (urothelial tumor event)
      8      2
NA's
402

patient.new_tumor_events.new_tumor_event.3.new_neoplasm_occurrence_anatomic_site
adrenal    NA's
      1    411

patient.new_tumor_events.new_tumor_event.3.new_tumor_event_additional_surgery_pr
no  yes NA's
  8   2  402

patient.new_tumor_events.new_tumor_event.4.additional_pharmaceutical_therapy:
no NA's
  4  408

patient.new_tumor_events.new_tumor_event.4.additional_radiation_therapy:
no  yes NA's
  3   1  408

patient.new_tumor_events.new_tumor_event.4.days_to_new_tumor_event_additional_su
2509 NA's
   1  411

patient.new_tumor_events.new_tumor_event.4.days_to_new_tumor_event_after_initial
343  651 2509 2663 NA's
   1   1   1   1  408

patient.new_tumor_events.new_tumor_event.4.new_neoplasm_event_occurrence_anatom
liver lymph node only  other, specify    NA's
      1      1      1      409

patient.new_tumor_events.new_tumor_event.4.new_neoplasm_event_type:
distant metastasis locoregional (urothelial tumor event)
      2      2
NA's
408

patient.new_tumor_events.new_tumor_event.4.new_neoplasm_occurrence_anatomic_site
adrenal    NA's
      1    411

patient.new_tumor_events.new_tumor_event.4.new_tumor_event_additional_surgery_pr
no  yes NA's
  3   1  408

patient.new_tumor_events.new_tumor_event.5.additional_pharmaceutical_therapy:
no NA's
  1  411

patient.new_tumor_events.new_tumor_event.5.additional_radiation_therapy:

```

```

no NA's
1 411

patient.new_tumor_events.new_tumor_event.5.days_to_new_tumor_event_after_initial
2663 NA's
1 411

patient.new_tumor_events.new_tumor_event.5.new_neoplasm_event_occurrence_anatomi
lung NA's
1 411

patient.new_tumor_events.new_tumor_event.5.new_neoplasm_event_type:
distant metastasis NA's
1 411

patient.new_tumor_events.new_tumor_event.5.new_tumor_event_additional_surgery_pr
no NA's
1 411

patient.new_tumor_events.new_tumor_event.additional_pharmaceutical_therapy:
no yes NA's
33 29 350

patient.new_tumor_events.new_tumor_event.additional_radiation_therapy:
no yes NA's
46 16 350

patient.new_tumor_events.new_tumor_event.days_to_new_tumor_event_additional_surg
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
103.0 219.5 521.0 812.3 1586.5 1779.0 400

patient.new_tumor_events.new_tumor_event.days_to_new_tumor_event_after_initial_t
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
16.0 191.5 377.0 536.5 648.5 3086.0 340

patient.new_tumor_events.new_tumor_event.new_neoplasm_event_type:
distant metastasis locoregional (urothelial tumor event)
41 27
new primary tumor NA's
3 341

patient.new_tumor_events.new_tumor_event.new_tumor_event_additional_surgery_pro
no yes NA's
53 12 347

patient.new_tumor_events.new_tumor_event_after_initial_treatment:
no yes NA's
231 71 110

patient.number_of_lymphnodes_positive_by_he:

```

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0.000	0.000	0.000	2.088	2.000	97.000	115

patient.number_pack_years_smoked:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0.15	20.00	30.00	39.04	50.00	730.00	188

patient.person_concomitant_prostate_carcinoma_occurrence_indicator:

no	yes	NA's
255	86	71

patient.person_neoplasm_cancer_status:

tumor free	with tumor	NA's
235	137	40

patient.person_occupation_years_number:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
10.00	20.00	30.00	30.55	38.50	57.00	372

patient.postoperative_rx_tx:

no	yes	NA's
187	78	147

patient.primary_lymph_node_presentation_assessment:

no	yes	NA's
79	296	37

patient.primary_therapy_outcome_success:

complete remission/response	partial remission/response
154	17
progressive disease	stable disease
42	23
NA's	176

patient.prior_dx:

no	yes
303	109

patient.race:

asian	black	or african american	white
44		23	327
NA's			
18			

patient.radiation_therapy:


```

no yes NA's
269 10 133

patient.radiations.radiation.2.anatomic_treatment_site:
distant site local recurrence regional site NA's
1 1 4 406

patient.radiations.radiation.2.day_of_form_completion:
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
5.00 11.00 14.00 17.00 25.25 30.00 406

patient.radiations.radiation.2.days_to_radiation_therapy_end:
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
10.0 187.0 299.0 754.2 662.0 2613.0 407

patient.radiations.radiation.2.days_to_radiation_therapy_start:
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
5.0 200.8 447.5 763.8 858.5 2569.0 406

patient.radiations.radiation.2.measure_of_response:
complete response partial response
1 3
radiographic progressive disease NA's
2 406

patient.radiations.radiation.2.month_of_form_completion:
1 7 11 12 NA's
1 2 1 2 406

patient.radiations.radiation.2.numfractions:
5 10 NA's
1 2 409

patient.radiations.radiation.2.radiation_dosage:
50 60 2000 3000 NA's
1 1 1 2 407

patient.radiations.radiation.2.radiation_treatment_ongoing:
no NA's
6 406

patient.radiations.radiation.2.radiation_type:
external internal NA's
5 1 406

patient.radiations.radiation.2.units:
cgy gy NA's
3 2 407

patient.radiations.radiation.2.year_of_form_completion:

```

2012	2013	2014	NA's	
1	1	4	406	

patient.radiations.radiation.3.anatomic_treatment_site:
regional site NA's
1 411

patient.radiations.radiation.3.bcr_radiation_barcode:
tcga-fj-a3ze-r56453 NA's
1 411

patient.radiations.radiation.3.bcr_radiation_uuid:
023ba78f-c50f-4e6a-abb2-9f1c9bfa1b47 NA's
1 411

patient.radiations.radiation.3.day_of_form_completion:
7 NA's
1 411

patient.radiations.radiation.3.days_to_radiation_therapy_end:
99 NA's
1 411

patient.radiations.radiation.3.days_to_radiation_therapy_start:
56 NA's
1 411

patient.radiations.radiation.3.measure_of_response:
radiographic progressive disease NA's
1 411

patient.radiations.radiation.3.month_of_form_completion:
2 NA's
1 411

patient.radiations.radiation.3.numfractions:
28 NA's
1 411

patient.radiations.radiation.3.radiation_dosage:
5600 NA's
1 411

patient.radiations.radiation.3.radiation_treatment_ongoing:
no NA's
1 411

patient.radiations.radiation.3.radiation_type:
external NA's
1 411

patient.radiations.radiation.3.units:

```

cgy NA's
  1  411

patient.radiations.radiation.3.year_of_form_completion:
2014 NA's
  1  411

patient.radiations.radiation.course_number:
  1 NA's
  3  409

patient.radiations.radiation.day_of_form_completion:
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.    NA's
  2.00  10.00   15.00   17.54  27.00   31.00   373

patient.radiations.radiation.days_to_radiation_therapy_end:
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.    NA's
  10.0   131.0   235.0   328.1  397.0  1871.0   375

patient.radiations.radiation.days_to_radiation_therapy_start:
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.    NA's
   5.0   107.0   174.0   301.6  369.0  1821.0   375

patient.radiations.radiation.measure_of_response:
           complete response           partial response
                    11                               5
radiographic progressive disease           stable disease
                    9                               3
                    NA's
                    384

patient.radiations.radiation.month_of_form_completion:
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.    NA's
  1.000   3.000   6.000   5.667   7.500  12.000   373

patient.radiations.radiation.numfractions:
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.    NA's
   3.00   10.00   14.00   17.22   25.00   35.00   385

patient.radiations.radiation.radiation_dosage:
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.    NA's
  20.00   42.75   64.00 1598.19 3000.00 5940.00   380

patient.radiations.radiation.radiation_treatment_ongoing:
  no NA's
  39  373

patient.radiations.radiation.radiation_type:
           external           external beam other: specify in notes

```

		35		1		1
		NA's				
		375				

patient.radiations.radiation.radiation_type_notes:

cyberknife		NA's				
	1	411				

patient.radiations.radiation.regimen_indication:

palliative	progression	recurrence		NA's		
	1	1	1	409		

patient.radiations.radiation.units:

cgy	gy	NA's				
13	18	381				

patient.radiations.radiation.year_of_form_completion:

2012	2013	2014	2015	NA's		
7	7	16	9	373		

patient.stage_event.gleason_grading.gleason_score:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
5.000	6.000	6.000	6.353	7.000	9.000	327

patient.stage_event.pathologic_stage:

stage i	stage ii	stage iii	stage iv	NA's	
2	131	141	136	2	

patient.stage_event.tnm_categories.pathologic_categories.pathologic_m:

m0	m1	mx	NA's	
196	11	203	2	

patient.stopped_smoking_year:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1946	1976	1988	1989	2004	2013	238

patient.tissue_prospective_collection_indicator:

no	yes	
200	212	

patient.tissue_retrospective_collection_indicator:

no	yes	NA's
211	200	1

patient.tumor_tissue_site:

bladder

412

patient.vital_status:

alive	dead
303	109

patient.weight:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
41.00	65.00	78.00	80.98	92.00	292.00	43

patient.year_of_form_completion:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.
2010	2012	2013	2013	2014	2015

patient.year_of_initial_pathologic_diagnosis:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1999	2009	2011	2010	2012	2013	18

patient.bcr_canonical_check.bcr_patient_canonical_reasons.bcr_canonical_reason.2

case matched methylation control	germline comparison
14	1
NA's	
397	

patient.bcr_canonical_check.bcr_patient_canonical_reasons.bcr_canonical_reason.3

germline comparison	NA's
8	404

patient.bcr_canonical_check.bcr_patient_canonical_status:

canonical	canonical - plus
382	30

patient.biospecimen_cqcf.consent_or_death_status:

consented	deceased
391	21

patient.biospecimen_cqcf.days_to_pathology_review:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
-6.00	74.75	223.00	851.50	1401.50	4912.00	24

patient.biospecimen_cqcf.days_to_sample_procurement:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
-64.00	11.00	36.00	63.88	66.00	1361.00	19

patient.biospecimen_cqcf.digital_image_submitted:

no	yes
383	29

patient.biospecimen_cqcf.ethnicity:

hispanic or latino	not hispanic or latino	NA's
--------------------	------------------------	------

	6	213	193
--	---	-----	-----

patient.biospecimen_cqcf.ffpe_tumor_slide_submitted:

digital image	slide	NA's
5	85	322

patient.biospecimen_cqcf.histological_type:

muscle invasive urothelial carcinoma (pt2 or above)	410
	NA's
	2

patient.biospecimen_cqcf.history_of_neoadjuvant_treatment:

	no
	402
yes, pharmaceutical treatment prior to resection	10

patient.biospecimen_cqcf.method_of_sample_procurement:

	cystectomy	other (please specify)
	303	51
transurethral resection (turbt)	58	

patient.biospecimen_cqcf.normal_controls.normal_control.2.days_to_normal_sample

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
-3.00	25.50	40.50	48.75	59.75	221.00	372

patient.biospecimen_cqcf.normal_controls.normal_control.2.extracted_dna.ncedna_d

0.043	0.439	NA's
1	1	410

patient.biospecimen_cqcf.normal_controls.normal_control.2.extracted_dna.ncedna_d

cdrop	nanodrop	NA's
1	1	410

patient.biospecimen_cqcf.normal_controls.normal_control.2.extracted_dna.ncedna_d

15	NA's
2	410

patient.biospecimen_cqcf.normal_controls.normal_control.2.extracted_dna.ncedna_d

34.1	351	NA's
1	1	410

patient.biospecimen_cqcf.normal_controls.normal_control.2.method_of_normal_sampl

	blood draw	surgical excision	specimen
	21		17
	surgical resection		NA's
	3		371

patient.biospecimen_cqcf.normal_controls.normal_control.2.normal_tissue.normal_t			
bladder; macroscopic urothelial tissue			other
	12		1
	smooth muscle		NA's
	7		392

patient.biospecimen_cqcf.normal_controls.normal_control.2.normal_tissue.normal_t		
distal (>2cm)	NA's	
	20	392

patient.biospecimen_cqcf.normal_controls.normal_control.2.vial_number:		
1	2	NA's
37	18	357

patient.biospecimen_cqcf.normal_controls.normal_control.3.days_to_normal_sample						
Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
-24.00	22.50	37.50	116.70	44.25	935.00	402

patient.biospecimen_cqcf.normal_controls.normal_control.3.method_of_normal_sampl			
	blood draw	surgical excision	specimen
	8		2
	NA's		
	402		

patient.biospecimen_cqcf.normal_controls.normal_control.3.normal_tissue.normal_t		
bladder; macroscopic urothelial tissue		smooth muscle
	1	1
	NA's	
	410	

patient.biospecimen_cqcf.normal_controls.normal_control.3.normal_tissue.normal_t		
distal (>2cm)	NA's	
	2	410

patient.biospecimen_cqcf.normal_controls.normal_control.3.vial_number:		
1	3	NA's
10	1	401

patient.biospecimen_cqcf.normal_controls.normal_control.4.days_to_normal_sample						
Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
-24.0	-1.5	33.0	170.5	52.5	935.0	406

patient.biospecimen_cqcf.normal_controls.normal_control.4.method_of_normal_sampl		
blood draw	NA's	
	6	406

patient.biospecimen_cqcf.normal_controls.normal_control.4.vial_number:		
2	4	NA's
6	1	405

```

patient.biospecimen_cqcf.normal_controls.normal_control.5.bcr_sample_uuid:
85aeb98d-aa43-46f9-9af8-665f65617eff ead2cb20-f83f-435d-bbe6-7e22211c8520
                                     1                                     1
f03e629a-9f75-4711-97ba-1f7fb12f643d                                     NA's
                                     1                                     409

```

```

patient.biospecimen_cqcf.normal_controls.normal_control.5.days_to_normal_sample_
-9  45  55 NA's
  1   1   1  409

```

```

patient.biospecimen_cqcf.normal_controls.normal_control.5.method_of_normal_sampl
blood draw          NA's
                   3      409

```

```

patient.biospecimen_cqcf.normal_controls.normal_control.5.vial_number:
  3 NA's
  3  409

```

```

patient.biospecimen_cqcf.normal_controls.normal_control.6.bcr_sample_uuid:
17fae696-d6b4-4524-b1fb-3b86a930ae29 975d9b1d-9dfe-428f-b6f6-04fcf4f45c85
                                     1                                     1
                                     NA's
                                     410

```

```

patient.biospecimen_cqcf.normal_controls.normal_control.6.days_to_normal_sample_
-9  55 NA's
  1   1  410

```

```

patient.biospecimen_cqcf.normal_controls.normal_control.6.method_of_normal_sampl
blood draw          NA's
                   2      410

```

```

patient.biospecimen_cqcf.normal_controls.normal_control.6.vial_number:
  1 NA's
  2  410

```

```

patient.biospecimen_cqcf.normal_controls.normal_control.7.bcr_sample_uuid:
15e027b6-c6bd-4c88-bfb3-6e61339531cd 73aa1b8e-0fe3-4594-94bc-5d774a4de2ab
                                     1                                     1
                                     NA's
                                     410

```

```

patient.biospecimen_cqcf.normal_controls.normal_control.7.days_to_normal_sample_
-9  55 NA's
  1   1  410

```

```

patient.biospecimen_cqcf.normal_controls.normal_control.7.method_of_normal_sampl
blood draw          NA's
                   2      410

```

```

patient.biospecimen_cqcf.normal_controls.normal_control.7.vial_number:
  2 NA's

```


2 410

patient.biospecimen_cqcf.normal_controls.normal_control.days_to_normal_sample_pr

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
-363.0	16.0	40.0	173.7	80.0	4670.0	29

patient.biospecimen_cqcf.normal_controls.normal_control.extracted_dna.ncedna_dna

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0.0550	0.1765	0.2440	20.7232	0.3765	709.0000	322

patient.biospecimen_cqcf.normal_controls.normal_control.extracted_dna.ncedna_dna

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
10.2	30.0	50.0	107.4	184.8	986.4	322

patient.biospecimen_cqcf.normal_controls.normal_control.extracted_dna.ncedna_dna

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
25.0	109.9	222.2	467.6	1200.0	1200.0	322

patient.biospecimen_cqcf.normal_controls.normal_control.normal_tissue.normal_tis
bladder; macroscopic urothelial tissue

	2	11
smooth muscle		NA's
	29	370

patient.biospecimen_cqcf.normal_controls.normal_control.normal_tissue.normal_tis
distal (>2cm)

	NA's
39	373

patient.biospecimen_cqcf.normal_controls.normal_control.vial_number:

1	2	NA's
401	5	6

patient.biospecimen_cqcf.path_confirm_diagnosis_matching:

no	yes
12	400

patient.biospecimen_cqcf.path_confirm_report_attached:

no	yes
18	394

patient.biospecimen_cqcf.path_confirm_tumor_necrosis_metrics:

no	yes
1	411

patient.biospecimen_cqcf.path_confirm_tumor_nuclei_metrics:

no	yes
1	411

```

patient.biospecimen_cqcf.race:
    asian black or african american          white
      29                                7          194
    NA's
    182

patient.biospecimen_cqcf.reason_path_confirm_diagnosis_not_matching:
    macrodissection performed at tss to select f
    macrodissection performed at tss to select for a region containi
    pathology analysis at tss determined a specific histological subtype different
    pathology review of frozen section for tcga determined histological subtype diff

patient.biospecimen_cqcf.sample_prescreened:
yes
412

patient.biospecimen_cqcf.site_of_disease:
bladder
    412

patient.biospecimen_cqcf.submitted_for_lce:
    no  yes  NA's
    268  27  117

patient.biospecimen_cqcf.top_slide_submitted:
    no  yes
    31  381

patient.biospecimen_cqcf.tumor_samples.tumor_sample.2.tumor_necrosis_percent:
    0    5  NA's
    3    1  408

patient.biospecimen_cqcf.tumor_samples.tumor_sample.2.tumor_nuclei_percent:
    70   80   90  100  NA's
    1    1    1    1  408

patient.biospecimen_cqcf.tumor_samples.tumor_sample.2.tumor_weight:
    200  210  217  270  NA's
    1    1    1    1  408

patient.biospecimen_cqcf.tumor_samples.tumor_sample.2.vial_number:
    1    2  NA's
    4    1  407

```

patient.biospecimen_cqcf.tumor_samples.tumor_sample.3.bcr_sample_uuid:
 657e5c7f-7601-4948-a088-d23ea5d95b2c NA's
 1 411

patient.biospecimen_cqcf.tumor_samples.tumor_sample.3.vial_number:
 3 NA's
 1 411

patient.biospecimen_cqcf.tumor_samples.tumor_sample.tumor_necrosis_percent:
 Min. 1st Qu. Median Mean 3rd Qu. Max.
 0.000 0.000 1.000 7.328 10.000 70.000

patient.biospecimen_cqcf.tumor_samples.tumor_sample.tumor_nuclei_percent:
 Min. 1st Qu. Median Mean 3rd Qu. Max.
 35.00 70.00 80.00 76.17 85.00 100.00

patient.biospecimen_cqcf.tumor_samples.tumor_sample.tumor_weight:
 Min. 1st Qu. Median Mean 3rd Qu. Max.
 6.0 190.0 240.0 342.9 387.8 3274.0

patient.biospecimen_cqcf.tumor_samples.tumor_sample.vial_number:
 1
 412

patient.biospecimen_cqcf.vessel_used:
 biospecimen storage bag cassette cryomold
 30 80 81
 cryovial other (please specify)
 141 80

patient.days_to_index:
 0 NA's
 393 19

patient.samples.sample.2.bcr_biospecimen_canonical_reasons.bcr_canonical_reason:
 primary tumor and metastatic tumor(s) NA's
 1 411

patient.samples.sample.2.days_to_collection:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 14 139 316 911 1434 4919 19

patient.samples.sample.2.initial_weight:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 40.0 197.5 245.0 494.0 390.0 3800.0 392

patient.samples.sample.2.is_ffpe:
 no yes

409 3

```
patient.samples.sample.2.oct_embedded:
false true
395 17
```

```
patient.samples.sample.2.pathology_report_file_name:
tcga-bl-a0c8.5077d8c6-57d2-4c6a-9316-71be40224195.pdf 1
tcga-bl-a13i.976fbdbf-55c5-4957-986b-d2de85ff7540.pdf 1
tcga-bl-a13j.3abf8c6b-606c-41a9-b050-e115834a7616.pdf 1
tcga-dk-ala6.fa3a7697-0e2c-4c79-b486-0aae52065be3.pdf 1
NA's
408
```

```
patient.samples.sample.2.pathology_report_uuid:
3abf8c6b-606c-41a9-b050-e115834a7616 5077d8c6-57d2-4c6a-9316-71be40224195 1 1
976fbdbf-55c5-4957-986b-d2de85ff7540 fa3a7697-0e2c-4c79-b486-0aae52065be3 1 1
NA's
408
```

```
patient.samples.sample.2.portions.portion.analytes.analyte.2.a260_a280_ratio:
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
1.710 1.775 1.820 1.815 1.860 1.910 401
```

```
patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.2.
fppp NA's
3 409
```

```
patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.2.
tcga NA's
3 409
```

```
patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.2.
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
97491253 97491278 113390007 116511658 132179172 167823137 401
```

```
patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.2.
7 13 NA's
6 5 401
```

```
patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.2.
0.13 0.16 0.17 NA's
1 7 3 401
```

```

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.2.
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.   NA's
  3.00   3.00   13.00   11.73  15.50   27.00   401

```

```

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.2.
  no  yes NA's
   8   3  401

```

```

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.2.
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.   NA's
  1.000  3.000   5.000   4.636  5.500   9.000   401

```

```

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.2.
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.   NA's
  1.000  2.000   5.000   3.909  5.500   7.000   401

```

```

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.2.
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.   NA's
  2.080  2.900   3.400   3.379  4.270   4.270   401

```

```

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.2.
  23 NA's
  11  401

```

```

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.2.
  13  20 26.7 NA's
   2   5   4  401

```

```

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.2.
  2011 2013 2014 NA's
    7   3   1  401

```

```

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.3.
tcga-bl-a0c8-01b-04r-a46x-36 tcga-bl-a13j-01b-04r-a46x-36
                                1                                1
tcga-dk-ala6-06a-11r-a466-07                                NA's
                                1                                409

```

```

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.3.
1b11b644-f9d9-4ba5-9beb-ce054c0e0f86 2c6edcfe-bc3b-4e96-8c5e-7b49fd566050
                                1                                1
54bc6778-9c1c-4db6-8764-79ccd841f566                                NA's
                                1                                409

```

```

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.3.
167812948 167814186 167814191    NA's
          1          1          1    409

```

```

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.3.
  7  36 NA's

```

```

1      2      409

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.3.
0.16 0.17 NA's
1      2      409

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.3.
9      26 NA's
1      2      409

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.3.
no  yes NA's
1      2      409

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.3.
8      12 NA's
2      1      409

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.3.
1      5      6 NA's
1      1      1  409

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.3.
a466 a46x NA's
1      2      409

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.3.
d      e NA's
1      2      409

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.3.
0.8 0.85 1.12 NA's
1      1      1  409

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.3.
23 NA's
3      409

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.3.
5      6.6 NA's
2      1      409

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.3.
2014 2015 NA's
1      2      409

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.ad
fppp NA's
3      409

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.ad
tcga NA's

```

3 409

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.bi
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 97490606 122968432 150706080 144261464 167803013 167822561 46

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.ce
 7 8 13 NA's
 5 355 6 46

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.co
 0.13 0.16 0.17 0.5 NA's
 1 7 3 355 46

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.da
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 1.0 8.0 15.5 15.3 22.0 30.0 46

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.is
 no yes NA's
 363 3 46

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.mo
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 1.00 5.00 7.00 6.06 7.00 12.00 46

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.pl
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 1.000 2.000 6.000 6.068 9.000 12.000 46

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.qu
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 2.08 40.00 40.00 38.88 40.00 40.00 46

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.so
 23 NA's
 366 46

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.vo
 13 20 26.7 80 NA's
 4 6 1 355 46

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.ye
 2011 2012 2013 2014 NA's
 49 84 78 155 46

patient.samples.sample.2.portions.portion.analytes.analyte.2.amount:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's

6.17 10.76 14.22 26.45 44.77 57.79 401

patient.samples.sample.2.portions.portion.analytes.analyte.2.analyte_type:
 repli-g (qiagen) dna rna NA's
 355 11 46

patient.samples.sample.2.portions.portion.analytes.analyte.2.analyte_type_id:
 r w NA's
 11 355 46

patient.samples.sample.2.portions.portion.analytes.analyte.2.concentration:
 0.13 0.16 0.17 NA's
 1 7 3 401

patient.samples.sample.2.portions.portion.analytes.analyte.2.dna.normal_tumor_ge
 yes NA's
 355 57

patient.samples.sample.2.portions.portion.analytes.analyte.2.dna.pcr_amplificati
 yes NA's
 355 57

patient.samples.sample.2.portions.portion.analytes.analyte.2.gel_image_file:
<https://sharedoc.nchri.org/tcga-bcr/default.aspx>
 366
 NA's
 46

patient.samples.sample.2.portions.portion.analytes.analyte.2.is_derived_from_ffp
 no yes NA's
 363 3 46

patient.samples.sample.2.portions.portion.analytes.analyte.2.protocols.protocol.
 highpure mirna (allprep dna) ffpe rna mirvana (allprep dna) rna
 3 8
 repli-g NA's
 355 46

patient.samples.sample.2.portions.portion.analytes.analyte.2.rna.ratio_28s_18s:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 0.000 0.500 1.200 1.006 1.280 2.200 401

patient.samples.sample.2.portions.portion.analytes.analyte.2.rna.rinvalue:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 2.300 4.750 7.800 6.464 8.150 9.000 401

patient.samples.sample.2.portions.portion.analytes.analyte.2.spectrophotometer_m
 uv spec NA's
 11 401


```

patient.samples.sample.2.portions.portion.analytes.analyte.2.subportion_sequence
  1      2 NA's
24      2 386

```

```

patient.samples.sample.2.portions.portion.analytes.analyte.3.aliquots.aliquot.bi
  Min.  1st Qu.  Median    Mean  3rd Qu.    Max.    NA's
108433927 113388440 113420020 112699495 113421860 113421918    405

```

```

patient.samples.sample.2.portions.portion.analytes.analyte.3.aliquots.aliquot.ce
  8 NA's
  7 405

```

```

patient.samples.sample.2.portions.portion.analytes.analyte.3.aliquots.aliquot.co
  0.5 NA's
  7 405

```

```

patient.samples.sample.2.portions.portion.analytes.analyte.3.aliquots.aliquot.da
  6  15  20  21 NA's
  1   1   1   4 405

```

```

patient.samples.sample.2.portions.portion.analytes.analyte.3.aliquots.aliquot.is
  no NA's
  7 405

```

```

patient.samples.sample.2.portions.portion.analytes.analyte.3.aliquots.aliquot.mo
  4   6   9  11 NA's
  1   4   1   1 405

```

```

patient.samples.sample.2.portions.portion.analytes.analyte.3.aliquots.aliquot.pl
  7   8  11 NA's
  4   2   1 405

```

```

patient.samples.sample.2.portions.portion.analytes.analyte.3.aliquots.aliquot.pl
a12w a16j a18a a19s NA's
  1   4   1   1 405

```

```

patient.samples.sample.2.portions.portion.analytes.analyte.3.aliquots.aliquot.qu
  40 NA's
  7 405

```

```

patient.samples.sample.2.portions.portion.analytes.analyte.3.aliquots.aliquot.so
  23 NA's
  7 405

```

```

patient.samples.sample.2.portions.portion.analytes.analyte.3.aliquots.aliquot.vo
  80 NA's
  7 405

```

```

patient.samples.sample.2.portions.portion.analytes.analyte.3.aliquots.aliquot.ye

```

2011 NA's
7 405

patient.samples.sample.2.portions.portion.analytes.analyte.3.analyte_type:
repli-g (qiagen) dna NA's
7 405

patient.samples.sample.2.portions.portion.analytes.analyte.3.analyte_type_id:
w NA's
7 405

patient.samples.sample.2.portions.portion.analytes.analyte.3.dna.normal_tumor_ge
yes NA's
7 405

patient.samples.sample.2.portions.portion.analytes.analyte.3.dna.pcr_amplificati
yes NA's
7 405

patient.samples.sample.2.portions.portion.analytes.analyte.3.gel_image_file:
<https://sharedoc.nchri.org/tcga-bcr/default.aspx>
7
NA's
405

patient.samples.sample.2.portions.portion.analytes.analyte.3.is_derived_from_ffp
no NA's
7 405

patient.samples.sample.2.portions.portion.analytes.analyte.3.protocols.protocol.
repli-g NA's
7 405

patient.samples.sample.2.portions.portion.analytes.analyte.3.subportion_sequence
1 NA's
7 405

patient.samples.sample.2.portions.portion.analytes.analyte.a260_a280_ratio:
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
1.760 1.895 1.945 1.939 1.980 2.110 378

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.2.ad
fppp NA's
3 409

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.2.ad
tcga NA's
3 409

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.2.bi
 Min. 1st Qu. Median Mean 3rd Qu. Max.
 97484813 122967204 153878363 144803296 164106186 174164734

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.2.ce
 1 2 5 8
 38 3 1 370

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.2.co
 Min. 1st Qu. Median Mean 3rd Qu. Max.
 0.07000 0.07000 0.08000 0.08502 0.08000 0.20000

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.2.da
 Min. 1st Qu. Median Mean 3rd Qu. Max.
 3.0 18.0 26.0 22.5 29.0 31.0

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.2.is
 no yes
 409 3

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.2.mo
 Min. 1st Qu. Median Mean 3rd Qu. Max.
 1.000 3.000 4.000 4.869 6.000 12.000

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.2.pl
 Min. 1st Qu. Median Mean 3rd Qu. Max.
 1.000 2.000 6.000 5.883 9.000 12.000

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.2.qu
 Min. 1st Qu. Median Mean 3rd Qu. Max.
 0.770 2.800 3.200 2.834 3.200 3.600

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.2.so
 23
 412

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.2.vo
 Min. 1st Qu. Median Mean 3rd Qu. Max.
 6.67 40.00 40.00 36.29 40.00 40.00

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.2.ye
 2011 2012 2013 2014
 55 94 92 171

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.3.ad
 fppp NA's
 2 410

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.3.ad

tcga NA's
2 410

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.3.bi
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
97486989 113388216 117830960 118110558 122970312 174164674 277

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.3.ce
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
1.00 8.00 26.00 17.41 26.00 26.00 277

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.3.co
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
0.0500 0.0900 0.1500 0.1342 0.1600 0.1700 277

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.3.da
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
3.00 7.00 27.00 19.39 29.00 31.00 277

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.3.is
no yes NA's
133 2 277

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.3.mo
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
1.00 3.00 5.00 5.17 8.00 12.00 277

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.3.pl
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
2.000 7.000 8.000 8.281 10.000 12.000 277

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.3.qu
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
0.930 1.500 1.600 1.998 3.200 4.000 277

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.3.sc
23 NA's
135 277

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.3.vo
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
6.67 10.00 10.00 18.37 40.00 40.00 277

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.3.ye
2011 2012 2013 2014 NA's
54 77 2 2 277

```

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.4.bi
  Min. 1st Qu.  Median      Mean 3rd Qu.    Max.    NA's
99039608 100475901 113421396 122338000 132158658 167811833      394

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.4.ce
  5   8   9 NA's
10  5   3 394

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.4.co
  Min. 1st Qu.  Median      Mean 3rd Qu.    Max.    NA's
0.0700 0.0800 0.1450 0.1233 0.1600 0.1800      394

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.4.da
  Min. 1st Qu.  Median      Mean 3rd Qu.    Max.    NA's
3.00   3.00 16.50 14.33 21.00 30.00      394

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.4.is
no  yes NA's
16   2 394

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.4.mo
  Min. 1st Qu.  Median      Mean 3rd Qu.    Max.    NA's
1.000  1.000  5.000  4.111  5.750  9.000      394

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.4.pl
  Min. 1st Qu.  Median      Mean 3rd Qu.    Max.    NA's
1.000  6.250  7.000  6.333  7.000 11.000      394

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.4.qu
  Min. 1st Qu.  Median      Mean 3rd Qu.    Max.    NA's
0.940  1.600  2.015  2.598  4.205  4.540      394

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.4.so
23 NA's
18 394

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.4.vo
13 13.4 20 26.7 NA's
 3   3   5   7 394

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.4.ye
2011 2013 2015 NA's
10   3   5 394

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.5.bo
tcga-bt-a20v-11a-11d-a23d-05      NA's
                                1      411

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.5.bo

```

e5d1dd4e-47ed-484e-abad-c44424764ddc NA's
1 411

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.5.bi
132268714 NA's
1 411

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.5.ce
5 NA's
1 411

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.5.co
0.16 NA's
1 411

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.5.da
31 NA's
1 411

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.5.is
no NA's
1 411

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.5.mo
7 NA's
1 411

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.5.pl
8 NA's
1 411

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.5.pl
a23d NA's
1 411

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.5.pl
f NA's
1 411

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.5.qu
6.4 NA's
1 411

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.5.so
23 NA's
1 411

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.5.vo
40 NA's
1 411

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.5.ye

2012 NA's
1 411

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.addi
fppp NA's
3 409

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.addi
tcga NA's
3 409

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.bios
Min. 1st Qu. Median Mean 3rd Qu. Max.
97486797 122969676 153879396 145100203 164104510 174164729

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.cent
1 2 8
363 46 3

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.conc
Min. 1st Qu. Median Mean 3rd Qu. Max.
0.0700 0.1400 0.1500 0.1532 0.1600 0.2000

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.day_
Min. 1st Qu. Median Mean 3rd Qu. Max.
1.00 18.00 25.00 21.92 29.00 31.00

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.is_d
no yes
409 3

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.mont
Min. 1st Qu. Median Mean 3rd Qu. Max.
1.000 3.000 4.000 4.888 6.000 12.000

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.plat
Min. 1st Qu. Median Mean 3rd Qu. Max.
1.000 2.000 6.000 5.883 9.000 12.000

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.quan
Min. 1st Qu. Median Mean 3rd Qu. Max.
0.94 1.01 1.01 1.13 1.07 2.34

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.sour
23
412

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.vol

6.7 7 10 13 20
362 1 15 31 3

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.year
2011 2012 2013 2014
55 94 92 171

patient.samples.sample.2.portions.portion.analytes.analyte.amount:
Min. 1st Qu. Median Mean 3rd Qu. Max.
5.30 14.73 26.19 32.75 45.80 178.36

patient.samples.sample.2.portions.portion.analytes.analyte.analyte_type:
dna
412

patient.samples.sample.2.portions.portion.analytes.analyte.analyte_type_id:
d
412

patient.samples.sample.2.portions.portion.analytes.analyte.concentration:
Min. 1st Qu. Median Mean 3rd Qu. Max.
0.1100 0.1500 0.1500 0.1538 0.1600 0.2000

patient.samples.sample.2.portions.portion.analytes.analyte.dna.normal_tumor_genome
yes
412

patient.samples.sample.2.portions.portion.analytes.analyte.dna.pcr_amplification
yes
412

patient.samples.sample.2.portions.portion.analytes.analyte.gel_image_file:
<https://sharedoc.nchri.org/tcga-bcr/default.aspx>
412

patient.samples.sample.2.portions.portion.analytes.analyte.is_derived_from_ffpe:
no yes
409 3

patient.samples.sample.2.portions.portion.analytes.analyte.protocols.protocol.extra_data:
adna preparation type allprep ffpe dna
308 3
pre-extracted dna received by tss
101

patient.samples.sample.2.portions.portion.analytes.analyte.spectrophotometer_method:
picogreen uv spec
378 34

patient.samples.sample.2.portions.portion.analytes.analyte.subportion_sequence:

1 2 NA's
25 3 384

patient.samples.sample.2.portions.portion.day_of_creation:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.
1.00	7.75	15.00	16.03	25.00	31.00

patient.samples.sample.2.portions.portion.is_ffpe:

no	yes
409	3

patient.samples.sample.2.portions.portion.month_of_creation:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.
1.000	2.000	4.000	5.189	8.000	12.000

patient.samples.sample.2.portions.portion.portion_number:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.
1.000	1.000	1.000	1.973	1.000	31.000

patient.samples.sample.2.portions.portion.portion_sequence:

1	2	3	4	NA's
240	8	2	3	159

patient.samples.sample.2.portions.portion.slides.slide.2.bcr_slide_barcode:

tcga-bl-a0c8-01b-04-bs4	tcga-bl-a13i-01b-04-bs4	tcga-bl-a13j-01b-04-bs4
	1	1
	NA's	
	409	

patient.samples.sample.2.portions.portion.slides.slide.2.bcr_slide_uuid:

0d55c909-15b8-464c-a663-6cb80d28c82c	1061ba91-692b-4183-b473-99236fa21899
	1
8ab97d27-3fb1-41c1-aad9-ab244adb4bce	NA's
	409

patient.samples.sample.2.portions.portion.slides.slide.2.image_file_name:

tcga-bl-a0c8-01b-04-bs4.8ab97d27-3fb1-41c1-aad9-ab244adb4bce.svs	1
tcga-bl-a13i-01b-04-bs4.0d55c909-15b8-464c-a663-6cb80d28c82c.svs	1
tcga-bl-a13j-01b-04-bs4.1061ba91-692b-4183-b473-99236fa21899.svs	1
	NA's
	409

patient.samples.sample.2.portions.portion.slides.slide.2.is_derived_from_ffpe:

yes	NA's
3	409

patient.samples.sample.2.portions.portion.slides.slide.2.percent_lymphocyte_infi

```

0 NA's
3 409

patient.samples.sample.2.portions.portion.slides.slide.2.percent_monocyte_infiltration:
0 NA's
3 409

patient.samples.sample.2.portions.portion.slides.slide.2.percent_necrosis:
0 5 NA's
2 1 409

patient.samples.sample.2.portions.portion.slides.slide.2.percent_neutrophil_infiltration:
0 NA's
3 409

patient.samples.sample.2.portions.portion.slides.slide.2.percent_normal_cells:
0 15 NA's
2 1 409

patient.samples.sample.2.portions.portion.slides.slide.2.percent_stromal_cells:
5 10 20 NA's
1 1 1 409

patient.samples.sample.2.portions.portion.slides.slide.2.percent_tumor_cells:
80 85 NA's
2 1 409

patient.samples.sample.2.portions.portion.slides.slide.2.percent_tumor_nuclei:
80 90 95 NA's
1 1 1 409

patient.samples.sample.2.portions.portion.slides.slide.2.section_location:
bottom NA's
3 409

patient.samples.sample.2.portions.portion.slides.slide.is_derived_from_ffpe:
no yes NA's
21 3 388

patient.samples.sample.2.portions.portion.slides.slide.percent_lymphocyte_infiltration:
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
0.000 0.000 0.000 2.333 1.250 30.000 388

patient.samples.sample.2.portions.portion.slides.slide.percent_monocyte_infiltration:
0 NA's
24 388

patient.samples.sample.2.portions.portion.slides.slide.percent_necrosis:
0 5 NA's

```

```

23      1  388

patient.samples.sample.2.portions.portion.slides.slide.percent_neutrophil_infiltration:
  0      5 NA's
23      1  388

patient.samples.sample.2.portions.portion.slides.slide.percent_normal_cells:
  0  15  20  100 NA's
11   1   1  11  388

patient.samples.sample.2.portions.portion.slides.slide.percent_stromal_cells:
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.    NA's
  0.00   0.00   2.50  38.12 100.00 100.00   388

patient.samples.sample.2.portions.portion.slides.slide.percent_tumor_cells:
  0  80  85  100 NA's
20   2   1   1  388

patient.samples.sample.2.portions.portion.slides.slide.percent_tumor_nuclei:
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.    NA's
  0.00   0.00   0.00  13.96   0.00  95.00   388

patient.samples.sample.2.portions.portion.slides.slide.section_location:
top NA's
24  388

patient.samples.sample.2.portions.portion.weight:
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.    NA's
  2.00   2.00   2.00  10.45   2.00  400.00   104

patient.samples.sample.2.portions.portion.year_of_creation:
2010 2011 2012 2013 2014
  20   53   84  107  148

patient.samples.sample.2.sample_type:
blood derived normal          metastatic          primary tumor
                388                                1                    3
solid tissue normal
                20

patient.samples.sample.2.sample_type_id:
  1   6  10  11
  3   1 388  20

patient.samples.sample.3.bcr_biospecimen_canonical_reasons.bcr_canonical_reason:
germline comparison          NA's
                7                    405

patient.samples.sample.3.days_to_collection:

```

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
76	123	154	212	235	874	393

patient.samples.sample.3.initial_weight:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
50.0	100.0	130.0	187.3	215.0	490.0	397

patient.samples.sample.3.is_ffpe:

no NA's
19 393

patient.samples.sample.3.oct_embedded:

false true NA's
12 7 393

patient.samples.sample.3.portions.portion.analytes.analyte.2.a260_a280_ratio:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1.780	1.820	1.840	1.839	1.865	1.880	401

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.2.
case matched expression control

1 NA's
411

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.2.

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
100491801	115624498	117832676	124436879	134303165	150756695	401

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.2.

7 13 NA's
3 8 401

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.2.

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0.1300	0.1550	0.1600	0.1618	0.1750	0.1800	401

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.2.

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
12.00	25.50	27.00	25.36	28.50	31.00	401

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.2.

no NA's
11 401

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.2.

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1.000	4.000	6.000	5.182	6.500	9.000	401

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.2.

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1.000	3.000	4.000	4.455	5.500	10.000	401

```

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.2
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.   NA's
  2.080  2.470  3.000  2.918  3.300  3.600   401

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.2.
  23 NA's
  11 401

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.2.
  13  20 NA's
  3   8 401

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.2.
  2011 2012 2013 NA's
  3    5   3 401

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.bo
case matched expression control                                     NA's
                                     1                                     411

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.bi
  Min.  1st Qu.  Median    Mean  3rd Qu.    Max.   NA's
  97490975 113396671 130615875 130133789 151834247 167802542   394

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.ce
  7   8  13 NA's
  8   7   3 394

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.co
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.   NA's
  0.1300 0.1600 0.1800 0.2933 0.5000 0.5000   394

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.da
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.   NA's
  3.00  13.25  24.00  20.61  27.00  31.00   394

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.is
no NA's
  18 394

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.mo
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.   NA's
  1.000  4.000  6.000  5.611  7.000 10.000   394

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.pl
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.   NA's
  1.000  4.000  5.500  6.278  9.750 12.000   394

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patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.qu
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.   NA's
  1.950  2.243  3.335  17.134  40.000  40.000   394

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.so
  23 NA's
  18 394

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.vo
  13  20 26.7  80 NA's
   7   3   1   7 394

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.ye
2011 2012 2013 2014 NA's
   6   5   6   1 394

patient.samples.sample.3.portions.portion.analytes.analyte.2.amount:
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.   NA's
  6.850  8.155  10.270  10.953  12.940  16.840   401

patient.samples.sample.3.portions.portion.analytes.analyte.2.analyte_type:
repli-g (qiagen) dna                      rna                      NA's
                   7                      11                      394

patient.samples.sample.3.portions.portion.analytes.analyte.2.analyte_type_id:
  r    w NA's
  11   7 394

patient.samples.sample.3.portions.portion.analytes.analyte.2.concentration:
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.   NA's
  0.1300 0.1550 0.1600 0.1618 0.1750 0.1800   401

patient.samples.sample.3.portions.portion.analytes.analyte.2.dna.normal_tumor_ge
yes NA's
  7 405

patient.samples.sample.3.portions.portion.analytes.analyte.2.dna.pcr_amplificati
yes NA's
  7 405

patient.samples.sample.3.portions.portion.analytes.analyte.2.gel_image_file:
https://sharedoc.nchri.org/tcga-bcr/default.aspx
                                     18
                                     NA's
                                     394

patient.samples.sample.3.portions.portion.analytes.analyte.2.is_derived_from_ffp

```

```

no NA's
18 394

patient.samples.sample.3.portions.portion.analytes.analyte.2.protocols.protocol
mirvana (allprep dna) rna                      repli-g                      NA's
                      11                      7                      394

patient.samples.sample.3.portions.portion.analytes.analyte.2.rna.ratio_28s_18s:
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.    NA's
  1.100  1.300  1.400  1.389  1.465  1.700  401

patient.samples.sample.3.portions.portion.analytes.analyte.2.rna.rinvalue:
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.    NA's
  7.000  7.300  7.400  7.718  8.200  9.000  401

patient.samples.sample.3.portions.portion.analytes.analyte.2.spectrophotometer_m
uv spec      NA's
      11      401

patient.samples.sample.3.portions.portion.analytes.analyte.2.subportion_sequence
  1  2  3 NA's
 12  1  1 398

patient.samples.sample.3.portions.portion.analytes.analyte.3.aliquots.aliquot.bi
  Min.  1st Qu.  Median    Mean  3rd Qu.    Max.    NA's
108433932 113390993 118956637 125654040 136838008 153887522 401

patient.samples.sample.3.portions.portion.analytes.analyte.3.aliquots.aliquot.ce
  8 NA's
 11 401

patient.samples.sample.3.portions.portion.analytes.analyte.3.aliquots.aliquot.co
  0.5 NA's
 11 401

patient.samples.sample.3.portions.portion.analytes.analyte.3.aliquots.aliquot.da
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.    NA's
  6.00  15.50  21.00  17.91  22.00  24.00  401

patient.samples.sample.3.portions.portion.analytes.analyte.3.aliquots.aliquot.is
no NA's
11 401

patient.samples.sample.3.portions.portion.analytes.analyte.3.aliquots.aliquot.mo
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.    NA's
  4.000  5.500  8.000  7.636  9.000  12.000  401

patient.samples.sample.3.portions.portion.analytes.analyte.3.aliquots.aliquot.pl
  3  6  11  12 NA's
  1  6  2  2 401

```

```

patient.samples.sample.3.portions.portion.analytes.analyte.3.aliquots.aliquot.qu
  40 NA's
  11 401

patient.samples.sample.3.portions.portion.analytes.analyte.3.aliquots.aliquot.so
  23 NA's
  11 401

patient.samples.sample.3.portions.portion.analytes.analyte.3.aliquots.aliquot.vo
  80 NA's
  11 401

patient.samples.sample.3.portions.portion.analytes.analyte.3.aliquots.aliquot.ye
2011 2012 2013 NA's
   3    5    3 401

patient.samples.sample.3.portions.portion.analytes.analyte.3.analyte_type:
repli-g (qiagen) dna                NA's
                        11                401

patient.samples.sample.3.portions.portion.analytes.analyte.3.analyte_type_id:
  w NA's
  11 401

patient.samples.sample.3.portions.portion.analytes.analyte.3.dna.normal_tumor_ge
yes NA's
  11 401

patient.samples.sample.3.portions.portion.analytes.analyte.3.dna.pcr_amplificati
yes NA's
  11 401

patient.samples.sample.3.portions.portion.analytes.analyte.3.gel_image_file:
https://sharedoc.nchri.org/tcga-bcr/default.aspx
                        11
                        NA's
                        401

patient.samples.sample.3.portions.portion.analytes.analyte.3.is_derived_from_ffp
no NA's
  11 401

patient.samples.sample.3.portions.portion.analytes.analyte.3.protocols.protocol.
repli-g    NA's
  11      401

patient.samples.sample.3.portions.portion.analytes.analyte.3.subportion_sequence

```


1 3 NA's
10 1 401

patient.samples.sample.3.portions.portion.analytes.analyte.a260_a280_ratio:
1.93 1.95 2 2.03 NA's
1 1 1 2 407

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.2.bi
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
100489209 113396484 120403001 124468169 132271747 160339694 394

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.2.ce
1 8 NA's
3 15 394

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.2.co
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
0.0700 0.0800 0.0800 0.0928 0.0800 0.1800 394

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.2.da
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
6.0 12.0 25.5 21.5 27.0 31.0 394

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.2.is
no NA's
18 394

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.2.mo
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
1.000 2.250 5.000 4.556 6.000 9.000 394

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.2.pl
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
3.000 6.000 8.500 8.278 11.000 12.000 394

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.2.qu
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
1.050 1.885 3.200 2.617 3.200 3.600 394

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.2.so
23 NA's
18 394

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.2.vo
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
6.67 26.00 40.00 32.13 40.00 40.00 394

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.2.ye

2011	2012	2013	2014	NA's
6	5	6	1	394

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.3.bo	
case matched methylation control	NA's
1	411

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.3.bi						
Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
100487780	109702730	117830904	119877424	122971551	150754466	398

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.3.ce				
1	5	8	26	NA's
3	6	3	2	398

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.3.co						
Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0.0800	0.1400	0.1500	0.1414	0.1600	0.1700	398

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.3.da						
Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
12.00	18.75	27.00	23.79	29.25	31.00	398

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.3.is	
no NA's	
14	398

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.3.mo						
Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1.000	2.250	4.000	4.429	6.000	9.000	398

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.3.pl						
Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
3.000	6.000	7.000	8.143	11.000	12.000	398

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.3.qu						
Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0.930	1.425	2.080	2.074	2.210	3.600	398

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.3.so	
23	NA's
14	398

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.3.vo				
6.67	10	13	40	NA's
3	2	6	3	398

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.3.ye	
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2011 2012 2013 NA's
 6 5 3 398

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.4.ad
 fppp NA's
 2 410

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.4.ad
 tcga NA's
 2 410

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.4.bo
 ffpe validation NA's
 2 410

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.4.bi
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 100492185 117830909 122971497 122927704 132160690 132173115 403

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.4.ce
 5 8 26 NA's
 4 2 3 403

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.4.co
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 0.0700 0.1400 0.1500 0.1367 0.1600 0.1700 403

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.4.da
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 12.00 12.00 14.00 20.22 30.00 31.00 403

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.4.is
 no NA's
 9 403

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.4.mo
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 1.000 3.000 4.000 5.222 8.000 9.000 403

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.4.pl
 3 6 7 11 NA's
 2 4 2 1 403

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.4.qu
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 1.400 1.500 1.700 1.966 1.950 4.270 403

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.4.so

23 NA's
 9 403

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.4.vo
 10 13 20 26.7 NA's
 3 3 2 1 403

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.4.ye
 2011 2012 2013 NA's
 2 5 2 403

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.5.ad
 fppp NA's
 2 410

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.5.ad
 tcga NA's
 2 410

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.5.bo
 tcga-bl-a0c8-10a-01d-a273-01 tcga-bl-a13j-10a-01d-a273-01
 1 1
 NA's
 410

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.5.bo
 4a0f7ad1-73d5-460f-a3cb-7b8856eeac79 51e58d38-23bd-4426-9960-d2edb865falb
 1 1
 NA's
 410

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.5.bo
 ffpe validation NA's
 2 410

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.5.bi
 132158820 132158825 NA's
 1 1 410

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.5.ce
 1 NA's
 2 410

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.5.co
 0.14 0.15 NA's
 1 1 410

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.5.da
 14 NA's
 2 410

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.5.is

```

no NA's
2 410

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.5.mo
3 NA's
2 410

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.5.pl
7 NA's
2 410

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.5.pl
a273 NA's
2 410

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.5.pl
a c NA's
1 1 410

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.5.qu
0.94 1.01 NA's
1 1 410

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.5.so
23 NA's
2 410

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.5.vo
6.7 NA's
2 410

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.5.ye
2013 NA's
2 410

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.6.bo
tcga-bl-a0c8-10a-01d-a46w-08 tcga-bl-a13j-10a-01d-a46w-08
1 1
NA's
410

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.6.bo
49aa01dd-8cdc-47f6-9d09-87d4862fa071 c56a2abe-72ae-4e66-956a-c20c23ce02dc
1 1
NA's
410

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.6.bi
132159825 132179160 NA's
1 1 410

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.6.ce

```

8 NA's
2 410

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.6.co
0.07 NA's
2 410

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.6.da
3 NA's
2 410

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.6.is
no NA's
2 410

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.6.mo
8 NA's
2 410

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.6.pl
8 11 NA's
1 1 410

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.6.pl
a46w NA's
2 410

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.6.pl
a d NA's
1 1 410

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.6.qu
1.4 NA's
2 410

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.6.so
23 NA's
2 410

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.6.vo
20 NA's
2 410

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.6.ye
2015 NA's
2 410

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.addi
fppp NA's
1 411

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.addi

tcga NA's
1 411

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.bcr_fffpe_validation NA's
1 411

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.bios
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
100490636 113403678 122971349 127522269 148189549 160338062 393

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.cent
1 2 8 NA's
12 6 1 393

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.conc
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
0.0300 0.1500 0.1500 0.1511 0.1700 0.1800 393

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.day_1
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
1.00 12.00 24.00 19.53 27.00 30.00 393

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.is_d
no NA's
19 393

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.mont
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
1.000 2.500 4.000 4.526 6.000 9.000 393

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.plat
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
3.00 6.00 8.00 8.21 11.00 12.00 393

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.quant
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
0.600 1.010 1.140 1.297 1.650 2.210 393

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.sour
23 NA's
19 393

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.vol
6.7 10 13 20 NA's
12 2 4 1 393

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.year

2011 2012 2013 2014 NA's
 6 5 7 1 393

patient.samples.sample.3.portions.portion.analytes.analyte.amount:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 4.84 8.23 15.01 16.27 18.00 67.49 393

patient.samples.sample.3.portions.portion.analytes.analyte.analyte_type:
 dna NA's
 19 393

patient.samples.sample.3.portions.portion.analytes.analyte.analyte_type_id:
 d NA's
 19 393

patient.samples.sample.3.portions.portion.analytes.analyte.concentration:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 0.0500 0.1500 0.1500 0.1521 0.1700 0.1800 393

patient.samples.sample.3.portions.portion.analytes.analyte.dna.normal_tumor_gene:
 yes NA's
 19 393

patient.samples.sample.3.portions.portion.analytes.analyte.dna.pcr_amplification:
 yes NA's
 19 393

patient.samples.sample.3.portions.portion.analytes.analyte.gel_image_file:
<https://sharedoc.nchri.org/tcga-bcr/default.aspx>
 19
 NA's
 393

patient.samples.sample.3.portions.portion.analytes.analyte.is_derived_from_ffpe:
 no NA's
 19 393

patient.samples.sample.3.portions.portion.analytes.analyte.protocols.protocol.extra:
 adna preparation type pre-extracted dna received by tss
 18 1
 NA's
 393

patient.samples.sample.3.portions.portion.analytes.analyte.spectrophotometer_method:
 picogreen uv spec NA's
 14 5 393

patient.samples.sample.3.portions.portion.analytes.analyte.subportion_sequence:
 1 2 3 NA's
 12 1 1 398

patient.samples.sample.3.portions.portion.day_of_creation:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
5.00	10.50	15.00	16.95	24.50	31.00	393

patient.samples.sample.3.portions.portion.is_ffpe:

no NA's
19 393

patient.samples.sample.3.portions.portion.month_of_creation:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
2.000	3.500	5.000	6.632	10.500	12.000	393

patient.samples.sample.3.portions.portion.portion_number:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1.00	11.00	11.00	10.63	11.50	21.00	393

patient.samples.sample.3.portions.portion.portion_sequence:

1	2	NA's
17	2	393

patient.samples.sample.3.portions.portion.slides.slide.is_derived_from_ffpe:

no NA's
15 397

patient.samples.sample.3.portions.portion.slides.slide.percent_lymphocyte_infiltration:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0.000	0.000	0.000	8.467	9.000	65.000	397

patient.samples.sample.3.portions.portion.slides.slide.percent_monocyte_infiltration:

0	1	2	NA's
11	2	2	397

patient.samples.sample.3.portions.portion.slides.slide.percent_necrosis:

0 NA's
15 397

patient.samples.sample.3.portions.portion.slides.slide.percent_neutrophil_infiltration:

0	1	3	10	NA's
9	3	2	1	397

patient.samples.sample.3.portions.portion.slides.slide.percent_normal_cells:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0.00	10.00	20.00	42.27	100.00	100.00	397

patient.samples.sample.3.portions.portion.slides.slide.percent_stromal_cells:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
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0.00    0.00    80.00    57.73    90.00    100.00    397

patient.samples.sample.3.portions.portion.slides.slide.percent_tumor_cells:
  0 NA's
 15 397

patient.samples.sample.3.portions.portion.slides.slide.percent_tumor_nuclei:
  0 NA's
 15 397

patient.samples.sample.3.portions.portion.slides.slide.section_location:
top NA's
 15 397

patient.samples.sample.3.portions.portion.weight:
 30 200 NA's
 15  3 394

patient.samples.sample.3.portions.portion.year_of_creation:
2010 2011 2012 2013 NA's
  5  2  6  6 393

patient.samples.sample.3.sample_type:
blood derived normal  solid tissue normal          NA's
                        4                          15          393

patient.samples.sample.3.sample_type_id:
 10 11 NA's
  4 15 393

patient.samples.sample.3.vial_number:
  a NA's
 19 393

patient.samples.sample.4.bcr_sample_barcode:
tcga-bl-a13i-11a tcga-bl-a13j-11a          NA's
                   1                   1          410

patient.samples.sample.4.bcr_sample_uuid:
2a834a44-9490-4c60-b587-eb890c3fb0a dd38f3f6-5a39-41b7-b2ea-8917298e76d2
                                         1                                         1
                                         NA's
                                         410

patient.samples.sample.4.days_to_collection:
 127 246 NA's
  1  1 410

patient.samples.sample.4.initial_weight:
 500 NA's
  1 411

```

patient.samples.sample.4.is_ffpe:

no NA's
2 410

patient.samples.sample.4.oct_embedded:

false NA's
2 410

patient.samples.sample.4.portions.portion.analytes.analyte.2.a260_a280_ratio:

1.84 NA's
1 411

patient.samples.sample.4.portions.portion.analytes.analyte.2.aliquots.aliquot.2.

tcga-bl-a13j-11a-13r-a10v-13 NA's
1 411

patient.samples.sample.4.portions.portion.analytes.analyte.2.aliquots.aliquot.2.

d9b6d719-68e5-4994-8b34-1be49779751a NA's
1 411

patient.samples.sample.4.portions.portion.analytes.analyte.2.aliquots.aliquot.2.

100491812 NA's
1 411

patient.samples.sample.4.portions.portion.analytes.analyte.2.aliquots.aliquot.2.

13 NA's
1 411

patient.samples.sample.4.portions.portion.analytes.analyte.2.aliquots.aliquot.2.

0.13 NA's
1 411

patient.samples.sample.4.portions.portion.analytes.analyte.2.aliquots.aliquot.2.

12 NA's
1 411

patient.samples.sample.4.portions.portion.analytes.analyte.2.aliquots.aliquot.2.

no NA's
1 411

patient.samples.sample.4.portions.portion.analytes.analyte.2.aliquots.aliquot.2.

1 NA's
1 411

patient.samples.sample.4.portions.portion.analytes.analyte.2.aliquots.aliquot.2.

6 NA's
1 411

patient.samples.sample.4.portions.portion.analytes.analyte.2.aliquots.aliquot.2.

a10v NA's
1 411

```

patient.samples.sample.4.portions.portion.analytes.analyte.2.aliquots.aliquot.2.
  f NA's
  1 411

patient.samples.sample.4.portions.portion.analytes.analyte.2.aliquots.aliquot.2.
  2.6 NA's
  1 411

patient.samples.sample.4.portions.portion.analytes.analyte.2.aliquots.aliquot.2.
  23 NA's
  1 411

patient.samples.sample.4.portions.portion.analytes.analyte.2.aliquots.aliquot.2.
  20 NA's
  1 411

patient.samples.sample.4.portions.portion.analytes.analyte.2.aliquots.aliquot.2.
  2011 NA's
  1 411

patient.samples.sample.4.portions.portion.analytes.analyte.2.aliquots.aliquot.bo
tcga-bl-a13i-11a-11w-a14t-08 tcga-bl-a13j-11a-13r-a10u-07
      1                               1
      NA's
      410

patient.samples.sample.4.portions.portion.analytes.analyte.2.aliquots.aliquot.bo
c7290ba6-5d86-4ebd-9baa-f48c408ad3f0 c808f209-8527-4105-819b-610508d9d3b3
      1                               1
      NA's
      410

patient.samples.sample.4.portions.portion.analytes.analyte.2.aliquots.aliquot.bi
97490957 100491734      NA's
      1           1      410

patient.samples.sample.4.portions.portion.analytes.analyte.2.aliquots.aliquot.ce
  7   8 NA's
  1   1 410

patient.samples.sample.4.portions.portion.analytes.analyte.2.aliquots.aliquot.co
0.13 0.5 NA's
  1   1 410

patient.samples.sample.4.portions.portion.analytes.analyte.2.aliquots.aliquot.da
  3  12 NA's
  1   1 410

patient.samples.sample.4.portions.portion.analytes.analyte.2.aliquots.aliquot.is
  no NA's
  2 410

```

```

patient.samples.sample.4.portions.portion.analytes.analyte.2.aliquots.aliquot.mo
  1    5 NA's
  1    1 410

patient.samples.sample.4.portions.portion.analytes.analyte.2.aliquots.aliquot.pl
  6   10 NA's
  1    1 410

patient.samples.sample.4.portions.portion.analytes.analyte.2.aliquots.aliquot.pl
a10u a14t NA's
  1    1 410

patient.samples.sample.4.portions.portion.analytes.analyte.2.aliquots.aliquot.pl
e    f NA's
  1    1 410

patient.samples.sample.4.portions.portion.analytes.analyte.2.aliquots.aliquot.qu
3.47  40 NA's
  1    1 410

patient.samples.sample.4.portions.portion.analytes.analyte.2.aliquots.aliquot.sc
23 NA's
  2   410

patient.samples.sample.4.portions.portion.analytes.analyte.2.aliquots.aliquot.vo
26.7  80 NA's
  1    1 410

patient.samples.sample.4.portions.portion.analytes.analyte.2.aliquots.aliquot.ye
2011 NA's
  2   410

patient.samples.sample.4.portions.portion.analytes.analyte.2.amount:
13.01 NA's
  1   411

patient.samples.sample.4.portions.portion.analytes.analyte.2.analyte_type:
repli-g (qiagen) dna                rna                NA's
                  1                  1                  410

patient.samples.sample.4.portions.portion.analytes.analyte.2.analyte_type_id:
r    w NA's
  1   1 410

patient.samples.sample.4.portions.portion.analytes.analyte.2.bcr_analyte_barcode
tcga-bl-a13i-11a-11w tcga-bl-a13j-11a-13r                NA's
                  1                  1                  410

patient.samples.sample.4.portions.portion.analytes.analyte.2.bcr_analyte_uuid:
2e654640-37f5-4d0e-a221-d027a27317e1 a4338e9e-9d1e-4b97-8911-049681bf6d54
                  1                  1
                  NA's

```

410

patient.samples.sample.4.portions.portion.analytes.analyte.2.concentration:
0.13 NA's

1 411

patient.samples.sample.4.portions.portion.analytes.analyte.2.dna.normal_tumor_ge
yes NA's

1 411

patient.samples.sample.4.portions.portion.analytes.analyte.2.dna.pcr_amplificati
yes NA's

1 411

patient.samples.sample.4.portions.portion.analytes.analyte.2.gel_image_file:
<https://sharedoc.nchri.org/tcga-bcr/default.aspx>

2

NA's

410

patient.samples.sample.4.portions.portion.analytes.analyte.2.is_derived_from_ffp
no NA's

2 410

patient.samples.sample.4.portions.portion.analytes.analyte.2.protocols.protocol.
mirvana (allprep dna) rna repli-g NA's

1

1

410

patient.samples.sample.4.portions.portion.analytes.analyte.2.rna.ratio_28s_18s:
1.1 NA's

1 411

patient.samples.sample.4.portions.portion.analytes.analyte.2.rna.rinvalue:
6.8 NA's

1 411

patient.samples.sample.4.portions.portion.analytes.analyte.2.spectrophotometer_m
uv spec NA's

1 411

patient.samples.sample.4.portions.portion.analytes.analyte.2.subportion_sequence
1 3 NA's

1 1 410

patient.samples.sample.4.portions.portion.analytes.analyte.3.aliquots.aliquot.bo
tcga-bl-a13j-11a-13w-a12w-08 NA's

1

411

patient.samples.sample.4.portions.portion.analytes.analyte.3.aliquots.aliquot.bo
b8033a13-4878-43a5-84b9-a20341ac4cac NA's

1

411

patient.samples.sample.4.portions.portion.analytes.analyte.3.aliquots.aliquot.bi
108433955 NA's
1 411

patient.samples.sample.4.portions.portion.analytes.analyte.3.aliquots.aliquot.ce
8 NA's
1 411

patient.samples.sample.4.portions.portion.analytes.analyte.3.aliquots.aliquot.co
0.5 NA's
1 411

patient.samples.sample.4.portions.portion.analytes.analyte.3.aliquots.aliquot.da
6 NA's
1 411

patient.samples.sample.4.portions.portion.analytes.analyte.3.aliquots.aliquot.is
no NA's
1 411

patient.samples.sample.4.portions.portion.analytes.analyte.3.aliquots.aliquot.mo
4 NA's
1 411

patient.samples.sample.4.portions.portion.analytes.analyte.3.aliquots.aliquot.pl
12 NA's
1 411

patient.samples.sample.4.portions.portion.analytes.analyte.3.aliquots.aliquot.pl
a12w NA's
1 411

patient.samples.sample.4.portions.portion.analytes.analyte.3.aliquots.aliquot.pl
f NA's
1 411

patient.samples.sample.4.portions.portion.analytes.analyte.3.aliquots.aliquot.qu
40 NA's
1 411

patient.samples.sample.4.portions.portion.analytes.analyte.3.aliquots.aliquot.so
23 NA's
1 411

patient.samples.sample.4.portions.portion.analytes.analyte.3.aliquots.aliquot.vo
80 NA's
1 411

patient.samples.sample.4.portions.portion.analytes.analyte.3.aliquots.aliquot.ye
2011 NA's
1 411

```

patient.samples.sample.4.portions.portion.analytes.analyte.3.analyte_type:
repli-g (qiagen) dna NA's
1 411

patient.samples.sample.4.portions.portion.analytes.analyte.3.analyte_type_id:
w NA's
1 411

patient.samples.sample.4.portions.portion.analytes.analyte.3.bcr_analyte_barcode:
tcga-bl-a13j-11a-13w NA's
1 411

patient.samples.sample.4.portions.portion.analytes.analyte.3.bcr_analyte_uuid:
17c49281-bcfa-4708-b3b6-adb20efd9687 NA's
1 411

patient.samples.sample.4.portions.portion.analytes.analyte.3.dna.normal_tumor_ge:
yes NA's
1 411

patient.samples.sample.4.portions.portion.analytes.analyte.3.dna.pcr_amplificati:
yes NA's
1 411

patient.samples.sample.4.portions.portion.analytes.analyte.3.gel_image_file:
https://sharedoc.nchri.org/tcga-bcr/default.aspx
1
NA's
411

patient.samples.sample.4.portions.portion.analytes.analyte.3.is_derived_from_ffp:
no NA's
1 411

patient.samples.sample.4.portions.portion.analytes.analyte.3.protocols.protocol:
repli-g NA's
1 411

patient.samples.sample.4.portions.portion.analytes.analyte.3.subportion_sequence:
3 NA's
1 411

patient.samples.sample.4.portions.portion.analytes.analyte.a260_a280_ratio:
1.94 1.98 NA's
1 1 410

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.2.bo:
tcga-bl-a13i-11a-11d-a13v-01 tcga-bl-a13j-11a-13d-a10s-08
1 1
NA's
410

```


1 1 410

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.2.ye
2011 NA's

2 410

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.3.bo
tcga-bl-a13i-11a-11d-a13w-08 tcga-bl-a13j-11a-13d-a10t-01

1 1
NA's
410

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.3.bo
5ele29aa-bf11-4297-9681-e883ca7558d3 c71b3462-c2af-433e-9962-3e1a9a718b03

1 1
NA's
410

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.3.bi
100488982 108474566 NA's

1 1 410

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.3.ce

1 8 NA's
1 1 410

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.3.co
0.08 0.14 NA's

1 1 410

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.3.da

12 30 NA's
1 1 410

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.3.is

no NA's
2 410

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.3.mo

1 3 NA's
1 1 410

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.3.pl

10 12 NA's
1 1 410

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.3.pl

a10t a13w NA's
1 1 410

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.3.pl

e f NA's

1 1 410
 patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.3.qu
 0.93 3.2 NA's
 1 1 410
 patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.3.so
 23 NA's
 2 410
 patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.3.vo
 6.67 40 NA's
 1 1 410
 patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.3.ye
 2011 NA's
 2 410
 patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.4.bo
 tcga-bl-a13j-11a-13d-a10w-05 NA's
 1 411
 patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.4.bo
 e97d7f8c-b9c4-4a21-99bb-508ca17d7dc7 NA's
 1 411
 patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.4.bi
 100492196 NA's
 1 411
 patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.4.ce
 5 NA's
 1 411
 patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.4.co
 0.14 NA's
 1 411
 patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.4.da
 12 NA's
 1 411
 patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.4.is
 no NA's
 1 411
 patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.4.mo
 1 NA's
 1 411
 patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.4.pl
 6 NA's

```

1 411

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.4.pl
a10w NA's
1 411

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.4.pl
f NA's
1 411

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.4.qu
3.74 NA's
1 411

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.4.so
23 NA's
1 411

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.4.vo
26.7 NA's
1 411

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.4.ye
2011 NA's
1 411

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.bcr_
tcga-bl-a13i-11a-11d-a13u-02 tcga-bl-a13j-11a-13d-a10r-02
1 1
NA's
410

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.bcr_
325dc686-e598-42c6-b2e7-3ae19b1ea4f9 9b4ffd23-8b53-4dfc-a98e-e4c70f7680f0
1 1
NA's
410

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.bios
100490635 108474470 NA's
1 1 410

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.cent
2 NA's
2 410

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.conc
0.14 0.16 NA's
1 1 410

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.day_
12 30 NA's

```

```
1 1 410
patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.is_d
no NA's
2 410
patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.mont
1 3 NA's
1 1 410
patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.plat
10 12 NA's
1 1 410
patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.plat
a10r a13u NA's
1 1 410
patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.plat
e f NA's
1 1 410
patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.quant
1.82 2.08 NA's
1 1 410
patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.sourc
23 NA's
2 410
patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.volum
13 NA's
2 410
patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.year
2011 NA's
2 410
patient.samples.sample.4.portions.portion.analytes.analyte.amount:
9.8 13.33 NA's
1 1 410
patient.samples.sample.4.portions.portion.analytes.analyte.analyte_type:
dna NA's
2 410
patient.samples.sample.4.portions.portion.analytes.analyte.analyte_type_id:
d NA's
2 410
patient.samples.sample.4.portions.portion.analytes.analyte.bcr_analyte_barcode:
tcga-bl-a13i-11a-11d tcga-bl-a13j-11a-13d NA's
```

	1		1	410
patient.samples.sample.4.portions.portion.analytes.analyte.bcr_analyte_uuid:				
11815750-dad7-43d5-8474-4b8d427020b8 8b8d9cbf-a090-4fd1-aa16-e6b9fe2f403c				
		1		1
		NA's		
		410		
patient.samples.sample.4.portions.portion.analytes.analyte.concentration:				
0.14 0.16 NA's				
	1	1		410
patient.samples.sample.4.portions.portion.analytes.analyte.dna.normal_tumor_genotype:				
yes NA's				
	2			410
patient.samples.sample.4.portions.portion.analytes.analyte.dna.pcr_amplification:				
yes NA's				
	2			410
patient.samples.sample.4.portions.portion.analytes.analyte.gel_image_file:				
https://sharedoc.nchri.org/tcga-bcr/default.aspx				
		2		
		NA's		
		410		
patient.samples.sample.4.portions.portion.analytes.analyte.is_derived_from_ffpe:				
no NA's				
	2			410
patient.samples.sample.4.portions.portion.analytes.analyte.protocols.protocol_execution_type:				
adna preparation type				
		2		410
patient.samples.sample.4.portions.portion.analytes.analyte.spectrophotometer_measurement:				
uv spec NA's				
	2			410
patient.samples.sample.4.portions.portion.analytes.analyte.subportion_sequence:				
	1	3		NA's
	1	1		410
patient.samples.sample.4.portions.portion.bcr_portion_barcode:				
tcga-bl-a13i-11a-11 tcga-bl-a13j-11a-13				
		1		NA's
		1		410
patient.samples.sample.4.portions.portion.bcr_portion_uuid:				
76763975-ca07-4ab6-b884-90a451a5f9b8 f2202050-aa9a-41b1-8b18-06a0e0fb7600				
		1		1
		NA's		
		410		

patient.samples.sample.4.portions.portion.day_of_creation:

3 NA's
2 410

patient.samples.sample.4.portions.portion.is_ffpe:

no NA's
2 410

patient.samples.sample.4.portions.portion.month_of_creation:

12 NA's
2 410

patient.samples.sample.4.portions.portion.portion_number:

11 13 NA's
1 1 410

patient.samples.sample.4.portions.portion.portion_sequence:

1 NA's
2 410

patient.samples.sample.4.portions.portion.slides.slide.bcr_slide_barcode:

tcga-bl-a13i-11a-01-ts1	tcga-bl-a13j-11a-01-ts1	NA's
1	1	410

patient.samples.sample.4.portions.portion.slides.slide.bcr_slide_uuid:

02e153ec-4497-4d52-a6b1-6b80e50a426d	6f663daa-1b69-4f51-a1e5-fe61e026d700	
1	1	1
NA's		
410		

patient.samples.sample.4.portions.portion.slides.slide.image_file_name:

tcga-bl-a13i-11a-01-ts1.6f663daa-1b69-4f51-a1e5-fe61e026d700.svs	1
tcga-bl-a13j-11a-01-ts1.02e153ec-4497-4d52-a6b1-6b80e50a426d.svs	1
	NA's
	410

patient.samples.sample.4.portions.portion.slides.slide.is_derived_from_ffpe:

no NA's
2 410

patient.samples.sample.4.portions.portion.slides.slide.percent_lymphocyte_infiltration:

1 2 NA's
1 1 410

patient.samples.sample.4.portions.portion.slides.slide.percent_monocyte_infiltration:

0 NA's
2 410

patient.samples.sample.4.portions.portion.slides.slide.percent_necrosis:

0 NA's

```

2 410

patient.samples.sample.4.portions.portion.slides.slide.percent_neutrophil_infiltration:
0 NA's
2 410

patient.samples.sample.4.portions.portion.slides.slide.percent_normal_cells:
3 70 NA's
1 1 410

patient.samples.sample.4.portions.portion.slides.slide.percent_stromal_cells:
30 97 NA's
1 1 410

patient.samples.sample.4.portions.portion.slides.slide.percent_tumor_cells:
0 NA's
2 410

patient.samples.sample.4.portions.portion.slides.slide.percent_tumor_nuclei:
0 NA's
2 410

patient.samples.sample.4.portions.portion.slides.slide.section_location:
top NA's
2 410

patient.samples.sample.4.portions.portion.weight:
30 NA's
2 410

patient.samples.sample.4.portions.portion.year_of_creation:
2010 NA's
2 410

patient.samples.sample.4.sample_type:
solid tissue normal NA's
2 410

patient.samples.sample.4.sample_type_id:
11 NA's
2 410

patient.samples.sample.4.vial_number:
a NA's
2 410

patient.samples.sample.days_to_collection:
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
14.0 135.0 297.0 896.6 1418.0 4919.0 19

```



```

patient.samples.sample.diagnostic_slides.ffpe_slide_uuid.10:
efdebc10-7fe6-4a81-984a-9b0fb45bb7be
1
NA's
411

```

```

patient.samples.sample.diagnostic_slides.ffpe_slide_uuid.9:
175d6533-186b-4c62-95fc-6cddb4278 77e9e77b-0a41-4045-alee-19fec7259910
1
NA's
410

```

```

patient.samples.sample.initial_weight:
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
6.0 160.0 310.0 398.7 550.0 1830.0 1

```

```

patient.samples.sample.is_ffpe:
no
412

```

```

patient.samples.sample.oct_embedded:
false true
61 351

```

```

patient.samples.sample.portions.portion.analytes.analyte.2.a260_a280_ratio:
Min. 1st Qu. Median Mean 3rd Qu. Max.
0.510 1.820 1.860 1.853 1.890 2.110

```

```

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.2.bi
Min. 1st Qu. Median Mean 3rd Qu. Max.
97490568 122940102 150756720 144730551 164104797 167823161

```

```

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.2.ce
7 13
192 220

```

```

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.2.co
Min. 1st Qu. Median Mean 3rd Qu. Max.
0.0800 0.1600 0.1700 0.1664 0.1700 0.1800

```

```

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.2.da
Min. 1st Qu. Median Mean 3rd Qu. Max.

```

3.00 17.00 26.00 22.65 29.00 31.00

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.2.is
no
412

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.2.mo
Min. 1st Qu. Median Mean 3rd Qu. Max.
1.000 3.000 4.000 5.206 6.250 12.000

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.2.pl
Min. 1st Qu. Median Mean 3rd Qu. Max.
1.000 2.000 4.000 4.277 6.000 12.000

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.2.qu
Min. 1st Qu. Median Mean 3rd Qu. Max.
1.600 2.210 3.200 2.909 3.400 4.540

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.2.sc
23
412

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.2.vo
13 20 26.7
169 220 23

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.2.ye
2010 2011 2012 2013 2014
2 56 95 100 159

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.3.ad
fppp NA's
3 409

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.3.ad
tcga NA's
3 409

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.3.bo
ffpe validation NA's
3 409

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.3.bi
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
132178536 145632009 148194505 152326188 167812920 167812964 402

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.3.ce
7 13 NA's

8 2 402

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.3.co

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0.1400	0.1600	0.1600	0.1610	0.1675	0.1800	402

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.3.da

2	9	14	NA's
3	4	3	402

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.3.is

no NA's
10 402

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.3.mo

1	3	10	12	NA's
2	3	1	4	402

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.3.pl

1	2	4	7	NA's
2	2	3	3	402

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.3.pl

a25g	a277	a32y	a466	NA's
2	3	1	4	402

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.3.qu

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1.060	1.137	1.885	1.882	2.080	3.200	402

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.3.so

23	NA's
10	402

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.3.vo

6.6	13	20	NA's
4	4	2	402

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.3.ye

2013	2014	NA's
6	4	402

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.4.ad

fppp	NA's
3	409

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.4.ad

tcga	NA's
3	409

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.4.bo

```

tcga-bl-a0c8-01a-11r-a27d-13 tcga-bl-a13i-01a-11r-a27d-13
                                1                                1
tcga-bl-a13j-01a-11r-a27d-13                                NA's
                                1                                409

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.4.bo
40160bd1-cd4f-4563-a4d6-5e6c88951f7e 50761798-77ec-4f5a-92bf-71b26d49b909
                                1                                1
99566c9b-b078-463b-8760-354132483a51                                NA's
                                1                                409

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.4.bo
ffpe validation                                NA's
                                3                                409

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.4.bi
132179167 132179176 132179191                                NA's
                                1                                1                                1                                409

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.4.ce
13 NA's
3 409

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.4.co
0.14 0.15 0.16 NA's
1 1 1 409

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.4.da
13 NA's
3 409

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.4.is
no NA's
3 409

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.4.mo
3 NA's
3 409

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.4.pl
7 NA's
3 409

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.4.pl
a27d NA's
3 409

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.4.pl
f g h NA's
1 1 1 409

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.4.qu

```

2.8 3 3.2 NA's
 1 1 1 409

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.4.so
 23 NA's
 3 409

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.4.vo
 20 NA's
 3 409

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.4.ye
 2013 NA's
 3 409

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.5.bo
 tcga-bl-a0c8-01a-11r-a46x-36 tcga-bl-a13j-01a-11r-a46x-36
 1 1
 NA's
 410

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.5.bo
 7e41c27a-2632-4475-9fa3-68b837227784 e1eb7a37-c452-4b85-872d-6c6999003741
 1 1
 NA's
 410

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.5.bi
 167814187 167814190 NA's
 1 1 410

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.5.ce
 36 NA's
 2 410

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.5.co
 0.14 0.15 NA's
 1 1 410

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.5.da
 26 NA's
 2 410

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.5.is
 no NA's
 2 410

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.5.mo
 8 NA's
 2 410

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.5.pl

2 5 NA's
1 1 410

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.5.pl
a46x NA's
2 410

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.5.pl
e NA's
2 410

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.5.qu
0.7 0.75 NA's
1 1 410

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.5.sc
23 NA's
2 410

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.5.vo
5 NA's
2 410

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.5.ye
2015 NA's
2 410

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.bios
Min. 1st Qu. Median Mean 3rd Qu. Max.
97490542 128958364 153879984 144316416 164105853 167822585

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.cent
7 13
220 192

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.conc
Min. 1st Qu. Median Mean 3rd Qu. Max.
0.0800 0.1600 0.1700 0.1664 0.1700 0.1800

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.day_
Min. 1st Qu. Median Mean 3rd Qu. Max.
3.00 17.00 26.00 22.65 29.00 31.00

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.is_d
no
412

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.mont
Min. 1st Qu. Median Mean 3rd Qu. Max.
1.000 3.000 4.000 5.206 6.250 12.000

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.plat
 Min. 1st Qu. Median Mean 3rd Qu. Max.
 1.000 2.000 4.000 4.277 6.000 12.000

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.quan
 Min. 1st Qu. Median Mean 3rd Qu. Max.
 1.950 2.210 2.340 2.759 3.400 4.540

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.sour
 23
 412

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.vol
 13 20 26.7
 209 192 11

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.year
 2010 2011 2012 2013 2014
 2 56 95 100 159

patient.samples.sample.portions.portion.analytes.analyte.2.amount:
 Min. 1st Qu. Median Mean 3rd Qu. Max.
 7.31 33.43 47.58 47.58 60.55 129.49

patient.samples.sample.portions.portion.analytes.analyte.2.analyte_type:
 rna
 412

patient.samples.sample.portions.portion.analytes.analyte.2.analyte_type_id:
 r
 412

patient.samples.sample.portions.portion.analytes.analyte.2.concentration:
 Min. 1st Qu. Median Mean 3rd Qu. Max.
 0.0800 0.1600 0.1700 0.1664 0.1700 0.1800

patient.samples.sample.portions.portion.analytes.analyte.2.gel_image_file:
<https://sharedoc.nchri.org/tcga-bcr/default.aspx>
 412

patient.samples.sample.portions.portion.analytes.analyte.2.is_derived_from_ffpe:
 no
 412

patient.samples.sample.portions.portion.analytes.analyte.2.protocols.protocol.ex
 mirvana (allprep dna) rna
 412

```
patient.samples.sample.portions.portion.analytes.analyte.2.rna.ratio_28s_18s:
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.
  0.500  1.400  1.600  1.612  1.800  3.300
```

```
patient.samples.sample.portions.portion.analytes.analyte.2.rna.rinvalue:
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.
  7.000  7.400  8.000  8.088  8.600 10.000
```

```
patient.samples.sample.portions.portion.analytes.analyte.2.spectrophotometer_met
uv spec
  412
```

```
patient.samples.sample.portions.portion.analytes.analyte.2.subportion_sequence:
  1    2 NA's
 336  66  10
```

```
patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.bios
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.    NA's
 97490609 122968438 150705214 144141240 167788667 167804056    46
```

```
patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.cent
  8 NA's
 366  46
```

```
patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.conc
  0.5 NA's
 366  46
```

```
patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.day_
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.    NA's
  1.00  8.00  16.00  15.33  22.00  30.00    46
```

```
patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.is_d
  no NA's
 366  46
```

```
patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.mont
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.    NA's
  1.000  5.000  7.000  6.101  7.000 12.000    46
```

```
patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.plat
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.    NA's
  1.000  2.000  3.000  3.536  5.000 12.000    46
```

```
patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.quant
  40 NA's
 366  46
```



```

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.source
  23 NA's
366 46

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.volume
  80 NA's
366 46

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.year
2011 2012 2013 2014 NA's
  53 84 75 154 46

patient.samples.sample.portions.portion.analytes.analyte.3.analyte_type:
repli-g (qiagen) dna NA's
                 366 46

patient.samples.sample.portions.portion.analytes.analyte.3.analyte_type_id:
  w NA's
366 46

patient.samples.sample.portions.portion.analytes.analyte.3.dna.normal_tumor_genome
yes NA's
366 46

patient.samples.sample.portions.portion.analytes.analyte.3.dna.pcr_amplification
yes NA's
366 46

patient.samples.sample.portions.portion.analytes.analyte.3.gel_image_file:
https://sharedoc.nchri.org/tcga-bcr/default.aspx
                                     366
                                     NA's
                                     46

patient.samples.sample.portions.portion.analytes.analyte.3.is_derived_from_ffpe:
no NA's
366 46

patient.samples.sample.portions.portion.analytes.analyte.3.protocols.protocol.extra
repli-g NA's
      366 46

patient.samples.sample.portions.portion.analytes.analyte.3.subportion_sequence:
  1 2 NA's
297 59 56

patient.samples.sample.portions.portion.analytes.analyte.a260_a280_ratio:
  Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
  1.64 1.90 1.94 1.94 2.00 2.28 374

```

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.2.bios
 Min. 1st Qu. Median Mean 3rd Qu. Max.
 97486215 122850159 150757680 144635549 164106237 174163001

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.2.cent
 1 2 8
 38 3 371

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.2.conc
 Min. 1st Qu. Median Mean 3rd Qu. Max.
 0.07000 0.08000 0.08000 0.08641 0.08000 0.18000

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.2.day_
 Min. 1st Qu. Median Mean 3rd Qu. Max.
 3.00 18.00 26.00 22.56 29.00 31.00

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.2.is_d
 no
 412

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.2.mont
 Min. 1st Qu. Median Mean 3rd Qu. Max.
 1.000 3.000 4.000 4.852 6.000 12.000

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.2.plat
 Min. 1st Qu. Median Mean 3rd Qu. Max.
 1.000 2.000 3.000 3.558 5.000 12.000

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.2.quant
 Min. 1st Qu. Median Mean 3rd Qu. Max.
 0.940 2.800 3.200 2.894 3.200 3.600

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.2.sour
 23
 412

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.2.vol
 Min. 1st Qu. Median Mean 3rd Qu. Max.
 6.67 40.00 40.00 36.31 40.00 40.00

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.2.year
 2011 2012 2013 2014
 59 94 89 170

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.3.bios

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.
97486983	122849471	150754512	145355607	164105277	174164653

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.3.cent

1	5	8	26
12	330	41	29

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.3.conc

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.
0.0700	0.1500	0.1500	0.1477	0.1600	0.1800

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.3.day_

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.
3.00	17.00	26.00	22.16	29.00	31.00

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.3.is_d
no
412

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.3.mont

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.
1.000	3.000	4.000	5.238	6.000	12.000

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.3.plat

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.
1.000	2.000	3.000	3.558	5.000	12.000

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.3.quant

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.
0.930	1.950	2.080	2.075	2.080	3.600

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.3.sour
23
412

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.3.vol

6.67	10	13	40
12	29	330	41

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.3.year

2011	2012	2013	2014
59	94	100	159

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.4.bios

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
99039605	108476663	117830950	116222490	122970252	132181428	277

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.4.cent

2 5 26 NA's
5 82 48 277

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.4.conc
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
0.1400 0.1500 0.1600 0.1573 0.1600 0.1800 277

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.4.day_
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
3.00 12.00 27.00 20.99 29.00 31.00 277

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.4.is_d
no NA's
135 277

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.4.mont
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
1.000 3.000 5.000 4.822 8.000 12.000 277

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.4.plat
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
1.000 1.000 3.000 2.933 4.000 6.000 277

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.4.quan
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
1.400 1.600 1.950 2.426 3.875 4.810 277

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.4.sour
23 NA's
135 277

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.4.volu
10 13 26.7 NA's
53 47 35 277

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.4.year
2011 2012 NA's
58 77 277

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.5.addi
fppp NA's
2 410

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.5.addi
tcga NA's
2 410

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.5.bcr_

ffpe validation NA's
2 410

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.5.bios
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
132158639 132160672 132268717 140437313 132268763 167811822 399

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.5.cent
5 8 9 NA's
6 4 3 399

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.5.conc
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
0.0700 0.0800 0.0900 0.1162 0.1500 0.1700 399

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.5.day_
14 21 30 31 NA's
2 3 2 6 399

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.5.is_d
no NA's
13 399

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.5.mont
1 3 7 NA's
5 2 6 399

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.5.plat
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
1.000 1.000 7.000 5.231 8.000 8.000 399

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.5.plat
a23d a25t a271 a46a NA's
6 2 2 3 399

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.5.quan
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
1.070 1.400 1.800 3.642 6.000 6.800 399

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.5.sour
23 NA's
13 399

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.5.vol
13.4 20 40 NA's
3 4 6 399

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.5.year
2012 2013 2015 NA's
6 4 3 399

```

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.6.addi
fppp NA's
  3  409

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.6.addi
tcga NA's
  3  409

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.6.bcr_
tcga-bl-a0c8-01a-11d-a273-01 tcga-bl-a13i-01a-11d-a276-05
                                1                                1
tcga-bl-a13j-01a-11d-a271-08                                NA's
                                1                                409

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.6.bcr_
2cff629b-29ce-43c5-a814-3965a80eaebc 93f66218-cc1a-42be-9173-3fb50df3d97e
                                1                                1
9c0eb584-cf70-47cd-9902-83d3d5779b85                                NA's
                                1                                409

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.6.bcr_
ffpe validation                                NA's
                                3                                409

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.6.bios
132158805 132160700 145675760 NA's
  1          1          1      409

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.6.cent
  1  5  8 NA's
  1  1  1 409

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.6.conc
0.08 0.15 0.17 NA's
  1  1  1 409

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.6.day_
 13  14 NA's
  1  2  409

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.6.is_d
no NA's
  3  409

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.6.mont
  3 NA's
  3  409

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.6.plat
  1 NA's
  3  409

```

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.6.plat
a271 a273 a276 NA's

1 1 1 409

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.6.plat

a b c NA's

1 1 1 409

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.6.quan

1.01 1.14 1.6 NA's

1 1 1 409

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.6.sour

23 NA's

3 409

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.6.vol

6.7 20 NA's

2 1 409

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.6.year

2013 NA's

3 409

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.7.addi

fppp NA's

2 410

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.7.addi

tcga NA's

2 410

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.7.bcr_

tcga-bl-a0c8-01a-11d-a276-05 tcga-bl-a13j-01a-11d-a273-01

1 1
NA's
410

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.7.bcr_

008f75de-3e64-4887-9ec2-85e20ebbaa67 0b4defce-bfc9-419d-9017-075475306fb6

1 1
NA's
410

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.7.bcr_

ffpe validation NA's

2 410

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.7.bios

132158797 145675767 NA's

1 1 410

```
patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.7.cent
  1    5 NA's
  1    1 410

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.7.conc
0.15 0.17 NA's
  1    1 410

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.7.day_
 13   14 NA's
  1    1 410

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.7.is_d
no NA's
  2   410

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.7.mont
  3 NA's
  2   410

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.7.plat
  1 NA's
  2   410

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.7.plat
a273 a276 NA's
  1    1 410

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.7.plat
  a    c NA's
  1    1 410

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.7.quant
1.01 1.14 NA's
  1    1 410

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.7.sour
 23 NA's
  2   410

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.7.vol
 6.7 NA's
  2   410

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.7.year
2013 NA's
  2   410

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.8.addi
fppp NA's
  1   411
```


patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.8.addi
 tcga NA's
 1 411

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.8.bcr_
 tcga-bl-a0c8-01a-11d-a46w-08 tcga-bl-a13j-01a-11d-a276-05
 1 1
 NA's
 410

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.8.bcr_
 075acfe9-bf63-4904-8ba7-df3f5b19ec4e 76c0c40d-0ae1-494e-96ac-0c043152fd68
 1 1
 NA's
 410

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.8.bcr_
 ffpe validation NA's
 1 411

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.8.bios
 132157308 145675719 NA's
 1 1 410

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.8.cent
 5 8 NA's
 1 1 410

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.8.conc
 0.09 0.15 NA's
 1 1 410

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.8.day_
 3 13 NA's
 1 1 410

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.8.is_d
 no NA's
 2 410

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.8.mont
 3 8 NA's
 1 1 410

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.8.plat
 1 10 NA's
 1 1 410

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.8.plat
 a276 a46w NA's
 1 1 410

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.8.plat
 c g NA's
 1 1 410

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.8.quan
 1.01 1.8 NA's
 1 1 410

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.8.sour
 23 NA's
 2 410

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.8.vol
 6.7 20 NA's
 1 1 410

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.8.year
 2013 2015 NA's
 1 1 410

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.9.bcr_
 tcga-bl-a13j-01a-11d-a46w-08 NA's
 1 411

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.9.bcr_
 95694bd7-7201-4a6c-9ebd-1e456972cf76 NA's
 1 411

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.9.bios
 132159824 NA's
 1 411

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.9.cent
 8 NA's
 1 411

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.9.conc
 0.08 NA's
 1 411

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.9.day_
 3 NA's
 1 411

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.9.is_d
 no NA's
 1 411

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.9.mont
 8 NA's
 1 411

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.9.plat
 8 NA's
 1 411

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.9.plat
 a46w NA's
 1 411

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.9.plat
 b NA's
 1 411

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.9.quan
 1.6 NA's
 1 411

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.9.sour
 23 NA's
 1 411

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.9.vol
 20 NA's
 1 411

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.9.year
 2015 NA's
 1 411

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.biospe

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.
97483773	122849369	150756336	144637894	164105181	174163672

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.center

1	2
362	50

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.concen

0.14	0.15	0.16	0.17	0.18
53	126	179	48	6

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.day_of

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.
1.00	18.00	25.00	21.98	29.00	31.00

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.is_der
 no
 412

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.month_

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.
------	---------	--------	------	---------	------

```

1.000  3.000  4.000  4.871  6.000  12.000

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.plate_
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.
1.000  2.000  3.000  3.558  5.000  12.000

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.quantit
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.
0.940  1.010  1.070  1.149  1.070  2.340

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.source_
23
412

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.volume_
6.7  7  10  13
361  1  15  35

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.year_o
2011 2012 2013 2014
59  94  89  170

patient.samples.sample.portions.portion.analytes.analyte.amount:
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.
6.39  25.43  36.07  37.94  48.04  124.41

patient.samples.sample.portions.portion.analytes.analyte.analyte_type:
dna
412

patient.samples.sample.portions.portion.analytes.analyte.analyte_type_id:
d
412

patient.samples.sample.portions.portion.analytes.analyte.concentration:
0.14 0.15 0.16 0.17 0.18
53  126  179  48  6

patient.samples.sample.portions.portion.analytes.analyte.dna.normal_tumor_genoty
yes
412

patient.samples.sample.portions.portion.analytes.analyte.dna.pcr_amplification_s
yes
412

patient.samples.sample.portions.portion.analytes.analyte.gel_image_file:
https://sharedoc.nchri.org/tcga-bcr/default.aspx

```

412

patient.samples.sample.portions.portion.analytes.analyte.is_derived_from_ffpe:
 no
 412

patient.samples.sample.portions.portion.analytes.analyte.protocols.protocol.expe
 adna preparation type
 412

patient.samples.sample.portions.portion.analytes.analyte.spectrophotometer_metho
 picogreen uv spec
 374 38

patient.samples.sample.portions.portion.analytes.analyte.subportion_sequence:
 1 2 NA's
 336 66 10

patient.samples.sample.portions.portion.day_of_creation:
 Min. 1st Qu. Median Mean 3rd Qu. Max.
 1.00 7.00 14.00 14.63 22.00 31.00

patient.samples.sample.portions.portion.is_ffpe:
 no
 412

patient.samples.sample.portions.portion.month_of_creation:
 Min. 1st Qu. Median Mean 3rd Qu. Max.
 1.000 3.000 4.000 5.238 8.000 12.000

patient.samples.sample.portions.portion.portion_number:
 Min. 1st Qu. Median Mean 3rd Qu. Max.
 11.00 11.00 11.00 13.64 12.00 52.00

patient.samples.sample.portions.portion.portion_sequence:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 1.000 1.000 1.000 1.284 1.000 5.000 141

patient.samples.sample.portions.portion.slides.slide.2.is_derived_from_ffpe:
 no NA's
 13 399

patient.samples.sample.portions.portion.slides.slide.2.percent_lymphocyte_infilt
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 0.000 1.000 3.000 3.308 4.000 10.000 399

patient.samples.sample.portions.portion.slides.slide.2.percent_monocyte_infiltra

0 1 NA's
11 2 399

patient.samples.sample.portions.portion.slides.slide.2.percent_necrosis:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0.000	1.000	5.000	7.385	10.000	25.000	399

patient.samples.sample.portions.portion.slides.slide.2.percent_neutrophil_infiltration:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0.000	0.000	0.000	3.846	5.000	22.000	399

patient.samples.sample.portions.portion.slides.slide.2.percent_normal_cells:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0.000	0.000	0.000	6.615	5.000	49.000	399

patient.samples.sample.portions.portion.slides.slide.2.percent_stromal_cells:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0.00	2.00	12.00	17.69	30.00	45.00	399

patient.samples.sample.portions.portion.slides.slide.2.percent_tumor_cells:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
48.00	60.00	70.00	68.31	75.00	90.00	399

patient.samples.sample.portions.portion.slides.slide.2.percent_tumor_nuclei:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
55.00	70.00	75.00	76.92	84.00	97.00	399

patient.samples.sample.portions.portion.slides.slide.2.section_location:

bottom	top	NA's
1	12	399

patient.samples.sample.portions.portion.slides.slide.is_derived_from_ffpe:

no
412

patient.samples.sample.portions.portion.slides.slide.percent_lymphocyte_infiltration:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.
0.00	1.00	2.00	3.67	4.00	90.00

patient.samples.sample.portions.portion.slides.slide.percent_monocyte_infiltration:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.
0.0000	0.0000	0.0000	0.6359	1.0000	70.0000

patient.samples.sample.portions.portion.slides.slide.percent_necrosis:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.
0.000	0.000	0.000	2.427	3.000	20.000

patient.samples.sample.portions.portion.slides.slide.percent_neutrophil_infiltration:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.
------	---------	--------	------	---------	------

```

0.000  0.000  0.000  1.015  1.000  10.000

patient.samples.sample.portions.portion.slides.slide.percent_normal_cells:
  Min. 1st Qu.  Median    Mean 3rd Qu.  Max.
  0.00  0.00  0.00  2.24  0.00  60.00

patient.samples.sample.portions.portion.slides.slide.percent_stromal_cells:
  Min. 1st Qu.  Median    Mean 3rd Qu.  Max.
  0.00  0.00  19.50  17.62  27.25  75.00

patient.samples.sample.portions.portion.slides.slide.percent_tumor_cells:
  Min. 1st Qu.  Median    Mean 3rd Qu.  Max.
 15.00  70.00  80.00  77.72  90.00 100.00

patient.samples.sample.portions.portion.slides.slide.percent_tumor_nuclei:
  Min. 1st Qu.  Median    Mean 3rd Qu.  Max.
 60.00  70.00  80.00  78.12  85.00  99.00

patient.samples.sample.portions.portion.slides.slide.section_location:
bottom    top
   12     400

patient.samples.sample.portions.portion.weight:
  6 10 20 25 30
  1  8 24  1 378

patient.samples.sample.portions.portion.year_of_creation:
2010 2011 2012 2013 2014
  13  67  93  99 140

patient.samples.sample.portions.shipment_portion.center_id:
  20 NA's
 344  68

patient.samples.sample.portions.shipment_portion.is_ffpe:
  no NA's
 344  68

patient.samples.sample.portions.shipment_portion.portion_number:
  Min. 1st Qu.  Median    Mean 3rd Qu.  Max.  NA's
 11.00  21.00  21.00  21.58  21.00  61.00   68

patient.samples.sample.portions.shipment_portion.portion_sequence:
  Min. 1st Qu.  Median    Mean 3rd Qu.  Max.  NA's
  1.000  2.000  2.000  2.089  2.000  6.000  177

patient.samples.sample.portions.shipment_portion.shipment_portion_day_of_shipmen
  10  14  30 NA's
  54  73  217  68

```

```
patient.samples.sample.portions.shipment_portion.shipment_portion_month_of_shipme
  1    7   11 NA's
54 217   73   68
```

```
patient.samples.sample.portions.shipment_portion.shipment_portion_year_of_shipme
2012 2014 NA's
127 217   68
```

```
patient.samples.sample.sample_type:
primary tumor
      412
```

```
patient.samples.sample.sample_type_id:
  1
412
```

```
patient.samples.sample.vial_number:
  a    b
409   3
```

```
batchID:
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.    NA's
  86.0  139.0   199.0   186.5  235.0   249.0   281
```

```
studyName:
Bladder    NA's
  131      281
```

```
AdditionalSurgeryForNewTumorEventLocoReg:
No  Yes NA's
  6   2  404
```

```
AddtlTreatmentNewTumorEventPharmaceuticalTherapy:
No  Yes NA's
  3   5  404
```

```
AddtlTreatmentNewTumorEventRadiationTherapy:
No  Yes NA's
  4   4  404
```

```
AdjuvantPostOperativePharmaceuticalTherapy:
No Unknown    Yes    NA's
  19     11     19     363
```

```
AdjuvantPostOperativeRadiationTherapy:
No Unknown    Yes    NA's
  37     11     1     363
```

```
Age.at.Diagnosis:
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.    NA's
 34.38  60.35   68.85   68.49  76.46   87.98   281
```


AgeAtOnsetOfTobaccoSmoking:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
9.00	15.00	20.00	21.39	25.00	53.00	355

CancerType3:

Colon	Esophagus
1	1
Kidney-except Pelvis, Multiple Myeloma	Rectum
1	1
NA's	
408	

CancerType4:

Lung Bronchus, Melanoma	NA's
1	411

Days.from.Diagnosis.to.Form.Completion:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
120.0	261.0	344.0	747.9	824.5	4740.0	281

Days.from.Diagnosis.to.New.Tumor.Event:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
84.0	143.0	244.0	353.7	547.0	991.0	403

Days.from.Diagnosis.to.New.Tumor.Event.Surgery:

167	991	NA's
1	1	410

Days.from.Diagnosis.to.Death:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
11.0	152.8	258.5	351.1	548.2	1423.0	380

Year.of.Diagnosis:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1999	2009	2011	2010	2011	2012	281

Days.to.Follow.up:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0.0	82.5	187.0	414.4	320.5	3989.0	313

DiagnosisSubtype:

Non-papillary	Papillary	NA's
88	41	283

131 281

NewTumorEventAfterInitialTreatment:

No	Unknown	Yes	NA's
40	1	8	363

Nodes_Ex:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0.00	8.00	14.00	18.45	26.00	85.00	313

NumberOfPackYearsSmoked:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1.50	20.00	30.50	37.18	48.25	132.00	334

OccupationYearsWorked:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
20.00	25.00	40.00	35.44	40.00	49.00	403

OtherMetastaticSite:

ileocecum	Lung	NA's
1	1	410

OtherSiteOfNewTumorEvent:

	Brain
	1
pelvic mass with adherence to pelvic sidewall and sigmoid colon	1
	pelvis
	2
	NA's
	408

PathologicDistantSpread:

M0	M1	MX	NA's
77	4	49	282

PatientCompleteResponse:

No	Yes	NA's
4	2	406

PatientHaveHistoryOfBladderCancer:

No	Unknown	Yes	NA's
34	1	12	365

PatientInductionCourse:

No	Unknown	Yes	NA's
1	1	5	405

PatientMaintenanceCourse:

No	Unknown	Yes	NA's
2	1	4	405

PatientMonthsFromFirstBCG:

8	26	NA's
1	1	410

PatientReceivedBCGTreatment90Days:

No	NA's
8	404

PatientTreated:

Bacillus Calmette-Guerin (BCG)	Transurethral resection alone
6	3
NA's	
403	

Pos_Light_Micro:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0.000	0.000	0.000	1.812	2.000	22.000	316

PrimarySiteOfDisease:

Bladder	NA's
131	281

PriorTumor:

No	Yes	NA's
98	33	281

ProspectiveCollection:

No	Yes	NA's
42	89	281

PtHeightCm:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
147.0	166.5	175.0	172.9	180.4	196.0	305

PtWeightKg:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
48.00	70.00	81.00	84.98	92.05	292.00	302

Race:

Asian	Black or African American	Not Evaluated
8	6	1
White	NA's	
108	289	

Relative3:

Brother	Sister	NA's
3	1	408

Relative4:

Child	NA's
1	411

RetrospectiveCollection:

No	Yes	NA's
89	42	281

SiteOfNewTumorEvent:

	Liver	Lung	Lymph Node Only
	1	2	2
Other (please specify)		NA's	
	4	403	

TumorGrade:

High Grade	Low Grade	Unknown	NA's
124	6	1	281

TumorStage:

Stage I	Stage II	Stage III	Stage IV	NA's
1	37	44	45	285

TumorStatus:

Tumor Free	Unknown With Tumor	NA's
71	5	42
		294

TypeOfNewTumorEvent:

	Distant Metastasis	Locoregional (Urothelial tumor event)
	5	4
	NA's	
	403	

VitalStatus:

Deceased	Living	NA's
32	99	281

YearTobaccoSmokingCeased:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1950	1980	1995	1991	2008	2012	347

Description

A document describing the TCGA cancer code

Details

```

> experiments( BRCA )
ExperimentList class object of length 13:
 [1] CNASeq-20160128: RaggedExperiment with 5298 rows and 38 columns
 [2] CNASNP-20160128: RaggedExperiment with 1132786 rows and 2209 columns
 [3] CNVSNP-20160128: RaggedExperiment with 284458 rows and 2199 columns
 [4] GISTIC_AllByGene-20160128: SummarizedExperiment with 24776 rows and 1080 columns
 [5] GISTIC_ThresholdedByGene-20160128: SummarizedExperiment with 24776 rows and 1080 columns
 [6] Methylation_methyl27-20160128: SummarizedExperiment with 27578 rows and 343 columns
 [7] Methylation_methyl450-20160128: SummarizedExperiment with 485577 rows and 8 columns
 [8] miRNASeqGene-20160128: SummarizedExperiment with 1046 rows and 849 columns
 [9] mRNAArray-20160128: SummarizedExperiment with 17814 rows and 590 columns
 [10] Mutation-20160128: RaggedExperiment with 90490 rows and 993 columns
 [11] RNASeq2GeneNorm-20160128: SummarizedExperiment with 20501 rows and 1212 columns
 [12] RNASeqGene-20160128: SummarizedExperiment with 20502 rows and 878 columns
 [13] RPPAArray-20160128: SummarizedExperiment with 226 rows and 937 columns

> rownames( BRCA )
CharacterList of length 13
[["CNASeq-20160128"]] character(0)
[["CNASNP-20160128"]] character(0)
[["CNVSNP-20160128"]] character(0)
[["GISTIC_AllByGene-20160128"]] ACAP3 ACTRT2 ... WASIR1|ENSG00000185203.7
[["GISTIC_ThresholdedByGene-20160128"]] ACAP3 ... WASIR1|ENSG00000185203.7
[["Methylation_methyl27-20160128"]] cg00000292 cg00002426 ... cg27665659
[["Methylation_methyl450-20160128"]] cg00000029 cg00000108 ... rs9839873
[["miRNASeqGene-20160128"]] hsa-let-7a-1 hsa-let-7a-2 ... hsa-mir-99b
[["mRNAArray-20160128"]] ELMO2 CREB3L1 RPS11 PNMA1 ... SLC39A6 SNRPD2 AQP7 CTSC
[["Mutation-20160128"]] character(0)
...
<3 more elements>

> colnames( BRCA )
CharacterList of length 13
[["CNASeq-20160128"]] TCGA-A2-A0EU-01A-22D-A060-02 ...
[["CNASNP-20160128"]] TCGA-3C-AAAU-01A-11D-A41E-01 ...
[["CNVSNP-20160128"]] TCGA-3C-AAAU-01A-11D-A41E-01 ...
[["GISTIC_AllByGene-20160128"]] TCGA-3C-AAAU-01A-11D-A41E-01 ...
[["GISTIC_ThresholdedByGene-20160128"]] TCGA-3C-AAAU-01A-11D-A41E-01 ...
[["Methylation_methyl27-20160128"]] TCGA-A1-A0SD-01A-11D-A112-05 ...
[["Methylation_methyl450-20160128"]] TCGA-3C-AAAU-01A-11D-A41Q-05 ...
[["miRNASeqGene-20160128"]] TCGA-3C-AAAU-01A-11R-A41G-13 ...
[["mRNAArray-20160128"]] TCGA-A1-A0SD-01A-11R-A115-07 ...
[["Mutation-20160128"]] TCGA-A1-A0SB-01A-11D-A142-09 ...
...
<3 more elements>

Sizes of each ExperimentList element:

```

	assay	size.Mb
1	CNASeq-20160128	0.2 Mb
2	CNASNP-20160128	30.9 Mb
3	CNVSNP-20160128	8.2 Mb
4	GISTIC_AllByGene-20160128	4.4 Mb
5	GISTIC_ThresholdedByGene-20160128	4.4 Mb
6	Methylation_methyl27-20160128	4.4 Mb
7	Methylation_methyl450-20160128	67.5 Mb
8	miRNASeqGene-20160128	0.1 Mb
9	mRNAArray-20160128	1 Mb
10	Mutation-20160128	64.6 Mb
11	RNASeq2GeneNorm-20160128	1.2 Mb
12	RNASeqGene-20160128	1.2 Mb
13	RPPAArray-20160128	0.1 Mb

Overall survival time-to-event summary (in years):

Call: survfit(formula = survival::Surv(colDat\$days_to_death/365, colDat\$vital_status - 1)

947 observations deleted due to missingness
n events median 0.95LCL 0.95UCL
151.00 151.00 3.48 2.83 4.50

Available sample meta-data:

years_to_birth:
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
26.0 49.0 59.0 58.6 68.0 90.0 16

vital_status:
0 1 NA's
945 152 1

days_to_death:
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
116.0 700.5 1272.0 1644.7 2367.0 7455.0 947

days_to_last_followup:
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
-7 440 761 1183 1572 8605 153

tumor_tissue_site:
breast NA's
1097 1

pathology_M_stage:

cm0 (i+)	m0	m1	mx	NA's
6	906	22	163	1

gender:

female	male	NA's
1085	12	1

date_of_initial_pathologic_diagnosis:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1988	2007	2009	2008	2010	2013	3

days_to_last_known_alive:

735	2576	NA's
1	1	1096

radiation_therapy:

no	yes	NA's
446	556	96

number_of_lymph_nodes:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0.000	0.000	1.000	2.363	2.000	35.000	169

race:

american indian or alaska native	1	asian	61
black or african american	183	white	757
NA's	96		

ethnicity:

hispanic or latino	not hispanic or latino	NA's
39	884	175

admin.bcr:

nationwide children's hospital	1097	NA's	1
--------------------------------	------	------	---

admin.day_of_dcc_upload:

1	NA's
1097	1

admin.disease_code:

brca	NA's
1097	1

admin.month_of_dcc_upload:

10 NA's
1097 1

admin.patient_withdrawal.withdrawn:

false NA's
1097 1

admin.project_code:

tcga NA's
1097 1

admin.year_of_dcc_upload:

2015 NA's
1097 1

patient.additional_studies.additional_study.disease_code:

fppp NA's
5 1093

patient.additional_studies.additional_study.project_code:

tcga NA's
5 1093

patient.age_at_initial_pathologic_diagnosis:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
26.00	49.00	58.00	58.46	67.00	90.00	1

patient.anatomic_neoplasm_subdivisions.anatomic_neoplasm_subdivision.5:

left	left lower outer quadrant	1
4		
right	right lower outer quadrant	1
5		
	NA's	
	1087	

patient.breast_cancer_surgery_margin_status:

close	negative	positive	NA's
1	56	2	1039

patient.breast_carcinoma_estrogen_receptor_status:

indeterminate	negative	positive	NA's
2	238	808	50

```

patient.breast_carcinoma_immunohistochemistry_er_pos_finding_scale:
3 point scale 4 point scale      NA's
                130                17                951

```

```

patient.breast_carcinoma_immunohistochemistry_progesterone_receptor_pos_finding_
3 point scale 4 point scale      NA's
                126                16                956

```

```

patient.breast_carcinoma_primary_surgical_procedure_name:
                lumpectomy                mastectomy nos
                        9                        18
modified radical mastectomy                other
                        14                        14
                NA's
                1043

```

```

patient.breast_carcinoma_progesterone_receptor_status:
indeterminate      negative      positive      NA's
                4                344                699                51

```

```

patient.breast_carcinoma_surgical_procedure_name:
                lumpectomy modified radical mastectomy
                        247                        322
                other                simple mastectomy
                        272                        200
                NA's
                57

```

```

patient.clinical_cqcf.consent_or_death_status:
consented deceased waiver      NA's
                1055                41                1                1

```

```

patient.clinical_cqcf.days_to_consent:
Min. 1st Qu. Median Mean 3rd Qu. Max.      NA's
-1452.00    0.00   15.00  84.77  34.00 6029.00    45

```

```

patient.clinical_cqcf.days_to_death:
Min. 1st Qu. Median Mean 3rd Qu. Max.      NA's
  224   1034   1673   1799   2273   3959   1057

```

```

patient.clinical_cqcf.history_of_neoadjuvant_treatment:
                no
                1093
yes, pharmaceutical treatment prior to resection
                3
                NA's
                2

```

```
patient.clinical_cqcf.normal_tissue_anatomic_site:
breast  other  NA's
  281    27    790
```

```
patient.clinical_cqcf.normal_tissue_proximity:
distal (>2cm)      NA's
      283          815
```

```
patient.clinical_cqcf.tumor_type:
primary  NA's
  1097    1
```

```
patient.cytokeratin_immunohistochemistry_staining_method_micrometastasis_indicat
no  yes NA's
467 263 368
```

```
patient.day_of_form_completion:
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.    NA's
  1.00   9.00  15.00  16.31  26.00  31.00     1
```

```
patient.days_to_birth:
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.    NA's
-32873 -24869 -21560 -21587 -18028  -9706    16
```

```
patient.days_to_death:
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.    NA's
 116.0  752.8 1409.0 1617.3 2384.0 4456.0   994
```

```
patient.days_to_initial_pathologic_diagnosis:
  0 NA's
1097  1
```

```
patient.days_to_last_followup:
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.    NA's
  -7.0  109.0  360.0  730.1 1034.0 7067.0   105
```

```
patient.distant_metastasis_present_ind2:
no  yes NA's
381  12  705
```

```
patient.drugs.drug.10.bcr_drug_barcode:
tcga-a2-a0ew-d59521 tcga-ao-a03n-d20931 tcga-e2-a107-d17174 tcga-gm-a2da-d47223
      1          1          1          1
      NA's
      1094
```

```
patient.drugs.drug.10.bcr_drug_uuid:
01259757-dd3d-4df9-9686-9cb07ae8a150 1b00197c-7f84-4429-80e9-471f087d8753
      1          1
46e34570-da26-49e6-9564-cd69c9a9ece6 b90f3a89-5cdc-406e-b9b8-c850c6c5dd76
```


2 1096

patient.drugs.drug.10.therapy_ongoing:

no yes NA's
3 1 1094

patient.drugs.drug.10.therapy_types.therapy_type:

ancillary chemotherapy hormone therapy NA's
1 2 1 1094

patient.drugs.drug.10.total_dose:

704 4200 NA's
1 1 1096

patient.drugs.drug.10.total_dose_units:

mg NA's
2 1096

patient.drugs.drug.10.tx_on_clinical_trial:

no NA's
2 1096

patient.drugs.drug.10.year_of_form_completion:

2011 2012 2013 2014 NA's
1 1 1 1 1094

patient.drugs.drug.11.bcr_drug_barcode:

tcga-a2-a0ew-d59522 tcga-ao-a03n-d20927 tcga-e2-a107-d17823 tcga-gm-a2da-d47224
1 1 1 1
NA's
1094

patient.drugs.drug.11.bcr_drug_uuid:

66bf0675-e5ac-453d-b319-3e0dce3c4c2a b6bdb863-8723-4e39-981c-050bd35d2153
1 1
c89e1f88-a478-4697-9540-2ac63a295747 dc919671-3b3f-4a46-b89c-1b4bb7f356d1
1 1
NA's
1094

patient.drugs.drug.11.day_of_form_completion:

14 23 24 28 NA's
1 1 1 1 1094

patient.drugs.drug.11.days_to_drug_therapy_end:

333 1722 1762 4494 NA's
1 1 1 1 1094

patient.drugs.drug.11.days_to_drug_therapy_start:

249 1618 1699 4470 NA's
1 1 1 1 1094

```

patient.drugs.drug.11.drug_name:
bevacizumab tamoxifen tesetaxel      xeloda      NA's
           1           1           1           1      1094

patient.drugs.drug.11.measure_of_response:
clinical progressive disease          NA's
                                   2          1096

patient.drugs.drug.11.month_of_form_completion:
  1   5   8   9 NA's
  1   1   1   1 1094

patient.drugs.drug.11.number_cycles:
  4 NA's
  2 1096

patient.drugs.drug.11.prescribed_dose:
 27 1049 NA's
  1   1 1096

patient.drugs.drug.11.prescribed_dose_units:
  mg mg/m2  NA's
  1   1   1096

patient.drugs.drug.11.regimen_indication:
  adjuvant recurrence      NA's
           1           1      1096

patient.drugs.drug.11.regimen_number:
  3   9 NA's
  1   1 1096

patient.drugs.drug.11.route_of_administrations.route_of_administration:
intravenous (iv)          oral          NA's
                                   1           1          1096

patient.drugs.drug.11.therapy_ongoing:
  no NA's
  4 1094

patient.drugs.drug.11.therapy_types.therapy_type:
  chemotherapy hormone therapy      NA's
           3           1          1094

patient.drugs.drug.11.total_dose:
 230 4196 NA's
  1   1 1096

patient.drugs.drug.11.total_dose_units:
  mg NA's
  2 1096

```

patient.drugs.drug.11.tx_on_clinical_trial:

no yes NA's
1 1 1096

patient.drugs.drug.11.year_of_form_completion:

2011 2012 2013 2014 NA's
1 1 1 1 1094

patient.drugs.drug.12.bcr_drug_barcode:

tcga-a2-a0ew-d59523 tcga-ao-a03n-d20923 tcga-gm-a2da-d47225 NA's
1 1 1 1095

patient.drugs.drug.12.bcr_drug_uid:

105c9e04-6f4f-4bc9-98d4-c5e70d9bc254 9faae45e-9014-4cd8-bbba-f327c60e65d7 1 1
d8b2fed7-8269-47d8-90dc-e1a16e08e05f NA's
1 1095

patient.drugs.drug.12.day_of_form_completion:

14 23 24 NA's
1 1 1 1095

patient.drugs.drug.12.days_to_drug_therapy_end:

1667 1787 4494 NA's
1 1 1 1095

patient.drugs.drug.12.days_to_drug_therapy_start:

1639 1696 4470 NA's
1 1 1 1095

patient.drugs.drug.12.drug_name:

doxorubicin liposome fulvestrant yondelis
1 1 1
NA's
1095

patient.drugs.drug.12.measure_of_response:

clinical progressive disease NA's
2 1096

patient.drugs.drug.12.month_of_form_completion:

1 5 8 NA's
1 1 1 1095

patient.drugs.drug.12.number_cycles:

3 NA's
1 1097

patient.drugs.drug.12.prescribed_dose:

250/5 NA's
1 1097

patient.drugs.drug.12.prescribed_dose_units:

mg/ml NA's
1 1097

patient.drugs.drug.12.regimen_indication:

recurrence NA's
1 1097

patient.drugs.drug.12.regimen_number:

8 NA's
1 1097

patient.drugs.drug.12.route_of_administrations.route_of_administration:

intramuscular (im) NA's
1 1097

patient.drugs.drug.12.therapy_ongoing:

no NA's
3 1095

patient.drugs.drug.12.therapy_types.therapy_type:

chemotherapy hormone therapy NA's
2 1 1095

patient.drugs.drug.12.total_dose:

1500 NA's
1 1097

patient.drugs.drug.12.total_dose_units:

mg NA's
1 1097

patient.drugs.drug.12.tx_on_clinical_trial:

no yes NA's
1 1 1096

patient.drugs.drug.12.year_of_form_completion:

2012 2013 2014 NA's
1 1 1 1095

patient.drugs.drug.13.bcr_drug_barcode:

tcga-ao-a03n-d20930 tcga-gm-a2da-d47228 NA's
1 1 1096

patient.drugs.drug.13.bcr_drug_uuid:

a7b8633b-19cd-4008-887d-77be720af867 c4226dfd-8e7a-4898-acd6-2e907f30dd99
1 1
NA's
1096

patient.drugs.drug.13.day_of_form_completion:

23 24 NA's

1 1 1096

patient.drugs.drug.13.days_to_drug_therapy_end:

1842 4720 NA's

1 1 1096

patient.drugs.drug.13.days_to_drug_therapy_start:

1835 4515 NA's

1 1 1096

patient.drugs.drug.13.drug_name:

gemcitabine xeloda NA's

1 1 1096

patient.drugs.drug.13.measure_of_response:

stable disease NA's

1 1097

patient.drugs.drug.13.month_of_form_completion:

1 8 NA's

1 1 1096

patient.drugs.drug.13.number_cycles:

2 NA's

1 1097

patient.drugs.drug.13.prescribed_dose:

800 NA's

1 1097

patient.drugs.drug.13.prescribed_dose_units:

mg/m2 NA's

1 1097

patient.drugs.drug.13.regimen_indication:

recurrence NA's

1 1097

patient.drugs.drug.13.regimen_number:

11 NA's

1 1097

patient.drugs.drug.13.route_of_administrations.route_of_administration:

intravenous (iv) NA's

1 1097

patient.drugs.drug.13.therapy_ongoing:

no NA's

2 1096

patient.drugs.drug.13.therapy_types.therapy_type:

chemotherapy NA's

2 1096

patient.drugs.drug.13.total_dose:

2800 NA's

1 1097

patient.drugs.drug.13.total_dose_units:

mg NA's

1 1097

patient.drugs.drug.13.tx_on_clinical_trial:

no NA's

1 1097

patient.drugs.drug.13.year_of_form_completion:

2012 2013 NA's

1 1 1096

patient.drugs.drug.14.bcr_drug_barcode:

tcga-gm-a2da-d47229 NA's

1 1097

patient.drugs.drug.14.bcr_drug_uuid:

e41e7973-fe0f-4d97-a8db-69bfe8b0d08c

1

NA's

1097

patient.drugs.drug.14.day_of_form_completion:

23 NA's

1 1097

patient.drugs.drug.14.days_to_drug_therapy_end:

5015 NA's

1 1097

patient.drugs.drug.14.days_to_drug_therapy_start:

4721 NA's

1 1097

patient.drugs.drug.14.drug_name:

aromasin NA's

1 1097

patient.drugs.drug.14.measure_of_response:

stable disease NA's

1 1097

patient.drugs.drug.14.month_of_form_completion:

8 NA's

1 1097

patient.drugs.drug.14.therapy_ongoing:

no NA's

1 1097

patient.drugs.drug.14.therapy_types.therapy_type:
hormone therapy NA's
1 1097

patient.drugs.drug.14.tx_on_clinical_trial:
no NA's
1 1097

patient.drugs.drug.14.year_of_form_completion:
2013 NA's
1 1097

patient.drugs.drug.15.bcr_drug_barcode:
tcga-gm-a2da-d47230 NA's
1 1097

patient.drugs.drug.15.bcr_drug_uuid:
f503b87e-a4f9-4fa8-9508-93b7658c1fda NA's
1 1097

patient.drugs.drug.15.day_of_form_completion:
23 NA's
1 1097

patient.drugs.drug.15.days_to_drug_therapy_end:
5455 NA's
1 1097

patient.drugs.drug.15.days_to_drug_therapy_start:
5021 NA's
1 1097

patient.drugs.drug.15.drug_name:
xeloda NA's
1 1097

patient.drugs.drug.15.measure_of_response:
stable disease NA's
1 1097

patient.drugs.drug.15.month_of_form_completion:
8 NA's
1 1097

patient.drugs.drug.15.therapy_ongoing:
no NA's
1 1097

patient.drugs.drug.15.therapy_types.therapy_type:
chemotherapy NA's

```

1 1097

patient.drugs.drug.15.tx_on_clinical_trial:
no NA's
1 1097

patient.drugs.drug.15.year_of_form_completion:
2013 NA's
1 1097

patient.drugs.drug.16.bcr_drug_barcode:
tcga-gm-a2da-d47231 NA's
1 1097

patient.drugs.drug.16.bcr_drug_uuid:
b9f6747c-a8e8-4dff-b2ff-6378094f03e1 NA's
1 1097

patient.drugs.drug.16.day_of_form_completion:
23 NA's
1 1097

patient.drugs.drug.16.days_to_drug_therapy_end:
5678 NA's
1 1097

patient.drugs.drug.16.days_to_drug_therapy_start:
5455 NA's
1 1097

patient.drugs.drug.16.drug_name:
abraxane NA's
1 1097

patient.drugs.drug.16.measure_of_response:
stable disease NA's
1 1097

patient.drugs.drug.16.month_of_form_completion:
8 NA's
1 1097

patient.drugs.drug.16.therapy_ongoing:
no NA's
1 1097

patient.drugs.drug.16.therapy_types.therapy_type:
chemotherapy NA's
1 1097

patient.drugs.drug.16.tx_on_clinical_trial:
no NA's

```

1 1097

patient.drugs.drug.16.year_of_form_completion:
2013 NA's

1 1097

patient.drugs.drug.17.bcr_drug_barcode:
tcga-gm-a2da-d47232 NA's
1 1097

patient.drugs.drug.17.bcr_drug_uuid:
3411631a-3c34-4a06-a5e7-db6f0e49ca25 NA's
1 1097

patient.drugs.drug.17.day_of_form_completion:
23 NA's
1 1097

patient.drugs.drug.17.days_to_drug_therapy_end:
5797 NA's
1 1097

patient.drugs.drug.17.days_to_drug_therapy_start:
5684 NA's
1 1097

patient.drugs.drug.17.drug_name:
ixabepilone NA's
1 1097

patient.drugs.drug.17.measure_of_response:
clinical progressive disease NA's
1 1097

patient.drugs.drug.17.month_of_form_completion:
8 NA's
1 1097

patient.drugs.drug.17.therapy_ongoing:
no NA's
1 1097

patient.drugs.drug.17.therapy_types.therapy_type:
chemotherapy NA's
1 1097

patient.drugs.drug.17.tx_on_clinical_trial:
no NA's
1 1097

patient.drugs.drug.17.year_of_form_completion:
2013 NA's

1 1097

patient.drugs.drug.18.bcr_drug_barcode:
tcga-gm-a2da-d47234 NA's
1 1097

patient.drugs.drug.18.bcr_drug_uuid:
bae1a1f1-6edc-4e7e-ba5e-632c9f3e6aa9 NA's
1 1097

patient.drugs.drug.18.day_of_form_completion:
23 NA's
1 1097

patient.drugs.drug.18.days_to_drug_therapy_end:
6028 NA's
1 1097

patient.drugs.drug.18.days_to_drug_therapy_start:
5797 NA's
1 1097

patient.drugs.drug.18.drug_name:
herceptin NA's
1 1097

patient.drugs.drug.18.measure_of_response:
stable disease NA's
1 1097

patient.drugs.drug.18.month_of_form_completion:
8 NA's
1 1097

patient.drugs.drug.18.therapy_ongoing:
no NA's
1 1097

patient.drugs.drug.18.therapy_types.therapy_type:
immunotherapy NA's
1 1097

patient.drugs.drug.18.tx_on_clinical_trial:
no NA's
1 1097

patient.drugs.drug.18.year_of_form_completion:
2013 NA's
1 1097

patient.drugs.drug.19.bcr_drug_barcode:
tcga-gm-a2da-d47236 NA's

	1	1097	
patient.drugs.drug.19.bcr_drug_uuid:			
28b70e98-675a-4649-a171-1ccc398cfb9f			NA's
	1		1097
patient.drugs.drug.19.day_of_form_completion:			
23 NA's			
1 1097			
patient.drugs.drug.19.days_to_drug_therapy_end:			
6029 NA's			
1 1097			
patient.drugs.drug.19.days_to_drug_therapy_start:			
5909 NA's			
1 1097			
patient.drugs.drug.19.drug_name:			
tamoxifen NA's			
1 1097			
patient.drugs.drug.19.measure_of_response:			
clinical progressive disease			NA's
	1		1097
patient.drugs.drug.19.month_of_form_completion:			
8 NA's			
1 1097			
patient.drugs.drug.19.therapy_ongoing:			
no NA's			
1 1097			
patient.drugs.drug.19.therapy_types.therapy_type:			
hormone therapy NA's			
1 1097			
patient.drugs.drug.19.tx_on_clinical_trial:			
no NA's			
1 1097			
patient.drugs.drug.19.year_of_form_completion:			
2013 NA's			
1 1097			
patient.drugs.drug.2.clinical_trail_drug_classification:			
n/a NA's			
23 1075			

patient.drugs.drug.2.day_of_form_completion:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1.00	8.00	15.00	14.81	21.00	31.00	521

patient.drugs.drug.2.days_to_drug_therapy_end:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
-1386.0	113.5	154.0	236.7	205.0	3094.0	611

patient.drugs.drug.2.days_to_drug_therapy_start:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
-1428.0	50.0	74.5	137.6	130.2	2422.0	554

patient.drugs.drug.2.measure_of_response:

clinical progressive disease	complete response
5	162
partial response	stable disease
4	7
NA's	
920	

patient.drugs.drug.2.month_of_form_completion:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1.000	3.000	7.000	6.768	11.000	12.000	521

patient.drugs.drug.2.number_cycles:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1.00	4.00	4.00	5.63	5.00	174.00	871

patient.drugs.drug.2.route_of_administrations.route_of_administration:

intramuscular (im)	intravenous (iv)	oral	subcutaneous (sc)
5	218	57	3
NA's			
815			

patient.drugs.drug.2.therapy_ongoing:

no	yes	NA's
514	56	528

patient.drugs.drug.2.therapy_types.therapy_type_notes:

ancillary	bisphosphonate	bisphosphonate therapy
1	2	1
NA's		
1094		


```

patient.drugs.drug.2.tx_on_clinical_trial:
  no  yes NA's
  250  20  828

patient.drugs.drug.2.year_of_form_completion:
  Min. 1st Qu.  Median    Mean 3rd Qu.  Max.  NA's
  2010   2011   2012     2012  2013   2015  521

patient.drugs.drug.20.bcr_drug_barcode:
tcga-gm-a2da-d47237          NA's
                   1          1097

patient.drugs.drug.20.bcr_drug_uuid:
d2f15985-953a-4b07-b205-27967c46571d          NA's
                                           1          1097

patient.drugs.drug.20.day_of_form_completion:
  23 NA's
  1 1097

patient.drugs.drug.20.days_to_drug_therapy_end:
6213 NA's
  1 1097

patient.drugs.drug.20.days_to_drug_therapy_start:
6051 NA's
  1 1097

patient.drugs.drug.20.drug_name:
xeloda  NA's
  1 1097

patient.drugs.drug.20.measure_of_response:
stable disease          NA's
                   1          1097

patient.drugs.drug.20.month_of_form_completion:
  8 NA's
  1 1097

patient.drugs.drug.20.therapy_ongoing:
  no NA's
  1 1097

patient.drugs.drug.20.therapy_types.therapy_type:
chemotherapy          NA's
                   1          1097

patient.drugs.drug.20.tx_on_clinical_trial:
  no NA's
  1 1097

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patient.drugs.drug.20.year_of_form_completion:
 2013 NA's
 1 1097

patient.drugs.drug.21.bcr_drug_barcode:
 tcga-gm-a2da-d47238 NA's
 1 1097

patient.drugs.drug.21.bcr_drug_uuid:
 89719fba-e180-4f48-ae3b-75cbfb127146 NA's
 1 1097

patient.drugs.drug.21.day_of_form_completion:
 23 NA's
 1 1097

patient.drugs.drug.21.days_to_drug_therapy_end:
 6536 NA's
 1 1097

patient.drugs.drug.21.days_to_drug_therapy_start:
 6051 NA's
 1 1097

patient.drugs.drug.21.drug_name:
 lapatinib NA's
 1 1097

patient.drugs.drug.21.measure_of_response:
 stable disease NA's
 1 1097

patient.drugs.drug.21.month_of_form_completion:
 8 NA's
 1 1097

patient.drugs.drug.21.therapy_ongoing:
 no NA's
 1 1097

patient.drugs.drug.21.therapy_types.therapy_type:
 chemotherapy NA's
 1 1097

patient.drugs.drug.21.tx_on_clinical_trial:
 no NA's
 1 1097

patient.drugs.drug.21.year_of_form_completion:
 2013 NA's
 1 1097

```

patient.drugs.drug.22.bcr_drug_barcode:
tcga-gm-a2da-d47240          NA's
          1                  1097

patient.drugs.drug.22.bcr_drug_uuid:
4cdd3f8e-eff0-49c7-972e-40ae2cab2b7a          NA's
          1                  1097

patient.drugs.drug.22.day_of_form_completion:
23 NA's
  1 1097

patient.drugs.drug.22.days_to_drug_therapy_end:
6422 NA's
  1 1097

patient.drugs.drug.22.days_to_drug_therapy_start:
6372 NA's
  1 1097

patient.drugs.drug.22.drug_name:
navelbine          NA's
          1        1097

patient.drugs.drug.22.measure_of_response:
clinical progressive disease          NA's
          1                          1097

patient.drugs.drug.22.month_of_form_completion:
8 NA's
  1 1097

patient.drugs.drug.22.therapy_ongoing:
no NA's
  1 1097

patient.drugs.drug.22.therapy_types.therapy_type:
chemotherapy          NA's
          1            1097

patient.drugs.drug.22.tx_on_clinical_trial:
no NA's
  1 1097

patient.drugs.drug.22.year_of_form_completion:
2013 NA's
  1 1097

patient.drugs.drug.23.bcr_drug_barcode:
tcga-gm-a2da-d47241          NA's
          1                  1097

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patient.drugs.drug.23.bcr_drug_uid:			
eebdc3b3-bcf1-4629-9c08-8129305599b7			NA's
	1		1097
patient.drugs.drug.23.day_of_form_completion:			
23 NA's			
1 1097			
patient.drugs.drug.23.days_to_drug_therapy_end:			
6536 NA's			
1 1097			
patient.drugs.drug.23.days_to_drug_therapy_start:			
6372 NA's			
1 1097			
patient.drugs.drug.23.drug_name:			
herceptin		NA's	
1		1097	
patient.drugs.drug.23.measure_of_response:			
stable disease		NA's	
1		1097	
patient.drugs.drug.23.month_of_form_completion:			
8 NA's			
1 1097			
patient.drugs.drug.23.therapy_ongoing:			
no NA's			
1 1097			
patient.drugs.drug.23.therapy_types.therapy_type:			
immunotherapy		NA's	
1		1097	
patient.drugs.drug.23.tx_on_clinical_trial:			
no NA's			
1 1097			
patient.drugs.drug.23.year_of_form_completion:			
2013 NA's			
1 1097			
patient.drugs.drug.3.clinical_trail_drug_classification:			
biological therapy/monoclonal antibody			n/a
	1		21
	taxol		NA's
	1		1075

```

patient.drugs.drug.3.day_of_form_completion:
  Min. 1st Qu.  Median    Mean 3rd Qu.  Max.  NA's
  1.00   8.00   14.00   14.72  21.00   31.00  633

patient.drugs.drug.3.days_to_drug_therapy_end:
  Min. 1st Qu.  Median    Mean 3rd Qu.  Max.  NA's
 -45.0  128.0  168.0  229.5  221.0  2331.0  711

patient.drugs.drug.3.days_to_drug_therapy_start:
  Min. 1st Qu.  Median    Mean 3rd Qu.  Max.  NA's
 -49.00  59.75  98.00  144.28  164.25  1918.00  658

patient.drugs.drug.3.measure_of_response:
clinical progressive disease      complete response
                                4                      122
                                partial response          stable disease
                                2                      4
                                NA's
                                966

patient.drugs.drug.3.month_of_form_completion:
  Min. 1st Qu.  Median    Mean 3rd Qu.  Max.  NA's
  1.000  3.000  8.000  6.944  11.000  12.000  633

patient.drugs.drug.3.number_cycles:
  Min. 1st Qu.  Median    Mean 3rd Qu.  Max.  NA's
  1.00   4.00   4.00   5.91   5.00  208.00  908

patient.drugs.drug.3.regimen_indication_notes:
cancer vaccine trial      NA's
                          1      1097

patient.drugs.drug.3.route_of_administrations.route_of_administration:
intravenous (iv)          oral subcutaneous (sc)      NA's
                          188          57          2          851

patient.drugs.drug.3.therapy_ongoing:
  no  yes  NA's
  400  63  635

patient.drugs.drug.3.therapy_types.therapy_type_notes:
aromatase inhibitor      bisphosphonate      NA's
                          1          2          1095

patient.drugs.drug.3.total_dose:

```

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1	478	1381	2436	4143	10000	934

patient.drugs.drug.3.total_dose_units:

mg	mg/day	mg/m2	ug	NA's
165	7	2	1	923

patient.drugs.drug.3.tx_on_clinical_trial:

no	yes	NA's
188	18	892

patient.drugs.drug.3.year_of_form_completion:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
2010	2011	2012	2012	2013	2015	633

patient.drugs.drug.4.clinical_trail_drug_classification:

n/a	NA's
19	1079

patient.drugs.drug.4.day_of_form_completion:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1.00	8.00	15.00	15.15	22.00	31.00	794

patient.drugs.drug.4.days_to_drug_therapy_end:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
45.0	143.0	189.0	333.1	280.5	2422.0	886

patient.drugs.drug.4.days_to_drug_therapy_start:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
-1.0	78.5	142.0	213.3	231.0	2332.0	806

patient.drugs.drug.4.measure_of_response:

clinical progressive disease	complete response
6	53
partial response	stable disease
1	5
NA's	
1033	

patient.drugs.drug.4.month_of_form_completion:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1.000	3.000	8.000	7.023	11.000	12.000	794

patient.drugs.drug.4.regimen_indication_notes:

cancer vaccine trial	neo-adjuvant	NA's
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1 1 1096

patient.drugs.drug.4.route_of_administrations.route_of_administration:
 intravenous (iv) oral subcutaneous (sc) NA's
 118 45 1 934

patient.drugs.drug.4.therapy_ongoing:
 no yes NA's
 225 78 795

patient.drugs.drug.4.therapy_types.therapy_type_notes:
 bisphosphonate
 3
 clinical trial - bisphosphonates as adjuvant therapy
 2
 phase iii clinical trial
 2
 NA's
 1091

patient.drugs.drug.4.total_dose:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 1 457 1372 3110 3906 75200 990

patient.drugs.drug.4.total_dose_units:
 mg mg/day mg/wk ug NA's
 108 6 1 1 982

patient.drugs.drug.4.tx_on_clinical_trial:
 no yes NA's
 119 15 964

patient.drugs.drug.4.year_of_form_completion:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 2010 2011 2012 2012 2012 2015 794

patient.drugs.drug.5.clinical_trail_drug_classification:
 n/a NA's
 12 1086

patient.drugs.drug.5.day_of_form_completion:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 1.00 8.00 13.00 13.97 20.00 31.00 961

patient.drugs.drug.5.days_to_drug_therapy_end:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 42.0 155.0 254.0 508.4 608.0 2881.0 1007

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patient.drugs.drug.5.days_to_drug_therapy_start:
  Min. 1st Qu.  Median    Mean 3rd Qu.  Max.  NA's
    0.0  109.0   203.0   364.9  335.0  2853.0  969

patient.drugs.drug.5.measure_of_response:
clinical progressive disease          complete response
                                   6                      16
      partial response                NA's
                                   1                      1075

patient.drugs.drug.5.month_of_form_completion:
  Min. 1st Qu.  Median    Mean 3rd Qu.  Max.  NA's
 1.000  4.000   8.000   7.146  11.000  12.000  961

patient.drugs.drug.5.number_cycles:
  Min. 1st Qu.  Median    Mean 3rd Qu.  Max.  NA's
  1.00   3.00   4.00   10.52   4.75  245.00  1048

patient.drugs.drug.5.regimen_indication:
      adjuvant other: specify in notes          progression
              70                             3                      3
recurrence                NA's
              1                             1021

patient.drugs.drug.5.regimen_indication_notes:
                                   cancer vaccine trial
                                   2
estrogen receptor antagonist in metastatic breast cancer
                                   1
                                   NA's
                                   1095

patient.drugs.drug.5.route_of_administrations.route_of_administration:
intramuscular (im)  intravenous (iv)          oral          NA's
                   1                   44          25          1028

patient.drugs.drug.5.therapy_ongoing:
  no  yes NA's
 98  39  961

patient.drugs.drug.5.therapy_types.therapy_type_notes:
      biphosphonate bisphosphonate therapy          NA's
              1                             1                      1096

patient.drugs.drug.5.total_dose:
  Min. 1st Qu.  Median    Mean 3rd Qu.  Max.  NA's
  1.0   243.8   1500.0  15303.3  4332.0  571500.0  1054

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patient.drugs.drug.5.total_dose_units:
  mg mg/day  mg/wk    ug  NA's
  41      2      1      2  1052

patient.drugs.drug.5.tx_on_clinical_trial:
  no  yes NA's
  52   8 1038

patient.drugs.drug.5.year_of_form_completion:
  Min. 1st Qu.  Median    Mean 3rd Qu.  Max.  NA's
  2010   2011   2012    2012  2012    2015  961

patient.drugs.drug.6.clinical_trail_drug_classification:
  n/a NA's
  5 1093

patient.drugs.drug.6.day_of_form_completion:
  Min. 1st Qu.  Median    Mean 3rd Qu.  Max.  NA's
  1.00   9.00   15.00   15.68  22.25   31.00  1030

patient.drugs.drug.6.days_to_drug_therapy_end:
  Min. 1st Qu.  Median    Mean 3rd Qu.  Max.  NA's
  22.0  181.2  432.5   605.2  793.2  3131.0  1052

patient.drugs.drug.6.days_to_drug_therapy_start:
  Min. 1st Qu.  Median    Mean 3rd Qu.  Max.  NA's
  22.0  137.0  287.0   454.6  497.2  3061.0  1032

patient.drugs.drug.6.measure_of_response:
clinical progressive disease          complete response
                                7                                7
                                stable disease                    NA's
                                2                                1082

patient.drugs.drug.6.month_of_form_completion:
  Min. 1st Qu.  Median    Mean 3rd Qu.  Max.  NA's
  1.000  4.000  8.000  6.941  9.000  12.000  1030

patient.drugs.drug.6.number_cycles:
  Min. 1st Qu.  Median    Mean 3rd Qu.  Max.  NA's
  1.000  2.000  3.500  4.286  4.000  22.000  1084

patient.drugs.drug.6.regimen_indication:
  adjuvant progression    NA's
  32                      1    1065

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patient.drugs.drug.6.regimen_number:
  Min. 1st Qu.  Median    Mean 3rd Qu.  Max.  NA's
  1.000  2.000  3.000  3.067  4.000  7.000  1068

patient.drugs.drug.6.route_of_administrations.route_of_administration:
intramuscular (im)  intravenous (iv)  oral  NA's
                   3                16    14    1065

patient.drugs.drug.6.therapy_ongoing:
  no  yes  NA's
  49  19  1030

patient.drugs.drug.6.therapy_types.therapy_type_notes:
phase iii clinical trial  NA's
                          1    1097

patient.drugs.drug.6.total_dose:
  Min. 1st Qu.  Median    Mean 3rd Qu.  Max.  NA's
  20.0  386.2  2886.0  3037.8  4186.0 10037.0  1080

patient.drugs.drug.6.total_dose_units:
  mg mg/day  NA's
  18     2  1078

patient.drugs.drug.6.tx_on_clinical_trial:
  no  yes  NA's
  30   5  1063

patient.drugs.drug.6.year_of_form_completion:
  Min. 1st Qu.  Median    Mean 3rd Qu.  Max.  NA's
  2010  2011  2012  2012  2012  2015  1030

patient.drugs.drug.7.clinical_trail_drug_classification:
antimetabolite  n/a  NA's
                1    1    1096

patient.drugs.drug.7.day_of_form_completion:
  Min. 1st Qu.  Median    Mean 3rd Qu.  Max.  NA's
  1.00  10.50  13.00  14.22  19.00  28.00  1071

patient.drugs.drug.7.days_to_drug_therapy_end:
  Min. 1st Qu.  Median    Mean 3rd Qu.  Max.  NA's
  79.0  164.2  400.0  659.0  746.8  3131.0  1074

patient.drugs.drug.7.days_to_drug_therapy_start:
  Min. 1st Qu.  Median    Mean 3rd Qu.  Max.  NA's
  29.0  78.0  208.0  562.4  577.0  3061.0  1071

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9 2 1087

patient.drugs.drug.7.year_of_form_completion:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
2010	2011	2012	2012	2012	2015	1071

patient.drugs.drug.8.day_of_form_completion:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
2.00	14.00	16.00	17.33	23.00	28.00	1083

patient.drugs.drug.8.days_to_drug_therapy_end:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
119.0	188.8	322.0	786.5	1032.5	3415.0	1086

patient.drugs.drug.8.days_to_drug_therapy_start:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
32.0	111.5	239.0	803.0	1099.0	3141.0	1083

patient.drugs.drug.8.measure_of_response:

clinical progressive disease	stable disease
3	1
NA's	
1094	

patient.drugs.drug.8.month_of_form_completion:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1.0	4.5	5.0	6.2	8.5	12.0	1083

patient.drugs.drug.8.number_cycles:

2	3	4	6	NA's
2	2	2	1	1091

patient.drugs.drug.8.prescribed_dose:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1.0	60.0	100.0	109.8	120.0	367.0	1089

patient.drugs.drug.8.prescribed_dose_units:

mg	mg/day	mg/m2	NA's
6	1	2	1089

patient.drugs.drug.8.regimen_indication:

adjuvant	progression	NA's
7	2	1089

patient.drugs.drug.8.regimen_number:

1	2	8	13	NA's
5	1	1	1	1090

patient.drugs.drug.8.route_of_administrations.route_of_administration:

intravenous (iv)	oral	subcutaneous (sc)	NA's
6	2	1	1089

patient.drugs.drug.8.therapy_ongoing:

no	yes	NA's
13	2	1083

patient.drugs.drug.8.therapy_types.therapy_type_notes:

bone metastases	NA's
1	1097

patient.drugs.drug.8.total_dose:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
200.0	330.0	520.0	905.3	1377.5	2202.0	1091

patient.drugs.drug.8.total_dose_units:

mg	NA's
7	1091

patient.drugs.drug.8.tx_on_clinical_trial:

no	NA's
6	1092

patient.drugs.drug.8.year_of_form_completion:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
2010	2011	2012	2012	2012	2015	1083

patient.drugs.drug.9.day_of_form_completion:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
12.0	14.0	16.0	18.3	23.0	28.0	1088

patient.drugs.drug.9.days_to_drug_therapy_end:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
93.0	231.5	861.5	1244.4	1628.5	4307.0	1090

patient.drugs.drug.9.days_to_drug_therapy_start:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
32.0	189.2	725.0	1080.3	1702.0	3434.0	1088

patient.drugs.drug.9.measure_of_response:

clinical	progressive disease	NA's
	3	1095

patient.drugs.drug.9.month_of_form_completion:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1.00	4.25	5.00	6.10	8.75	12.00	1088

patient.drugs.drug.9.number_cycles:

2 12 NA's
2 1 1095

patient.drugs.drug.9.prescribed_dose:
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
1 4 70 59 80 140 1093

patient.drugs.drug.9.prescribed_dose_units:
mg mg/kg mg/m2 NA's
3 1 1 1093

patient.drugs.drug.9.regimen_indication:
adjuvant recurrence NA's
4 1 1093

patient.drugs.drug.9.regimen_number:
1 2 7 10 NA's
1 1 1 1 1094

patient.drugs.drug.9.route_of_administrations.route_of_administration:
intravenous (iv) oral NA's
4 1 1093

patient.drugs.drug.9.therapy_ongoing:
no yes NA's
8 2 1088

patient.drugs.drug.9.therapy_types.therapy_type:
ancillary chemotherapy hormone therapy immunotherapy NA's
1 4 4 1 1088

patient.drugs.drug.9.total_dose:
140 280 495 1680 NA's
1 1 1 1 1094

patient.drugs.drug.9.total_dose_units:
mg NA's
4 1094

patient.drugs.drug.9.tx_on_clinical_trial:
no NA's
5 1093

patient.drugs.drug.9.year_of_form_completion:
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
2010 2011 2012 2012 2013 2015 1088

patient.drugs.drug.clinical_trial_drug_classification:
n/a NA's
37 1061

patient.drugs.drug.day_of_form_completion:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1.00	7.00	14.00	14.45	20.00	31.00	318

patient.drugs.drug.days_to_drug_therapy_end:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
-1386.0	117.0	155.0	244.6	207.2	3349.0	582

patient.drugs.drug.days_to_drug_therapy_start:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
-1428.0	49.0	74.0	120.1	126.0	3349.0	354

patient.drugs.drug.measure_of_response:

clinical progressive disease	complete response
7	180
partial response	stable disease
4	8
NA's	
899	

patient.drugs.drug.month_of_form_completion:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1.000	3.000	6.000	6.658	11.000	12.000	318

patient.drugs.drug.regimen_indication_notes:

given to induce menopause	neoadjuvant	NA's
1	1	1096

patient.drugs.drug.route_of_administrations.route_of_administration:

intramuscular (im)	intravenous (iv)	oral	subcutaneous (sc)
3	235	171	1
NA's			
688			

patient.drugs.drug.route_of_administrations.route_of_administration.2:

intravenous (iv)	oral	NA's
1	1	1096

patient.drugs.drug.therapy_ongoing:

no	yes	NA's
549	226	323

patient.drugs.drug.therapy_types.therapy_type.2:

hormone therapy	NA's
-----------------	------

2 1096

patient.drugs.drug.therapy_types.therapy_type_notes:

bisphosphonate therapy given to induce menopause	phase iii clinical trial
1	1
NA's	2
1094	

patient.drugs.drug.tx_on_clinical_trial:

no	yes	NA's
318	23	757

patient.drugs.drug.year_of_form_completion:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
2009	2011	2012	2012	2013	2015	318

patient.ethnicity:

hispanic or latino	not hispanic or latino	NA's
39	884	175

patient.first_nonlymph_node_metastasis_anatomic_sites.first_nonlymph_node_metast

bone	liver	lung	other, specify	NA's
13	2	5	4	1074

patient.first_nonlymph_node_metastasis_anatomic_sites.first_nonlymph_node_metast

bone	liver	other, specify	NA's
3	4	1	1090

patient.first_nonlymph_node_metastasis_anatomic_sites.first_nonlymph_node_metast

liver	NA's
2	1096

patient.first_nonlymph_node_metastasis_anatomic_sites.first_nonlymph_node_metast

other, specify	NA's
1	1097

patient.follow_ups.follow_up.2.additional_pharmaceutical_therapy:

no	yes	NA's
2	6	1090

patient.follow_ups.follow_up.2.additional_radiation_therapy:

no	yes	NA's
5	3	1090

patient.follow_ups.follow_up.2.additional_surgery_locoregional_procedure:

no	yes	NA's
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9 3 1086

patient.follow_ups.follow_up.2.additional_surgery_metastatic_procedure:
no NA's
1 1097

patient.follow_ups.follow_up.2.day_of_form_completion:
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
1.00 8.00 14.00 15.16 24.00 31.00 796

patient.follow_ups.follow_up.2.days_to_additional_surgery_metastatic_procedure:
295 798 1066 NA's
1 1 1 1095

patient.follow_ups.follow_up.2.days_to_death:
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
385 759 1082 1966 2694 7455 1074

patient.follow_ups.follow_up.2.days_to_last_followup:
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
217.0 879.5 1532.0 1792.0 2308.5 8605.0 831

patient.follow_ups.follow_up.2.days_to_new_tumor_event_after_initial_treatment:
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
83.0 180.0 387.0 687.8 1066.0 1922.0 1085

patient.follow_ups.follow_up.2.followup_case_report_form_submission_reason:
additional new tumor event scheduled follow-up submission
3 50
NA's
1045

patient.follow_ups.follow_up.2.her2_neu_and_centromere_17_copy_number_metastatic:
40 NA's
1 1097

patient.follow_ups.follow_up.2.her2_neu_metastatic_breast_carcinoma_copy_analysis:
4 NA's
1 1097

patient.follow_ups.follow_up.2.lost_follow_up:
no yes NA's
202 18 878

patient.follow_ups.follow_up.2.metastatic_breast_carcinoma_erbb2_immunohistochemistry:
0 1+ 2+ NA's
1 3 1 1093

patient.follow_ups.follow_up.2.metastatic_breast_carcinoma_estrogen_receptor_level:
20-29

1	2	1095	
patient.follow_ups.follow_up.2.metastatic_breast_carcinoma_estrogen_receptor_status			
negative	positive		NA's
4	4		1090
patient.follow_ups.follow_up.2.metastatic_breast_carcinoma_fluorescence_in_situ			
2.4			NA's
1			1097
patient.follow_ups.follow_up.2.metastatic_breast_carcinoma_her2_erbb_method_calculator			
3 point scale			NA's
	1		1097
patient.follow_ups.follow_up.2.metastatic_breast_carcinoma_her2_erbb_pos_finding			
<10			
1	1		1096
patient.follow_ups.follow_up.2.metastatic_breast_carcinoma_her2_erbb_pos_finding			
ratio >2.2			NA's
	1		1097
patient.follow_ups.follow_up.2.metastatic_breast_carcinoma_her2_neu_chromosome_17			
1.3	1.7		NA's
1	1		1096
patient.follow_ups.follow_up.2.metastatic_breast_carcinoma_immunohistochemistry			
4+			NA's
1			1097
patient.follow_ups.follow_up.2.metastatic_breast_carcinoma_immunohistochemistry			
4 point scale			NA's
	5		1093
patient.follow_ups.follow_up.2.metastatic_breast_carcinoma_immunohistochemistry			
2+			NA's
1			1097
patient.follow_ups.follow_up.2.metastatic_breast_carcinoma_immunohistochemistry			
4 point scale			NA's
	5		1093
patient.follow_ups.follow_up.2.metastatic_breast_carcinoma_lab_proc_her2_neu_immunohistochemistry			
equivocal	negative		NA's
2	6		1090
patient.follow_ups.follow_up.2.metastatic_breast_carcinoma_lab_proc_her2_neu_in_situ			
negative			NA's
2			1096
patient.follow_ups.follow_up.2.metastatic_breast_carcinoma_pos_finding_her2_erbb			
3 point scale			NA's

```

                2                1096

patient.follow_ups.follow_up.2.metastatic_breast_carcinoma_progesterone_receptor
10-19
    1        1        1        1    1094

patient.follow_ups.follow_up.2.metastatic_breast_carcinoma_progesterone_receptor
negative positive      NA's
    3        5        1090

patient.follow_ups.follow_up.2.month_of_form_completion:
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.  NA's
1.000  3.000  5.000  5.858 10.000 12.000   796

patient.follow_ups.follow_up.2.new_neoplasm_event_type:
  distant metastasis locoregional disease    new primary tumor
                8                2                2
                NA's
                1086

patient.follow_ups.follow_up.2.new_neoplasm_occurrence_anatomic_site_text:
                breast
                1
lung, bone, liver, brain and skin nodules
                1
                NA's
                1096

patient.follow_ups.follow_up.2.new_tumor_event_after_initial_treatment:
  no  yes NA's
 42  12 1044

patient.follow_ups.follow_up.2.new_tumor_events.new_tumor_event.2.additional_ph
no  yes NA's
 1  3 1094

patient.follow_ups.follow_up.2.new_tumor_events.new_tumor_event.2.additional_rad
no NA's
 4 1094

patient.follow_ups.follow_up.2.new_tumor_events.new_tumor_event.2.days_to_new_tu
524  648  790 1673 NA's
 1  1  1  1 1094

patient.follow_ups.follow_up.2.new_tumor_events.new_tumor_event.2.metastatic_bre
1+ NA's
 1 1097

patient.follow_ups.follow_up.2.new_tumor_events.new_tumor_event.2.metastatic_bre
positive      NA's
    1        1097

```

patient.follow_ups.follow_up.2.new_tumor_events.new_tumor_event.2.metastatic_bre
 3+ NA's
 1 1097

patient.follow_ups.follow_up.2.new_tumor_events.new_tumor_event.2.metastatic_bre
 3 point scale NA's
 1 1097

patient.follow_ups.follow_up.2.new_tumor_events.new_tumor_event.2.metastatic_bre
 2+ NA's
 1 1097

patient.follow_ups.follow_up.2.new_tumor_events.new_tumor_event.2.metastatic_bre
 3 point scale NA's
 1 1097

patient.follow_ups.follow_up.2.new_tumor_events.new_tumor_event.2.metastatic_bre
 negative NA's
 1 1097

patient.follow_ups.follow_up.2.new_tumor_events.new_tumor_event.2.metastatic_bre
 positive NA's
 1 1097

patient.follow_ups.follow_up.2.new_tumor_events.new_tumor_event.2.new_neoplasm_e
 liver other, specify NA's
 2 1 1095

patient.follow_ups.follow_up.2.new_tumor_events.new_tumor_event.2.new_neoplasm_e
 distant metastasis locoregional recurrence NA's
 3 1 1094

patient.follow_ups.follow_up.2.new_tumor_events.new_tumor_event.2.new_neoplasm_o
 omentum NA's
 1 1097

patient.follow_ups.follow_up.2.new_tumor_events.new_tumor_event.2.new_tumor_even
 no NA's
 3 1095

patient.follow_ups.follow_up.2.new_tumor_events.new_tumor_event.3.additional pha
 no NA's
 1 1097

patient.follow_ups.follow_up.2.new_tumor_events.new_tumor_event.3.additional rad
 no NA's
 1 1097

patient.follow_ups.follow_up.2.new_tumor_events.new_tumor_event.3.days_to_new_tu
 672 NA's
 1 1097

```

patient.follow_ups.follow_up.2.new_tumor_events.new_tumor_event.3.new_neoplasm_e
liver NA's
    1 1097

patient.follow_ups.follow_up.2.new_tumor_events.new_tumor_event.3.new_neoplasm_e
distant metastasis NA's
                1 1097

patient.follow_ups.follow_up.2.new_tumor_events.new_tumor_event.3.new_tumor_even
no NA's
    1 1097

patient.follow_ups.follow_up.2.new_tumor_events.new_tumor_event.additional_pharm
no yes NA's
    6 11 1081

patient.follow_ups.follow_up.2.new_tumor_events.new_tumor_event.additional_radia
no yes NA's
   12  5 1081

patient.follow_ups.follow_up.2.new_tumor_events.new_tumor_event.days_to_new_tumo
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.   NA's
586.0  937.5 1446.0 2076.5 2683.5 5117.0  1092

patient.follow_ups.follow_up.2.new_tumor_events.new_tumor_event.days_to_new_tumo
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.   NA's
 21.0  591.5 1290.0 1405.6 1714.5 5117.0  1075

patient.follow_ups.follow_up.2.new_tumor_events.new_tumor_event.her2_neu_and_cen
200 NA's
    1 1097

patient.follow_ups.follow_up.2.new_tumor_events.new_tumor_event.her2_neu_metasta
2.1  4.4 NA's
    1  1 1096

patient.follow_ups.follow_up.2.new_tumor_events.new_tumor_event.metastatic_breas
1+  2+ NA's
    3  1 1094

patient.follow_ups.follow_up.2.new_tumor_events.new_tumor_event.metastatic_breas
<10
    1  1 1096

patient.follow_ups.follow_up.2.new_tumor_events.new_tumor_event.metastatic_breas
negative positive NA's
    1  6 1091

patient.follow_ups.follow_up.2.new_tumor_events.new_tumor_event.metastatic_breas
2.2  3.1 NA's
    1  1 1096

```

patient.follow_ups.follow_up.2.new_tumor_events.new_tumor_event.metastatic_breas
<10

1 1097

patient.follow_ups.follow_up.2.new_tumor_events.new_tumor_event.metastatic_breas

1 4.1 NA's

1 1 1096

patient.follow_ups.follow_up.2.new_tumor_events.new_tumor_event.metastatic_breas

2+ 3+ NA's

1 4 1093

patient.follow_ups.follow_up.2.new_tumor_events.new_tumor_event.metastatic_breas

3 point scale NA's

5 1093

patient.follow_ups.follow_up.2.new_tumor_events.new_tumor_event.metastatic_breas

2+ 3+ NA's

3 2 1093

patient.follow_ups.follow_up.2.new_tumor_events.new_tumor_event.metastatic_breas

3 point scale NA's

5 1093

patient.follow_ups.follow_up.2.new_tumor_events.new_tumor_event.metastatic_breas

negative positive NA's

3 1 1094

patient.follow_ups.follow_up.2.new_tumor_events.new_tumor_event.metastatic_breas

negative NA's

2 1096

patient.follow_ups.follow_up.2.new_tumor_events.new_tumor_event.metastatic_breas

<10

1 1 1096

patient.follow_ups.follow_up.2.new_tumor_events.new_tumor_event.metastatic_breas

negative positive NA's

2 4 1092

patient.follow_ups.follow_up.2.new_tumor_events.new_tumor_event.new_neoplasm_eve

distant metastasis locoregional recurrence new primary tumor

11 4 4

NA's

1079

patient.follow_ups.follow_up.2.new_tumor_events.new_tumor_event.new_tumor_event_

no yes NA's

13 6 1079

```
patient.follow_ups.follow_up.2.new_tumor_events.new_tumor_event_after_initial_tr
  no  yes NA's
209  23  866
```

```
patient.follow_ups.follow_up.2.person_neoplasm_cancer_status:
tumor free with tumor      NA's
      240          28      830
```

```
patient.follow_ups.follow_up.2.postoperative_rx_tx:
  no  yes NA's
 17 211  870
```

```
patient.follow_ups.follow_up.2.radiation_therapy:
  no  yes NA's
121 167  810
```

```
patient.follow_ups.follow_up.2.targeted_molecular_therapy:
  no  yes NA's
   1  54 1043
```

```
patient.follow_ups.follow_up.2.vital_status:
alive  dead  NA's
267    24   807
```

```
patient.follow_ups.follow_up.2.year_of_form_completion:
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.    NA's
2011   2013   2013    2013   2014   2015    796
```

```
patient.follow_ups.follow_up.3.day_of_form_completion:
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.    NA's
 2.00  21.00   30.00   24.26  30.00   30.00  1048
```

```
patient.follow_ups.follow_up.3.days_to_death:
548 1048 NA's
   1    1 1096
```

```
patient.follow_ups.follow_up.3.days_to_last_followup:
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.    NA's
  525   1462   2670   2565   3180   5062   1050
```

```
patient.follow_ups.follow_up.3.lost_follow_up:
no NA's
50 1048
```

```
patient.follow_ups.follow_up.3.month_of_form_completion:
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.    NA's
  1.00   3.00   3.00   4.42   5.00   12.00  1048
```

```
patient.follow_ups.follow_up.3.new_tumor_events.new_tumor_event.2.additional pha
```

yes NA's
 1 1097

patient.follow_ups.follow_up.3.new_tumor_events.new_tumor_event.2.additional_rad
 yes NA's
 1 1097

patient.follow_ups.follow_up.3.new_tumor_events.new_tumor_event.2.days_to_new_tu
 102 NA's
 1 1097

patient.follow_ups.follow_up.3.new_tumor_events.new_tumor_event.2.new_neoplasm_e
 bone NA's
 1 1097

patient.follow_ups.follow_up.3.new_tumor_events.new_tumor_event.2.new_neoplasm_e
 distant metastasis NA's
 1 1097

patient.follow_ups.follow_up.3.new_tumor_events.new_tumor_event.2.new_tumor_eve
 no NA's
 1 1097

patient.follow_ups.follow_up.3.new_tumor_events.new_tumor_event.3.additional pha
 yes NA's
 1 1097

patient.follow_ups.follow_up.3.new_tumor_events.new_tumor_event.3.additional_rad
 no NA's
 1 1097

patient.follow_ups.follow_up.3.new_tumor_events.new_tumor_event.3.days_to_new_tu
 180 NA's
 1 1097

patient.follow_ups.follow_up.3.new_tumor_events.new_tumor_event.3.new_neoplasm_e
 lung NA's
 1 1097

patient.follow_ups.follow_up.3.new_tumor_events.new_tumor_event.3.new_neoplasm_e
 distant metastasis NA's
 1 1097

patient.follow_ups.follow_up.3.new_tumor_events.new_tumor_event.3.new_tumor_eve
 no NA's
 1 1097

patient.follow_ups.follow_up.3.new_tumor_events.new_tumor_event.4.additional pha
 yes NA's
 1 1097

patient.follow_ups.follow_up.3.new_tumor_events.new_tumor_event.4.additional_rad

no NA's
1 1097

patient.follow_ups.follow_up.3.new_tumor_events.new_tumor_event.4.days_to_new_tu
313 NA's
1 1097

patient.follow_ups.follow_up.3.new_tumor_events.new_tumor_event.4.new_neoplasm_e
liver NA's
1 1097

patient.follow_ups.follow_up.3.new_tumor_events.new_tumor_event.4.new_neoplasm_e
distant metastasis NA's
1 1097

patient.follow_ups.follow_up.3.new_tumor_events.new_tumor_event.4.new_tumor_eve
no NA's
1 1097

patient.follow_ups.follow_up.3.new_tumor_events.new_tumor_event.additional_pharm
yes NA's
1 1097

patient.follow_ups.follow_up.3.new_tumor_events.new_tumor_event.additional_radia
yes NA's
1 1097

patient.follow_ups.follow_up.3.new_tumor_events.new_tumor_event.days_to_new_tumo
179 NA's
1 1097

patient.follow_ups.follow_up.3.new_tumor_events.new_tumor_event.days_to_new_tumo
179 2561 NA's
1 1 1096

patient.follow_ups.follow_up.3.new_tumor_events.new_tumor_event.metastatic_breas
negative NA's
1 1097

patient.follow_ups.follow_up.3.new_tumor_events.new_tumor_event.metastatic_breas
1 NA's
1 1097

patient.follow_ups.follow_up.3.new_tumor_events.new_tumor_event.metastatic_breas
negative NA's
1 1097

patient.follow_ups.follow_up.3.new_tumor_events.new_tumor_event.metastatic_breas
negative NA's
1 1097

patient.follow_ups.follow_up.3.new_tumor_events.new_tumor_event.new_neoplasm_eve

```

other, specify          NA's
      1                1097

patient.follow_ups.follow_up.3.new_tumor_events.new_tumor_event.new_neoplasm_event_locoregional_recurrence
                                NA's
                                1                1097

patient.follow_ups.follow_up.3.new_tumor_events.new_tumor_event.new_neoplasm_occurrence_axilla
                                NA's
      1                1097

patient.follow_ups.follow_up.3.new_tumor_events.new_tumor_event.new_tumor_event_yes
                                NA's
      1                1097

patient.follow_ups.follow_up.3.new_tumor_events.new_tumor_event_after_initial_treatment
no yes NA's
47  2 1049

patient.follow_ups.follow_up.3.person_neoplasm_cancer_status:
tumor free with tumor          NA's
      46          4          1048

patient.follow_ups.follow_up.3.postoperative_rx_tx:
no yes NA's
      1  48 1049

patient.follow_ups.follow_up.3.radiation_therapy:
no yes NA's
      13  37 1048

patient.follow_ups.follow_up.3.vital_status:
alive dead NA's
      48  2  1048

patient.follow_ups.follow_up.3.year_of_form_completion:
2013 2014 2015 NA's
      3  12  35 1048

patient.follow_ups.follow_up.4.bcr_followup_barcode:
tcga-ar-a24q-f65802 tcga-e2-a152-f72471          NA's
                                1                1                1096

patient.follow_ups.follow_up.4.bcr_followup_uuid:
4516b9c5-d979-4a2d-837c-5e9079faad42 f8357f98-0281-4fe8-9b0b-288221e20b2d
                                1                1
                                NA's
                                1096

patient.follow_ups.follow_up.4.day_of_form_completion:
23  30 NA's
      1  1 1096

```

patient.follow_ups.follow_up.4.days_to_last_followup:
 2128 3172 NA's
 1 1 1096

patient.follow_ups.follow_up.4.lost_follow_up:
 no NA's
 2 1096

patient.follow_ups.follow_up.4.month_of_form_completion:
 6 9 NA's
 1 1 1096

patient.follow_ups.follow_up.4.new_tumor_events.new_tumor_event.additional_pharm:
 no NA's
 1 1097

patient.follow_ups.follow_up.4.new_tumor_events.new_tumor_event.additional_radiat:
 no NA's
 1 1097

patient.follow_ups.follow_up.4.new_tumor_events.new_tumor_event.days_to_new_tumor:
 1044 NA's
 1 1097

patient.follow_ups.follow_up.4.new_tumor_events.new_tumor_event.days_to_new_tumor:
 966 NA's
 1 1097

patient.follow_ups.follow_up.4.new_tumor_events.new_tumor_event.metastatic_breast:
 3+ NA's
 1 1097

patient.follow_ups.follow_up.4.new_tumor_events.new_tumor_event.metastatic_breast:
 negative NA's
 1 1097

patient.follow_ups.follow_up.4.new_tumor_events.new_tumor_event.metastatic_breast:
 positive NA's
 1 1097

patient.follow_ups.follow_up.4.new_tumor_events.new_tumor_event.metastatic_breast:
 negative NA's
 1 1097

patient.follow_ups.follow_up.4.new_tumor_events.new_tumor_event.new_neoplasm_event:
 other, specify NA's
 1 1097

patient.follow_ups.follow_up.4.new_tumor_events.new_tumor_event.new_neoplasm_event:
 locoregional recurrence NA's
 1 1097

```
patient.follow_ups.follow_up.4.new_tumor_events.new_tumor_event.new_neoplasm_occ
breast NA's
      1 1097
```

```
patient.follow_ups.follow_up.4.new_tumor_events.new_tumor_event.new_tumor_event_
yes NA's
      1 1097
```

```
patient.follow_ups.follow_up.4.new_tumor_events.new_tumor_event_after_initial_tr
no yes NA's
      1 1 1096
```

```
patient.follow_ups.follow_up.4.person_neoplasm_cancer_status:
tumor free NA's
          2 1096
```

```
patient.follow_ups.follow_up.4.postoperative_rx_tx:
yes NA's
      2 1096
```

```
patient.follow_ups.follow_up.4.radiation_therapy:
no yes NA's
      1 1 1096
```

```
patient.follow_ups.follow_up.4.vital_status:
alive NA's
      2 1096
```

```
patient.follow_ups.follow_up.4.year_of_form_completion:
2014 2015 NA's
      1 1 1096
```

```
patient.follow_ups.follow_up.additional_pharmaceutical_therapy:
no yes NA's
    18 34 1046
```

```
patient.follow_ups.follow_up.additional_radiation_therapy:
no yes NA's
    36 15 1047
```

```
patient.follow_ups.follow_up.additional_surgery_locoregional_procedure:
no yes NA's
    33 23 1042
```

```
patient.follow_ups.follow_up.additional_surgery_metastatic_procedure:
no NA's
    10 1088
```

```
patient.follow_ups.follow_up.breast_carcinoma_estrogen_receptor_status:
```

negative	positive	NA's
2	1	1095

patient.follow_ups.follow_up.breast_carcinoma_immunohistochemistry_pos_cell_score
 2+ NA's
 1 1097

patient.follow_ups.follow_up.breast_carcinoma_progesterone_receptor_status:		
negative	positive	NA's
2	1	1095

patient.follow_ups.follow_up.day_of_form_completion:						
Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1.00	8.00	15.00	14.52	22.00	31.00	99

patient.follow_ups.follow_up.days_to_additional_surgery_locoregional_procedure:						
179	295	1239	NA's			
1	1	1	1095			

patient.follow_ups.follow_up.days_to_additional_surgery_metastatic_procedure:						
Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
143.0	541.5	1018.5	1195.0	1380.5	3862.0	1078

patient.follow_ups.follow_up.days_to_death:						
Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
158.0	540.5	1018.0	1470.7	2246.2	6593.0	1012

patient.follow_ups.follow_up.days_to_last_followup:						
Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
-31.0	408.5	643.0	1030.2	1308.0	7126.0	187

patient.follow_ups.follow_up.days_to_last_known_alive:						
735	2576	NA's				
1	1	1096				

patient.follow_ups.follow_up.days_to_new_tumor_event_after_initial_treatment:						
Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
54.0	418.8	742.5	999.5	1360.2	3862.0	1038

patient.follow_ups.follow_up.er_level_cell_percentage_category:	
20-29	
1	1097

patient.follow_ups.follow_up.fluorescence_in_situ_hybridization_diagnostic_procedure:	
49	NA's
1	1097

patient.follow_ups.follow_up.followup_case_report_form_submission_reason:			
additional	new tumor event	scheduled follow-up	submission
		1	466
		NA's	
		631	

```

patient.follow_ups.follow_up.her2_erbb_method_calculation_method_text:
3+ positive      NA's
      1          1097

```

```

patient.follow_ups.follow_up.her2_erbb_pos_finding_cell_percent_category:
<10
  1 1097

```

```

patient.follow_ups.follow_up.her2_erbb_pos_finding_fluorescence_in_situ_hybridiz
>=2.0 positive      NA's
      1          1097

```

```

patient.follow_ups.follow_up.her2_immunohistochemistry_level_result:
  0 NA's
  2 1096

```

```

patient.follow_ups.follow_up.her2_neu_and_centromere_17_copy_number_analysis_inp
31 NA's
  1 1097

```

```

patient.follow_ups.follow_up.her2_neu_and_centromere_17_copy_number_metastatic_b
40 NA's
  1 1097

```

```

patient.follow_ups.follow_up.her2_neu_breast_carcinoma_copy_analysis_input_total
62 NA's
  1 1097

```

```

patient.follow_ups.follow_up.her2_neu_chromosome_17_signal_ratio_value:
  1  1.3 NA's
  1   1 1096

```

```

patient.follow_ups.follow_up.her2_neu_metastatic_breast_carcinoma_copy_analysis_
  4 NA's
  1 1097

```

```

patient.follow_ups.follow_up.immunohistochemistry_positive_cell_score:
  2+ NA's
  1 1097

```

```

patient.follow_ups.follow_up.lab_proc_her2_neu_immunohistochemistry_receptor_sta
negative      NA's
      2       1096

```

```

patient.follow_ups.follow_up.lab_procedure_her2_neu_in_situ_hybrid_outcome_type:
negative      NA's
      2       1096

```

```

patient.follow_ups.follow_up.lost_follow_up:
  no  yes NA's
372  46  680

```

patient.follow_ups.follow_up.metastatic_breast_carcinoma_erbb2_immunohistochemis
 1+ 2+ NA's
 3 4 1091

patient.follow_ups.follow_up.metastatic_breast_carcinoma_estrogen_receptor_detec
 allred score 0+0 = 0 image cytometry NA's
 1 3 1094

patient.follow_ups.follow_up.metastatic_breast_carcinoma_estrogen_receptor_level
 <10
 1 1 3 1093

patient.follow_ups.follow_up.metastatic_breast_carcinoma_estrogen_receptor_statu
 negative positive NA's
 7 8 1083

patient.follow_ups.follow_up.metastatic_breast_carcinoma_fluorescence_in_situ_hy
 2.4 NA's
 1 1097

patient.follow_ups.follow_up.metastatic_breast_carcinoma_her2_erbb_method_calcul
 3+ positive NA's
 3 1095

patient.follow_ups.follow_up.metastatic_breast_carcinoma_her2_erbb_pos_finding_c
 <10
 3 1 1 1093

patient.follow_ups.follow_up.metastatic_breast_carcinoma_her2_erbb_pos_finding_f
 ratio > 2.2 NA's
 1 1097

patient.follow_ups.follow_up.metastatic_breast_carcinoma_her2_neu_chromosome_17_1
 0.95 1.7 NA's
 1 1 1096

patient.follow_ups.follow_up.metastatic_breast_carcinoma_immunohistochemistry_er
 4+ NA's
 2 1096

patient.follow_ups.follow_up.metastatic_breast_carcinoma_immunohistochemistry_er
 other reporting scale NA's
 2 1096

patient.follow_ups.follow_up.metastatic_breast_carcinoma_immunohistochemistry_pr
 1+ 2+ NA's
 1 2 1095

patient.follow_ups.follow_up.metastatic_breast_carcinoma_immunohistochemistry_pr
 other reporting scale NA's
 2 1096

patient.follow_ups.follow_up.metastatic_breast_carcinoma_lab_proc_her2_neu_immun
equivocal negative NA's
3 7 1088

patient.follow_ups.follow_up.metastatic_breast_carcinoma_lab_proc_her2_neu_in_si
negative NA's
4 1094

patient.follow_ups.follow_up.metastatic_breast_carcinoma_pos_finding_progesteron
105 fmol/mg allred score = 0 fmol/mg NA's
1 1 2 1094

patient.follow_ups.follow_up.metastatic_breast_carcinoma_progesterone_receptor_d
allred score 0+0 = 0 image cytometry NA's
1 3 1094

patient.follow_ups.follow_up.metastatic_breast_carcinoma_progesterone_receptor_l
10-19
1 1 1 1 1094

patient.follow_ups.follow_up.metastatic_breast_carcinoma_progesterone_receptor_s
negative positive NA's
8 7 1083

patient.follow_ups.follow_up.month_of_form_completion:
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
1.000 3.000 6.000 6.474 10.000 12.000 99

patient.follow_ups.follow_up.new_neoplasm_event_type:
distant metastasis locoregional disease new primary tumor
32 8 9
NA's
1049

patient.follow_ups.follow_up.new_tumor_event_after_initial_treatment:
no yes NA's
413 52 633

patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.2.additional_pharm
no yes NA's
1 4 1093

patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.2.additional_radia
no yes NA's
4 1 1093

patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.2.days_to_new_tumo
6359 NA's
1 1097

patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.2.days_to_new_tumor_event.2
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 192 443 762 1081 813 4343 1089

patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.2.metastatic_breast_tumor_event.2
 negative NA's
 1 1097

patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.2.metastatic_breast_tumor_event.2
 negative NA's
 1 1097

patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.2.metastatic_breast_tumor_event.2
 negative NA's
 1 1097

patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.2.new_neoplasm_event.2
 bone liver other, specify NA's
 1 3 3 1091

patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.2.new_neoplasm_event.2
 distant metastasis locoregional recurrence NA's
 4 2 1092

patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.2.new_neoplasm_event.2
 chest wall, breast recurrence
 1
 intrathoracic lymph node
 1
 mediastinal and supraclavicular lymph nodes
 1
 NA's
 1095

patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.2.new_tumor_event.2
 no yes NA's
 5 1 1092

patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.3.additional_pharmaceutical_event.2
 no yes NA's
 1 2 1095

patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.3.additional_radiation_event.2
 no NA's
 3 1095

patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.3.days_to_new_tumor_event.3
 574 1351 6535 NA's
 1 1 1 1095

patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.3.new_neoplasm_event.3

	bone	lung other, specify	NA's
	1	1	1095

patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.3.new_neoplasm_event.distant metastasis NA's

	3	1095
--	---	------

patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.3.new_neoplasm_event.intrathoracic lymph node NA's

	1	1097
--	---	------

patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.3.new_tumor_event.no NA's

	3	1095
--	---	------

patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.4.additional_pharmaceuticals no NA's

	1	1097
--	---	------

patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.4.additional_radiation yes NA's

	1	1097
--	---	------

patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.4.days_to_new_tumor_event.4 NA's

	1	1097
--	---	------

patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.4.new_neoplasm_event.brain NA's

	1	1097
--	---	------

patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.4.new_neoplasm_event.distant metastasis NA's

	1	1097
--	---	------

patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.4.new_tumor_event.no NA's

	1	1097
--	---	------

patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.additional_pharmaceuticals no yes NA's

	7	10	1081
--	---	----	------

patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.additional_radiation no yes NA's

	8	9	1081
--	---	---	------

patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.days_to_new_tumor_event

	Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
	258.0	506.8	884.0	907.5	1192.2	1750.0	1090

patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.days_to_new_tumor_event

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
174.0	422.8	785.5	1199.1	1349.0	4224.0	1064

patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.metastatic_breast_

1+ 3+ NA's

1 1 1096

patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.metastatic_breast_

50-59

1 2 1095

patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.metastatic_breast_

negative positive NA's

1 7 1090

patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.metastatic_breast_

50-59

1 1097

patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.metastatic_breast_

1.2 NA's

1 1097

patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.metastatic_breast_

2+ 3+ NA's

1 1 1096

patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.metastatic_breast_

3 point scale NA's

3 1095

patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.metastatic_breast_

1+ NA's

2 1096

patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.metastatic_breast_

3 point scale NA's

3 1095

patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.metastatic_breast_

negative positive NA's

3 1 1094

patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.metastatic_breast_

negative NA's

1 1097

patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.metastatic_breast_

<10

2 1 1095

patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.metastatic_breast_

negative positive NA's
4 3 1091

patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.new_neoplasm_event
bone brain lung other, specify NA's
12 1 5 10 1070

patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.new_neoplasm_event
distant metastasis locoregional recurrence new primary tumor
18 6 5
NA's
1069

patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.new_tumor_event_ad
no yes NA's
11 8 1079

patient.follow_ups.follow_up.new_tumor_events.new_tumor_event_after_initial_trea
no yes NA's
330 34 734

patient.follow_ups.follow_up.person_neoplasm_cancer_status:
tumor free with tumor NA's
833 91 174

patient.follow_ups.follow_up.pos_finding_metastatic_breast_carcinoma_estrogen_re
133 fmol/mg allred score = 0 fmol/mg NA's
1 1 2 1094

patient.follow_ups.follow_up.postoperative_rx_tx:
no yes NA's
102 299 697

patient.follow_ups.follow_up.progesterone_receptor_level_cell_percent_category:
60-69
1 1097

patient.follow_ups.follow_up.radiation_therapy:
no yes NA's
433 552 113

patient.follow_ups.follow_up.targeted_molecular_therapy:
no yes NA's
48 529 521

patient.follow_ups.follow_up.vital_status:
alive dead NA's
912 87 99

patient.follow_ups.follow_up.year_of_form_completion:
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's

2010	2011	2012	2012	2014	2015	99
------	------	------	------	------	------	----

patient.gender:

female	male	NA's
1085	12	1

patient.her2_and_centromere_17_positive_finding_other_measurement_scale_text:

>2.2 positive	1
her2 amplification - negative	1
vysis autovysion system	1
NA's	1094

patient.her2_immunohistochemistry_level_result:

0	1+	2+	3+	NA's
61	272	199	90	476

patient.her2_neu_and_centromere_17_copy_number_analysis_input_total_number_count

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
20.00	30.00	40.00	93.34	60.00	569.00	994

patient.her2_neu_chromosome_17_signal_ratio_value:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0.420	1.080	1.200	1.727	1.460	16.300	865

patient.history_of_neoadjuvant_treatment:

no	yes	NA's
1083	13	2

patient.informed_consent_verified:

yes	NA's
1097	1

patient.lab_proc_her2_neu_immunohistochemistry_receptor_status:

equivocal	indeterminate	negative	positive	NA's
179	12	564	164	179

patient.lab_procedure_her2_neu_in_situ_hybrid_outcome_type:

equivocal	indeterminate	negative	positive	NA's
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	5	4	333	78	678
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patient.lymph_node_examined_count:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0.00	3.00	9.00	10.65	16.00	44.00	127

patient.margin_status:

close	negative	positive	NA's
31	919	79	69

patient.menopause_status:

indeterminate (neither pre or post)

peri (6-12 months since last menstruation)

post (prior bilateral ovariectomy or >12 mo since lmp with no prior hysterectomy)

pre (<6 months since lmp and no prior bilateral ovariectomy and not on estrogen therapy)

patient.metastatic_breast_carcinoma_erb2_immunohistochemistry_level_result:

1+	2+	NA's
4	1	1093

patient.metastatic_breast_carcinoma_estrogen_receptor_level_cell_percent_category:

<10	10-19	20-29	30-39	40-49	50-59	60-69	70-79	80-89	90-99	NA's
2	2	2	1092							

patient.metastatic_breast_carcinoma_estrogen_receptor_status:

negative	positive	NA's
3	9	1086

patient.metastatic_breast_carcinoma_her2_erb2_pos_finding_cell_percent_category:

<10	10-19	20-29	30-39	40-49	50-59	60-69	70-79	80-89	90-99	NA's
3	1095									

patient.metastatic_breast_carcinoma_her2_neu_chromosome_17_signal_ratio_value:

1.09	2.47	NA's
1	1	1096

patient.metastatic_breast_carcinoma_immunohistochemistry_er_pos_cell_score:

3+	NA's
1	1097

patient.metastatic_breast_carcinoma_immunohistochemistry_pr_pos_cell_score:

1+	NA's
1	1097

patient.metastatic_breast_carcinoma_lab_proc_her2_neu_immunohistochemistry_receptor_status:

equivocal	negative	NA's

	1	8	1089
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patient.metastatic_breast_carcinoma_lab_proc_her2_neu_in_situ_hybridization_outcome

negative	NA's
3	1095

patient.metastatic_breast_carcinoma_progesterone_receptor_level_cell_percent_category

<10	4	1094
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patient.metastatic_breast_carcinoma_progesterone_receptor_status:

negative	positive	NA's
7	4	1087

patient.month_of_form_completion:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1.000	4.000	6.000	6.674	9.000	12.000	1

patient.new_tumor_events.new_tumor_event.2.additional_pharmaceutical_therapy:

yes	NA's
1	1097

patient.new_tumor_events.new_tumor_event.2.additional_radiation_therapy:

yes	NA's
1	1097

patient.new_tumor_events.new_tumor_event.2.days_to_new_tumor_event_after_initial_diagnosis

301	667	NA's
1	1	1096

patient.new_tumor_events.new_tumor_event.2.metastatic_breast_carcinoma_estrogen_receptor_status

negative	NA's
1	1097

patient.new_tumor_events.new_tumor_event.2.metastatic_breast_carcinoma_lab_proc_her2_neu_in_situ_hybridization_outcome

negative	NA's
1	1097

patient.new_tumor_events.new_tumor_event.2.metastatic_breast_carcinoma_progesterone_receptor_status

negative	NA's
1	1097

patient.new_tumor_events.new_tumor_event.2.new_neoplasm_event_occurrence_anatomic_site

lung	other, specify	NA's
1	1	1096

patient.new_tumor_events.new_tumor_event.2.new_neoplasm_event_type:

distant	metastasis	locoregional	recurrence	NA's
	1		1	1096

patient.new_tumor_events.new_tumor_event.2.new_neoplasm_occurrence_anatomic_site

chest wall	NA's
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1 1097

patient.new_tumor_events.new_tumor_event.2.new_tumor_event_additional_surgery_pr
no NA's
1 1097

patient.new_tumor_events.new_tumor_event.3.additional_pharmaceutical_therapy:
yes NA's
1 1097

patient.new_tumor_events.new_tumor_event.3.additional_radiation_therapy:
no NA's
1 1097

patient.new_tumor_events.new_tumor_event.3.days_to_new_tumor_event_after_initial
301 574 NA's
1 1 1096

patient.new_tumor_events.new_tumor_event.3.new_neoplasm_event_occurrence_anatomi
bone liver NA's
1 1 1096

patient.new_tumor_events.new_tumor_event.3.new_neoplasm_event_type:
distant metastasis NA's
2 1096

patient.new_tumor_events.new_tumor_event.3.new_tumor_event_additional_surgery_pr
no NA's
1 1097

patient.new_tumor_events.new_tumor_event.4.days_to_new_tumor_event_after_initial
301 NA's
1 1097

patient.new_tumor_events.new_tumor_event.4.new_neoplasm_event_occurrence_anatomi
bone NA's
1 1097

patient.new_tumor_events.new_tumor_event.4.new_neoplasm_event_type:
distant metastasis NA's
1 1097

patient.new_tumor_events.new_tumor_event.5.days_to_new_tumor_event_after_initial
301 NA's
1 1097

patient.new_tumor_events.new_tumor_event.5.new_neoplasm_event_occurrence_anatomi
other, specify NA's
1 1097

patient.new_tumor_events.new_tumor_event.5.new_neoplasm_event_type:
distant metastasis NA's


```

1 1097

patient.new_tumor_events.new_tumor_event.5.new_neoplasm_occurrence_anatomic_site
adrenal glands NA's
1 1097

patient.new_tumor_events.new_tumor_event.additional_pharmaceutical_therapy:
no yes NA's
1 6 1091

patient.new_tumor_events.new_tumor_event.additional_radiation_therapy:
no yes NA's
4 3 1091

patient.new_tumor_events.new_tumor_event.days_to_new_tumor_event_additional_surg
181 596 NA's
1 1 1096

patient.new_tumor_events.new_tumor_event.days_to_new_tumor_event_after_initial_t
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
181.0 301.0 766.0 777.8 994.0 1543.0 1089

patient.new_tumor_events.new_tumor_event.metastatic_breast_carcinoma_erbb2_immun
1+ 2+ NA's
7 1 1090

patient.new_tumor_events.new_tumor_event.metastatic_breast_carcinoma_estrogen_re
<10
4 2 2 1090

patient.new_tumor_events.new_tumor_event.metastatic_breast_carcinoma_estrogen_re
negative positive NA's
5 10 1083

patient.new_tumor_events.new_tumor_event.metastatic_breast_carcinoma_her2_erbb_p
<10
5 1093

patient.new_tumor_events.new_tumor_event.metastatic_breast_carcinoma_her2_neu_ch
1.09 2.47 NA's
1 1 1096

patient.new_tumor_events.new_tumor_event.metastatic_breast_carcinoma_immunohisto
1+ 3+ NA's
2 2 1094

patient.new_tumor_events.new_tumor_event.metastatic_breast_carcinoma_immunohisto
3 point scale 4 point scale NA's
3 3 1092

patient.new_tumor_events.new_tumor_event.metastatic_breast_carcinoma_immunohisto
1+ 2+ NA's

```

3 1 1094

patient.new_tumor_events.new_tumor_event.metastatic_breast_carcinoma_immunohisto
3 point scale 4 point scale NA's
3 3 1092

patient.new_tumor_events.new_tumor_event.metastatic_breast_carcinoma_lab_proc_he
equivocal negative NA's
1 11 1086

patient.new_tumor_events.new_tumor_event.metastatic_breast_carcinoma_lab_proc_he
negative NA's
3 1095

patient.new_tumor_events.new_tumor_event.metastatic_breast_carcinoma_pos_finding
allred score=5 NA's
1 1097

patient.new_tumor_events.new_tumor_event.metastatic_breast_carcinoma_progesteron
<10
6 1092

patient.new_tumor_events.new_tumor_event.metastatic_breast_carcinoma_progesteron
negative positive NA's
9 5 1084

patient.new_tumor_events.new_tumor_event.new_neoplasm_event_occurrence_anatomic
bone lung other, specify NA's
3 2 4 1089

patient.new_tumor_events.new_tumor_event.new_neoplasm_event_type:
distant metastasis locoregional recurrence new primary tumor
5 4 1
NA's
1088

patient.new_tumor_events.new_tumor_event.new_neoplasm_occurrence_anatomic_site_t
breast breast recurrence chestwall malignant melanoma
1 1 1 1
NA's
1094

patient.new_tumor_events.new_tumor_event.new_tumor_event_additional_surgery_proc
no yes NA's
6 2 1090

patient.new_tumor_events.new_tumor_event.pos_finding_metastatic_breast_carcinoma
' 8 NA's
1 1 1096

patient.new_tumor_events.new_tumor_event_after_initial_treatment:
no yes NA's

185 10 903

patient.number_of_lymphnodes_positive_by_he:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 0.000 0.000 1.000 2.363 2.000 35.000 169

patient.number_of_lymphnodes_positive_by_ihc:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 0.0000 0.0000 0.0000 0.2667 0.0000 8.0000 753

patient.person_neoplasm_cancer_status:
 tumor free with tumor NA's
 878 94 126

patient.pos_finding_metastatic_breast_carcinoma_estrogen_receptor_other_measurem
 \ NA's
 1 1097

patient.postoperative_rx_tx:
 no yes NA's
 38 127 933

patient.primary_lymph_node_presentation_assessment:
 no yes NA's
 33 692 373

patient.prior_dx:
 no yes NA's
 1028 68 2

patient.race:
 american indian or alaska native asian
 1 61
 black or african american white
 183 757
 NA's
 96

patient.radiation_therapy:
 no yes NA's
 93 73 932

patient.radiations.radiation.2.anatomic_treatment_site:
 distant recurrence distant site primary tumor field regional site
 4 3 21 36
 NA's

1034

patient.radiations.radiation.2.course_number:

1	2	3	NA's
4	3	2	1089

patient.radiations.radiation.2.day_of_form_completion:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1.00	3.75	14.00	13.70	22.25	29.00	1034

patient.radiations.radiation.2.days_to_radiation_therapy_end:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
53.0	190.2	257.5	389.6	303.0	5111.0	1034

patient.radiations.radiation.2.days_to_radiation_therapy_start:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
41.0	166.8	224.0	359.4	264.2	5098.0	1034

patient.radiations.radiation.2.measure_of_response:

	complete response	partial response
	44	1
radiographic progressive disease		stable disease
	4	3
	NA's	
	1046	

patient.radiations.radiation.2.month_of_form_completion:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1.000	3.000	5.000	5.312	8.000	12.000	1034

patient.radiations.radiation.2.numfractions:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1.00	10.00	25.00	19.78	28.00	43.00	1053

patient.radiations.radiation.2.radiation_dosage:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
10.0	50.4	2200.0	2707.5	5040.0	6040.0	1035

patient.radiations.radiation.2.radiation_treatment_ongoing:

no NA's
64 1034

patient.radiations.radiation.2.radiation_type:

external	external beam other: specify in notes
54	9 1
NA's	
1034	

patient.radiations.radiation.2.radiation_type_notes:

gamma knife radiosurgery	NA's
--------------------------	------

1 1097

patient.radiations.radiation.2.regimen_indication:

adjuvant	palliative	progression	NA's
8	1	1	1088

patient.radiations.radiation.2.units:

cgy	gy	NA's
44	19	1035

patient.radiations.radiation.2.year_of_form_completion:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
2010	2012	2014	2013	2014	2015	1034

patient.radiations.radiation.3.course_number:

2	NA's
3	1095

patient.radiations.radiation.3.day_of_form_completion:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1	6	14	14	22	28	1079

patient.radiations.radiation.3.days_to_radiation_therapy_end:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
78.0	245.5	275.0	579.3	305.0	6052.0	1079

patient.radiations.radiation.3.days_to_radiation_therapy_start:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
44.0	233.2	250.5	576.8	275.8	6048.0	1080

patient.radiations.radiation.3.measure_of_response:

complete response	stable disease	NA's
14	1	1083

patient.radiations.radiation.3.month_of_form_completion:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1.000	3.000	4.000	4.895	6.500	11.000	1079

patient.radiations.radiation.3.numfractions:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
3.00	5.00	6.00	13.23	25.00	28.00	1085

patient.radiations.radiation.3.radiation_dosage:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
10.0	72.5	1000.0	1543.2	1700.0	5040.0	1079

patient.radiations.radiation.3.radiation_treatment_ongoing:

no	NA's
19	1079

patient.radiations.radiation.3.radiation_type:
 external external beam NA's
 15 4 1079

patient.radiations.radiation.3.regimen_indication:
 adjuvant palliative recurrence NA's
 2 1 1 1094

patient.radiations.radiation.3.units:
 cgy gy NA's
 12 6 1080

patient.radiations.radiation.3.year_of_form_completion:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 2010 2012 2014 2013 2014 2015 1079

patient.radiations.radiation.4.anatomic_treatment_site:
 distant recurrence distant site primary tumor field regional site
 1 1 3 1
 NA's
 1092

patient.radiations.radiation.4.day_of_form_completion:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 14.00 18.00 21.50 20.50 22.75 26.00 1092

patient.radiations.radiation.4.days_to_radiation_therapy_end:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 101 249 291 1492 1185 6552 1092

patient.radiations.radiation.4.days_to_radiation_therapy_start:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 80.0 214.2 286.0 1474.8 1173.0 6538.0 1092

patient.radiations.radiation.4.measure_of_response:
 complete response radiographic progressive disease
 4 1
 stable disease NA's
 1 1092

patient.radiations.radiation.4.month_of_form_completion:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 2.00 3.25 4.50 5.00 7.25 8.00 1092

patient.radiations.radiation.4.numfractions:
 5 10 24 NA's
 1 1 1 1095

patient.radiations.radiation.4.radiation_dosage:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
10.00	30.75	516.50	1478.83	2500.00	4800.00	1092

patient.radiations.radiation.4.radiation_treatment_ongoing:

no NA's
6 1092

patient.radiations.radiation.4.radiation_type:

external NA's
6 1092

patient.radiations.radiation.4.units:

cgy gy NA's
3 3 1092

patient.radiations.radiation.4.year_of_form_completion:

2012 2013 2014 NA's
1 2 3 1092

patient.radiations.radiation.5.anatomic_treatment_site:

regional site NA's
1 1097

patient.radiations.radiation.5.bcr_radiation_barcode:

tcga-e9-a5up-r57723 NA's
1 1097

patient.radiations.radiation.5.bcr_radiation_uuid:

5578f153-ccb2-4b38-9bd2-2df088dd9bc2 NA's
1 1097

patient.radiations.radiation.5.day_of_form_completion:

21 NA's
1 1097

patient.radiations.radiation.5.days_to_radiation_therapy_end:

101 NA's
1 1097

patient.radiations.radiation.5.days_to_radiation_therapy_start:

80 NA's
1 1097

patient.radiations.radiation.5.measure_of_response:

complete response NA's
1 1097

patient.radiations.radiation.5.month_of_form_completion:

3 NA's
1 1097

patient.radiations.radiation.5.radiation_dosage:

30 NA's
1 1097

patient.radiations.radiation.5.radiation_treatment_ongoing:
no NA's
1 1097

patient.radiations.radiation.5.radiation_type:
external NA's
1 1097

patient.radiations.radiation.5.units:
gy NA's
1 1097

patient.radiations.radiation.5.year_of_form_completion:
2014 NA's
1 1097

patient.radiations.radiation.course_number:
1 2 NA's
253 2 843

patient.radiations.radiation.day_of_form_completion:
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
1.00 9.00 14.00 14.95 21.00 31.00 570

patient.radiations.radiation.days_to_radiation_therapy_end:
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
-1306.0 150.0 224.0 220.7 273.5 3342.0 591

patient.radiations.radiation.days_to_radiation_therapy_start:
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
-1347.0 106.5 182.0 177.8 229.0 3349.0 592

patient.radiations.radiation.measure_of_response:
complete response partial response
172 3
radiographic progressive disease stable disease
8 4
NA's
911

patient.radiations.radiation.month_of_form_completion:
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
1.000 4.000 8.000 7.231 11.000 12.000 570


```
patient.radiations.radiation.radiation_treatment_ongoing:
  no  yes NA's
518   4  576
```

```
patient.radiations.radiation.radiation_type_notes:
      brachytherapy (iridium 192)
                                           1
high-dose rate brachytherapy of intracavitary type mammosite
                                           1
      partial breast irradiation using a savi catheter
                                           1
      stereostatic radiotherapy
                                           1
                                           NA's
                                           1094
```

```
patient.radiations.radiation.regimen_indication:
  adjuvant palliative recurrence      NA's
      294           2           2           800
```

```
patient.radiations.radiation.units:
  cgy  gy NA's
379   94  625
```

```
patient.radiations.radiation.year_of_form_completion:
  Min. 1st Qu.  Median    Mean 3rd Qu.  Max.  NA's
2010   2011   2012   2012   2013   2015   570
```

```
patient.stage_event.tnm_categories.pathologic_categories.pathologic_m:
cm0 (i+)      m0      m1      mx      NA's
      6      906      22      163      1
```

```
patient.tissue_prospective_collection_indicator:
  no  yes NA's
731  362   5
```

```
patient.tissue_retrospective_collection_indicator:
  no  yes NA's
362  731   5
```

```
patient.tumor_tissue_site:
breast  NA's
1097    1
```

```
patient.vital_status:
```

alive dead NA's
993 104 1

patient.year_of_form_completion:
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
2010 2011 2011 2011 2011 2015 1

patient.year_of_initial_pathologic_diagnosis:
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
1988 2007 2009 2008 2010 2013 3

patient.bcr_canonical_check.bcr_patient_canonical_reasons.bcr_canonical_reason.2
case matched methylation control germline comparison
102 6
NA's
990

patient.bcr_canonical_check.bcr_patient_canonical_reasons.bcr_canonical_reason.3
germline comparison NA's
33 1065

patient.bcr_canonical_check.bcr_patient_canonical_status:
canonical canonical - plus NA's
943 154 1

patient.biospecimen_cqcf.consent_or_death_status:
consented deceased waiver NA's
1055 41 1 1

patient.biospecimen_cqcf.days_to_pathology_review:
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
-256.0 63.0 294.5 979.6 1313.8 7852.0 10

patient.biospecimen_cqcf.days_to_sample_procurement:
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
-57.00 1.00 21.00 33.77 36.00 2253.00 4

patient.biospecimen_cqcf.digital_image_submitted:
no yes NA's
881 43 174

patient.biospecimen_cqcf.ethnicity:
hispanic or latino not hispanic or latino NA's
4 148 946

patient.biospecimen_cqcf.frozen_specimen_anatomic_site:
breast NA's
1077 21

```

patient.biospecimen_cqcf.history_of_neoadjuvant_treatment:
      no
      1093
yes, pharmaceutical treatment prior to resection
      3
      NA's
      2

```

```

patient.biospecimen_cqcf.laterality:
left right NA's
564 521 13

```

```

patient.biospecimen_cqcf.normal_controls.normal_control.2.days_to_normal_sample_
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
-585.0 0.0 20.0 138.4 42.0 6244.0 939

```

```

patient.biospecimen_cqcf.normal_controls.normal_control.2.extracted_dna.ncedna_d
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
0.0330 0.1807 0.2735 0.2819 0.3505 0.6940 1056

```

```

patient.biospecimen_cqcf.normal_controls.normal_control.2.extracted_dna.ncedna_d
13 15 20 NA's
1 5 36 1056

```

```

patient.biospecimen_cqcf.normal_controls.normal_control.2.extracted_dna.ncedna_d
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
29.00 57.35 72.00 90.51 111.00 400.00 1056

```

```

patient.biospecimen_cqcf.normal_controls.normal_control.2.normal_tissue.normal_t
breast other NA's
80 2 1016

```

```

patient.biospecimen_cqcf.normal_controls.normal_control.2.normal_tissue.normal_t
distal (>2cm) NA's
79 1019

```

```

patient.biospecimen_cqcf.normal_controls.normal_control.2.vial_number:
1 2 3 NA's
106 108 2 882

```

```

patient.biospecimen_cqcf.normal_controls.normal_control.3.days_to_normal_sample_
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
55.00 82.25 122.00 629.33 1174.25 1883.00 1092

```

```

patient.biospecimen_cqcf.normal_controls.normal_control.3.method_of_normal_sampl
blood draw surgical resection NA's
2 4 1092

```

patient.biospecimen_cqcf.normal_controls.normal_control.3.normal_tissue.normal_t
 breast NA's
 3 1095

patient.biospecimen_cqcf.normal_controls.normal_control.3.normal_tissue.normal_t
 distal (>2cm) NA's
 3 1095

patient.biospecimen_cqcf.normal_controls.normal_control.3.vial_number:
 1 2 3 NA's
 3 2 2 1091

patient.biospecimen_cqcf.normal_controls.normal_control.4.bcr_sample_uuid:
 6605bd50-5fc1-41de-9452-32ff093b6841 66de277d-0402-4e8c-9b77-a160e27d203b
 1 1
 8e23740c-1ee6-4ccc-a5a4-2e89f3e3557d f8dadcb3-600c-458c-a6a5-a6a7bd663fec
 1 1
 NA's
 1094

patient.biospecimen_cqcf.normal_controls.normal_control.4.days_to_normal_sample_
 26 31 113 131 NA's
 1 1 1 1 1094

patient.biospecimen_cqcf.normal_controls.normal_control.4.method_of_normal_sampl
 surgical resection tumor resection NA's
 3 1 1094

patient.biospecimen_cqcf.normal_controls.normal_control.4.normal_tissue.normal_t
 breast NA's
 1 1097

patient.biospecimen_cqcf.normal_controls.normal_control.4.normal_tissue.normal_t
 distal (>2cm) NA's
 1 1097

patient.biospecimen_cqcf.normal_controls.normal_control.4.vial_number:
 1 2 NA's
 1 3 1094

patient.biospecimen_cqcf.normal_controls.normal_control.5.bcr_sample_uuid:
 d7da0785-ab1a-4813-9748-cacd97152a8d eecb3bda-a10d-427c-915e-f88b151b83ea
 1 1
 fa7527f5-7ae6-408d-b7d2-6cccd66fb990 NA's
 1 1095

patient.biospecimen_cqcf.normal_controls.normal_control.5.days_to_normal_sample_
 31 131 1522 NA's
 1 1 1 1095

patient.biospecimen_cqcf.normal_controls.normal_control.5.method_of_normal_sampl

blood draw	surgical resection	NA's
1	2	1095

patient.biospecimen_cqcf.normal_controls.normal_control.5.vial_number:

2	NA's
3	1095

patient.biospecimen_cqcf.normal_controls.normal_control.days_to_normal_sample_pr

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
-1430.0	1.0	22.0	102.2	42.0	6244.0	337

patient.biospecimen_cqcf.normal_controls.normal_control.extracted_dna.ncedna_dna

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0.0330	0.1685	0.2500	15.0377	0.4690	1247.4300	776

patient.biospecimen_cqcf.normal_controls.normal_control.extracted_dna.ncedna_dna

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0.524	20.000	20.000	21.814	20.000	124.940	776

patient.biospecimen_cqcf.normal_controls.normal_control.extracted_dna.ncedna_dna

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
10.00	52.95	80.00	118.02	144.72	500.00	776

patient.biospecimen_cqcf.normal_controls.normal_control.normal_tissue.normal_tis

breast	other	NA's
187	25	886

patient.biospecimen_cqcf.normal_controls.normal_control.normal_tissue.normal_tis

distal (>2cm)	NA's
187	911

patient.biospecimen_cqcf.normal_controls.normal_control.vial_number:

1	2	3	NA's
955	58	3	82

patient.biospecimen_cqcf.path_confirm_diagnosis_matching:

no	yes	NA's
1	1095	2

patient.biospecimen_cqcf.path_confirm_report_attached:

no	yes	NA's
66	1031	1

patient.biospecimen_cqcf.path_confirm_tumor_necrosis_metrics:

yes	NA's
1097	1

patient.biospecimen_cqcf.path_confirm_tumor_nuclei_metrics:

no	yes	NA's
1	1096	1

patient.biospecimen_cqcf.race:

asian	black or african american	white
5	115	88
NA's		
890		

patient.biospecimen_cqcf.reason_path_confirm_diagnosis_not_matching:

macrodissection performed at tss to select f

pathology review of frozen section for tcga determined histological subtype diff

patient.biospecimen_cqcf.sample_prescreened:

yes	NA's
1095	3

patient.biospecimen_cqcf.site_of_disease:

breast	NA's
1085	13

patient.biospecimen_cqcf.top_slide_submitted:

no	yes	NA's
119	806	173

patient.biospecimen_cqcf.tumor_samples.tumor_sample.2.tumor_necrosis_percent:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0.000	0.000	0.000	9.033	28.750	30.000	1068

patient.biospecimen_cqcf.tumor_samples.tumor_sample.2.tumor_nuclei_percent:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
40.00	70.00	70.00	76.67	88.75	95.00	1068

patient.biospecimen_cqcf.tumor_samples.tumor_sample.2.tumor_weight:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
50.0	107.5	200.0	242.4	325.0	670.0	1070

patient.biospecimen_cqcf.tumor_samples.tumor_sample.2.vial_number:

1	2	NA's
20	14	1064

patient.biospecimen_cqcf.tumor_samples.tumor_sample.3.bcr_sample_uuid:

786ae066-c934-4249-85f3-398dc4495dc3	NA's
1	1097

patient.biospecimen_cqcf.tumor_samples.tumor_sample.3.tumor_necrosis_percent:

```

0 NA's
1 1097

patient.biospecimen_cqcf.tumor_samples.tumor_sample.3.tumor_nuclei_percent:
70 NA's
1 1097

patient.biospecimen_cqcf.tumor_samples.tumor_sample.3.tumor_weight:
50 NA's
1 1097

patient.biospecimen_cqcf.tumor_samples.tumor_sample.3.vial_number:
3 NA's
1 1097

patient.biospecimen_cqcf.tumor_samples.tumor_sample.tumor_necrosis_percent:
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.   NA's
  0.000  0.000  0.000   6.145  9.000  30.000    5

patient.biospecimen_cqcf.tumor_samples.tumor_sample.tumor_nuclei_percent:
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.   NA's
  20.00  70.00  75.00   77.69  85.00  100.00    4

patient.biospecimen_cqcf.tumor_samples.tumor_sample.tumor_weight:
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.   NA's
  31.0  175.5  217.0   369.2  418.5  2990.0    59

patient.biospecimen_cqcf.tumor_samples.tumor_sample.vial_number:
  1    2 NA's
1094  1    3

patient.days_to_index:
  0 NA's
1095  3

patient.samples.sample.2.bcr_biospecimen_canonical_reasons.bcr_canonical_reason:
primary tumor and metastatic tumor(s)          NA's
                                                7          1091

patient.samples.sample.2.days_to_collection:
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.   NA's
  16.0  155.5  461.0  1070.8  1379.5  7858.0    3

patient.samples.sample.2.initial_weight:
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.   NA's
  40.0  140.0  230.0   311.8  400.0  1390.0  1005

patient.samples.sample.2.is_ffpe:

```

```

no yes NA's
1085 12 1

```

```

patient.samples.sample.2.oct_embedded:
false true NA's
1049 48 1

```

```

patient.samples.sample.2.portions.portion.2.analytes.analyte.2.aliquots.aliquot.
tcga-bh-a0hx-10a-02x-a073-09 NA's
1 1097

```

```

patient.samples.sample.2.portions.portion.2.analytes.analyte.2.aliquots.aliquot.
12d9e37e-8855-4473-ba54-89cdf9e1f4f NA's
1 1097

```

```

patient.samples.sample.2.portions.portion.2.analytes.analyte.2.aliquots.aliquot.
99030759 NA's
1 1097

```

```

patient.samples.sample.2.portions.portion.2.analytes.analyte.2.aliquots.aliquot.
9 NA's
1 1097

```

```

patient.samples.sample.2.portions.portion.2.analytes.analyte.2.aliquots.aliquot.
0.5 NA's
1 1097

```

```

patient.samples.sample.2.portions.portion.2.analytes.analyte.2.aliquots.aliquot.
8 NA's
1 1097

```

```

patient.samples.sample.2.portions.portion.2.analytes.analyte.2.aliquots.aliquot.
no NA's
1 1097

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patient.samples.sample.2.portions.portion.2.analytes.analyte.2.aliquots.aliquot.
9 NA's
1 1097

```

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patient.samples.sample.2.portions.portion.2.analytes.analyte.2.aliquots.aliquot.
10 NA's
1 1097

```

```

patient.samples.sample.2.portions.portion.2.analytes.analyte.2.aliquots.aliquot.
a073 NA's
1 1097

```

```

patient.samples.sample.2.portions.portion.2.analytes.analyte.2.aliquots.aliquot.
h NA's
1 1097

```


patient.samples.sample.2.portions.portion.2.analytes.analyte.2.aliquots.aliquot.
40 NA's
1 1097

patient.samples.sample.2.portions.portion.2.analytes.analyte.2.aliquots.aliquot.
23 NA's
1 1097

patient.samples.sample.2.portions.portion.2.analytes.analyte.2.aliquots.aliquot.
80 NA's
1 1097

patient.samples.sample.2.portions.portion.2.analytes.analyte.2.aliquots.aliquot.
2010 NA's
1 1097

patient.samples.sample.2.portions.portion.2.analytes.analyte.2.aliquots.aliquot.
tcga-bh-a0hx-10a-02x-a072-08 NA's
1 1097

patient.samples.sample.2.portions.portion.2.analytes.analyte.2.aliquots.aliquot.
27f06d76-ce54-4be7-86e6-53ef35b42170 NA's
1 1097

patient.samples.sample.2.portions.portion.2.analytes.analyte.2.aliquots.aliquot.
99036058 NA's
1 1097

patient.samples.sample.2.portions.portion.2.analytes.analyte.2.aliquots.aliquot.
8 NA's
1 1097

patient.samples.sample.2.portions.portion.2.analytes.analyte.2.aliquots.aliquot.
0.5 NA's
1 1097

patient.samples.sample.2.portions.portion.2.analytes.analyte.2.aliquots.aliquot.
8 NA's
1 1097

patient.samples.sample.2.portions.portion.2.analytes.analyte.2.aliquots.aliquot.
no NA's
1 1097

patient.samples.sample.2.portions.portion.2.analytes.analyte.2.aliquots.aliquot.
9 NA's
1 1097

patient.samples.sample.2.portions.portion.2.analytes.analyte.2.aliquots.aliquot.
10 NA's
1 1097

patient.samples.sample.2.portions.portion.2.analytes.analyte.2.aliquots.aliquot.
 a072 NA's
 1 1097

patient.samples.sample.2.portions.portion.2.analytes.analyte.2.aliquots.aliquot.
 h NA's
 1 1097

patient.samples.sample.2.portions.portion.2.analytes.analyte.2.aliquots.aliquot.
 40 NA's
 1 1097

patient.samples.sample.2.portions.portion.2.analytes.analyte.2.aliquots.aliquot.
 23 NA's
 1 1097

patient.samples.sample.2.portions.portion.2.analytes.analyte.2.aliquots.aliquot.
 80 NA's
 1 1097

patient.samples.sample.2.portions.portion.2.analytes.analyte.2.aliquots.aliquot.
 2010 NA's
 1 1097

patient.samples.sample.2.portions.portion.2.analytes.analyte.2.analyte_type:
 repli-g x (qiagen) dna NA's
 1 1097

patient.samples.sample.2.portions.portion.2.analytes.analyte.2.analyte_type_id:
 x NA's
 1 1097

patient.samples.sample.2.portions.portion.2.analytes.analyte.2.bcr_analyte_barcode:
 tcga-bh-a0hx-10a-02x NA's
 1 1097

patient.samples.sample.2.portions.portion.2.analytes.analyte.2.bcr_analyte_uuid:
 d681989d-73c9-4192-8528-f011e7533682 NA's
 1 1097

patient.samples.sample.2.portions.portion.2.analytes.analyte.2.dna.normal_tumor:
 yes NA's
 1 1097

patient.samples.sample.2.portions.portion.2.analytes.analyte.2.dna.pcr_amplification:
 yes NA's
 1 1097

patient.samples.sample.2.portions.portion.2.analytes.analyte.2.gel_image_file:
<https://sharedoc.nchri.org/tcga-bcr/default.aspx>
 1

NA's
1097

patient.samples.sample.2.portions.portion.2.analytes.analyte.2.is_derived_from_f
no NA's
1 1097

patient.samples.sample.2.portions.portion.2.analytes.analyte.2.protocols.protoco
repli-g x NA's
1 1097

patient.samples.sample.2.portions.portion.2.analytes.analyte.a260_a280_ratio:
1.74 1.79 1.88 2 NA's
1 1 1 1 1094

patient.samples.sample.2.portions.portion.2.analytes.analyte.aliquots.aliquot.2.
fppp NA's
2 1096

patient.samples.sample.2.portions.portion.2.analytes.analyte.aliquots.aliquot.2.
tcga NA's
2 1096

patient.samples.sample.2.portions.portion.2.analytes.analyte.aliquots.aliquot.2.
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
99029910 99030756 99065486 112296899 132179171 132179172 1093

patient.samples.sample.2.portions.portion.2.analytes.analyte.aliquots.aliquot.2.
7 9 13 NA's
1 2 2 1093

patient.samples.sample.2.portions.portion.2.analytes.analyte.aliquots.aliquot.2.
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
0.07 0.15 0.16 0.21 0.17 0.50 1093

patient.samples.sample.2.portions.portion.2.analytes.analyte.aliquots.aliquot.2.
8 13 19 NA's
2 2 1 1093

patient.samples.sample.2.portions.portion.2.analytes.analyte.aliquots.aliquot.2.
no yes NA's
3 2 1093

patient.samples.sample.2.portions.portion.2.analytes.analyte.aliquots.aliquot.2.
3 4 9 NA's
2 1 2 1093

patient.samples.sample.2.portions.portion.2.analytes.analyte.aliquots.aliquot.2.
4 10 11 NA's
3 1 1 1093

patient.samples.sample.2.portions.portion.2.analytes.analyte.aliquots.aliquot.2.
a071 a075 a14d a27d NA's
1 1 1 2 1093

patient.samples.sample.2.portions.portion.2.analytes.analyte.aliquots.aliquot.2.
a b e h NA's
2 1 1 1 1093

patient.samples.sample.2.portions.portion.2.analytes.analyte.aliquots.aliquot.2.
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
0.93 3.00 3.20 10.33 4.54 40.00 1093

patient.samples.sample.2.portions.portion.2.analytes.analyte.aliquots.aliquot.2.
23 NA's
5 1093

patient.samples.sample.2.portions.portion.2.analytes.analyte.aliquots.aliquot.2.
13.34 20 26.7 80 NA's
1 2 1 1 1093

patient.samples.sample.2.portions.portion.2.analytes.analyte.aliquots.aliquot.2.
2010 2011 2013 NA's
2 1 2 1093

patient.samples.sample.2.portions.portion.2.analytes.analyte.aliquots.aliquot.ad
fppp NA's
2 1096

patient.samples.sample.2.portions.portion.2.analytes.analyte.aliquots.aliquot.ad
tcga NA's
2 1096

patient.samples.sample.2.portions.portion.2.analytes.analyte.aliquots.aliquot.bi
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
99026893 99029939 99030749 117670350 145632075 145632092 1093

patient.samples.sample.2.portions.portion.2.analytes.analyte.aliquots.aliquot.ce
7 8 13 NA's
2 2 1 1093

patient.samples.sample.2.portions.portion.2.analytes.analyte.aliquots.aliquot.co
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
0.07 0.15 0.16 0.21 0.17 0.50 1093

patient.samples.sample.2.portions.portion.2.analytes.analyte.aliquots.aliquot.da
8 14 19 NA's
2 2 1 1093

patient.samples.sample.2.portions.portion.2.analytes.analyte.aliquots.aliquot.is

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no yes NA's
3 2 1093

patient.samples.sample.2.portions.portion.2.analytes.analyte.aliqots.aliquot.mo
3 4 9 NA's
2 1 2 1093

patient.samples.sample.2.portions.portion.2.analytes.analyte.aliqots.aliquot.pl
4 10 11 NA's
3 1 1 1093

patient.samples.sample.2.portions.portion.2.analytes.analyte.aliqots.aliquot.pl
a070 a074 a14c a277 NA's
1 1 1 2 1093

patient.samples.sample.2.portions.portion.2.analytes.analyte.aliqots.aliquot.pl
a b e h NA's
2 1 1 1 1093

patient.samples.sample.2.portions.portion.2.analytes.analyte.aliqots.aliquot.qu
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
1.400 1.950 2.080 9.766 3.400 40.000 1093

patient.samples.sample.2.portions.portion.2.analytes.analyte.aliqots.aliquot.so
23 NA's
5 1093

patient.samples.sample.2.portions.portion.2.analytes.analyte.aliqots.aliquot.vo
13 20 80 NA's
2 2 1 1093

patient.samples.sample.2.portions.portion.2.analytes.analyte.aliqots.aliquot.ye
2010 2011 2013 NA's
2 1 2 1093

patient.samples.sample.2.portions.portion.2.analytes.analyte.amount:
6.91 7.92 15.72 17.93 NA's
1 1 1 1 1094

patient.samples.sample.2.portions.portion.2.analytes.analyte.analyte_type:
dna repli-g (qiagen) dna rna
1 1 3
NA's
1093

patient.samples.sample.2.portions.portion.2.analytes.analyte.analyte_type_id:
d r w NA's
1 3 1 1093

patient.samples.sample.2.portions.portion.2.analytes.analyte.concentration:

```

0.13 0.15 0.16 0.17 NA's
 1 1 1 1 1094

patient.samples.sample.2.portions.portion.2.analytes.analyte.dna.normal_tumor_ge
 yes NA's
 2 1096

patient.samples.sample.2.portions.portion.2.analytes.analyte.dna.pcr_amplificati
 yes NA's
 2 1096

patient.samples.sample.2.portions.portion.2.analytes.analyte.gel_image_file:
<https://sharedoc.nchri.org/tcga-bcr/default.aspx>
 5
 NA's
 1093

patient.samples.sample.2.portions.portion.2.analytes.analyte.is_derived_from_ffp
 no yes NA's
 3 2 1093

patient.samples.sample.2.portions.portion.2.analytes.analyte.protocols.protocol.
 adna preparation type highpure mirna (allprep dna) ffpe rna
 1 2
 mirvana (allprep dna) rna repli-g
 1 1
 NA's
 1093

patient.samples.sample.2.portions.portion.2.analytes.analyte.rna.ratio_28s_18s:
 0 1.4 NA's
 2 1 1095

patient.samples.sample.2.portions.portion.2.analytes.analyte.rna.rinvalue:
 2.1 2.7 8 NA's
 1 1 1 1095

patient.samples.sample.2.portions.portion.2.analytes.analyte.spectrophotometer_m
 uv spec NA's
 4 1094

patient.samples.sample.2.portions.portion.2.analytes.analyte.subportion_sequence
 2 NA's
 1 1097

patient.samples.sample.2.portions.portion.2.day_of_creation:
 8 18 28 NA's
 1 2 2 1093

patient.samples.sample.2.portions.portion.2.is_ffpe:

```

no yes NA's
3 2 1093

patient.samples.sample.2.portions.portion.2.month_of_creation:
2 4 7 NA's
2 1 2 1093

patient.samples.sample.2.portions.portion.2.portion_number:
2 6 22 NA's
2 2 1 1093

patient.samples.sample.2.portions.portion.2.portion_sequence:
2 6 NA's
3 2 1093

patient.samples.sample.2.portions.portion.2.slides.slide.2.bcr_slide_barcode:
tcga-a7-a13e-01b-06-bs6 tcga-a7-a26e-01b-06-bs6 NA's
1 1 1096

patient.samples.sample.2.portions.portion.2.slides.slide.2.bcr_slide_uuid:
071b5ba3-05a2-46b2-a1d6-80e1f34b33c5 4796c3a1-71ed-4757-b9ea-9fec4e261d30
1 1
NA's
1096

patient.samples.sample.2.portions.portion.2.slides.slide.2.image_file_name:
tcga-a7-a13e-01b-06-bs6.4796c3a1-71ed-4757-b9ea-9fec4e261d30.svs
1
tcga-a7-a26e-01b-06-bs6.071b5ba3-05a2-46b2-a1d6-80e1f34b33c5.svs
1
NA's
1096

patient.samples.sample.2.portions.portion.2.slides.slide.2.is_derived_from_ffpe:
yes NA's
2 1096

patient.samples.sample.2.portions.portion.2.slides.slide.2.percent_lymphocyte_in
40 NA's
2 1096

patient.samples.sample.2.portions.portion.2.slides.slide.2.percent_monocyte_infi
20 NA's
2 1096

patient.samples.sample.2.portions.portion.2.slides.slide.2.percent_necrosis:
0 NA's
2 1096

patient.samples.sample.2.portions.portion.2.slides.slide.2.percent_neutrophil_in
20 NA's
2 1096

```

```

patient.samples.sample.2.portions.portion.2.slides.slide.2.percent_normal_cells:
  0 NA's
  2 1096

patient.samples.sample.2.portions.portion.2.slides.slide.2.percent_stromal_cells:
  20 30 NA's
  1 1 1096

patient.samples.sample.2.portions.portion.2.slides.slide.2.percent_tumor_cells:
  70 80 NA's
  1 1 1096

patient.samples.sample.2.portions.portion.2.slides.slide.2.percent_tumor_nuclei:
  70 80 NA's
  1 1 1096

patient.samples.sample.2.portions.portion.2.slides.slide.2.section_location:
bottom NA's
  2 1096

patient.samples.sample.2.portions.portion.2.slides.slide.bcr_slide_barcode:
tcga-a7-a13e-01b-05-bs5 tcga-a7-a26e-01b-05-bs5 tcga-e2-a11h-11a-02-tsb
                                1                                1                                1
                                NA's
                                1095

patient.samples.sample.2.portions.portion.2.slides.slide.bcr_slide_uuid:
02204231-855b-455e-b21a-b4db37703064 4266663c-c51a-4676-9a2a-6a1e5c909e8e
                                1                                1
af4878fb-892f-4907-b59c-8aa0e7630a1a                                NA's
                                1                                1095

patient.samples.sample.2.portions.portion.2.slides.slide.image_file_name:
tcga-a7-a13e-01b-05-bs5.4266663c-c51a-4676-9a2a-6a1e5c909e8e.svs
                                                                1
tcga-a7-a26e-01b-05-bs5.af4878fb-892f-4907-b59c-8aa0e7630a1a.svs
                                                                1
tcga-e2-a11h-11a-02-tsb.02204231-855b-455e-b21a-b4db37703064.svs
                                                                1
                                                                NA's
                                                                1095

patient.samples.sample.2.portions.portion.2.slides.slide.is_derived_from_ffpe:
no yes NA's
  1 2 1095

patient.samples.sample.2.portions.portion.2.slides.slide.percent_lymphocyte_infi:
  0 40 NA's
  1 2 1095

patient.samples.sample.2.portions.portion.2.slides.slide.percent_monocyte_infilt

```


0 20 NA's
1 2 1095

patient.samples.sample.2.portions.portion.2.slides.slide.percent_necrosis:
0 NA's
3 1095

patient.samples.sample.2.portions.portion.2.slides.slide.percent_neutrophil_infi
0 20 NA's
1 2 1095

patient.samples.sample.2.portions.portion.2.slides.slide.percent_normal_cells:
0 20 NA's
2 1 1095

patient.samples.sample.2.portions.portion.2.slides.slide.percent_stromal_cells:
20 40 80 NA's
1 1 1 1095

patient.samples.sample.2.portions.portion.2.slides.slide.percent_tumor_cells:
0 60 80 NA's
1 1 1 1095

patient.samples.sample.2.portions.portion.2.slides.slide.percent_tumor_nuclei:
0 60 80 NA's
1 1 1 1095

patient.samples.sample.2.portions.portion.2.slides.slide.section_location:
top NA's
3 1095

patient.samples.sample.2.portions.portion.2.weight:
100 200 400 NA's
1 2 2 1093

patient.samples.sample.2.portions.portion.2.year_of_creation:
2010 2011 2013 NA's
2 1 2 1093

patient.samples.sample.2.portions.portion.analytes.analyte.2.a260_a280_ratio:
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
1.290 1.755 1.830 1.790 1.860 2.160 1023

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.2.
fppp NA's
3 1095

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.2.
tcga NA's
3 1095

```

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.2.
ffpe validation          NA's
              7          1091

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.2.
      Min. 1st Qu.  Median    Mean 3rd Qu.    Max.    NA's
89490662 99037496 100473304 101733663 100485327 153880189    793

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.2.
      7   8   9  13 NA's
      61  89 141  14 793

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.2.
      Min. 1st Qu.  Median    Mean 3rd Qu.    Max.    NA's
0.1300 0.5000 0.5000 0.4166 0.5000 0.5000    793

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.2.
      Min. 1st Qu.  Median    Mean 3rd Qu.    Max.    NA's
6.00    9.00    9.00   16.92  29.00   31.00    793

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.2.
      no  yes NA's
      295  10  793

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.2.
      Min. 1st Qu.  Median    Mean 3rd Qu.    Max.    NA's
1.000    6.000    6.000    6.443    8.000   11.000    793

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.2.
      Min. 1st Qu.  Median    Mean 3rd Qu.    Max.    NA's
1.000    4.000    7.000    6.652    9.000   12.000    793

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.2.
      Min. 1st Qu.  Median    Mean 3rd Qu.    Max.    NA's
1.50    40.00    40.00   31.14   40.00   40.00    793

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.2.
      23 NA's
      305  793

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.2.
      Min. 1st Qu.  Median    Mean 3rd Qu.    Max.    NA's
10.00   80.00   80.00   66.37   80.00   80.00    793

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.2.
2010 2011 2012 2013 NA's
      227  63  11   4  793

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.3.

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tcga-a7-a26j-01b-02r-a46x-36		NA's
1		1097
patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.3.6e99cc32-5846-4191-bc8a-0656edb0724f		NA's
1		1097
patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.3.167814221	NA's	
1	1097	
patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.3.36	NA's	
1	1097	
patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.3.0.16	NA's	
1	1097	
patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.3.26	NA's	
1	1097	
patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.3.yes	NA's	
1	1097	
patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.3.8	NA's	
1	1097	
patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.3.6	NA's	
1	1097	
patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.3.a46x	NA's	
1	1097	
patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.3.b	NA's	
1	1097	
patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.3.0.8	NA's	
1	1097	
patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.3.23	NA's	
1	1097	
patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.3.		

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5 NA's
1 1097

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.3
2015 NA's
1 1097

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.ad
fppp NA's
3 1095

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.ad
tcga NA's
3 1095

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.bo
ffpe validation NA's
7 1091

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.bi
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
97500631 100479046 108432545 113043285 113420339 174165689 39

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.ce
7 8 9 13 NA's
14 138 846 61 39

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.co
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
0.130 0.500 0.500 0.476 0.500 0.500 39

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.da
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
1.00 8.00 16.00 16.21 23.00 31.00 39

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.is
no yes NA's
1049 10 39

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.mo
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
1.000 5.000 6.000 6.149 9.000 11.000 39

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.pl
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
1.000 6.000 8.000 7.203 9.000 12.000 39

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.qu

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Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1.95	40.00	40.00	37.32	40.00	40.00	39

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.so
 23 NA's
 1059 39

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
13.00	80.00	80.00	75.61	80.00	80.00	39

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.vo

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
2010	2010	2011	2011	2011	2014	39

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.ye

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
5.33	11.88	18.78	23.11	28.39	102.64	1023

patient.samples.sample.2.portions.portion.analytes.analyte.2.amount:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
5.33	11.88	18.78	23.11	28.39	102.64	1023

patient.samples.sample.2.portions.portion.analytes.analyte.2.analyte_type:
 repli-g (qiagen) dna repli-g x (qiagen) dna rna
 945 39 75
 NA's
 39

patient.samples.sample.2.portions.portion.analytes.analyte.2.analyte_type_id:
 r w x NA's
 75 945 39 39

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0.1300	0.1500	0.1600	0.1607	0.1700	0.1800	1023

patient.samples.sample.2.portions.portion.analytes.analyte.2.concentration:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0.1300	0.1500	0.1600	0.1607	0.1700	0.1800	1023

patient.samples.sample.2.portions.portion.analytes.analyte.2.dna.normal_tumor_ge
 yes NA's
 984 114

patient.samples.sample.2.portions.portion.analytes.analyte.2.dna.pcr_amplificati
 yes NA's
 984 114

patient.samples.sample.2.portions.portion.analytes.analyte.2.gel_image_file:
<https://sharedoc.nchri.org/tcga-bcr/default.aspx>
 1059
 NA's
 39

no	yes	NA's
1049	10	39

patient.samples.sample.2.portions.portion.analytes.analyte.2.is_derived_from_ffp

```

patient.samples.sample.2.portions.portion.analytes.analyte.2.rna.ratio_28s_18s:
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.   NA's
  0.000  1.300  1.500  1.343  1.700  2.100  1023

patient.samples.sample.2.portions.portion.analytes.analyte.2.rna.rinvalue:
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.   NA's
  2.200  7.350  8.000  7.436  8.600  9.700  1023

patient.samples.sample.2.portions.portion.analytes.analyte.2.spectrophotometer_m
uv spec    NA's
   75     1023

patient.samples.sample.2.portions.portion.analytes.analyte.2.subportion_sequence
  1  2  3  4 NA's
 29 35 29 4 1001

patient.samples.sample.2.portions.portion.analytes.analyte.3.aliquots.aliquot.2.
  Min.  1st Qu.  Median    Mean  3rd Qu.    Max.    NA's
89490643 99036265 99036326 99502440 100480770 100480835 871

patient.samples.sample.2.portions.portion.analytes.analyte.3.aliquots.aliquot.2.
  8  9 NA's
 90 137 871

patient.samples.sample.2.portions.portion.analytes.analyte.3.aliquots.aliquot.2.
  0.5 NA's
 227 871

patient.samples.sample.2.portions.portion.analytes.analyte.3.aliquots.aliquot.2.
  8  9 29 NA's
 45 92 90 871

patient.samples.sample.2.portions.portion.analytes.analyte.3.aliquots.aliquot.2.
  no NA's
 227 871

patient.samples.sample.2.portions.portion.analytes.analyte.3.aliquots.aliquot.2.
  6  8  9 NA's
 90 92 45 871

patient.samples.sample.2.portions.portion.analytes.analyte.3.aliquots.aliquot.2.
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.   NA's
  1.000  4.000  7.000  6.872 10.000 12.000 871

patient.samples.sample.2.portions.portion.analytes.analyte.3.aliquots.aliquot.2.
a026 a054 a073 NA's
  90  92  45 871

```

patient.samples.sample.2.portions.portion.analytes.analyte.3.aliquots.aliquot.2.
 40 NA's
 227 871

patient.samples.sample.2.portions.portion.analytes.analyte.3.aliquots.aliquot.2.
 23 NA's
 227 871

patient.samples.sample.2.portions.portion.analytes.analyte.3.aliquots.aliquot.2.
 80 NA's
 227 871

patient.samples.sample.2.portions.portion.analytes.analyte.3.aliquots.aliquot.2.
 2010 NA's
 227 871

patient.samples.sample.2.portions.portion.analytes.analyte.3.aliquots.aliquot.bi

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
89490668	99034848	100473916	101244060	100480583	164081813	758

patient.samples.sample.2.portions.portion.analytes.analyte.3.aliquots.aliquot.ce
 8 9 NA's
 137 203 758

patient.samples.sample.2.portions.portion.analytes.analyte.3.aliquots.aliquot.co
 0.5 NA's
 340 758

patient.samples.sample.2.portions.portion.analytes.analyte.3.aliquots.aliquot.da

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1.00	9.00	9.00	15.21	29.00	30.00	758

patient.samples.sample.2.portions.portion.analytes.analyte.3.aliquots.aliquot.is
 no NA's
 340 758

patient.samples.sample.2.portions.portion.analytes.analyte.3.aliquots.aliquot.mo

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1.0	6.0	8.0	7.2	9.0	10.0	758

patient.samples.sample.2.portions.portion.analytes.analyte.3.aliquots.aliquot.pl

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1.000	5.000	8.000	7.282	10.000	12.000	758

patient.samples.sample.2.portions.portion.analytes.analyte.3.aliquots.aliquot.qu
 6.5 40 NA's
 1 339 758

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patient.samples.sample.2.portions.portion.analytes.analyte.3.aliquots.aliquot.so
  23 NA's
  340 758

patient.samples.sample.2.portions.portion.analytes.analyte.3.aliquots.aliquot.vo
  13 80 NA's
  1 339 758

patient.samples.sample.2.portions.portion.analytes.analyte.3.aliquots.aliquot.ye
  Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
  2010 2010 2010 2010 2010 2014 758

patient.samples.sample.2.portions.portion.analytes.analyte.3.analyte_type:
  repli-g (qiagen) dna repli-g x (qiagen) dna NA's
  65 275 758

patient.samples.sample.2.portions.portion.analytes.analyte.3.analyte_type_id:
  w x NA's
  65 275 758

patient.samples.sample.2.portions.portion.analytes.analyte.3.dna.normal_tumor_ge
  yes NA's
  340 758

patient.samples.sample.2.portions.portion.analytes.analyte.3.dna.pcr_amplificati
  yes NA's
  340 758

patient.samples.sample.2.portions.portion.analytes.analyte.3.gel_image_file:
  https://sharedoc.nchri.org/tcga-bcr/default.aspx
  340
  NA's
  758

patient.samples.sample.2.portions.portion.analytes.analyte.3.is_derived_from_ffp
  no NA's
  340 758

patient.samples.sample.2.portions.portion.analytes.analyte.3.protocols.protocol.
  repli-g repli-g x NA's
  66 183 849

patient.samples.sample.2.portions.portion.analytes.analyte.3.subportion_sequence
  1 2 3 4 NA's
  20 21 21 4 1032

patient.samples.sample.2.portions.portion.analytes.analyte.a260_a280_ratio:
  Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
  0.480 1.880 1.940 1.927 2.000 2.500 309

```


patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.2.ad
 fppp NA's
 2 1096

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.2.ad
 tcga NA's
 2 1096

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.2.bo
 ffpe validation NA's
 5 1093

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.2.bi
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 99015309 99059836 100489176 112567870 113423289 174191431 6

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.2.ce
 1 2 9 NA's
 544 47 501 6

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.2.co
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 0.050 0.080 0.140 0.121 0.160 0.250 6

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.2.da
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 1.00 12.00 18.00 18.94 28.00 31.00 6

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.2.is
 no yes NA's
 1085 7 6

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.2.mo
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 1.00 3.00 5.00 5.44 7.00 12.00 6

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.2.pl
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 1.000 6.000 8.000 7.275 9.000 12.000 6

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.2.qu
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 0.780 1.070 1.130 1.777 2.800 4.800 6

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.2.so
 23 NA's
 1092 6

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patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.2.vo
  Min. 1st Qu.  Median      Mean 3rd Qu.    Max.   NA's
  6.67   6.67   13.00   18.91  40.00   40.00    6

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.2.ye
  Min. 1st Qu.  Median      Mean 3rd Qu.    Max.   NA's
  2010   2010   2011     2011   2011     2014    6

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.3.ad
fppp NA's
  2 1096

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.3.ad
tcga NA's
  2 1096

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.3.bo
ffpe validation          NA's
          5             1093

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.3.bi
  Min.  1st Qu.   Median      Mean  3rd Qu.    Max.    NA's
  99013502  99051438 100488944 104229152 108474412 167787828    285

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.3.ce
  Min. 1st Qu.  Median      Mean 3rd Qu.    Max.   NA's
  1.000  8.000   9.000   7.417  9.000   9.000   285

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.3.co
  Min. 1st Qu.  Median      Mean 3rd Qu.    Max.   NA's
  0.06000 0.08000 0.08000 0.09263 0.09000 0.24000    285

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.3.da
  Min. 1st Qu.  Median      Mean 3rd Qu.    Max.   NA's
  6.00   9.00   14.00   16.92  23.00   31.00   285

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.3.is
no  yes NA's
806  7  285

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.3.mo
  Min. 1st Qu.  Median      Mean 3rd Qu.    Max.   NA's
  1.000  3.000   5.000   5.477  8.000  12.000   285

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.3.pl
  Min. 1st Qu.  Median      Mean 3rd Qu.    Max.   NA's
  1.000  6.000   8.000   7.609 10.000  12.000   285

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patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.3.qu
  Min. 1st Qu.  Median      Mean 3rd Qu.    Max.    NA's
  0.87   1.14   1.82   2.34   3.20   7.20   285

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.3.so
  23 NA's
  813 285

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.3.vo
  Min. 1st Qu.  Median      Mean 3rd Qu.    Max.    NA's
  6.67  13.34  26.00  27.85  40.00  80.00   285

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.3.ye
  Min. 1st Qu.  Median      Mean 3rd Qu.    Max.    NA's
  2010   2010   2011   2011   2011   2014   285

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.4.bo
ffpe validation          NA's
          4          1094

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.4.bi
  Min. 1st Qu.  Median      Mean 3rd Qu.    Max.    NA's
  89490286  99038218 100491627 104327738 108474852 153879541   723

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.4.ce
  Min. 1st Qu.  Median      Mean 3rd Qu.    Max.    NA's
  1.000   5.000   9.000   6.883   9.000  26.000   723

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.4.co
  Min. 1st Qu.  Median      Mean 3rd Qu.    Max.    NA's
  0.0600  0.0800  0.0800  0.1107  0.1500  0.1800   723

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.4.da
  Min. 1st Qu.  Median      Mean 3rd Qu.    Max.    NA's
  2.00   9.00  14.00  17.09  26.00  31.00   723

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.4.is
  no  yes NA's
  370  5  723

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.4.mo
  Min. 1st Qu.  Median      Mean 3rd Qu.    Max.    NA's
  1.000   6.500   8.000   6.875   8.000  11.000   723

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.4.pl
  Min. 1st Qu.  Median      Mean 3rd Qu.    Max.    NA's
  1.000   4.000   7.000   6.413   9.000  12.000   723

```

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.4.qu

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0.320	1.070	1.950	2.312	4.010	7.530	723

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.4.so

23 NA's
375 723

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.4.vo

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
3.00	13.00	13.34	21.75	26.70	107.60	723

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.4.ye

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
2010	2010	2010	2010	2011	2015	723

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.5.bi

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
99054787	105040717	113388869	114424569	113416465	167811761	1045

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.5.ce

9 NA's
53 1045

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.5.co

0.07 0.08 0.09 NA's
13 31 9 1045

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.5.da

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
2.00	2.00	19.00	15.53	26.00	26.00	1045

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.5.is

no NA's
53 1045

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.5.mo

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1.000	1.000	7.000	6.528	11.000	11.000	1045

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.5.pl

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
2.000	4.000	4.000	5.245	7.000	12.000	1045

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.5.qu

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1.070	2.080	2.800	2.829	3.200	4.680	1045

```

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.5.sc
  23 NA's
  53 1045

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.5.vo
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.   NA's
  13.40  26.00   40.00   35.35  40.00   52.00  1045

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.5.ye
2011 2013 2015 NA's
  47    5    1 1045

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.6.bo
tcga-b6-a0i6-10a-01d-a46a-09 tcga-b6-a0re-10a-01d-a46a-09
                                1                                1
tcga-bh-a1fc-11a-32d-a314-09                                NA's
                                1                                1095

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.6.bo
00b14c77-845c-432e-923c-c2c412f5df31 65957351-2f2c-47c6-b92b-a8e7a78a1364
                                1                                1
79c31fed-ddf0-4f77-98e7-420feae57046                                NA's
                                1                                1095

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.6.bi
153879468 167811762 167811785    NA's
          1          1          1    1095

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.6.ce
  9 NA's
  3 1095

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.6.co
0.08 0.09 NA's
  2    1 1095

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.6.da
  21   26 NA's
  2    1 1095

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.6.is
no NA's
  3 1095

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.6.mo
  1    6 NA's
  2    1 1095

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.6.pl
  1    6    7 NA's
  1    1    1 1095

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patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.6.pl
a314 a46a NA's
  1    2 1095

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.6.pl
e    g NA's
  1    2 1095

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.6.qu
1.07 1.8 NA's
  2    1 1095

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.6.sc
23 NA's
  3 1095

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.6.vo
13.4 20 NA's
  2    1 1095

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.6.ye
2013 2015 NA's
  1    2 1095

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.addi
fppp NA's
  5 1093

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.addi
tcga NA's
  5 1093

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.bcr_
ffpe validation          NA's
              7          1091

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.bios
      Min.  1st Qu.  Median  Mean  3rd Qu.  Max.  NA's
99014640 100474581 100492165 112762204 113421587 174191240 1

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.cent
  1    2    9 NA's
432 653 12    1

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.conc
      Min. 1st Qu.  Median  Mean 3rd Qu.  Max.  NA's
0.0400 0.1500 0.1600 0.1552 0.1700 0.2500 1

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.day_

```

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1.00	12.00	16.00	17.85	25.00	31.00	1

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.is_d

no	yes	NA's
1085	12	1

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.mont

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1.000	3.000	5.000	5.333	7.000	12.000	1

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.plat

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1.000	6.000	8.000	7.249	9.000	12.000	1

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.quant

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0.400	1.070	1.950	1.657	2.080	3.250	1

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.sour

23 NA's	
1097	1

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.vol

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
6.67	6.70	13.00	10.78	13.00	56.00	1

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.year

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
2010	2010	2011	2011	2011	2014	1

patient.samples.sample.2.portions.portion.analytes.analyte.amount:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1.11	14.55	23.14	30.09	37.20	338.66	4

patient.samples.sample.2.portions.portion.analytes.analyte.analyte_type:

dna NA's	
1097	1

patient.samples.sample.2.portions.portion.analytes.analyte.analyte_type_id:

d NA's	
1097	1

patient.samples.sample.2.portions.portion.analytes.analyte.concentration:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0.060	0.150	0.160	0.156	0.170	0.250	1

patient.samples.sample.2.portions.portion.analytes.analyte.dna.normal_tumor_gen

yes NA's
1097 1

patient.samples.sample.2.portions.portion.analytes.analyte.dna.pcr_amplification
yes NA's
1097 1

patient.samples.sample.2.portions.portion.analytes.analyte.gel_image_file:
https://sharedoc.nchri.org/tcga-bcr/default.aspx
1097
NA's
1

patient.samples.sample.2.portions.portion.analytes.analyte.is_derived_from_ffpe:
no yes NA's
1085 12 1

patient.samples.sample.2.portions.portion.analytes.analyte.protocols.protocol.ex
adna preparation type allprep ffpe dna
700 12
pre-extracted dna received by tss NA's
382 4

patient.samples.sample.2.portions.portion.analytes.analyte.spectrophotometer_met
picogreen uv spec NA's
304 793 1

patient.samples.sample.2.portions.portion.analytes.analyte.subportion_sequence:
1 2 3 4 NA's
29 35 29 4 1001

patient.samples.sample.2.portions.portion.day_of_creation:
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
1.00 9.00 16.00 15.97 23.00 31.00 1

patient.samples.sample.2.portions.portion.is_ffpe:
no yes NA's
1085 12 1

patient.samples.sample.2.portions.portion.month_of_creation:
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
1.000 4.000 5.000 6.095 8.000 12.000 1

patient.samples.sample.2.portions.portion.portion_number:
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
1.000 1.000 1.000 3.261 1.000 94.000 1

patient.samples.sample.2.portions.portion.portion_sequence:
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
1.000 1.000 1.000 1.199 1.000 9.000 144


```
patient.samples.sample.2.portions.portion.slides.slide.2.is_derived_from_ffpe:
  no  yes NA's
  58  12 1028
```

```
patient.samples.sample.2.portions.portion.slides.slide.2.percent_lymphocyte_infi
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.    NA's
  0.000  0.000  0.000  2.071  1.000  50.000  1028
```

```
patient.samples.sample.2.portions.portion.slides.slide.2.percent_monocyte_infilt
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.    NA's
  0.0    0.0    0.0    1.2    0.0    50.0    1028
```

```
patient.samples.sample.2.portions.portion.slides.slide.2.percent_necrosis:
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.    NA's
  0.0000 0.0000  0.0000  0.8387  0.0000 15.0000  1036
```

```
patient.samples.sample.2.portions.portion.slides.slide.2.percent_neutrophil_infi
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.    NA's
  0.0    0.0    0.0    0.5    0.0    20.0    1028
```

```
patient.samples.sample.2.portions.portion.slides.slide.2.percent_normal_cells:
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.    NA's
  0.00    4.00   19.00   45.64 100.00 100.00  1028
```

```
patient.samples.sample.2.portions.portion.slides.slide.2.percent_stromal_cells:
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.    NA's
  0.00    0.00   42.50   47.13  91.50 100.00  1036
```

```
patient.samples.sample.2.portions.portion.slides.slide.2.percent_tumor_cells:
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.    NA's
  0.00    0.00    0.00   11.87  0.00  95.00  1028
```

```
patient.samples.sample.2.portions.portion.slides.slide.2.percent_tumor_nuclei:
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.    NA's
  0.00    0.00    0.00   15.48  0.00  85.00  1036
```

```
patient.samples.sample.2.portions.portion.slides.slide.2.section_location:
bottom    top    NA's
  12     58  1028
```

```
patient.samples.sample.2.portions.portion.slides.slide.3.is_derived_from_ffpe:
  no NA's
  37 1061
```

```
patient.samples.sample.2.portions.portion.slides.slide.3.percent_lymphocyte_infi
```

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0.000	0.000	0.000	6.528	1.000	70.000	1062

patient.samples.sample.2.portions.portion.slides.slide.3.percent_monocyte_infiltration:

0	1	10	50	NA's
27	6	2	1	1062

patient.samples.sample.2.portions.portion.slides.slide.3.percent_necrosis:

0	10	NA's
30	3	1065

patient.samples.sample.2.portions.portion.slides.slide.3.percent_neutrophil_infiltration:

0	10	20	30	NA's
32	2	1	1	1062

patient.samples.sample.2.portions.portion.slides.slide.3.percent_normal_cells:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0.00	15.00	90.00	61.14	100.00	100.00	1061

patient.samples.sample.2.portions.portion.slides.slide.3.percent_stromal_cells:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0.00	0.00	10.00	42.67	88.00	100.00	1065

patient.samples.sample.2.portions.portion.slides.slide.3.percent_tumor_cells:

0	NA's
37	1061

patient.samples.sample.2.portions.portion.slides.slide.3.percent_tumor_nuclei:

0	NA's
33	1065

patient.samples.sample.2.portions.portion.slides.slide.3.section_location:

top	NA's
37	1061

patient.samples.sample.2.portions.portion.slides.slide.4.is_derived_from_ffpe:

no	NA's
20	1078

patient.samples.sample.2.portions.portion.slides.slide.4.percent_lymphocyte_infiltration:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0.00	0.00	0.00	9.21	1.00	80.00	1079

patient.samples.sample.2.portions.portion.slides.slide.4.percent_monocyte_infiltration:

0	1	10	50	NA's
16	1	1	1	1079

patient.samples.sample.2.portions.portion.slides.slide.4.percent_necrosis:

0	5	10	NA's
---	---	----	------

```

14      1      2 1081

patient.samples.sample.2.portions.portion.slides.slide.4.percent_neutrophil_infi
  0   10   20 NA's
16      2      1 1079

patient.samples.sample.2.portions.portion.slides.slide.4.percent_normal_cells:
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.    NA's
  0.00   8.75  100.00   69.15 100.00  100.00   1078

patient.samples.sample.2.portions.portion.slides.slide.4.percent_stromal_cells:
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.    NA's
  0.00   0.00   0.00   34.82  95.00  100.00   1081

patient.samples.sample.2.portions.portion.slides.slide.4.percent_tumor_cells:
  0 NA's
20 1078

patient.samples.sample.2.portions.portion.slides.slide.4.percent_tumor_nuclei:
  0 NA's
17 1081

patient.samples.sample.2.portions.portion.slides.slide.4.section_location:
top NA's
20 1078

patient.samples.sample.2.portions.portion.slides.slide.5.is_derived_from_ffpe:
no NA's
  6 1092

patient.samples.sample.2.portions.portion.slides.slide.5.percent_lymphocyte_infi
  0    5 NA's
  5    1 1092

patient.samples.sample.2.portions.portion.slides.slide.5.percent_monocyte_infilt
  0    3 NA's
  5    1 1092

patient.samples.sample.2.portions.portion.slides.slide.5.percent_necrosis:
  0 NA's
  3 1095

patient.samples.sample.2.portions.portion.slides.slide.5.percent_neutrophil_infi
  0    1 NA's
  5    1 1092

patient.samples.sample.2.portions.portion.slides.slide.5.percent_normal_cells:
  3 100 NA's
  1    5 1092

```

```

patient.samples.sample.2.portions.portion.slides.slide.5.percent_stromal_cells:
  0  97 NA's
  2   1 1095

patient.samples.sample.2.portions.portion.slides.slide.5.percent_tumor_cells:
  0 NA's
  6 1092

patient.samples.sample.2.portions.portion.slides.slide.5.percent_tumor_nuclei:
  0 NA's
  3 1095

patient.samples.sample.2.portions.portion.slides.slide.5.section_location:
  top NA's
  6 1092

patient.samples.sample.2.portions.portion.slides.slide.6.bcr_slide_barcode:
tcga-bh-a0dd-11a-05-tse tcga-e2-aliu-11a-06-tsf NA's
                        1                      1      1096

patient.samples.sample.2.portions.portion.slides.slide.6.bcr_slide_uuid:
4a8b32a0-22d7-4262-8139-81ca73b121ff 96609ca3-27d5-47b7-a3b2-9f658b24a26b
                        1                      1
                        NA's
                        1096

patient.samples.sample.2.portions.portion.slides.slide.6.image_file_name:
tcga-bh-a0dd-11a-05-tse.4a8b32a0-22d7-4262-8139-81ca73b121ff.svs
                                                                1
tcga-e2-aliu-11a-06-tsf.96609ca3-27d5-47b7-a3b2-9f658b24a26b.svs
                                                                1
                                                                NA's
                                                                1096

patient.samples.sample.2.portions.portion.slides.slide.6.is_derived_from_ffpe:
  no NA's
  2 1096

patient.samples.sample.2.portions.portion.slides.slide.6.percent_lymphocyte_infi
  0 NA's
  2 1096

patient.samples.sample.2.portions.portion.slides.slide.6.percent_monocyte_infilt
  0 NA's
  2 1096

patient.samples.sample.2.portions.portion.slides.slide.6.percent_neutrophil_infi
  0 NA's
  2 1096

patient.samples.sample.2.portions.portion.slides.slide.6.percent_normal_cells:

```

```

100 NA's
  2 1096

patient.samples.sample.2.portions.portion.slides.slide.6.percent_tumor_cells:
  0 NA's
  2 1096

patient.samples.sample.2.portions.portion.slides.slide.6.section_location:
  top NA's
  2 1096

patient.samples.sample.2.portions.portion.slides.slide.is_derived_from_ffpe:
  no  yes NA's
  93  12  993

patient.samples.sample.2.portions.portion.slides.slide.percent_lymphocyte_infiltrate:
  Min. 1st Qu.  Median    Mean 3rd Qu.  Max.  NA's
  0.00   0.00   0.00   1.99   2.00  50.00  995

patient.samples.sample.2.portions.portion.slides.slide.percent_monocyte_infiltrate:
  Min. 1st Qu.  Median    Mean 3rd Qu.  Max.  NA's
  0.0000 0.0000  0.0000  0.4757  0.0000 20.0000  995

patient.samples.sample.2.portions.portion.slides.slide.percent_necrosis:
  Min. 1st Qu.  Median    Mean 3rd Qu.  Max.  NA's
  0.0000 0.0000  0.0000  0.4731  0.0000 15.0000  1005

patient.samples.sample.2.portions.portion.slides.slide.percent_neutrophil_infiltrate:
  Min. 1st Qu.  Median    Mean 3rd Qu.  Max.  NA's
  0.000   0.000   0.000   0.534   0.000  40.000  995

patient.samples.sample.2.portions.portion.slides.slide.percent_normal_cells:
  Min. 1st Qu.  Median    Mean 3rd Qu.  Max.  NA's
  0.00   2.75   20.00   47.14  100.00  100.00  994

patient.samples.sample.2.portions.portion.slides.slide.percent_stromal_cells:
  Min. 1st Qu.  Median    Mean 3rd Qu.  Max.  NA's
  0.00   0.00   20.00   40.76   90.00  100.00  1005

patient.samples.sample.2.portions.portion.slides.slide.percent_tumor_cells:
  Min. 1st Qu.  Median    Mean 3rd Qu.  Max.  NA's
  0.00   0.00   0.00   15.02   0.00  100.00  994

patient.samples.sample.2.portions.portion.slides.slide.percent_tumor_nuclei:
  Min. 1st Qu.  Median    Mean 3rd Qu.  Max.  NA's
  0.00   0.00   0.00   18.12   0.00   95.00  1005

patient.samples.sample.2.portions.portion.slides.slide.section_location:
  bottom  top  NA's

```

12 93 993

patient.samples.sample.2.portions.portion.weight:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1.0	2.0	2.0	92.7	150.0	1000.0	501

patient.samples.sample.2.portions.portion.year_of_creation:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
2010	2010	2011	2011	2011	2014	1

patient.samples.sample.2.portions.shipment_portion.center_id:

20 NA's
23 1075

patient.samples.sample.2.portions.shipment_portion.is_ffpe:

no NA's
23 1075

patient.samples.sample.2.portions.shipment_portion.plate_id:

a13d a24b a43o NA's
2 5 16 1075

patient.samples.sample.2.portions.shipment_portion.portion_number:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
21.00	21.00	41.00	37.52	51.00	71.00	1075

patient.samples.sample.2.portions.shipment_portion.portion_sequence:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
2.00	2.00	3.50	3.50	4.75	6.00	1076

patient.samples.sample.2.portions.shipment_portion.shipment_portion_day_of_shipment:

14 22 24 NA's
5 2 16 1075

patient.samples.sample.2.portions.shipment_portion.shipment_portion_month_of_shipment:

3 6 11 NA's
2 16 5 1075

patient.samples.sample.2.portions.shipment_portion.shipment_portion_year_of_shipment:

2011 2012 2014 NA's
2 5 16 1075

patient.samples.sample.2.sample_type:

blood derived	normal	metastatic	primary tumor
	992	7	15
solid tissue	normal	NA's	
	83	1	

patient.samples.sample.2.sample_type_id:

1 6 10 11 NA's

```

15      7  992   83    1

patient.samples.sample.2.vial_number:
  a      b      c      d NA's
1028   57   11    1    1

patient.samples.sample.3.bcr_biospecimen_canonical_reasons.bcr_canonical_reason:
germline comparison          NA's
                        3          1095

patient.samples.sample.3.days_to_collection:
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.    NA's
  30.0   91.0   289.0   706.3  950.0  7498.0  1003

patient.samples.sample.3.initial_weight:
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.    NA's
  50.0  202.5   335.0   465.8  640.0  1830.0  1024

patient.samples.sample.3.is_ffpe:
no NA's
95 1003

patient.samples.sample.3.oct_embedded:
false true NA's
  51   44  1003

patient.samples.sample.3.portions.portion.2.analytes.analyte.aliquots.aliquot.ad
fppp NA's
  2 1096

patient.samples.sample.3.portions.portion.2.analytes.analyte.aliquots.aliquot.ad
tcga NA's
  2 1096

patient.samples.sample.3.portions.portion.2.analytes.analyte.aliquots.aliquot.bo
tcga-a7-a0db-10a-02d-a272-09 tcga-a7-a13e-10a-02d-a272-09
                        1                        1
                        NA's
                        1096

patient.samples.sample.3.portions.portion.2.analytes.analyte.aliquots.aliquot.bo
9bd41c60-2384-4ea1-99a2-cc4a8ebf19cc b9e04a17-821c-4e9f-a161-459e74727817
                        1                        1
                        NA's
                        1096

patient.samples.sample.3.portions.portion.2.analytes.analyte.aliquots.aliquot.bo
ffpe validation          NA's
                        2          1096

```

patient.samples.sample.3.portions.portion.2.analytes.analyte.aliquots.aliquot.bi
132158804 132158821 NA's
1 1 1096

patient.samples.sample.3.portions.portion.2.analytes.analyte.aliquots.aliquot.ce
9 NA's
2 1096

patient.samples.sample.3.portions.portion.2.analytes.analyte.aliquots.aliquot.co
0.08 NA's
2 1096

patient.samples.sample.3.portions.portion.2.analytes.analyte.aliquots.aliquot.da
13 NA's
2 1096

patient.samples.sample.3.portions.portion.2.analytes.analyte.aliquots.aliquot.is
no NA's
2 1096

patient.samples.sample.3.portions.portion.2.analytes.analyte.aliquots.aliquot.mo
3 NA's
2 1096

patient.samples.sample.3.portions.portion.2.analytes.analyte.aliquots.aliquot.pl
7 NA's
2 1096

patient.samples.sample.3.portions.portion.2.analytes.analyte.aliquots.aliquot.pl
a272 NA's
2 1096

patient.samples.sample.3.portions.portion.2.analytes.analyte.aliquots.aliquot.pl
c d NA's
1 1 1096

patient.samples.sample.3.portions.portion.2.analytes.analyte.aliquots.aliquot.qu
1.6 NA's
2 1096

patient.samples.sample.3.portions.portion.2.analytes.analyte.aliquots.aliquot.so
23 NA's
2 1096

patient.samples.sample.3.portions.portion.2.analytes.analyte.aliquots.aliquot.vo
20 NA's
2 1096

patient.samples.sample.3.portions.portion.2.analytes.analyte.aliquots.aliquot.ye
2013 NA's
2 1096

patient.samples.sample.3.portions.portion.2.analytes.analyte.amount:
 38.97 89 NA's
 1 1 1096

patient.samples.sample.3.portions.portion.2.analytes.analyte.analyte_type:
 dna NA's
 2 1096

patient.samples.sample.3.portions.portion.2.analytes.analyte.analyte_type_id:
 d NA's
 2 1096

patient.samples.sample.3.portions.portion.2.analytes.analyte.bcr_analyte_barcode:
 tcga-a7-a0db-10a-02d tcga-a7-a13e-10a-02d NA's
 1 1 1096

patient.samples.sample.3.portions.portion.2.analytes.analyte.bcr_analyte_uuid:
 2628fae2-d81e-4543-865b-4f8435c57ab9 8af8832c-f078-45d9-9112-92490caadbc0
 1 1
 NA's
 1096

patient.samples.sample.3.portions.portion.2.analytes.analyte.concentration:
 0.15 0.16 NA's
 1 1 1096

patient.samples.sample.3.portions.portion.2.analytes.analyte.dna.normal_tumor_genotype:
 yes NA's
 2 1096

patient.samples.sample.3.portions.portion.2.analytes.analyte.dna.pcr_amplification:
 yes NA's
 2 1096

patient.samples.sample.3.portions.portion.2.analytes.analyte.gel_image_file:
<https://sharedoc.nchri.org/tcga-bcr/default.aspx>
 2
 NA's
 1096

patient.samples.sample.3.portions.portion.2.analytes.analyte.is_derived_from_ffp:
 no NA's
 2 1096

patient.samples.sample.3.portions.portion.2.analytes.analyte.protocols.protocol:
 adna preparation type NA's
 2 1096

patient.samples.sample.3.portions.portion.2.analytes.analyte.spectrophotometer_reading:
 picogreen NA's
 2 1096

```
patient.samples.sample.3.portions.portion.2.bcr_portion_barcode:
tcga-a7-a0db-10a-02 tcga-a7-a13e-10a-02 NA's
1 1 1096
```

```
patient.samples.sample.3.portions.portion.2.bcr_portion_uuid:
2f71ade7-f6fe-4266-b22a-61aac78b3e66 fe97eba0-cb01-4bcc-9d94-df6948897ec2
1 1
NA's
1096
```

```
patient.samples.sample.3.portions.portion.2.day_of_creation:
27 NA's
2 1096
```

```
patient.samples.sample.3.portions.portion.2.is_ffpe:
no NA's
2 1096
```

```
patient.samples.sample.3.portions.portion.2.month_of_creation:
2 NA's
2 1096
```

```
patient.samples.sample.3.portions.portion.2.portion_number:
2 NA's
2 1096
```

```
patient.samples.sample.3.portions.portion.2.portion_sequence:
2 NA's
2 1096
```

```
patient.samples.sample.3.portions.portion.2.weight:
2 NA's
2 1096
```

```
patient.samples.sample.3.portions.portion.2.year_of_creation:
2013 NA's
2 1096
```

```
patient.samples.sample.3.portions.portion.analytes.analyte.2.a260_a280_ratio:
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
0.380 1.750 1.790 1.742 1.833 2.100 1046
```

```
patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.2.
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
94929329 99033502 100471589 102385044 100477579 167812914 1049
```

```
patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.2.
7 8 13 NA's
31 2 16 1049
```

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.2.
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 0.13 0.15 0.16 0.17 0.17 0.50 1049

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.2.
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 6.00 12.00 23.00 20.61 29.00 31.00 1049

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.2.
 no NA's
 49 1049

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.2.
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 1.000 3.000 5.000 5.388 9.000 12.000 1049

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.2.
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 1.000 2.000 5.000 4.633 6.000 11.000 1049

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.2.
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 0.860 3.200 4.010 5.239 4.270 40.000 1049

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.2.
 23 NA's
 49 1049

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.2.
 6.6 20 26.7 80 NA's
 1 16 30 2 1049

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.2.
 2010 2011 2014 NA's
 18 30 1 1049

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.3.
 tcga-bh-a0ba-11a-22r-a19e-07 NA's
 1 1097

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.3.
 3bfd1811-bd2a-439d-8dde-237abcf855af NA's
 1 1097

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.3.
 113388773 NA's
 1 1097

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.3.
 7 NA's

1 1097

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.3.
0.16 NA's

1 1097

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.3.
25 NA's

1 1097

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.3.
no NA's

1 1097

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.3.
10 NA's

1 1097

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.3.
1 NA's

1 1097

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.3.
a19e NA's

1 1097

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.3.
a NA's

1 1097

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.3.
2.08 NA's

1 1097

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.3.
23 NA's

1 1097

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.3.
13 NA's

1 1097

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.3.
2011 NA's

1 1097

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.bi	Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
	99014248	100471161	100477175	108366744	108466252	167804413	1012

```
patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.ce
  7   9  13 NA's
 22  34  30 1012
```

```
patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.co
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.    NA's
0.1000 0.1500  0.1700  0.2903 0.5000  0.5000  1012
```

```
patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.da
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.    NA's
 3.00   8.00  22.50  18.69  29.00  31.00  1012
```

```
patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.is
no NA's
86 1012
```

```
patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.mo
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.    NA's
 1.000   3.000   5.000   5.419   9.000  11.000  1012
```

```
patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.pl
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.    NA's
 1.000   4.000   6.000   5.826   7.750  12.000  1012
```

```
patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.qu
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.    NA's
 2.67   3.20   4.01  17.92  40.00  40.00  1012
```

```
patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.so
 23 NA's
 86 1012
```

```
patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.vo
 20 26.7   80 NA's
 30  22   34 1012
```

```
patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.ye
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.    NA's
 2010   2010   2011   2011   2011   2014   1012
```

```
patient.samples.sample.3.portions.portion.analytes.analyte.2.amount:
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.    NA's
 4.47  10.17  14.87  28.04  24.07  214.20  1046
```

```
patient.samples.sample.3.portions.portion.analytes.analyte.2.analyte_type:
repli-g (qiagen) dna                rna                NA's
                   34                52                1012
```

```
patient.samples.sample.3.portions.portion.analytes.analyte.2.analyte_type_id:
  r    w NA's
```

52 34 1012

patient.samples.sample.3.portions.portion.analytes.analyte.2.concentration:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 0.1000 0.1500 0.1600 0.1533 0.1600 0.1800 1046

patient.samples.sample.3.portions.portion.analytes.analyte.2.dna.normal_tumor_ge
 yes NA's
 34 1064

patient.samples.sample.3.portions.portion.analytes.analyte.2.dna.pcr_amplificati
 yes NA's
 34 1064

patient.samples.sample.3.portions.portion.analytes.analyte.2.gel_image_file:
<https://sharedoc.nchri.org/tcga-bcr/default.aspx>
 86
 NA's
 1012

patient.samples.sample.3.portions.portion.analytes.analyte.2.is_derived_from_ffp
 no NA's
 86 1012

patient.samples.sample.3.portions.portion.analytes.analyte.2.protocols.protocol.
 allprep rna extraction mirvana (allprep dna) rna repli-g
 2 50 32
 NA's
 1014

patient.samples.sample.3.portions.portion.analytes.analyte.2.rna.ratio_28s_18s:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 1.100 1.300 1.500 1.486 1.700 2.100 1046

patient.samples.sample.3.portions.portion.analytes.analyte.2.rna.rinvalue:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 6.500 7.500 8.100 8.088 8.600 9.600 1046

patient.samples.sample.3.portions.portion.analytes.analyte.2.spectrophotometer_m
 uv spec NA's
 52 1046

patient.samples.sample.3.portions.portion.analytes.analyte.2.subportion_sequence
 1 2 3 4 NA's
 17 23 24 4 1030

patient.samples.sample.3.portions.portion.analytes.analyte.3.aliquots.aliquot.2.
 tcga-a7-a0db-10a-01x-a026-08 tcga-a7-a0dc-10a-01x-a026-08
 1 1
 NA's

1096

patient.samples.sample.3.portions.portion.analytes.analyte.3.aliquots.aliquot.2.
0e4b4a82-57f1-4b8d-bc9c-fdc381437614 1359d258-7be3-4750-b776-b794ac2c7706

1 1
NA's
1096

patient.samples.sample.3.portions.portion.analytes.analyte.3.aliquots.aliquot.2.
99035771 99035826 NA's

1 1 1096

patient.samples.sample.3.portions.portion.analytes.analyte.3.aliquots.aliquot.2.
8 NA's

2 1096

patient.samples.sample.3.portions.portion.analytes.analyte.3.aliquots.aliquot.2.
0.5 NA's

2 1096

patient.samples.sample.3.portions.portion.analytes.analyte.3.aliquots.aliquot.2.
29 NA's

2 1096

patient.samples.sample.3.portions.portion.analytes.analyte.3.aliquots.aliquot.2.
no NA's

2 1096

patient.samples.sample.3.portions.portion.analytes.analyte.3.aliquots.aliquot.2.
6 NA's

2 1096

patient.samples.sample.3.portions.portion.analytes.analyte.3.aliquots.aliquot.2.
11 NA's

2 1096

patient.samples.sample.3.portions.portion.analytes.analyte.3.aliquots.aliquot.2.
a026 NA's

2 1096

patient.samples.sample.3.portions.portion.analytes.analyte.3.aliquots.aliquot.2.
c d NA's

1 1 1096

patient.samples.sample.3.portions.portion.analytes.analyte.3.aliquots.aliquot.2.
40 NA's

2 1096

patient.samples.sample.3.portions.portion.analytes.analyte.3.aliquots.aliquot.2.
23 NA's

2 1096

patient.samples.sample.3.portions.portion.analytes.analyte.3.aliquots.aliquot.2.
 80 NA's
 2 1096

patient.samples.sample.3.portions.portion.analytes.analyte.3.aliquots.aliquot.2.
 2010 NA's
 2 1096

patient.samples.sample.3.portions.portion.analytes.analyte.3.aliquots.aliquot.bi

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
99012875	99022646	100471230	101673987	100479098	108433023	1060

patient.samples.sample.3.portions.portion.analytes.analyte.3.aliquots.aliquot.ce
 9 NA's
 38 1060

patient.samples.sample.3.portions.portion.analytes.analyte.3.aliquots.aliquot.co
 0.5 NA's
 38 1060

patient.samples.sample.3.portions.portion.analytes.analyte.3.aliquots.aliquot.da

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
3.00	8.00	12.00	13.58	23.00	29.00	1060

patient.samples.sample.3.portions.portion.analytes.analyte.3.aliquots.aliquot.is
 no NA's
 38 1060

patient.samples.sample.3.portions.portion.analytes.analyte.3.aliquots.aliquot.mo

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
2.000	5.000	10.000	7.421	10.000	11.000	1060

patient.samples.sample.3.portions.portion.analytes.analyte.3.aliquots.aliquot.pl

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1.000	1.250	5.500	5.895	11.000	12.000	1060

patient.samples.sample.3.portions.portion.analytes.analyte.3.aliquots.aliquot.qu
 6.5 40 NA's
 15 23 1060

patient.samples.sample.3.portions.portion.analytes.analyte.3.aliquots.aliquot.so
 23 NA's
 38 1060

patient.samples.sample.3.portions.portion.analytes.analyte.3.aliquots.aliquot.vo
 13 80 NA's
 15 23 1060

patient.samples.sample.3.portions.portion.analytes.analyte.3.aliquots.aliquot.ye
 2010 2011 NA's
 24 14 1060

patient.samples.sample.3.portions.portion.analytes.analyte.3.analyte_type:
 repli-g (qiagen) dna repli-g x (qiagen) dna NA's
 36 2 1060

patient.samples.sample.3.portions.portion.analytes.analyte.3.analyte_type_id:
 w x NA's
 36 2 1060

patient.samples.sample.3.portions.portion.analytes.analyte.3.dna.normal_tumor_ge
 yes NA's
 38 1060

patient.samples.sample.3.portions.portion.analytes.analyte.3.dna.pcr_amplificati
 yes NA's
 38 1060

patient.samples.sample.3.portions.portion.analytes.analyte.3.gel_image_file:
<https://sharedoc.nchri.org/tcga-bcr/default.aspx>
 38
 NA's
 1060

patient.samples.sample.3.portions.portion.analytes.analyte.3.is_derived_from_ffp
 no NA's
 38 1060

patient.samples.sample.3.portions.portion.analytes.analyte.3.protocols.protocol.
 repli-g NA's
 36 1062

patient.samples.sample.3.portions.portion.analytes.analyte.3.subportion_sequence
 1 2 3 4 NA's
 9 16 9 2 1062

patient.samples.sample.3.portions.portion.analytes.analyte.4.aliquots.aliquot.bi
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 99013060 99016418 99050855 99554705 100471201 100489924 1076

patient.samples.sample.3.portions.portion.analytes.analyte.4.aliquots.aliquot.ce
 9 NA's
 22 1076

patient.samples.sample.3.portions.portion.analytes.analyte.4.aliquots.aliquot.co
 0.5 NA's

```

22 1076

patient.samples.sample.3.portions.portion.analytes.analyte.4.aliquots.aliquot.da
  8  12 NA's
  7  15 1076

patient.samples.sample.3.portions.portion.analytes.analyte.4.aliquots.aliquot.is
no NA's
22 1076

patient.samples.sample.3.portions.portion.analytes.analyte.4.aliquots.aliquot.mo
 10  11 NA's
 15   7 1076

patient.samples.sample.3.portions.portion.analytes.analyte.4.aliquots.aliquot.pl
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.    NA's
  1.0    2.0    2.5     4.0    5.0   12.0   1076

patient.samples.sample.3.portions.portion.analytes.analyte.4.aliquots.aliquot.pl
a100 a10f NA's
 15   7 1076

patient.samples.sample.3.portions.portion.analytes.analyte.4.aliquots.aliquot.qu
 6.5  40 NA's
 15   7 1076

patient.samples.sample.3.portions.portion.analytes.analyte.4.aliquots.aliquot.so
 23 NA's
 22 1076

patient.samples.sample.3.portions.portion.analytes.analyte.4.aliquots.aliquot.vo
 13  80 NA's
 15   7 1076

patient.samples.sample.3.portions.portion.analytes.analyte.4.aliquots.aliquot.ye
2010 NA's
 22 1076

patient.samples.sample.3.portions.portion.analytes.analyte.4.analyte_type:
repli-g x (qiagen) dna                NA's
                        22                1076

patient.samples.sample.3.portions.portion.analytes.analyte.4.analyte_type_id:
  x NA's
 22 1076

patient.samples.sample.3.portions.portion.analytes.analyte.4.dna.normal_tumor_ge
yes NA's
 22 1076

```

patient.samples.sample.3.portions.portion.analytes.analyte.4.dna.pcr_amplification
yes NA's
22 1076

patient.samples.sample.3.portions.portion.analytes.analyte.4.gel_image_file:
<https://sharedoc.nchri.org/tcga-bcr/default.aspx>
22
NA's
1076

patient.samples.sample.3.portions.portion.analytes.analyte.4.is_derived_from_ffp
no NA's
22 1076

patient.samples.sample.3.portions.portion.analytes.analyte.4.protocols.protocol.
repli-g x NA's
22 1076

patient.samples.sample.3.portions.portion.analytes.analyte.4.subportion_sequence
1 2 3 NA's
7 8 7 1076

patient.samples.sample.3.portions.portion.analytes.analyte.a260_a280_ratio:
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
1.590 1.890 1.940 1.946 2.000 2.440 1017

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.2.bo
germline comparison NA's
1 1097

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.2.bi
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
99015308 100471205 100490103 109715448 109704572 174189221 1026

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.2.ce
1 5 7 9 NA's
41 6 1 24 1026

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.2.co
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
0.0700 0.0800 0.1500 0.1307 0.1600 0.1800 1026

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.2.da
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
4.00 12.00 26.00 21.47 29.00 31.00 1026

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.2.is
no NA's
72 1026

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.2.mo

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1.000	2.000	3.000	4.764	9.000	10.000	1026

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.2.pl

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1.000	3.000	6.500	6.361	11.000	12.000	1026

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.2.qu

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0.930	1.070	1.130	1.858	2.800	4.810	1026

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.2.sc

23 NA's
72 1026

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.2.vo

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
6.67	6.67	6.67	17.51	26.70	40.00	1026

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.2.ye

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
2010	2010	2011	2011	2011	2014	1026

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.3.bi

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
89490684	99017209	100471179	102071737	108431820	113423695	1041

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.3.ce

1 5 8 9 NA's
8 16 2 31 1041

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.3.co

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0.0700	0.0800	0.0900	0.1118	0.1500	0.1700	1041

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.3.da

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
8.00	8.00	22.00	19.07	29.00	31.00	1041

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.3.is

no NA's
57 1041

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.3.mo

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1.00	2.00	3.00	5.21	9.00	11.00	1041

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.3.pl
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 1.000 1.000 6.000 5.842 11.000 12.000 1041

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.3.qu
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 0.870 2.080 3.600 3.445 4.540 6.400 1041

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.3.sc
 23 NA's
 57 1041

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.3.vo
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 6.67 26.00 26.70 35.11 40.00 80.00 1041

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.3.ye
 2010 2011 NA's
 24 33 1041

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.4.ad
 fppp NA's
 3 1095

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.4.ad
 tcga NA's
 3 1095

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.4.bo
 ffpe validation NA's
 3 1095

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.4.bi
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 99015292 100471201 100488843 105137309 108431640 153879469 1051

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.4.ce
 2 5 9 NA's
 1 24 22 1051

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.4.co
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 0.0700 0.0800 0.1500 0.1206 0.1550 0.1800 1051

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.4.da
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 2.00 12.00 12.00 13.36 13.00 31.00 1051

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.4.is
 no NA's
 47 1051

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.4.mo
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 1.000 2.000 3.000 5.936 10.000 12.000 1051

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.4.pl
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 1.000 4.500 7.000 7.149 11.500 12.000 1051

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.4.qu
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 1.400 2.080 3.470 3.112 4.010 4.810 1051

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.4.sc
 23 NA's
 47 1051

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.4.vo
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 13.00 26.00 26.70 25.83 26.70 52.00 1051

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.4.ye
 2010 2011 2013 NA's
 20 23 4 1051

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.5.ad
 fppp NA's
 2 1096

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.5.ad
 tcga NA's
 2 1096

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.5.bo
 ffpe validation NA's
 2 1096

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.5.bi
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 100476630 100476651 100476680 108045746 100476740 153879494 1079

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.5.ce
 1 5 9 NA's
 2 15 2 1079

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.5.co
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 0.0800 0.1500 0.1600 0.1505 0.1650 0.1800 1079

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.5.da
 14 20 26 NA's
 2 15 2 1079

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.5.is
 no NA's
 19 1079

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.5.mo
 1 3 6 12 NA's
 1 2 1 15 1079

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.5.pl
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 3.000 7.000 8.000 7.895 9.000 12.000 1079

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.5.pl
 a10q a128 a275 a314 NA's
 15 1 2 1 1079

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.5.qu
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 1.010 2.210 4.010 3.302 4.270 4.540 1079

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.5.so
 23 NA's
 19 1079

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.5.vo
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 6.70 16.50 26.70 22.46 26.70 40.00 1079

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.5.ye
 2010 2011 2013 NA's
 15 1 3 1079

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.6.bo
 tcga-a7-a0ce-11a-21d-a121-09 tcga-a7-a26j-10a-01d-a46w-08
 1 1
 tcga-bh-a0b3-11b-21d-a128-09 NA's
 1 1095

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.6.bo
 4c51f446-5d3a-4af1-b10e-c9b2e1d086aa ce23b4fb-a727-4ccb-b4d7-c2e8407abd7e
 1 1
 efcab56b-6f30-4443-801d-4bb8e30ccad5 NA's

1

1095

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.6.bi

105041459 108431795 145674288 NA's

1 1 1 1095

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.6.ce

8 9 NA's

1 2 1095

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.6.co

0.08 0.09 NA's

2 1 1095

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.6.da

3 15 26 NA's

1 1 1 1095

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.6.is

no NA's

3 1095

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.6.mo

1 2 8 NA's

1 1 1 1095

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.6.pl

1 8 12 NA's

1 1 1 1095

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.6.pl

a128 a121 a46w NA's

1 1 1 1095

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.6.pl

a b NA's

1 2 1095

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.6.qu

1.8 3.2 NA's

1 2 1095

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.6.so

23 NA's

3 1095

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.6.vo

20 40 NA's

1 2 1095

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.6.ye

2011 2015 NA's

2 1 1095

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.7.bo
tcga-a7-a0ce-11a-21d-a148-05 NA's
1 1097

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.7.bo
805f2c82-49d5-4994-a2a5-98dd1b832f0b NA's
1 1097

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.7.bi
99027795 NA's
1 1097

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.7.ce
5 NA's
1 1097

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.7.co
0.17 NA's
1 1097

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.7.da
13 NA's
1 1097

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.7.is
no NA's
1 1097

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.7.mo
4 NA's
1 1097

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.7.pl
3 NA's
1 1097

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.7.pl
a148 NA's
1 1097

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.7.pl
b NA's
1 1097

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.7.qu
11.34 NA's
1 1097

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.7.so
23 NA's

1 1097

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.7.vo
66.7 NA's

1 1097

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.7.ye
2011 NA's

1 1097

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.bcr_
germline comparison

NA's
1 1097

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.bios

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
99014649	99768949	100488585	107967364	108475078	174191241	1003

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.cent

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1.000	2.000	2.000	2.695	3.500	13.000	1003

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.conc

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0.0800	0.1500	0.1600	0.1571	0.1700	0.1800	1003

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.day_

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
4.00	10.00	22.00	19.88	29.00	31.00	1003

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.is_d

no NA's
95 1003

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.mont

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1.0	2.0	4.0	4.6	7.5	10.0	1003

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.plat

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1.00	3.00	7.00	6.41	8.00	12.00	1003

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.quant

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0.870	1.755	2.080	2.381	2.770	4.810	1003

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.sour

23 NA's

95 1003

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.volum

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
6.67	13.00	13.00	15.21	16.50	40.00	1003

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.year

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
2010	2010	2011	2011	2011	2014	1003

patient.samples.sample.3.portions.portion.analytes.analyte.amount:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
5.25	11.74	18.97	27.35	32.34	210.45	1003

patient.samples.sample.3.portions.portion.analytes.analyte.analyte_type:

dna	rna	NA's
94	1	1003

patient.samples.sample.3.portions.portion.analytes.analyte.analyte_type_id:

d	r	NA's
94	1	1003

patient.samples.sample.3.portions.portion.analytes.analyte.concentration:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0.1300	0.1500	0.1600	0.1586	0.1700	0.1800	1003

patient.samples.sample.3.portions.portion.analytes.analyte.dna.normal_tumor_gene

yes	NA's
94	1004

patient.samples.sample.3.portions.portion.analytes.analyte.dna.pcr_amplification

yes	NA's
94	1004

patient.samples.sample.3.portions.portion.analytes.analyte.gel_image_file:

https://sharedoc.nchri.org/tcga-bcr/default.aspx	95	NA's	1003
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patient.samples.sample.3.portions.portion.analytes.analyte.is_derived_from_ffpe:

no	NA's
95	1003

patient.samples.sample.3.portions.portion.analytes.analyte.protocols.protocol.ex

adna preparation type	mirvana (allprep dna) rna
87	1
pre-extracted dna received by tss	NA's
5	1005

patient.samples.sample.3.portions.portion.analytes.analyte.rna.ratio_28s_18s:
 1.3 NA's
 1 1097

patient.samples.sample.3.portions.portion.analytes.analyte.rna.rinvalue:
 8.2 NA's
 1 1097

patient.samples.sample.3.portions.portion.analytes.analyte.spectrophotometer_met
 picogreen uv spec NA's
 14 81 1003

patient.samples.sample.3.portions.portion.analytes.analyte.subportion_sequence:
 1 2 3 4 NA's
 20 26 25 4 1023

patient.samples.sample.3.portions.portion.day_of_creation:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 2.00 10.00 17.00 16.42 23.50 30.00 1003

patient.samples.sample.3.portions.portion.is_ffpe:
 no NA's
 95 1003

patient.samples.sample.3.portions.portion.month_of_creation:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 1.000 3.000 5.000 5.779 8.000 12.000 1003

patient.samples.sample.3.portions.portion.portion_number:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 1.0 12.0 22.0 24.6 33.0 73.0 1003

patient.samples.sample.3.portions.portion.portion_sequence:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 1.000 1.000 2.000 2.554 3.000 7.000 1006

patient.samples.sample.3.portions.portion.slides.slide.2.is_derived_from_ffpe:
 no NA's
 59 1039

patient.samples.sample.3.portions.portion.slides.slide.2.percent_lymphocyte_infi
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 0.000 0.000 1.000 2.035 2.000 20.000 1041

patient.samples.sample.3.portions.portion.slides.slide.2.percent_monocyte_infilt
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 0.0000 0.0000 0.0000 0.3333 0.0000 5.0000 1041

```

patient.samples.sample.3.portions.portion.slides.slide.2.percent_necrosis:
  0 NA's
  42 1056

patient.samples.sample.3.portions.portion.slides.slide.2.percent_neutrophil_infi
  0   1   5 NA's
  55   1   1 1041

patient.samples.sample.3.portions.portion.slides.slide.2.percent_normal_cells:
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.    NA's
  0.00  11.00  100.00   67.78 100.00  100.00   1039

patient.samples.sample.3.portions.portion.slides.slide.2.percent_stromal_cells:
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.    NA's
  0.00   0.00   5.00   44.31  96.50  100.00   1056

patient.samples.sample.3.portions.portion.slides.slide.2.percent_tumor_cells:
  0 100 NA's
  58  1 1039

patient.samples.sample.3.portions.portion.slides.slide.2.percent_tumor_nuclei:
  0 NA's
  42 1056

patient.samples.sample.3.portions.portion.slides.slide.2.section_location:
bottom    top    NA's
   2      57   1039

patient.samples.sample.3.portions.portion.slides.slide.3.is_derived_from_ffpe:
no NA's
  32 1066

patient.samples.sample.3.portions.portion.slides.slide.3.percent_lymphocyte_infi
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.    NA's
  0.0000 0.0000  0.0000  0.8333  1.7500  5.0000   1068

patient.samples.sample.3.portions.portion.slides.slide.3.percent_monocyte_infilt
  0   1   2 NA's
  24  4   2 1068

patient.samples.sample.3.portions.portion.slides.slide.3.percent_necrosis:
  0 NA's
  30 1068

patient.samples.sample.3.portions.portion.slides.slide.3.percent_neutrophil_infi
  0   1 NA's
  27  3 1068

```

```

patient.samples.sample.3.portions.portion.slides.slide.3.percent_normal_cells:
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.   NA's
  0.00   2.00   20.00   48.12 100.00  100.00  1066

patient.samples.sample.3.portions.portion.slides.slide.3.percent_stromal_cells:
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.   NA's
  0.00   0.00   82.50   55.33  98.00  100.00  1068

patient.samples.sample.3.portions.portion.slides.slide.3.percent_tumor_cells:
  0 NA's
 32 1066

patient.samples.sample.3.portions.portion.slides.slide.3.percent_tumor_nuclei:
  0 NA's
 30 1068

patient.samples.sample.3.portions.portion.slides.slide.3.section_location:
  top NA's
 32 1066

patient.samples.sample.3.portions.portion.slides.slide.4.is_derived_from_ffpe:
  no NA's
 17 1081

patient.samples.sample.3.portions.portion.slides.slide.4.percent_lymphocyte_infi
  0   1   2 NA's
  8   6   1 1083

patient.samples.sample.3.portions.portion.slides.slide.4.percent_monocyte_infilt
  0   1 NA's
 14   1 1083

patient.samples.sample.3.portions.portion.slides.slide.4.percent_necrosis:
  0 NA's
 15 1083

patient.samples.sample.3.portions.portion.slides.slide.4.percent_neutrophil_infi
  0 NA's
 15 1083

patient.samples.sample.3.portions.portion.slides.slide.4.percent_normal_cells:
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.   NA's
  0.00   3.00   15.00   49.47 100.00  100.00  1081

patient.samples.sample.3.portions.portion.slides.slide.4.percent_stromal_cells:
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.   NA's
  0.00   0.00   90.00   57.27  98.50  100.00  1083

patient.samples.sample.3.portions.portion.slides.slide.4.percent_tumor_cells:

```

```
0 NA's
17 1081

patient.samples.sample.3.portions.portion.slides.slide.4.percent_tumor_nuclei:
0 NA's
15 1083

patient.samples.sample.3.portions.portion.slides.slide.4.section_location:
bottom    top    NA's
      2     15   1081

patient.samples.sample.3.portions.portion.slides.slide.5.is_derived_from_ffpe:
no NA's
6 1092

patient.samples.sample.3.portions.portion.slides.slide.5.percent_lymphocyte_infi
0    1 NA's
2    3 1093

patient.samples.sample.3.portions.portion.slides.slide.5.percent_monocyte_infilt
0 NA's
5 1093

patient.samples.sample.3.portions.portion.slides.slide.5.percent_necrosis:
0 NA's
5 1093

patient.samples.sample.3.portions.portion.slides.slide.5.percent_neutrophil_infi
0 NA's
5 1093

patient.samples.sample.3.portions.portion.slides.slide.5.percent_normal_cells:
0 100 NA's
1   5 1092

patient.samples.sample.3.portions.portion.slides.slide.5.percent_stromal_cells:
0 100 NA's
4   1 1093

patient.samples.sample.3.portions.portion.slides.slide.5.percent_tumor_cells:
0 NA's
6 1092

patient.samples.sample.3.portions.portion.slides.slide.5.percent_tumor_nuclei:
0 NA's
5 1093

patient.samples.sample.3.portions.portion.slides.slide.5.section_location:
top NA's
```

6 1092

patient.samples.sample.3.portions.portion.slides.slide.6.bcr_slide_barcode:
 tcga-a7-a4se-11a-06-ts6 NA's
 1 1097

patient.samples.sample.3.portions.portion.slides.slide.6.bcr_slide_uuid:
 eb9f7edd-e1b2-482e-b411-1ceea71502b3 NA's
 1 1097

patient.samples.sample.3.portions.portion.slides.slide.6.image_file_name:
 tcga-a7-a4se-11a-06-ts6.eb9f7edd-e1b2-482e-b411-1ceea71502b3.svs
 1
 NA's
 1097

patient.samples.sample.3.portions.portion.slides.slide.6.is_derived_from_ffpe:
 no NA's
 1 1097

patient.samples.sample.3.portions.portion.slides.slide.6.percent_lymphocyte_infi
 0 NA's
 1 1097

patient.samples.sample.3.portions.portion.slides.slide.6.percent_monocyte_infilt
 0 NA's
 1 1097

patient.samples.sample.3.portions.portion.slides.slide.6.percent_necrosis:
 0 NA's
 1 1097

patient.samples.sample.3.portions.portion.slides.slide.6.percent_neutrophil_infi
 0 NA's
 1 1097

patient.samples.sample.3.portions.portion.slides.slide.6.percent_normal_cells:
 0 NA's
 1 1097

patient.samples.sample.3.portions.portion.slides.slide.6.percent_stromal_cells:
 100 NA's
 1 1097

patient.samples.sample.3.portions.portion.slides.slide.6.percent_tumor_cells:
 0 NA's
 1 1097

patient.samples.sample.3.portions.portion.slides.slide.6.percent_tumor_nuclei:
 0 NA's
 1 1097

patient.samples.sample.3.portions.portion.slides.slide.6.section_location:
 top NA's
 1 1097

patient.samples.sample.3.portions.portion.slides.slide.is_derived_from_ffpe:
 no NA's
 75 1023

patient.samples.sample.3.portions.portion.slides.slide.percent_lymphocyte_infiltration:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 0.000 0.000 1.000 3.217 1.000 70.000 1029

patient.samples.sample.3.portions.portion.slides.slide.percent_monocyte_infiltration:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 0.0000 0.0000 0.0000 0.3913 0.0000 10.0000 1029

patient.samples.sample.3.portions.portion.slides.slide.percent_necrosis:
 0 NA's
 51 1047

patient.samples.sample.3.portions.portion.slides.slide.percent_neutrophil_infiltration:
 0 1 10 NA's
 66 2 1 1029

patient.samples.sample.3.portions.portion.slides.slide.percent_normal_cells:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 0.00 5.25 100.00 60.07 100.00 100.00 1028

patient.samples.sample.3.portions.portion.slides.slide.percent_stromal_cells:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 0.0 0.0 75.0 50.9 99.5 100.0 1047

patient.samples.sample.3.portions.portion.slides.slide.percent_tumor_cells:
 0 100 NA's
 70 1 1027

patient.samples.sample.3.portions.portion.slides.slide.percent_tumor_nuclei:
 0 NA's
 51 1047

patient.samples.sample.3.portions.portion.slides.slide.section_location:
 bottom top NA's
 18 57 1023

patient.samples.sample.3.portions.portion.weight:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 1.5 20.0 80.0 119.2 230.0 300.0 1011

patient.samples.sample.3.portions.portion.year_of_creation:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
2010	2010	2011	2011	2011	2014	1003

patient.samples.sample.3.portions.shipment_portion.center_id:
 20 NA's
 28 1070

patient.samples.sample.3.portions.shipment_portion.is_ffpe:
 no NA's
 28 1070

patient.samples.sample.3.portions.shipment_portion.plate_id:
 a43o NA's
 28 1070

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
21.00	41.00	51.00	46.36	51.00	81.00	1070

patient.samples.sample.3.portions.shipment_portion.portion_number:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
2.000	4.000	5.000	4.536	5.000	8.000	1070

patient.samples.sample.3.portions.shipment_portion.portion_sequence:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
2.000	4.000	5.000	4.536	5.000	8.000	1070

patient.samples.sample.3.portions.shipment_portion.shipment_portion_day_of_shipment:
 24 NA's
 28 1070

patient.samples.sample.3.portions.shipment_portion.shipment_portion_month_of_shipment:
 6 NA's
 28 1070

patient.samples.sample.3.portions.shipment_portion.shipment_portion_year_of_shipment:
 2014 NA's
 28 1070

blood derived	normal	solid tissue	normal	NA's
20		75		1003

patient.samples.sample.3.sample_type:

10	11	NA's
20	75	1003

patient.samples.sample.3.sample_type_id:

a	b	NA's
91	4	1003

patient.samples.sample.4.bcr_sample_barcode:
 tcga-a7-a0db-11a tcga-a7-a0dc-11a tcga-a7-a13e-11a tcga-e2-a15k-11a
 1 1 1 1

NA's
1094

patient.samples.sample.4.bcr_sample_uuid:
1eb11f10-2aca-4ca1-b6fc-bbc97cc485fd 238e4064-4aac-4c75-a506-b19bc7f3fc3c
1 1
5bfd69f5-406a-4b28-b4f4-a6655e03e4db e2566ada-c2bf-4c25-bcd0-9f49f2d0b4a2
1 1
NA's
1094

patient.samples.sample.4.days_to_collection:
167 220 238 309 NA's
1 1 1 1 1094

patient.samples.sample.4.initial_weight:
120 400 470 770 NA's
1 1 1 1 1094

patient.samples.sample.4.is_ffpe:
no NA's
4 1094

patient.samples.sample.4.oct_embedded:
false NA's
4 1094

patient.samples.sample.4.portions.portion.analytes.analyte.2.a260_a280_ratio:
1.77 1.82 1.86 1.89 NA's
1 1 1 1 1094

patient.samples.sample.4.portions.portion.analytes.analyte.2.aliquots.aliquot.2.
tcga-a7-a0db-11a-33r-a090-13 tcga-a7-a0dc-11a-41r-a090-13
1 1
tcga-a7-a13e-11a-61r-a12p-07 tcga-e2-a15k-11a-13r-a12p-07
1 1
NA's
1094

patient.samples.sample.4.portions.portion.analytes.analyte.2.aliquots.aliquot.2.
01d11e4c-038d-4408-93dd-f714b6489866 49a33b4d-4b1e-4b30-b0ba-a7c7d594db41
1 1
80efdbaa-067b-4018-89b2-b8869bfb9163 9458ec78-c1cd-45a2-b718-955ad1237cac
1 1
NA's
1094

patient.samples.sample.4.portions.portion.analytes.analyte.2.aliquots.aliquot.2.
94929380 99027340 100471204 108432005 NA's
1 1 1 1 1094

patient.samples.sample.4.portions.portion.analytes.analyte.2.aliquots.aliquot.2.

```

7 13 NA's
2 2 1094

patient.samples.sample.4.portions.portion.analytes.analyte.2.aliquots.aliquot.2.
0.13 0.15 0.16 0.17 NA's
1 1 1 1 1094

patient.samples.sample.4.portions.portion.analytes.analyte.2.aliquots.aliquot.2.
22 29 NA's
2 2 1094

patient.samples.sample.4.portions.portion.analytes.analyte.2.aliquots.aliquot.2.
no NA's
4 1094

patient.samples.sample.4.portions.portion.analytes.analyte.2.aliquots.aliquot.2.
2 9 NA's
2 2 1094

patient.samples.sample.4.portions.portion.analytes.analyte.2.aliquots.aliquot.2.
2 6 8 NA's
2 1 1 1094

patient.samples.sample.4.portions.portion.analytes.analyte.2.aliquots.aliquot.2.
a090 a12p NA's
2 2 1094

patient.samples.sample.4.portions.portion.analytes.analyte.2.aliquots.aliquot.2.
a b c NA's
1 2 1 1094

patient.samples.sample.4.portions.portion.analytes.analyte.2.aliquots.aliquot.2.
3 3.2 3.47 4.54 NA's
1 1 1 1 1094

patient.samples.sample.4.portions.portion.analytes.analyte.2.aliquots.aliquot.2.
23 NA's
4 1094

patient.samples.sample.4.portions.portion.analytes.analyte.2.aliquots.aliquot.2.
20 26.7 NA's
2 2 1094

patient.samples.sample.4.portions.portion.analytes.analyte.2.aliquots.aliquot.2.
2010 2011 NA's
2 2 1094

patient.samples.sample.4.portions.portion.analytes.analyte.2.aliquots.aliquot.2.
tcga-a7-a0db-11a-33r-a089-07 tcga-a7-a0dc-11a-41r-a089-07
1 1
tcga-a7-a13e-11a-61r-a12o-13 tcga-e2-a15k-11a-13r-a12o-13
1 1

```

NA's
1094

patient.samples.sample.4.portions.portion.analytes.analyte.2.aliquots.aliquot.bo
3f3bdfbb-3490-42e4-9511-9df4b8a126a3 bec26d26-258e-4ba0-9956-5402096e580b
1 1
cb3f974e-6bce-4757-a350-aef8e7925086 cd560004-50be-4056-be0b-3510c7029491
1 1

NA's
1094

patient.samples.sample.4.portions.portion.analytes.analyte.2.aliquots.aliquot.bi
99036533 100489402 100491458 108431381 NA's
1 1 1 1 1094

patient.samples.sample.4.portions.portion.analytes.analyte.2.aliquots.aliquot.ce
7 13 NA's
2 2 1094

patient.samples.sample.4.portions.portion.analytes.analyte.2.aliquots.aliquot.co
0.13 0.15 0.16 0.17 NA's
1 1 1 1 1094

patient.samples.sample.4.portions.portion.analytes.analyte.2.aliquots.aliquot.da
22 29 NA's
2 2 1094

patient.samples.sample.4.portions.portion.analytes.analyte.2.aliquots.aliquot.is
no NA's
4 1094

patient.samples.sample.4.portions.portion.analytes.analyte.2.aliquots.aliquot.mo
2 9 NA's
2 2 1094

patient.samples.sample.4.portions.portion.analytes.analyte.2.aliquots.aliquot.pl
2 6 8 NA's
2 1 1 1094

patient.samples.sample.4.portions.portion.analytes.analyte.2.aliquots.aliquot.pl
a089 a12o NA's
2 2 1094

patient.samples.sample.4.portions.portion.analytes.analyte.2.aliquots.aliquot.pl
a b c NA's
1 2 1 1094

patient.samples.sample.4.portions.portion.analytes.analyte.2.aliquots.aliquot.qu
2.6 3.4 4.01 4.27 NA's
1 1 1 1 1094

patient.samples.sample.4.portions.portion.analytes.analyte.2.aliquots.aliquot.so

```

23 NA's
  4 1094

patient.samples.sample.4.portions.portion.analytes.analyte.2.aliquots.aliquot.vo
  20 26.7 NA's
    2   2 1094

patient.samples.sample.4.portions.portion.analytes.analyte.2.aliquots.aliquot.ye
2010 2011 NA's
    2   2 1094

patient.samples.sample.4.portions.portion.analytes.analyte.2.amount:
  7.04 13.1 17.74 22.8 NA's
    1   1   1   1 1094

patient.samples.sample.4.portions.portion.analytes.analyte.2.analyte_type:
  rna NA's
    4 1094

patient.samples.sample.4.portions.portion.analytes.analyte.2.analyte_type_id:
  r NA's
    4 1094

patient.samples.sample.4.portions.portion.analytes.analyte.2.bcr_analyte_barcode
tcga-a7-a0db-11a-33r tcga-a7-a0dc-11a-41r tcga-a7-a13e-11a-61r
                        1                        1                        1
tcga-e2-a15k-11a-13r                        NA's
                        1                        1094

patient.samples.sample.4.portions.portion.analytes.analyte.2.bcr_analyte_uuid:
136955c1-9e77-4f4d-b1be-22ba9c238069 a669a954-3d19-428a-b11a-617dcc00137a
                                         1                                         1
d748b6f4-b13c-427e-a330-f341a5151c7c f58413d7-88d1-44d4-9076-f4bec4ba8f28
                                         1                                         1
                                         NA's
                                         1094

patient.samples.sample.4.portions.portion.analytes.analyte.2.concentration:
  0.13 0.15 0.16 0.17 NA's
    1   1   1   1 1094

patient.samples.sample.4.portions.portion.analytes.analyte.2.gel_image_file:
https://sharedoc.nchri.org/tcga-bcr/default.aspx
                                         4
                                         NA's
                                         1094

patient.samples.sample.4.portions.portion.analytes.analyte.2.is_derived_from_ffp
  no NA's
    4 1094

patient.samples.sample.4.portions.portion.analytes.analyte.2.protocols.protocol.

```

```

mirvana (allprep dna) rna NA's
                        4      1094

patient.samples.sample.4.portions.portion.analytes.analyte.2.rna.ratio_28s_18s:
  1.5  1.6 NA's
    2    2 1094

patient.samples.sample.4.portions.portion.analytes.analyte.2.rna.rinvalue:
  7.1  7.2  7.9 NA's
    1    1    2 1094

patient.samples.sample.4.portions.portion.analytes.analyte.2.spectrophotometer_m
uv spec      NA's
    4      1094

patient.samples.sample.4.portions.portion.analytes.analyte.2.subportion_sequence
  1    3 NA's
  2    2 1094

patient.samples.sample.4.portions.portion.analytes.analyte.3.aliquots.aliquot.bo
tcga-a7-a0db-11a-33w-a100-09 tcga-a7-a0dc-11a-41w-a100-09
                        1                        1
tcga-a7-a13e-11a-61w-a14o-09 tcga-e2-a15k-11a-13w-a14o-09
                        1                        1
                        NA's
                        1094

patient.samples.sample.4.portions.portion.analytes.analyte.3.aliquots.aliquot.bo
lac6ee06-5e18-4757-bb55-94b8303af335 adc233b1-6236-4994-8fdd-f6e25087877d
                        1                        1
edde29ab-1a7a-4be0-870c-e4256460754e fa389599-4fc1-494a-a28c-004725235ac8
                        1                        1
                        NA's
                        1094

patient.samples.sample.4.portions.portion.analytes.analyte.3.aliquots.aliquot.bi
99026267 99027163 100476718 100476755      NA's
    1      1      1      1      1094

patient.samples.sample.4.portions.portion.analytes.analyte.3.aliquots.aliquot.ce
  9 NA's
  4 1094

patient.samples.sample.4.portions.portion.analytes.analyte.3.aliquots.aliquot.co
  0.5 NA's
    4 1094

patient.samples.sample.4.portions.portion.analytes.analyte.3.aliquots.aliquot.da
  3   12 NA's
  2    2 1094

patient.samples.sample.4.portions.portion.analytes.analyte.3.aliquots.aliquot.is

```

```

no NA's
4 1094

patient.samples.sample.4.portions.portion.analytes.analyte.3.aliquots.aliquot.mo
5 10 NA's
2 2 1094

patient.samples.sample.4.portions.portion.analytes.analyte.3.aliquots.aliquot.pl
9 10 12 NA's
1 1 2 1094

patient.samples.sample.4.portions.portion.analytes.analyte.3.aliquots.aliquot.pl
a100 a14o NA's
2 2 1094

patient.samples.sample.4.portions.portion.analytes.analyte.3.aliquots.aliquot.pl
a c e NA's
2 1 1 1094

patient.samples.sample.4.portions.portion.analytes.analyte.3.aliquots.aliquot.qu
6.5 40 NA's
2 2 1094

patient.samples.sample.4.portions.portion.analytes.analyte.3.aliquots.aliquot.so
23 NA's
4 1094

patient.samples.sample.4.portions.portion.analytes.analyte.3.aliquots.aliquot.vo
13 80 NA's
2 2 1094

patient.samples.sample.4.portions.portion.analytes.analyte.3.aliquots.aliquot.ye
2010 2011 NA's
2 2 1094

patient.samples.sample.4.portions.portion.analytes.analyte.3.analyte_type:
repli-g (qiagen) dna NA's
4 1094

patient.samples.sample.4.portions.portion.analytes.analyte.3.analyte_type_id:
w NA's
4 1094

patient.samples.sample.4.portions.portion.analytes.analyte.3.bcr_analyte_barcode
tcga-a7-a0db-11a-33w tcga-a7-a0dc-11a-41w tcga-a7-a13e-11a-61w
1 1 1
tcga-e2-a15k-11a-13w NA's
1 1094

patient.samples.sample.4.portions.portion.analytes.analyte.3.bcr_analyte_uuid:
0c696c3d-023b-4980-9b9c-74a3d5f4fb77 0fba8413-539b-4e55-b663-1acd3d8bab3b
1 1

```


160c89c6-b3c1-4ac6-98f9-10506c8d0260 ab4287c8-57ac-48b0-b3ad-d83073e91e40
 1 1
 NA's
 1094

patient.samples.sample.4.portions.portion.analytes.analyte.3.dna.normal_tumor_ge
 yes NA's
 4 1094

patient.samples.sample.4.portions.portion.analytes.analyte.3.dna.pcr_amplificati
 yes NA's
 4 1094

patient.samples.sample.4.portions.portion.analytes.analyte.3.gel_image_file:
<https://sharedoc.nchri.org/tcga-bcr/default.aspx>
 4
 NA's
 1094

patient.samples.sample.4.portions.portion.analytes.analyte.3.is_derived_from_ffp
 no NA's
 4 1094

patient.samples.sample.4.portions.portion.analytes.analyte.3.protocols.protocol.
 repli-g NA's
 4 1094

patient.samples.sample.4.portions.portion.analytes.analyte.3.subportion_sequence
 1 3 NA's
 2 2 1094

patient.samples.sample.4.portions.portion.analytes.analyte.4.aliquots.aliquot.bo
 tcga-a7-a0db-11a-33x-a100-09 tcga-a7-a0dc-11a-41x-a100-09
 1 1
 NA's
 1096

patient.samples.sample.4.portions.portion.analytes.analyte.4.aliquots.aliquot.bo
 eda887db-1059-44d3-a550-ed4f37c8c2c2 f44e6b5d-ecef-4424-b160-45c5f0d76939
 1 1
 NA's
 1096

patient.samples.sample.4.portions.portion.analytes.analyte.4.aliquots.aliquot.bi
 99027132 99066293 NA's
 1 1 1096

patient.samples.sample.4.portions.portion.analytes.analyte.4.aliquots.aliquot.ce
 9 NA's
 2 1096

patient.samples.sample.4.portions.portion.analytes.analyte.4.aliquots.aliquot.co

```

0.5 NA's
  2 1096

patient.samples.sample.4.portions.portion.analytes.analyte.4.aliquots.aliquot.da
  12 NA's
  2 1096

patient.samples.sample.4.portions.portion.analytes.analyte.4.aliquots.aliquot.is
  no NA's
  2 1096

patient.samples.sample.4.portions.portion.analytes.analyte.4.aliquots.aliquot.mo
  10 NA's
  2 1096

patient.samples.sample.4.portions.portion.analytes.analyte.4.aliquots.aliquot.pl
  9   10 NA's
  1   1 1096

patient.samples.sample.4.portions.portion.analytes.analyte.4.aliquots.aliquot.pl
a100 NA's
  2 1096

patient.samples.sample.4.portions.portion.analytes.analyte.4.aliquots.aliquot.pl
  c NA's
  2 1096

patient.samples.sample.4.portions.portion.analytes.analyte.4.aliquots.aliquot.qu
  6.5 NA's
  2 1096

patient.samples.sample.4.portions.portion.analytes.analyte.4.aliquots.aliquot.so
  23 NA's
  2 1096

patient.samples.sample.4.portions.portion.analytes.analyte.4.aliquots.aliquot.vo
  13 NA's
  2 1096

patient.samples.sample.4.portions.portion.analytes.analyte.4.aliquots.aliquot.ye
2010 NA's
  2 1096

patient.samples.sample.4.portions.portion.analytes.analyte.4.analyte_type:
repli-g x (qiagen) dna          NA's
                        2          1096

patient.samples.sample.4.portions.portion.analytes.analyte.4.analyte_type_id:
  x NA's
  2 1096

patient.samples.sample.4.portions.portion.analytes.analyte.4.bcr_analyte_barcode

```

```

tcga-a7-a0db-11a-33x tcga-a7-a0dc-11a-41x          NA's
                1                1                1096

patient.samples.sample.4.portions.portion.analytes.analyte.4.bcr_analyte_uuid:
61c94a42-e5ac-4c39-8d40-fa252ee25565 c2b8dd40-0004-43cb-8328-34acee48e72c
                1                1
                NA's
                1096

patient.samples.sample.4.portions.portion.analytes.analyte.4.dna.normal_tumor_ge
yes NA's
2 1096

patient.samples.sample.4.portions.portion.analytes.analyte.4.dna.pcr_amplificati
yes NA's
2 1096

patient.samples.sample.4.portions.portion.analytes.analyte.4.gel_image_file:
https://sharedoc.nchri.org/tcga-bcr/default.aspx
                2
                NA's
                1096

patient.samples.sample.4.portions.portion.analytes.analyte.4.is_derived_from_ffp
no NA's
2 1096

patient.samples.sample.4.portions.portion.analytes.analyte.4.protocols.protocol.
repli-g x      NA's
                2      1096

patient.samples.sample.4.portions.portion.analytes.analyte.4.subportion_sequence
1      3 NA's
1      1 1096

patient.samples.sample.4.portions.portion.analytes.analyte.a260_a280_ratio:
1.91 1.93 1.98 2.05 NA's
1      1      1      1 1094

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.2.bo
tcga-a7-a0db-11a-33d-a092-01 tcga-a7-a0dc-11a-41d-a092-01
                1                1
tcga-a7-a13e-11a-61d-a12n-01 tcga-e2-a15k-11a-13d-a12n-01
                1                1
                NA's
                1094

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.2.bo
23ec1c8f-3d33-4e04-94df-271a9efe8a63 3480e631-b2bc-479a-9701-8da2ce30bd96
                1                1
b6e2f21b-1b95-4bff-a3aa-3883562c958a fd203984-44aa-49e0-ae0c-11643697d937
                1                1

```

NA's
1094

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.2.bi
99029336 100489889 108431268 108431292 NA's
1 1 1 1 1094

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.2.ce
1 NA's
4 1094

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.2.co
0.15 0.16 NA's
2 2 1094

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.2.da
22 29 NA's
2 2 1094

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.2.is
no NA's
4 1094

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.2.mo
2 9 NA's
2 2 1094

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.2.pl
2 12 NA's
2 2 1094

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.2.pl
a092 a12n NA's
2 2 1094

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.2.pl
a b c e NA's
1 1 1 1 1094

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.2.qu
1 1.07 NA's
2 2 1094

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.2.so
23 NA's
4 1094

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.2.vo
6.67 NA's
4 1094

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.2.ye

2010 2011 NA's
 2 2 1094

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.3.bo
 tcga-a7-a0db-11a-33d-a093-05 tcga-a7-a0dc-11a-41d-a093-05
 1 1
 tcga-a7-a13e-11a-61d-a12q-09 tcga-e2-a15k-11a-13d-a12q-09
 1 1
 NA's
 1094

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.3.bo
 248bb641-7eef-46f5-ae81-5e9e626ecc9 26163687-7ede-43be-aeb7-21ad33133d45
 1 1
 7b565538-7488-4654-9034-8a0e6fe65bf1 cc1f28ba-f095-4859-b8c6-920fb9f50d65
 1 1
 NA's
 1094

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.3.bi
 100471568 100472100 108431844 108431868 NA's
 1 1 1 1 1094

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.3.ce
 5 9 NA's
 2 2 1094

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.3.co
 0.08 0.15 NA's
 2 2 1094

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.3.da
 22 29 NA's
 2 2 1094

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.3.is
 no NA's
 4 1094

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.3.mo
 2 9 NA's
 2 2 1094

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.3.pl
 2 12 NA's
 2 2 1094

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.3.pl
 a093 a12q NA's
 2 2 1094

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.3.pl

```

a      b      c      e NA's
1      1      1      1 1094

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.3.qu
3.2 4.01 NA's
2      2 1094

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.3.so
23 NA's
4 1094

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.3.vo
26.7 40 NA's
2      2 1094

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.3.ye
2010 2011 NA's
2      2 1094

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.4.bo
tcga-a7-a0db-11a-33d-a100-09 tcga-a7-a0dc-11a-41d-a100-09
1 1
tcga-a7-a13e-11a-61d-a12r-05 tcga-e2-a15k-11a-13d-a12r-05
1 1
NA's
1094

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.4.bo
1362clad-7658-49a2-b553-3ea94e1752cf 2e82d800-d0b7-4c0c-9271-9ac0852b6daa
1 1
a9b112b9-e18b-4f7e-8bf4-132e41a7c568 f7315045-b78d-49b0-87a5-36e24fea92b5
1 1
NA's
1094

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.4.bi
99051415 100470380 108431652 108431676 NA's
1 1 1 1 1094

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.4.ce
5 9 NA's
2 2 1094

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.4.co
0.08 0.16 NA's
2 2 1094

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.4.da
12 22 NA's
2 2 1094

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.4.is

```

```

no NA's
4 1094

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.4.mo
2 10 NA's
2 2 1094

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.4.pl
9 10 12 NA's
1 1 2 1094

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.4.pl
a100 a12r NA's
2 2 1094

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.4.pl
c e NA's
1 3 1094

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.4.qu
2.08 4.27 NA's
2 2 1094

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.4.so
23 NA's
4 1094

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.4.vo
26 26.7 NA's
2 2 1094

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.4.ye
2010 2011 NA's
2 2 1094

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.5.bo
tcga-a7-a0dc-11a-41d-a10q-05 tcga-e2-a15k-11a-13d-a314-09
1 1
NA's
1096

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.5.bo
36da685d-df49-495c-9200-28d5ee683604 b03d0f6b-8fa6-441b-aed6-9223d1975c7a
1 1
NA's
1096

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.5.bi
100476656 153879470 NA's
1 1 1096

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.5.ce

```

```

5      9 NA's
1      1 1096

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.5.co
0.08 0.15 NA's
1      1 1096

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.5.da
20     26 NA's
1      1 1096

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.5.is
no NA's
2 1096

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.5.mo
6      12 NA's
1      1 1096

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.5.pl
3       7 NA's
1      1 1096

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.5.pl
a10q a314 NA's
1      1 1096

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.5.pl
e      f NA's
1      1 1096

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.5.qu
0.96 4.01 NA's
1      1 1096

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.5.so
23 NA's
2 1096

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.5.vo
12 26.7 NA's
1      1 1096

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.5.ye
2010 2013 NA's
1      1 1096

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.bcr_
tcga-a7-a0db-11a-33d-a091-02 tcga-a7-a0dc-11a-41d-a091-02
1 1
tcga-a7-a13e-11a-61d-a12m-02 tcga-e2-a15k-11a-13d-a12m-02
1 1

```


NA's
1094

patient.samples.sample.4.portions.portion.analytes.analyte.aliqots.aliquot.bcr_3a1cef18-0116-4cd1-9a20-646cdc9d3022 5bc539a0-e055-4d80-a6d0-b200d4489cbe
1 1
79bc27fa-f40b-411a-bdc2-29e3a24110ea 832d7423-b532-43d0-87cb-2b9f396ed4f7
1 1

NA's
1094

patient.samples.sample.4.portions.portion.analytes.analyte.aliqots.aliquot.bios_100471583 100489907 108431364 108431388 NA's
1 1 1 1 1094

patient.samples.sample.4.portions.portion.analytes.analyte.aliqots.aliquot.cent_2 NA's
4 1094

patient.samples.sample.4.portions.portion.analytes.analyte.aliqots.aliquot.conc_0.15 0.16 NA's
2 2 1094

patient.samples.sample.4.portions.portion.analytes.analyte.aliqots.aliquot.day_22 29 NA's
2 2 1094

patient.samples.sample.4.portions.portion.analytes.analyte.aliqots.aliquot.is_d_no NA's
4 1094

patient.samples.sample.4.portions.portion.analytes.analyte.aliqots.aliquot.mont_2 9 NA's
2 2 1094

patient.samples.sample.4.portions.portion.analytes.analyte.aliqots.aliquot.plat_2 12 NA's
2 2 1094

patient.samples.sample.4.portions.portion.analytes.analyte.aliqots.aliquot.plat_a091 a12m NA's
2 2 1094

patient.samples.sample.4.portions.portion.analytes.analyte.aliqots.aliquot.plat_a b c e NA's
1 1 1 1 1094

patient.samples.sample.4.portions.portion.analytes.analyte.aliqots.aliquot.quant_1.95 2.08 NA's
2 2 1094

patient.samples.sample.4.portions.portion.analytes.analyte.aliqots.aliquot.sour

```

23 NA's
4 1094

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.volum
13 NA's
4 1094

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.year
2010 2011 NA's
2 2 1094

patient.samples.sample.4.portions.portion.analytes.analyte.amount:
11.7 14.72 15.55 17.94 NA's
1 1 1 1 1094

patient.samples.sample.4.portions.portion.analytes.analyte.analyte_type:
dna NA's
4 1094

patient.samples.sample.4.portions.portion.analytes.analyte.analyte_type_id:
d NA's
4 1094

patient.samples.sample.4.portions.portion.analytes.analyte.bcr_analyte_barcode:
tcga-a7-a0db-11a-33d tcga-a7-a0dc-11a-41d tcga-a7-a13e-11a-61d
1 1 1
tcga-e2-a15k-11a-13d NA's
1 1094

patient.samples.sample.4.portions.portion.analytes.analyte.bcr_analyte_uuid:
159f3600-a388-4b9f-a5e9-324180ef2d70 387efbad-4b98-4ae5-85a5-4a312c3ef1ad
1 1
392ef4f5-1183-4c8b-b719-15d3868e039d 53061db7-1900-4f28-9af7-376790fe245c
1 1
NA's
1094

patient.samples.sample.4.portions.portion.analytes.analyte.concentration:
0.15 0.16 NA's
2 2 1094

patient.samples.sample.4.portions.portion.analytes.analyte.dna.normal_tumor_genom
yes NA's
4 1094

patient.samples.sample.4.portions.portion.analytes.analyte.dna.pcr_amplification
yes NA's
4 1094

patient.samples.sample.4.portions.portion.analytes.analyte.gel_image_file:
https://sharedoc.nchri.org/tcga-bcr/default.aspx

```

NA's
1094

patient.samples.sample.4.portions.portion.analytes.analyte.is_derived_from_ffpe:
no NA's
4 1094

patient.samples.sample.4.portions.portion.analytes.analyte.protocols.protocol.ex
adna preparation type NA's
4 1094

patient.samples.sample.4.portions.portion.analytes.analyte.spectrophotometer_met
uv spec NA's
4 1094

patient.samples.sample.4.portions.portion.analytes.analyte.subportion_sequence:
1 3 NA's
2 2 1094

patient.samples.sample.4.portions.portion.bcr_portion_barcode:
tcga-a7-a0db-11a-33 tcga-a7-a0dc-11a-41 tcga-a7-a13e-11a-61 tcga-e2-a15k-11a-13
1 1 1 1
NA's
1094

patient.samples.sample.4.portions.portion.bcr_portion_uuid:
14224bef-b6d3-4b9a-9c40-5673e6005459 201ed5d0-a472-4a76-99b6-04dc0b49e62e
1 1
52d3f394-ee72-43b0-baa2-feb465bbcc61 8c648887-8495-42d3-bd65-9336af19068e
1 1
NA's
1094

patient.samples.sample.4.portions.portion.day_of_creation:
11 13 27 NA's
1 1 2 1094

patient.samples.sample.4.portions.portion.is_ffpe:
no NA's
4 1094

patient.samples.sample.4.portions.portion.month_of_creation:
1 2 8 NA's
1 1 2 1094

patient.samples.sample.4.portions.portion.portion_number:
13 33 41 61 NA's
1 1 1 1 1094

patient.samples.sample.4.portions.portion.portion_sequence:
1 3 4 6 NA's
1 1 1 1 1094

patient.samples.sample.4.portions.portion.slides.slide.2.bcr_slide_barcode:
 tcga-a7-a0db-11a-03-ts3 NA's
 1 1097

patient.samples.sample.4.portions.portion.slides.slide.2.bcr_slide_uuid:
 0a4e3580-9711-488f-8a18-54f72c429035 NA's
 1 1097

patient.samples.sample.4.portions.portion.slides.slide.2.image_file_name:
 tcga-a7-a0db-11a-03-ts3.0a4e3580-9711-488f-8a18-54f72c429035.svs
 1
 NA's
 1097

patient.samples.sample.4.portions.portion.slides.slide.2.is_derived_from_ffpe:
 no NA's
 1 1097

patient.samples.sample.4.portions.portion.slides.slide.2.percent_lymphocyte_infi
 1 NA's
 1 1097

patient.samples.sample.4.portions.portion.slides.slide.2.percent_monocyte_infilt
 0 NA's
 1 1097

patient.samples.sample.4.portions.portion.slides.slide.2.percent_necrosis:
 0 NA's
 1 1097

patient.samples.sample.4.portions.portion.slides.slide.2.percent_neutrophil_infi
 0 NA's
 1 1097

patient.samples.sample.4.portions.portion.slides.slide.2.percent_normal_cells:
 0 NA's
 1 1097

patient.samples.sample.4.portions.portion.slides.slide.2.percent_stromal_cells:
 100 NA's
 1 1097

patient.samples.sample.4.portions.portion.slides.slide.2.percent_tumor_cells:
 0 NA's
 1 1097

patient.samples.sample.4.portions.portion.slides.slide.2.percent_tumor_nuclei:
 0 NA's
 1 1097

patient.samples.sample.4.portions.portion.slides.slide.2.section_location:

bottom NA's
1 1097

patient.samples.sample.4.portions.portion.slides.slide.bcr_slide_barcode:
tcga-a7-a0db-11a-02-bs2 tcga-a7-a0dc-11a-04-ts4 tcga-a7-a13e-11a-03-ts3
1 1 1
tcga-e2-a15k-11a-01-ts1 NA's
1 1094

patient.samples.sample.4.portions.portion.slides.slide.bcr_slide_uuid:
28656e31-f16f-431e-95d4-915892ecdff8 6041f153-cc5a-44d8-9e04-f082918268e6
1 1
8d8e5cca-5222-4dc8-8b42-df64bdc7652a 927ae45d-b4aa-4dec-8e30-88902119bbe5
1 1
NA's
1094

patient.samples.sample.4.portions.portion.slides.slide.image_file_name:
tcga-a7-a0db-11a-02-bs2.8d8e5cca-5222-4dc8-8b42-df64bdc7652a.svs
1
tcga-a7-a0dc-11a-04-ts4.6041f153-cc5a-44d8-9e04-f082918268e6.svs
1
tcga-a7-a13e-11a-03-ts3.927ae45d-b4aa-4dec-8e30-88902119bbe5.svs
1
tcga-e2-a15k-11a-01-ts1.28656e31-f16f-431e-95d4-915892ecdff8.svs
1
NA's
1094

patient.samples.sample.4.portions.portion.slides.slide.is_derived_from_ffpe:
no NA's
4 1094

patient.samples.sample.4.portions.portion.slides.slide.percent_lymphocyte_infiltration:
0 1 2 NA's
2 1 1 1094

patient.samples.sample.4.portions.portion.slides.slide.percent_monocyte_infiltration:
0 NA's
4 1094

patient.samples.sample.4.portions.portion.slides.slide.percent_necrosis:
0 NA's
3 1095

patient.samples.sample.4.portions.portion.slides.slide.percent_neutrophil_infiltration:
0 NA's
4 1094

patient.samples.sample.4.portions.portion.slides.slide.percent_normal_cells:
0 2 100 NA's
1 1 2 1094

patient.samples.sample.4.portions.portion.slides.slide.percent_stromal_cells:
 0 98 100 NA's
 1 1 1 1095

patient.samples.sample.4.portions.portion.slides.slide.percent_tumor_cells:
 0 NA's
 4 1094

patient.samples.sample.4.portions.portion.slides.slide.percent_tumor_nuclei:
 0 NA's
 3 1095

patient.samples.sample.4.portions.portion.slides.slide.section_location:
 top NA's
 4 1094

patient.samples.sample.4.portions.portion.weight:
 30 90 160 NA's
 2 1 1 1094

patient.samples.sample.4.portions.portion.year_of_creation:
 2010 2011 NA's
 2 2 1094

patient.samples.sample.4.portions.shipment_portion.bcr_shipment_portion_uuid:
 e408026e-6c07-4f2e-a609-29f21e997938 NA's
 1 1097

patient.samples.sample.4.portions.shipment_portion.center_id:
 20 NA's
 1 1097

patient.samples.sample.4.portions.shipment_portion.is_ffpe:
 no NA's
 1 1097

patient.samples.sample.4.portions.shipment_portion.plate_id:
 a43o NA's
 1 1097

patient.samples.sample.4.portions.shipment_portion.portion_number:
 71 NA's
 1 1097

patient.samples.sample.4.portions.shipment_portion.shipment_portion_bcr_aliquot_
 tcga-a7-a13e-11a-71-a43o-20 NA's
 1 1097

patient.samples.sample.4.portions.shipment_portion.shipment_portion_day_of_shipm
 24 NA's
 1 1097

patient.samples.sample.4.portions.shipment_portion.shipment_portion_month_of_shipment:
 6 NA's
 1 1097

patient.samples.sample.4.portions.shipment_portion.shipment_portion_year_of_shipment:
 2014 NA's
 1 1097

patient.samples.sample.4.sample_type:
 solid tissue normal NA's
 4 1094

patient.samples.sample.4.sample_type_id:
 11 NA's
 4 1094

patient.samples.sample.4.vial_number:
 a NA's
 4 1094

patient.samples.sample.days_to_collection:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
16	149	447	1064	1375	7858	3

patient.samples.sample.diagnostic_slides.ffpe_slide_uuid.3:
 5f9215c3-e407-46f8-968e-503d7d14605c 66566db7-661d-4002-90c1-b15bf3425903
 1 1
 bb83c7d4-f795-47e7-9a5c-7dbf0eb7fdaa e5d16dbf-cabd-4c96-a794-5f27bc305055
 1 1
 NA's
 1094

patient.samples.sample.diagnostic_slides.ffpe_slide_uuid.4:
 83b45d6c-e350-4436-812f-4155d9f7d331 NA's
 1 1097

patient.samples.sample.initial_weight:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
5.0	130.0	210.0	300.2	370.0	2190.0	2

patient.samples.sample.is_ffpe:
 no NA's
 1097 1

patient.samples.sample.oct_embedded:
 false true NA's
 416 681 1

patient.samples.sample.portions.portion.2.analytes.analyte.a260_a280_ratio:
 1.83 1.88 NA's
 1 1 1096

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.bcr_
 tcga-a8-a07j-01a-21r-a057-13 tcga-e9-a1nc-01a-21r-a26b-07
 1 1
 NA's
 1096

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.bcr_
 50f23d00-f6fd-4b3d-aed2-0705f7ae6a17 5c4f63ec-2d65-4baa-8bf2-13701fb69b10
 1 1
 NA's
 1096

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.bios
 100482213 132160691 NA's
 1 1 1096

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.cent
 7 13 NA's
 1 1 1096

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.conc
 0.15 0.17 NA's
 1 1 1096

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.day_
 11 30 NA's
 1 1 1096

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.is_d
 no NA's
 2 1096

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.mont
 1 8 NA's
 1 1 1096

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.plat
 1 7 NA's
 1 1 1096

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.plat
 a057 a26b NA's
 1 1 1096

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.plat


```

a      b NA's
1      1 1096

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.quant
2.21   3 NA's
1      1 1096

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.sourc
23 NA's
2 1096

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.volu
13    20 NA's
1      1 1096

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.year
2010 2013 NA's
1      1 1096

patient.samples.sample.portions.portion.2.analytes.analyte.amount:
13.52 22.1 NA's
1      1 1096

patient.samples.sample.portions.portion.2.analytes.analyte.analyte_type:
rna NA's
2 1096

patient.samples.sample.portions.portion.2.analytes.analyte.analyte_type_id:
r NA's
2 1096

patient.samples.sample.portions.portion.2.analytes.analyte.bcr_analyte_barcode:
tcga-a8-a07j-01a-21r tcga-e9-alnc-01a-21r          NA's
1                    1                    1096

patient.samples.sample.portions.portion.2.analytes.analyte.bcr_analyte_uuid:
17efdb82-247b-4ef7-a96d-3432829f350f 4706cb04-7501-4c10-9553-62805456de09
1                                         1
NA's
1096

patient.samples.sample.portions.portion.2.analytes.analyte.concentration:
0.15 0.17 NA's
1      1 1096

patient.samples.sample.portions.portion.2.analytes.analyte.gel_image_file:
https://sharedoc.nchri.org/tcga-bcr/default.aspx
2
NA's
1096

patient.samples.sample.portions.portion.2.analytes.analyte.is_derived_from_ffpe:

```

```

no NA's
2 1096

patient.samples.sample.portions.portion.2.analytes.analyte.protocols.protocol.ex
mirvana (allprep dna) rna NA's
2 1096

patient.samples.sample.portions.portion.2.analytes.analyte.rna.ratio_28s_18s:
1.48 1.8 NA's
1 1 1096

patient.samples.sample.portions.portion.2.analytes.analyte.rna.rinvalue:
8.2 8.6 NA's
1 1 1096

patient.samples.sample.portions.portion.2.analytes.analyte.spectrophotometer_met
uv spec NA's
2 1096

patient.samples.sample.portions.portion.2.analytes.analyte.subportion_sequence:
1 NA's
2 1096

patient.samples.sample.portions.portion.2.bcr_portion_barcode:
tcga-a8-a07j-01a-21 tcga-e9-a1nc-01a-21 NA's
1 1 1096

patient.samples.sample.portions.portion.2.bcr_portion_uuid:
67de0659-1154-4ca8-b6ce-dc8e93ecc798 74485df8-1c52-4535-b197-a6f22d35fe51
1 1
NA's
1096

patient.samples.sample.portions.portion.2.day_of_creation:
18 29 NA's
1 1 1096

patient.samples.sample.portions.portion.2.is_ffpe:
no NA's
2 1096

patient.samples.sample.portions.portion.2.month_of_creation:
4 7 NA's
1 1 1096

patient.samples.sample.portions.portion.2.portion_number:
21 NA's
2 1096

patient.samples.sample.portions.portion.2.portion_sequence:
2 NA's
2 1096

```

patient.samples.sample.portions.portion.2.slides.slide.2.bcr_slide_barcode:
tcga-a8-a07j-01a-02-bs2 NA's
1 1097

patient.samples.sample.portions.portion.2.slides.slide.2.bcr_slide_uuid:
5d44b586-7e36-46f9-bfc8-8f8afce34625 NA's
1 1097

patient.samples.sample.portions.portion.2.slides.slide.2.image_file_name:
tcga-a8-a07j-01a-02-bs2.5d44b586-7e36-46f9-bfc8-8f8afce34625.svs
1
NA's
1097

patient.samples.sample.portions.portion.2.slides.slide.2.is_derived_from_ffpe:
no NA's
1 1097

patient.samples.sample.portions.portion.2.slides.slide.2.percent_lymphocyte_infi
2 NA's
1 1097

patient.samples.sample.portions.portion.2.slides.slide.2.percent_monocyte_infilt
0 NA's
1 1097

patient.samples.sample.portions.portion.2.slides.slide.2.percent_necrosis:
0 NA's
1 1097

patient.samples.sample.portions.portion.2.slides.slide.2.percent_neutrophil_infi
0 NA's
1 1097

patient.samples.sample.portions.portion.2.slides.slide.2.percent_normal_cells:
4 NA's
1 1097

patient.samples.sample.portions.portion.2.slides.slide.2.percent_stromal_cells:
21 NA's
1 1097

patient.samples.sample.portions.portion.2.slides.slide.2.percent_tumor_cells:
75 NA's
1 1097

patient.samples.sample.portions.portion.2.slides.slide.2.percent_tumor_nuclei:
75 NA's
1 1097

patient.samples.sample.portions.portion.2.slides.slide.2.section_location:

bottom NA's
1 1097

patient.samples.sample.portions.portion.2.slides.slide.bcr_slide_barcode:
tcga-a8-a07j-01a-01-bs1 tcga-e9-a1nc-01a-02-tsb NA's
1 1 1096

patient.samples.sample.portions.portion.2.slides.slide.bcr_slide_uuid:
45067fa5-9305-45d9-a343-fccec9babf4 c9f54364-bf94-4431-9d02-8c2ec1732d02
1 1
NA's
1096

patient.samples.sample.portions.portion.2.slides.slide.image_file_name:
tcga-a8-a07j-01a-01-bs1.c9f54364-bf94-4431-9d02-8c2ec1732d02.svs 1
tcga-e9-a1nc-01a-02-tsb.45067fa5-9305-45d9-a343-fccec9babf4.svs 1
NA's
1096

patient.samples.sample.portions.portion.2.slides.slide.is_derived_from_ffpe:
no NA's
2 1096

patient.samples.sample.portions.portion.2.slides.slide.percent_lymphocyte_infiltration:
2 10 NA's
1 1 1096

patient.samples.sample.portions.portion.2.slides.slide.percent_monocyte_infiltration:
0 1 NA's
1 1 1096

patient.samples.sample.portions.portion.2.slides.slide.percent_necrosis:
0 NA's
2 1096

patient.samples.sample.portions.portion.2.slides.slide.percent_neutrophil_infiltration:
0 1 NA's
1 1 1096

patient.samples.sample.portions.portion.2.slides.slide.percent_normal_cells:
0 5 NA's
1 1 1096

patient.samples.sample.portions.portion.2.slides.slide.percent_stromal_cells:
25 30 NA's
1 1 1096

patient.samples.sample.portions.portion.2.slides.slide.percent_tumor_cells:
70 NA's
2 1096

patient.samples.sample.portions.portion.2.slides.slide.percent_tumor_nuclei:
 70 NA's
 2 1096

patient.samples.sample.portions.portion.2.slides.slide.section_location:
 top NA's
 2 1096

patient.samples.sample.portions.portion.2.weight:
 20 30 NA's
 1 1 1096

patient.samples.sample.portions.portion.2.year_of_creation:
 2010 2011 NA's
 1 1 1096

patient.samples.sample.portions.portion.3.analytes.analyte.a260_a280_ratio:
 1.71 NA's
 1 1097

patient.samples.sample.portions.portion.3.analytes.analyte.aliquots.aliquot.bcr_ tcga-a8-a06n-01a-12r-a056-07 NA's
 1 1097

patient.samples.sample.portions.portion.3.analytes.analyte.aliquots.aliquot.bcr_ b140fccd-5907-4b21-9ed9-a6bdaeb2de53 NA's
 1 1097

patient.samples.sample.portions.portion.3.analytes.analyte.aliquots.aliquot.bios 100475669 NA's
 1 1097

patient.samples.sample.portions.portion.3.analytes.analyte.aliquots.aliquot.cent 7 NA's
 1 1097

patient.samples.sample.portions.portion.3.analytes.analyte.aliquots.aliquot.conc 0.13 NA's
 1 1097

patient.samples.sample.portions.portion.3.analytes.analyte.aliquots.aliquot.day_ 11 NA's
 1 1097

patient.samples.sample.portions.portion.3.analytes.analyte.aliquots.aliquot.is_d no NA's
 1 1097

patient.samples.sample.portions.portion.3.analytes.analyte.aliquots.aliquot.mont 8 NA's
 1 1097

patient.samples.sample.portions.portion.3.analytes.analyte.aliquots.aliquot.plat
 7 NA's
 1 1097

patient.samples.sample.portions.portion.3.analytes.analyte.aliquots.aliquot.plat
 a056 NA's
 1 1097

patient.samples.sample.portions.portion.3.analytes.analyte.aliquots.aliquot.plat
 b NA's
 1 1097

patient.samples.sample.portions.portion.3.analytes.analyte.aliquots.aliquot.quan
 3.47 NA's
 1 1097

patient.samples.sample.portions.portion.3.analytes.analyte.aliquots.aliquot.sour
 23 NA's
 1 1097

patient.samples.sample.portions.portion.3.analytes.analyte.aliquots.aliquot.vol
 26.7 NA's
 1 1097

patient.samples.sample.portions.portion.3.analytes.analyte.aliquots.aliquot.year
 2010 NA's
 1 1097

patient.samples.sample.portions.portion.3.analytes.analyte.amount:
 20.85 NA's
 1 1097

patient.samples.sample.portions.portion.3.analytes.analyte.analyte_type:
 rna NA's
 1 1097

patient.samples.sample.portions.portion.3.analytes.analyte.analyte_type_id:
 r NA's
 1 1097

patient.samples.sample.portions.portion.3.analytes.analyte.bcr_analyte_barcode:
 tcga-a8-a06n-01a-12r NA's
 1 1097

patient.samples.sample.portions.portion.3.analytes.analyte.bcr_analyte_uuid:
 65bf5932-5226-430d-8255-7956e01d9602 NA's
 1 1097

patient.samples.sample.portions.portion.3.analytes.analyte.concentration:
 0.13 NA's
 1 1097

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patient.samples.sample.portions.portion.3.analytes.analyte.gel_image_file:
https://sharedoc.nchri.org/tcga-bcr/default.aspx
1
NA's
1097

patient.samples.sample.portions.portion.3.analytes.analyte.is_derived_from_ffpe:
no NA's
1 1097

patient.samples.sample.portions.portion.3.analytes.analyte.protocols.protocol.ex
mirvana (allprep dna) rna NA's
1 1097

patient.samples.sample.portions.portion.3.analytes.analyte.rna.ratio_28s_18s:
2.1 NA's
1 1097

patient.samples.sample.portions.portion.3.analytes.analyte.rna.rinvalue:
9.7 NA's
1 1097

patient.samples.sample.portions.portion.3.analytes.analyte.spectrophotometer_met
uv spec NA's
1 1097

patient.samples.sample.portions.portion.3.analytes.analyte.subportion_sequence:
2 NA's
1 1097

patient.samples.sample.portions.portion.3.bcr_portion_barcode:
tcga-a8-a06n-01a-12 NA's
1 1097

patient.samples.sample.portions.portion.3.bcr_portion_uuid:
40702263-bf67-4940-baf1-078932feb7c5 NA's
1 1097

patient.samples.sample.portions.portion.3.day_of_creation:
8 NA's
1 1097

patient.samples.sample.portions.portion.3.is_ffpe:
no NA's
1 1097

patient.samples.sample.portions.portion.3.month_of_creation:
6 NA's
1 1097

patient.samples.sample.portions.portion.3.portion_number:

```

```

12 NA's
1 1097

patient.samples.sample.portions.portion.3.portion_sequence:
1 NA's
1 1097

patient.samples.sample.portions.portion.3.slides.slide.2.bcr_slide_barcode:
tcga-a8-a06n-01a-01-ts1          NA's
1                                1097

patient.samples.sample.portions.portion.3.slides.slide.2.bcr_slide_uuid:
0e8d431f-4df4-4e2e-a8d2-3febb0f1beb9          NA's
1                                                1097

patient.samples.sample.portions.portion.3.slides.slide.2.image_file_name:
tcga-a8-a06n-01a-01-ts1.0e8d431f-4df4-4e2e-a8d2-3febb0f1beb9.svs
1
NA's
1097

patient.samples.sample.portions.portion.3.slides.slide.2.is_derived_from_ffpe:
no NA's
1 1097

patient.samples.sample.portions.portion.3.slides.slide.2.percent_lymphocyte_infi
1 NA's
1 1097

patient.samples.sample.portions.portion.3.slides.slide.2.percent_monocyte_infilt
0 NA's
1 1097

patient.samples.sample.portions.portion.3.slides.slide.2.percent_necrosis:
7 NA's
1 1097

patient.samples.sample.portions.portion.3.slides.slide.2.percent_neutrophil_infi
0 NA's
1 1097

patient.samples.sample.portions.portion.3.slides.slide.2.percent_normal_cells:
0 NA's
1 1097

patient.samples.sample.portions.portion.3.slides.slide.2.percent_stromal_cells:
40 NA's
1 1097

patient.samples.sample.portions.portion.3.slides.slide.2.percent_tumor_cells:
53 NA's
1 1097

```


patient.samples.sample.portions.portion.3.slides.slide.2.percent_tumor_nuclei:
90 NA's
1 1097

patient.samples.sample.portions.portion.3.slides.slide.2.section_location:
top NA's
1 1097

patient.samples.sample.portions.portion.3.slides.slide.bcr_slide_barcode:
tcga-a8-a06n-01a-01-bs1 NA's
1 1097

patient.samples.sample.portions.portion.3.slides.slide.bcr_slide_uuid:
12bf6cf9-767e-469a-ab07-accd6b3b134e NA's
1 1097

patient.samples.sample.portions.portion.3.slides.slide.image_file_name:
tcga-a8-a06n-01a-01-bs1.12bf6cf9-767e-469a-ab07-accd6b3b134e.svs
1
NA's
1097

patient.samples.sample.portions.portion.3.slides.slide.is_derived_from_ffpe:
no NA's
1 1097

patient.samples.sample.portions.portion.3.slides.slide.percent_lymphocyte_infiltration:
7 NA's
1 1097

patient.samples.sample.portions.portion.3.slides.slide.percent_monocyte_infiltration:
0 NA's
1 1097

patient.samples.sample.portions.portion.3.slides.slide.percent_necrosis:
2 NA's
1 1097

patient.samples.sample.portions.portion.3.slides.slide.percent_neutrophil_infiltration:
0 NA's
1 1097

patient.samples.sample.portions.portion.3.slides.slide.percent_normal_cells:
0 NA's
1 1097

patient.samples.sample.portions.portion.3.slides.slide.percent_stromal_cells:
56 NA's
1 1097

patient.samples.sample.portions.portion.3.slides.slide.percent_tumor_cells:

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42 NA's
1 1097

patient.samples.sample.portions.portion.3.slides.slide.percent_tumor_nuclei:
85 NA's
1 1097

patient.samples.sample.portions.portion.3.slides.slide.section_location:
bottom NA's
1 1097

patient.samples.sample.portions.portion.3.weight:
20 NA's
1 1097

patient.samples.sample.portions.portion.3.year_of_creation:
2010 NA's
1 1097

patient.samples.sample.portions.portion.analytes.analyte.2.a260_a280_ratio:
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.   NA's
0.880  1.780   1.830   1.834  1.880   2.270    6

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.2.bi
  Min.  1st Qu.   Median     Mean  3rd Qu.   Max.     NA's
94929000  99051282 100477345 111748191 113423300 174189887    3

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.2.ce
  7  13 NA's
668 427  3

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.2.co
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.   NA's
0.1300 0.1500 0.1600 0.1585 0.1700 0.1800    3

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.2.da
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.   NA's
1.00  12.00  16.00  17.94  25.00  31.00    3

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.2.is
no NA's
1095  3

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.2.mo
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.   NA's
1.000  3.000  5.000  5.427  7.000 12.000    3

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.2.pl
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.   NA's
1.000  2.000  3.000  4.081  6.000 12.000    3

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patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.2.qu
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.   NA's
  1.690  3.000  3.470  3.527  4.270  4.810    3

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.2.so
  23 NA's
1095    3

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.2.vo
  13  20 26.7 NA's
146 427 522    3

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.2.ye
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.   NA's
  2010   2010   2011   2011   2011   2014    3

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.3.ad
fppp NA's
  5 1093

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.3.ad
tcga NA's
  5 1093

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.3.bo
ffpe validation          NA's
          5          1093

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.3.bi
  Min.  1st Qu.  Median    Mean  3rd Qu.    Max.    NA's
97506797 97506844 100493075 124438074 145632090 167812940    1077

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.3.ce
  7  13 NA's
12  9 1077

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.3.co
0.14 0.15 0.16 0.17 NA's
  5  6  6  4 1077

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.3.da
  2  9  14  28 NA's
  2  3  14  2 1077

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.3.is
no NA's
21 1077

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patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.3.mo
 3 7 10 12 NA's
 5 11 2 3 1077

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.3.pl
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 1 3 6 5 6 9 1077

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.3.qu
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 1.060 1.950 2.800 2.499 3.000 4.010 1077

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.3.sc
 23 NA's
 21 1077

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.3.vo
 6.6 13 20 26.7 NA's
 3 7 9 2 1077

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.3.ye
 2010 2013 2014 NA's
 11 7 3 1077

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.4.ad
 fppp NA's
 5 1093

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.4.ad
 tcga NA's
 5 1093

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.4.bo
 ffpe validation NA's
 5 1093

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.4.bi
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 132179175 132179192 132179199 132179201 132179216 132179223 1093

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.4.ce
 13 NA's
 5 1093

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.4.co
 0.15 0.16 0.17 NA's
 1 3 1 1093

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.4.da
 13 NA's
 5 1093

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.4.is
 no NA's
 5 1093

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.4.mo
 3 NA's
 5 1093

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.4.pl
 6 NA's
 5 1093

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.4.pl
 a27d NA's
 5 1093

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.4.qu
 3 3.2 3.4 NA's
 1 3 1 1093

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.4.so
 23 NA's
 5 1093

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.4.vo
 20 NA's
 5 1093

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.4.ye
 2013 NA's
 5 1093

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.5.bo
 tcga-a7-a26j-01a-11r-a46x-36 NA's
 1 1097

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.5.bo
 e1006a79-6bd0-41d3-a3a4-b34146ce03b5 NA's
 1 1097

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.5.bi
 167814220 NA's
 1 1097

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.5.ce
 36 NA's

1 1097

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.5.co
0.16 NA's

1 1097

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.5.da
26 NA's

1 1097

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.5.is
no NA's

1 1097

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.5.mo
8 NA's

1 1097

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.5.pl
5 NA's

1 1097

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.5.pl
a46x NA's

1 1097

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.5.pl
b NA's

1 1097

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.5.qu
0.8 NA's

1 1097

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.5.sc
23 NA's

1 1097

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.5.vo
5 NA's

1 1097

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.5.ye
2015 NA's

1 1097

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.bios
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
99011371 99051790 100477636 112157394 113423387 174191615 3

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.cent
 7 13 NA's
 427 668 3

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.conc
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 0.1300 0.1500 0.1600 0.1585 0.1700 0.1800 3

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.day_
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 1.00 12.00 16.00 17.86 25.00 31.00 3

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.is_d
 no NA's
 1095 3

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.mont
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 1.000 3.000 5.000 5.427 7.000 12.000 3

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.plat
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 1.000 2.000 3.000 4.081 6.000 12.000 3

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.quan
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 1.950 3.000 3.200 3.266 3.600 4.540 3

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.sour
 23 NA's
 1095 3

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.vol
 13 20 26.7 NA's
 149 668 278 3

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.year
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 2010 2010 2011 2011 2011 2014 3

patient.samples.sample.portions.portion.analytes.analyte.2.amount:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 5.14 17.32 29.73 33.70 46.60 120.39 6

patient.samples.sample.portions.portion.analytes.analyte.2.analyte_type:
 rna NA's
 1095 3

patient.samples.sample.portions.portion.analytes.analyte.2.analyte_type_id:
 r NA's

1095 3

patient.samples.sample.portions.portion.analytes.analyte.2.concentration:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0.1300	0.1500	0.1600	0.1585	0.1700	0.1800	3

patient.samples.sample.portions.portion.analytes.analyte.2.gel_image_file:

<https://sharedoc.nchri.org/tcga-bcr/default.aspx>
1095
NA's
3

patient.samples.sample.portions.portion.analytes.analyte.2.is_derived_from_ffpe:

no NA's
1095 3

patient.samples.sample.portions.portion.analytes.analyte.2.protocols.protocol.ex

allprep	rna	extraction	mirvana	(allprep dna)	rna	NA's
			6		1088	4

patient.samples.sample.portions.portion.analytes.analyte.2.rna.ratio_28s_18s:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0.000	1.400	1.600	1.641	1.800	3.500	3

patient.samples.sample.portions.portion.analytes.analyte.2.rna.rinvalue:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
7.000	8.000	8.700	8.581	9.200	10.000	3

patient.samples.sample.portions.portion.analytes.analyte.2.spectrophotometer_met

uv spec NA's
1095 3

patient.samples.sample.portions.portion.analytes.analyte.2.subportion_sequence:

1	2	3	NA's
973	108	8	9

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.2.bi

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
89490636	99035482	99035552	99586277	100470888	113419537	867

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.2.ce

8	9	NA's
184	47	867

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.2.co

0.5	NA's
231	867

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.2.da
 8 9 14 29 NA's
 46 92 1 92 867

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.2.is
 no NA's
 231 867

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.2.mo
 6 8 9 NA's
 92 92 47 867

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.2.pl
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 1.000 3.000 5.000 5.706 8.000 12.000 867

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.2.pl
 a020 a051 a071 a187 NA's
 92 92 46 1 867

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.2.qu
 40 NA's
 231 867

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.2.so
 23 NA's
 231 867

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.2.vo
 80 NA's
 231 867

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.2.ye
 2010 2011 NA's
 230 1 867

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.3.bo
 tcga-b6-a0i5-01a-11w-a100-09 tcga-b6-a0i6-01a-11w-a100-09
 1 1
 NA's
 1096

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.3.bo
 c4bc479e-97aa-4b67-bf96-52ebf695c33b f1139266-fade-4d27-ac67-60870e666295
 1 1
 NA's
 1096

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.3.bi
 100471825 100472080 NA's
 1 1 1096

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.3.ce
9 NA's
2 1096

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.3.co
0.5 NA's
2 1096

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.3.da
12 NA's
2 1096

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.3.is
no NA's
2 1096

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.3.mo
10 NA's
2 1096

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.3.pl
3 4 NA's
1 1 1096

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.3.pl
a100 NA's
2 1096

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.3.pl
g NA's
2 1096

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.3.qu
6.5 NA's
2 1096

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.3.so
23 NA's
2 1096

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.3.vo
13 NA's
2 1096

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.3.ye
2010 NA's
2 1096

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.bios

	Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
	89490683	100476730	108432442	112676006	113420304	167803513	38

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.cent

	8	9	NA's				
	46	1014	38				

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.conc

	0.5	NA's					
	1060	38					

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.day_

	Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
	1.00	8.00	15.00	15.69	23.00	30.00	38

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.is_d

	no	NA's					
	1060	38					

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.mont

	Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
	1.000	5.000	6.000	6.265	9.000	11.000	38

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.plat

	Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
	1.000	2.000	3.000	3.724	5.000	12.000	38

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.quant

	6.5	40	NA's				
	1	1059	38				

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.sour

	23	NA's					
	1060	38					

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.volu

	13	80	NA's				
	1	1059	38				

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.year

	Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
	2010	2010	2011	2011	2011	2014	38

patient.samples.sample.portions.portion.analytes.analyte.3.analyte_type:

	repli-g (qiagen) dna	repli-g x (qiagen) dna					NA's
		1021			39		38

patient.samples.sample.portions.portion.analytes.analyte.3.analyte_type_id:

	w	x	NA's				
	1021	39	38				

```

patient.samples.sample.portions.portion.analytes.analyte.3.dna.normal_tumor_genom
yes NA's
1060 38

patient.samples.sample.portions.portion.analytes.analyte.3.dna.pcr_amplification
yes NA's
1060 38

patient.samples.sample.portions.portion.analytes.analyte.3.gel_image_file:
https://sharedoc.nchri.org/tcga-bcr/default.aspx
1060
NA's
38

patient.samples.sample.portions.portion.analytes.analyte.3.is_derived_from_ffpe:
no NA's
1060 38

patient.samples.sample.portions.portion.analytes.analyte.3.protocols.protocol.ex
repli-g repli-g x NA's
928 39 131

patient.samples.sample.portions.portion.analytes.analyte.3.subportion_sequence:
1 2 3 NA's
946 100 8 44

patient.samples.sample.portions.portion.analytes.analyte.4.aliquots.aliquot.2.bi
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
89490284 99034356 99035710 99485734 100472229 100476263 868

patient.samples.sample.portions.portion.analytes.analyte.4.aliquots.aliquot.2.ce
8 9 NA's
92 138 868

patient.samples.sample.portions.portion.analytes.analyte.4.aliquots.aliquot.2.co
0.5 NA's
230 868

patient.samples.sample.portions.portion.analytes.analyte.4.aliquots.aliquot.2.da
8 9 29 NA's
46 92 92 868

patient.samples.sample.portions.portion.analytes.analyte.4.aliquots.aliquot.2.is
no NA's
230 868

patient.samples.sample.portions.portion.analytes.analyte.4.aliquots.aliquot.2.mo

```

6 8 9 NA's
92 92 46 868

patient.samples.sample.portions.portion.analytes.analyte.4.aliquots.aliquot.2.pl
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
1.000 3.000 5.000 5.722 8.000 12.000 868

patient.samples.sample.portions.portion.analytes.analyte.4.aliquots.aliquot.2.pl
a024 a049 a073 NA's
92 92 46 868

patient.samples.sample.portions.portion.analytes.analyte.4.aliquots.aliquot.2.qu
40 NA's
230 868

patient.samples.sample.portions.portion.analytes.analyte.4.aliquots.aliquot.2.sc
23 NA's
230 868

patient.samples.sample.portions.portion.analytes.analyte.4.aliquots.aliquot.2.vo
80 NA's
230 868

patient.samples.sample.portions.portion.analytes.analyte.4.aliquots.aliquot.2.ye
2010 NA's
230 868

patient.samples.sample.portions.portion.analytes.analyte.4.aliquots.aliquot.bios
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
99013507 99059851 100471308 99767501 100472556 100476246 820

patient.samples.sample.portions.portion.analytes.analyte.4.aliquots.aliquot.cent
8 9 NA's
138 140 820

patient.samples.sample.portions.portion.analytes.analyte.4.aliquots.aliquot.conc
0.5 NA's
278 820

patient.samples.sample.portions.portion.analytes.analyte.4.aliquots.aliquot.day_
8 9 12 29 NA's
46 92 48 92 820

patient.samples.sample.portions.portion.analytes.analyte.4.aliquots.aliquot.is_d
no NA's
278 820

patient.samples.sample.portions.portion.analytes.analyte.4.aliquots.aliquot.mont
6 8 9 10 NA's

92 92 46 48 820

patient.samples.sample.portions.portion.analytes.analyte.4.aliquots.aliquot.plat

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1.000	3.000	5.000	5.349	8.000	12.000	820

patient.samples.sample.portions.portion.analytes.analyte.4.aliquots.aliquot.quant

6.5	40	NA's
1	277	820

patient.samples.sample.portions.portion.analytes.analyte.4.aliquots.aliquot.sour

23	NA's
278	820

patient.samples.sample.portions.portion.analytes.analyte.4.aliquots.aliquot.vol

13	80	NA's
1	277	820

patient.samples.sample.portions.portion.analytes.analyte.4.aliquots.aliquot.year

2010	NA's
278	820

patient.samples.sample.portions.portion.analytes.analyte.4.analyte_type:

repli-g x (qiagen) dna	NA's
278	820

patient.samples.sample.portions.portion.analytes.analyte.4.analyte_type_id:

x	NA's
278	820

patient.samples.sample.portions.portion.analytes.analyte.4.dna.normal_tumor_gen

yes	NA's
278	820

patient.samples.sample.portions.portion.analytes.analyte.4.dna.pcr_amplification

yes	NA's
278	820

patient.samples.sample.portions.portion.analytes.analyte.4.gel_image_file:

https://sharedoc.nchri.org/tcga-bcr/default.aspx	278
	NA's
	820

patient.samples.sample.portions.portion.analytes.analyte.4.is_derived_from_ffpe:

no	NA's
278	820

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patient.samples.sample.portions.portion.analytes.analyte.4.protocols.protocol.ex
repli-g x      NA's
      185      913

patient.samples.sample.portions.portion.analytes.analyte.4.subportion_sequence:
      1      2      3 NA's
258  17      2  821

patient.samples.sample.portions.portion.analytes.analyte.5.a260_a280_ratio:
1.89 NA's
      1 1097

patient.samples.sample.portions.portion.analytes.analyte.5.aliquots.aliquot.bcr_
tcga-a7-a0cg-01a-12r-a056-07      NA's
                                1      1097

patient.samples.sample.portions.portion.analytes.analyte.5.aliquots.aliquot.bcr_
2b0e2135-a1e4-4785-8b9f-b4cf7b36d938      NA's
                                1      1097

patient.samples.sample.portions.portion.analytes.analyte.5.aliquots.aliquot.bios
100489855      NA's
              1      1097

patient.samples.sample.portions.portion.analytes.analyte.5.aliquots.aliquot.cent
      7 NA's
      1 1097

patient.samples.sample.portions.portion.analytes.analyte.5.aliquots.aliquot.conc
0.14 NA's
      1 1097

patient.samples.sample.portions.portion.analytes.analyte.5.aliquots.aliquot.day_
      11 NA's
      1 1097

patient.samples.sample.portions.portion.analytes.analyte.5.aliquots.aliquot.is_d
no NA's
      1 1097

patient.samples.sample.portions.portion.analytes.analyte.5.aliquots.aliquot.mont
      8 NA's
      1 1097

patient.samples.sample.portions.portion.analytes.analyte.5.aliquots.aliquot.plat
      7 NA's
      1 1097

patient.samples.sample.portions.portion.analytes.analyte.5.aliquots.aliquot.plat
a056 NA's
      1 1097

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patient.samples.sample.portions.portion.analytes.analyte.5.aliquots.aliquot.plat
  a NA's
  1 1097

patient.samples.sample.portions.portion.analytes.analyte.5.aliquots.aliquot.quant
3.74 NA's
  1 1097

patient.samples.sample.portions.portion.analytes.analyte.5.aliquots.aliquot.sourc
  23 NA's
  1 1097

patient.samples.sample.portions.portion.analytes.analyte.5.aliquots.aliquot.volum
26.7 NA's
  1 1097

patient.samples.sample.portions.portion.analytes.analyte.5.aliquots.aliquot.year
2010 NA's
  1 1097

patient.samples.sample.portions.portion.analytes.analyte.5.amount:
11.7 NA's
  1 1097

patient.samples.sample.portions.portion.analytes.analyte.5.analyte_type:
  rna NA's
  1 1097

patient.samples.sample.portions.portion.analytes.analyte.5.analyte_type_id:
  r NA's
  1 1097

patient.samples.sample.portions.portion.analytes.analyte.5.bcr_analyte_barcode:
tcga-a7-a0cg-01a-12r          NA's
  1                          1097

patient.samples.sample.portions.portion.analytes.analyte.5.bcr_analyte_uuid:
baa14eb8-alf1-461a-9089-fe79b32d45e6          NA's
  1                                             1097

patient.samples.sample.portions.portion.analytes.analyte.5.concentration:
0.14 NA's
  1 1097

patient.samples.sample.portions.portion.analytes.analyte.5.gel_image_file:
https://sharedoc.nchri.org/tcga-bcr/default.aspx
  1
  NA's
  1097

patient.samples.sample.portions.portion.analytes.analyte.5.is_derived_from_ffpe:
  no NA's

```


1 1097

patient.samples.sample.portions.portion.analytes.analyte.5.protocols.protocol.ex
mirvana (allprep dna) rna NA's
1 1097

patient.samples.sample.portions.portion.analytes.analyte.5.rna.ratio_28s_18s:
1.6 NA's
1 1097

patient.samples.sample.portions.portion.analytes.analyte.5.rna.rinvalue:
8.5 NA's
1 1097

patient.samples.sample.portions.portion.analytes.analyte.5.spectrophotometer_met
uv spec NA's
1 1097

patient.samples.sample.portions.portion.analytes.analyte.5.subportion_sequence:
2 NA's
1 1097

patient.samples.sample.portions.portion.analytes.analyte.a260_a280_ratio:
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
0.71 1.88 1.94 4.14 2.00 1761.00 298

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.2.bios
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
99015303 99054750 100490520 112423333 113423242 174191459 3

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.2.cent
1 2 5 9 NA's
594 92 17 392 3

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.2.conc
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
0.06 0.08 0.15 0.13 0.16 0.18 3

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.2.day_
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
1.00 12.00 16.00 17.89 25.00 31.00 3

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.2.is_d
no NA's
1095 3

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.2.mont
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
1.00 3.00 5.00 5.44 7.00 12.00 3

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.2.plat
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 1.000 2.000 3.000 3.701 5.000 12.000 3

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.2.quant
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 0.870 1.070 1.200 1.824 2.800 4.000 3

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.2.sour
 23 NA's
 1095 3

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.2.vol
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 6.67 6.67 6.67 18.15 40.00 40.00 3

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.2.year
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 2010 2010 2011 2011 2011 2014 3

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.3.bios
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 99013582 100471164 100487633 112281604 113423676 174190374 3

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.3.cent
 1 2 5 9 NA's
 206 55 429 405 3

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.3.conc
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 0.0700 0.0800 0.1500 0.1287 0.1600 0.2100 3

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.3.day_
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 1.00 12.00 19.00 19.05 28.00 31.00 3

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.3.is_d
 no NA's
 1095 3

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.3.mont
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 1.00 3.00 5.00 5.44 7.00 12.00 3

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.3.plat
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 1.000 2.000 3.000 3.703 5.000 12.000 3

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.3.quant

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0.870	1.130	2.080	2.584	3.600	7.200	3

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.3.sour

23 NA's
1095 3

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.3.vol

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
6.67	13.00	13.34	23.36	40.00	80.00	3

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.3.year

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
2010	2010	2011	2011	2011	2014	3

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.4.bios

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
89490670	99050899	100478900	103652328	108474665	153879512	285

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.4.cent

1 5 8 9 NA's
1 419 230 163 285

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.4.conc

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0.0700	0.0800	0.1400	0.1213	0.1600	0.1900	285

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.4.day_

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
6	9	14	17	23	31	285

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.4.is_d

no NA's
813 285

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.4.mont

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1.000	3.000	5.000	5.498	8.000	12.000	285

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.4.plat

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1.000	2.000	4.000	4.279	6.000	12.000	285

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.4.quant

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
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0.930  1.600  3.470  2.998  4.270  4.810  285

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.4.sour
  23 NA's
813 285

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.4.volu
  Min. 1st Qu.  Median      Mean 3rd Qu.   Max.   NA's
  6.70  20.00  26.70  23.76  26.70  40.00  285

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.4.year
2010 2011 2013 NA's
 343 469   1 285

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.5.addi
fppp NA's
   5 1093

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.5.addi
tcga NA's
   5 1093

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.5.bcr_
ffpe validation      NA's
           5          1093

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.5.bios
  Min.  1st Qu.  Median      Mean  3rd Qu.   Max.   NA's
89490664 99036799 100477270 103660980 100478323 153879542 749

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.5.cent
  1  2  5  9 NA's
  3 87 49 210 749

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.5.conc
  Min. 1st Qu.  Median      Mean 3rd Qu.   Max.   NA's
0.0700 0.0800 0.0800 0.1074 0.1500 0.1700 749

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.5.day_
  Min. 1st Qu.  Median      Mean 3rd Qu.   Max.   NA's
  2.00   9.00  19.00  17.62  26.00  31.00  749

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.5.is_d
no NA's
349 749

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.5.mont
  Min. 1st Qu.  Median      Mean 3rd Qu.   Max.   NA's
 1.000   8.000   8.000   8.289   9.000  12.000  749

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patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.5.plat
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 1.000 2.000 5.000 5.613 9.000 12.000 749

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.5.quan
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 0.870 1.070 1.820 2.157 3.010 17.000 749

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.5.sour
 23 NA's
 349 749

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.5.vol
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 6.67 13.00 13.34 20.63 26.70 100.00 749

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.5.year
 2010 2011 2013 NA's
 273 60 16 749

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.6.addi
 fppp NA's
 2 1096

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.6.addi
 tcga NA's
 2 1096

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.6.bcr_
 ffpe validation NA's
 2 1096

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.6.bios
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 99013036 100477217 100477263 107595374 113388420 167811774 1013

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.6.cent
 1 5 9 NA's
 2 48 35 1013

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.6.conc
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 0.0700 0.0800 0.1400 0.1211 0.1500 0.1700 1013

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.6.day_
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 2.00 20.00 20.00 17.86 20.00 26.00 1013

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.6.is_d
no NA's
85 1013

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.6.mont
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
1.000 6.000 12.000 9.165 12.000 12.000 1013

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.6.plat
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
1.000 1.000 2.000 2.776 4.000 7.000 1013

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.6.quant
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
1.010 2.080 3.470 3.662 4.010 16.000 1013

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.6.sour
23 NA's
85 1013

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.6.volun
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
6.70 26.00 26.70 30.48 26.70 100.00 1013

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.6.year
2010 2011 2013 2015 NA's
45 34 5 1 1013

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.7.addi
fppp NA's
2 1096

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.7.addi
tcga NA's
2 1096

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.7.bcr_
ffpe validation NA's
2 1096

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.7.bios
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
99027527 105041074 113388893 121033445 132159869 167811798 1083

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.7.cent
5 9 NA's
3 12 1083

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.7.conc
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 0.070 0.080 0.080 0.092 0.080 0.160 1083

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.7.day_
 2 13 21 26 NA's
 5 3 1 6 1083

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.7.is_d
 no NA's
 15 1083

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.7.mont
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 1.000 1.000 4.000 5.467 11.000 11.000 1083

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.7.plat
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 1.000 1.500 2.000 2.867 3.000 7.000 1083

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.7.quan
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 1.01 1.60 2.08 3.15 3.00 18.62 1083

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.7.sour
 23 NA's
 15 1083

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.7.vol
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 6.70 20.00 26.00 32.65 40.00 133.00 1083

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.7.year
 2011 2013 2015 NA's
 10 4 1 1083

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.8.bcr_
 tcga-a7-a26j-01a-11d-a46w-08 tcga-b6-a0re-01a-11d-a46a-09
 1 1
 NA's
 1096

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.8.bcr_
 5c823e40-9360-4409-a072-1a2b315f715f 844d82c5-d978-40e0-a7c6-16b52deb6702
 1 1
 NA's
 1096

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.8.bios
 145674768 167811773 NA's

```
1 1 1096

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.8.cent
8 9 NA's
1 1 1096

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.8.conc
0.08 NA's
2 1096

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.8.day_
3 21 NA's
1 1 1096

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.8.is_d
no NA's
2 1096

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.8.mont
1 8 NA's
1 1 1096

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.8.plat
6 7 NA's
1 1 1096

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.8.plat
a46a a46w NA's
1 1 1096

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.8.plat
f g NA's
1 1 1096

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.8.quan
1.07 1.6 NA's
1 1 1096

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.8.sour
23 NA's
2 1096

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.8.vol
13.4 20 NA's
1 1 1096

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.8.year
2015 NA's
2 1096
```



```

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.biospe
  Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
99014634 100473754 100490542 112045083 113421550 174191244 3

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.center
  1 2 5 NA's
295 569 231 3

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.concen
  Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
0.1200 0.1500 0.1600 0.1582 0.1700 0.2100 3

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.day_of
  Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
1.00 12.00 16.00 17.86 25.00 31.00 3

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.is_der
no NA's
1095 3

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.month_
  Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
1.00 3.00 5.00 5.34 7.00 12.00 3

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.plate_
  Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
1.000 2.000 3.000 3.701 5.000 12.000 3

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.quantit
  Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
0.80 1.14 2.08 2.23 2.34 4.54 3

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.source
23 NA's
1095 3

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.volume
6.7 7 13 26.7 NA's
282 13 569 231 3

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.year_o
  Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
2010 2010 2011 2011 2011 2014 3

patient.samples.sample.portions.portion.analytes.analyte.amount:
  Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
6.95 22.75 36.43 40.80 57.02 116.67 7

patient.samples.sample.portions.portion.analytes.analyte.analyte_type:
dna NA's

```

1095 3

patient.samples.sample.portions.portion.analytes.analyte.analyte_type_id:
d NA's

1095 3

patient.samples.sample.portions.portion.analytes.analyte.concentration:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0.1200	0.1500	0.1600	0.1582	0.1700	0.2100	3

patient.samples.sample.portions.portion.analytes.analyte.dna.normal_tumor_genoty
yes NA's

1095 3

patient.samples.sample.portions.portion.analytes.analyte.dna.pcr_amplification_s
yes NA's

1095 3

patient.samples.sample.portions.portion.analytes.analyte.gel_image_file:

<https://sharedoc.nchri.org/tcga-bcr/default.aspx>
1095
NA's
3

patient.samples.sample.portions.portion.analytes.analyte.is_derived_from_ffpe:
no NA's

1095 3

patient.samples.sample.portions.portion.analytes.analyte.protocols.protocol.expe
adna preparation type NA's

1095 3

patient.samples.sample.portions.portion.analytes.analyte.spectrophotometer_metho
picogreen uv spec NA's

291 804 3

patient.samples.sample.portions.portion.analytes.analyte.subportion_sequence:

1	2	3	NA's
973	108	8	9

patient.samples.sample.portions.portion.day_of_creation:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1.00	8.00	12.00	13.85	21.00	31.00	3

patient.samples.sample.portions.portion.is_ffpe:

no NA's
1095 3

patient.samples.sample.portions.portion.month_of_creation:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1.000	4.000	6.000	6.259	9.000	12.000	3

patient.samples.sample.portions.portion.portion_number:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1.00	11.00	11.00	13.99	12.00	81.00	3

patient.samples.sample.portions.portion.portion_sequence:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1.000	1.000	1.000	1.291	1.000	8.000	30

patient.samples.sample.portions.portion.slides.slide.2.is_derived_from_ffpe:

no NA's
446 652

patient.samples.sample.portions.portion.slides.slide.2.percent_lymphocyte_infiltration:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0.000	1.000	2.000	6.789	6.000	100.000	652

patient.samples.sample.portions.portion.slides.slide.2.percent_monocyte_infiltration:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0.000	0.000	0.000	1.056	0.000	30.000	652

patient.samples.sample.portions.portion.slides.slide.2.percent_necrosis:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0.000	0.000	1.000	1.879	2.000	30.000	652

patient.samples.sample.portions.portion.slides.slide.2.percent_neutrophil_infiltration:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0.0000	0.0000	0.0000	0.9955	0.0000	30.0000	652

patient.samples.sample.portions.portion.slides.slide.2.percent_normal_cells:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0.000	0.000	0.000	4.513	4.750	79.000	652

patient.samples.sample.portions.portion.slides.slide.2.percent_stromal_cells:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0.00	10.00	18.00	20.88	25.75	90.00	652

patient.samples.sample.portions.portion.slides.slide.2.percent_tumor_cells:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0.00	69.25	78.00	72.91	85.00	100.00	652

patient.samples.sample.portions.portion.slides.slide.2.percent_tumor_nuclei:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0.0	70.0	80.0	77.5	85.0	98.0	652

patient.samples.sample.portions.portion.slides.slide.2.section_location:

bottom	top	NA's
28	418	652

patient.samples.sample.portions.portion.slides.slide.is_derived_from_ffpe:
 no NA's
 1094 4

patient.samples.sample.portions.portion.slides.slide.percent_lymphocyte_infiltration:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 0.000 0.000 1.000 6.138 4.000 100.000 7

patient.samples.sample.portions.portion.slides.slide.percent_monocyte_infiltration:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 0.000 0.000 0.000 1.606 0.000 30.000 7

patient.samples.sample.portions.portion.slides.slide.percent_necrosis:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 0.000 0.000 0.000 1.772 2.000 35.000 7

patient.samples.sample.portions.portion.slides.slide.percent_neutrophil_infiltration:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 0.000 0.000 0.000 1.631 0.000 50.000 7

patient.samples.sample.portions.portion.slides.slide.percent_normal_cells:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 0.000 0.000 0.000 3.836 3.000 89.000 7

patient.samples.sample.portions.portion.slides.slide.percent_stromal_cells:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 0.00 10.00 20.00 21.07 30.00 95.00 7

patient.samples.sample.portions.portion.slides.slide.percent_tumor_cells:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 0.00 65.00 75.00 73.29 85.00 100.00 7

patient.samples.sample.portions.portion.slides.slide.percent_tumor_nuclei:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 0.00 70.00 80.00 77.32 85.00 98.00 7

patient.samples.sample.portions.portion.slides.slide.section_location:
 bottom top NA's
 419 675 4

patient.samples.sample.portions.portion.weight:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 10.00 30.00 30.00 29.29 30.00 100.00 4

patient.samples.sample.portions.portion.year_of_creation:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's

2010 2010 2011 2011 2011 2014 3

patient.samples.sample.portions.shipment_portion.2.center_id:

20 30 NA's
12 112 974

patient.samples.sample.portions.shipment_portion.2.is_ffpe:

no NA's
124 974

patient.samples.sample.portions.shipment_portion.2.portion_number:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
12.00	22.00	41.00	33.26	41.00	61.00	974

patient.samples.sample.portions.shipment_portion.2.portion_sequence:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1.000	2.000	4.000	3.193	4.000	6.000	974

patient.samples.sample.portions.shipment_portion.2.shipment_portion_day_of_shipm

3 22 NA's
112 12 974

patient.samples.sample.portions.shipment_portion.2.shipment_portion_month_of_shi

3 4 NA's
12 112 974

patient.samples.sample.portions.shipment_portion.2.shipment_portion_year_of_ship

2011 2012 NA's
12 112 974

patient.samples.sample.portions.shipment_portion.center_id:

20 30 NA's
872 14 212

patient.samples.sample.portions.shipment_portion.is_ffpe:

no NA's
886 212

patient.samples.sample.portions.shipment_portion.portion_number:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
11.00	21.00	21.00	20.42	21.00	91.00	212

patient.samples.sample.portions.shipment_portion.portion_sequence:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1.000	2.000	2.000	1.935	2.000	9.000	233

```

patient.samples.sample.portions.shipment_portion.shipment_portion_day_of_shipmen
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.   NA's
  2.00   2.00   22.00   14.85  22.00   24.00   212

```

```

patient.samples.sample.portions.shipment_portion.shipment_portion_month_of_shipm
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.   NA's
  3.000  3.000   6.000   5.947  8.000  11.000   212

```

```

patient.samples.sample.portions.shipment_portion.shipment_portion_year_of_shipme
2011 2012 2013 2014 NA's
  647   99   79   61  212

```

```

patient.samples.sample.sample_type:
primary tumor      NA's
      1097           1

```

```

patient.samples.sample.sample_type_id:
  1 NA's
1097   1

```

```

patient.samples.sample.vial_number:
  a   b NA's
1087 10   1

```

```

Gender:
FEMALE  MALE  NA's
  809     8   281

```

```

Age.at.Initial.Pathologic.Diagnosis:
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.   NA's
  26.00  48.00   58.00   58.06  67.00   90.00   281

```

```

HER2.Final.Status:
      Equivocal      Negative Not Available      Positive      NA's
      10           651           15           114           308

```

```

Tumor..T1.Coded:
T_Other      T1      NA's
  577       210     311

```

```

Node:
  N0   N1   N2   N3 NA's
  385  263  99  43  308

```

```

Node.Coded:
Negative Positive      NA's
  385       405     308

```

```

Metastasis:

```

M0	M1	NA's
770	14	314

Metastasis.Coded:		
Negative	Positive	NA's
770	14	314

Survival.Data.Form:		
enrollment	followup	NA's
583	234	281

Vital.Status:		
DECEASED	LIVING	NA's
93	724	281

Days.to.date.of.Death:						
Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
157	811	1563	1744	2520	4456	1005

OS.event:		
0	1	NA's
724	93	281

OS.Time:						
Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0.0	178.0	545.0	912.9	1295.0	7125.0	281

SigClust.Unsupervised.mRNA:						
Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
-12.000	-7.000	-3.000	-4.789	-3.000	0.000	576

SigClust.Intrinsic.mRNA:						
Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
-13.000	-12.000	-5.000	-6.764	-2.000	0.000	576

miRNA.Clusters:						
Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1.000	3.000	4.000	4.176	6.000	7.000	404

methylation.Clusters:						
Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1.000	2.000	3.000	3.111	4.000	5.000	299

CN.Clusters:						
Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1.000	2.000	3.000	2.713	4.000	5.000	325

```
Integrated.Clusters..with.PAM50.:
```

```
  1    2    3    4 NA's
39   72  161   76  750
```

```
Integrated.Clusters..no.exp.:
```

```
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.   NA's
1.000  1.000    2.000   2.195  3.000   5.000   750
```

```
Integrated.Clusters..unsup.exp.:
```

```
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.   NA's
1.000  2.000    3.000   2.641  3.000   5.000   750
```

```
X60.Gene.classifier.Class.Assignment:
```

```
Immune-related  Proliferative  Reactive-like           NA's
                50              27              50             971
```

CESC

Cervical squamous cell carcinoma and endocervical adenocarcinoma

Description

A document describing the TCGA cancer code

Details

```
> experiments( CESC )
```

```
ExperimentList class object of length 10:
```

```
[1] CNASeq-20160128: RaggedExperiment with 7834 rows and 100 columns
[2] CNASNP-20160128: RaggedExperiment with 267855 rows and 586 columns
[3] CNVSNP-20160128: RaggedExperiment with 59450 rows and 586 columns
[4] GISTIC_AllByGene-20160128: SummarizedExperiment with 24776 rows and 295 columns
[5] GISTIC_ThresholdedByGene-20160128: SummarizedExperiment with 24776 rows and 295 columns
[6] Methylation-20160128: SummarizedExperiment with 485577 rows and 312 columns
[7] miRNASeqGene-20160128: SummarizedExperiment with 1046 rows and 312 columns
[8] Mutation-20160128: RaggedExperiment with 46547 rows and 194 columns
[9] RNASeq2GeneNorm-20160128: SummarizedExperiment with 20501 rows and 309 columns
[10] RPPAArray-20160128: SummarizedExperiment with 192 rows and 173 columns
```

```
> rownames( CESC )
```

```
CharacterList of length 10
```

```
[[ "CNASeq-20160128" ]] character(0)
[[ "CNASNP-20160128" ]] character(0)
[[ "CNVSNP-20160128" ]] character(0)
[[ "GISTIC_AllByGene-20160128" ]] ACAP3 ACTRT2 ... WASIR1|ENSG00000185203.7
[[ "GISTIC_ThresholdedByGene-20160128" ]] ACAP3 ... WASIR1|ENSG00000185203.7
[[ "Methylation-20160128" ]] cg00000029 cg00000108 ... rs966367 rs9839873
[[ "miRNASeqGene-20160128" ]] hsa-let-7a-1 hsa-let-7a-2 ... hsa-mir-99b
[[ "Mutation-20160128" ]] character(0)
[[ "RNASeq2GeneNorm-20160128" ]] A1BG A1CF A2BP1 A2LD1 ... ZZZ3 psiTPTE22 tAKR
[[ "RPPAArray-20160128" ]] 14-3-3_beta 14-3-3_epsilon ... p90RSK_pT359_S363
```



```
> colnames( CESC )
CharacterList of length 10
[["CNASeq-20160128"]] TCGA-C5-A1BQ-01C-11D-A20X-26 ...
[["CNASNP-20160128"]] TCGA-2W-A8YY-01A-11D-A37M-01 ...
[["CNVSNP-20160128"]] TCGA-2W-A8YY-01A-11D-A37M-01 ...
[["GISTIC_AllByGene-20160128"]] TCGA-2W-A8YY-01A-11D-A37M-01 ...
[["GISTIC_ThresholdedByGene-20160128"]] TCGA-2W-A8YY-01A-11D-A37M-01 ...
[["Methylation-20160128"]] TCGA-2W-A8YY-01A-11D-A37Q-05 ...
[["miRNASeqGene-20160128"]] TCGA-2W-A8YY-01A-11R-A37P-13 ...
[["Mutation-20160128"]] TCGA-BI-A0VR-01A-11D-A10S-08 ...
[["RNASeq2GeneNorm-20160128"]] TCGA-2W-A8YY-01A-11R-A37O-07 ...
[["RPPAArray-20160128"]] TCGA-2W-A8YY-01A-21-A40H-20 ...
```

Sizes of each ExperimentList element:

	assay	size.Mb
1	CNASeq-20160128	0.3 Mb
2	CNASNP-20160128	7.3 Mb
3	CNVSNP-20160128	1.8 Mb
4	GISTIC_AllByGene-20160128	4.3 Mb
5	GISTIC_ThresholdedByGene-20160128	4.3 Mb
6	Methylation-20160128	67.4 Mb
7	miRNASeqGene-20160128	0.1 Mb
8	Mutation-20160128	28.4 Mb
9	RNASeq2GeneNorm-20160128	1.1 Mb
10	RPPAArray-20160128	0 Mb

Overall survival time-to-event summary (in years):

```
Call: survfit(formula = survival::Surv(colDat$days_to_death/365, colDat$vital_status - 1)
```

```
235 observations deleted due to missingness
      n  events  median 0.95LCL 0.95UCL
72.00  72.00   1.70   1.39   2.29
```

Available sample meta-data:

```
years_to_birth:
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.   NA's
  20.0   38.0   46.0   48.2   56.0   88.0     2

vital_status:
  0  1
235 72
```

days_to_death:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
14.0	349.5	620.0	881.3	1069.5	4086.0	235

days_to_last_followup:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0	374	688	1071	1362	6408	72

tumor_tissue_site:

cervical
307

pathology_N_stage:

n0	n1	nx	NA's
135	60	67	45

pathology_M_stage:

m0	m1	mx	NA's
116	10	131	50

gender:

female
307

date_of_initial_pathologic_diagnosis:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1994	2006	2010	2008	2012	2013	2

radiation_therapy:

no	yes	NA's
55	129	123

number_pack_years_smoked:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0.20	6.50	15.00	17.38	25.00	57.00	214

number_of_lymph_nodes:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0.000	0.000	0.000	1.044	1.000	16.000	148

ethnicity:

hispanic or latino	not hispanic or latino	NA's
24	171	112

weight_kg_at_diagnosis:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
31.00	58.25	70.50	73.04	83.75	210.00	29

tumor_status:

tumor free	with tumor	NA's
201	80	26

tobacco_smoking_year_stopped:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1949	1995	2003	2000	2010	2013	264

tobacco_smoking_pack_years_smoked:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0.20	6.50	15.00	17.38	25.00	57.00	214

tobacco_smoking_history:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1.000	1.000	1.000	1.829	2.000	5.000	44

agebegansmokinginyears:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
11.00	16.00	18.00	21.14	24.00	44.00	222

radiation_therapy_status:

completed as planned	treatment not completed	NA's
29	3	275

pregnancies_count_total:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0.00	2.00	3.00	3.61	5.00	15.00	40

pregnancies_count_stillbirth:

0	1	3	NA's
106	5	1	195

pregnancy_spontaneous_abortion_count:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0.0000	0.0000	0.0000	0.5442	1.0000	6.0000	160

pregnancies_count_live_birth:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0.000	1.250	2.000	2.844	4.000	11.000	45

pregnancy_therapeutic_abortion_count:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0.0000	0.0000	0.0000	0.8525	1.0000	13.0000	185

pregnancies_count_ectopic:

0	1	2	NA's
104	11	1	191

lymph_node_location:

lymph_node_location_positive_pathology_name|lymph_node_location_positive_patholo

menopause_status:

indeterminate (neither pre or post)
 peri (6-12 months since last menstruation)
 post (prior bilateral ovariectomy or >12 mo since lmp with no prior h
 pre (<6 months since lmp and no prior bilateral ovariectomy and not on estrogen

lymphovascular_involvement:

absent	present	NA's
72	80	155

lymph_nodes_examined_he_count:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0.000	0.000	0.000	1.044	1.000	16.000	148

lymph_nodes_examined:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
2.00	13.00	21.00	22.28	29.00	63.00	127

keratinization_squamous_cell:

keratinizing squamous cell carcinoma	55
non-keratinizing squamous cell carcinoma	120
NA's	132

initial_pathologic_dx_year:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1994	2006	2010	2008	2012	2013	2

hysterectomy_type:

hysterectomy_performed_type hysterectomy_performed_text	307
---	-----

history_hormonal_contraceptives_use:

current user	former user	never used	NA's
15	54	90	148

height_cm_at_diagnosis:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
132	157	160	161	165	183	43

corpus_involvement:

absent	present	NA's				
99	19	189				

chemo_concurrent_type:

carboplatin	cisplatin	other	NA's
7	104	2	194

cervix_suv_results:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0.00	8.70	12.00	13.22	16.92	28.80	290

cause_of_death:

cardiopulmonary arrest	lung cancer	renal failure
1	1	1
NA's		
304		

age_at_diagnosis:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.
20.00	38.00	46.00	48.27	56.50	88.00

admin.bcr:

nationwide children's hospital
307

admin.day_of_dcc_upload:

1
307

admin.disease_code:

cesc
307

admin.month_of_dcc_upload:

10
307

admin.patient_withdrawal.withdrawn:

false
307

admin.project_code:

tcga
307

admin.year_of_dcc_upload:

2015
307

patient.age_at_initial_pathologic_diagnosis:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.
20.00	38.00	46.00	48.27	56.50	88.00

patient.age_began_smoking_in_years:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
11.00	16.00	18.00	21.14	24.00	44.00	222

patient.birth_control_pill_history_usage_category:

current user	former user	never used	NA's
15	54	90	148

patient.cervical_carcinoma_corpus_uteri_involvement_indicator:

absent	present	NA's
99	19	189

patient.clinical_cqcf.consent_or_death_status:

consented	deceased
275	32

patient.clinical_cqcf.days_to_consent:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
-334.00	0.00	6.00	140.61	30.75	5560.00	37

patient.clinical_cqcf.days_to_death:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
14.0	403.0	678.5	1165.4	1558.5	4086.0	275

patient.clinical_cqcf.history_of_neoadjuvant_treatment:

no
307

patient.clinical_cqcf.normal_tissue_anatomic_site:

fallopian tube	myometrium	other	uterus	NA's
1	2	2	6	296

patient.clinical_cqcf.normal_tissue_proximity:

distal (>2cm)	NA's
13	294

patient.clinical_cqcf.tumor_type:

primary
307

patient.day_of_form_completion:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.
1.00	6.00	16.00	14.76	22.00	31.00

```

patient.days_to_birth:
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.    NA's
-32500 -20714 -17020 -17779 -14162  -7649     2

patient.days_to_death:
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.    NA's
  14.0  353.8  593.0  899.5 1069.5 4086.0  247

patient.days_to_diagnostic_computed_tomography_performed:
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.    NA's
-54.00  1.00  9.00  17.41  20.00 316.00  238

patient.days_to_diagnostic_mri_performed:
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.    NA's
 -2.00  1.75  12.00  65.10  19.25 519.00  297

patient.days_to_fdg_or_ct_pet_performed:
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.    NA's
-11.00  5.50  18.00  37.79  39.50 521.00  264

patient.days_to_initial_pathologic_diagnosis:
  0
307

patient.days_to_last_followup:
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.    NA's
  0.0  36.0  186.0  676.1  919.5 5957.0  60

patient.days_to_performance_status_assessment:
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.    NA's
-334.00  0.00  6.00  42.32  36.50 875.00  144

patient.diagnostic_ct_result_outcomes.diagnostic_ct_result_outcome.4:
paraaortic nodes absent    pelvic nodes absent    pelvic nodes present
                        43                                5                                2
supraclavicular absent    NA's
                        1                                256

patient.diagnostic_ct_result_outcomes.diagnostic_ct_result_outcome.5:
  pelvic nodes absent    pelvic nodes present    supraclavicular absent
                        40                                6                                2
                        NA's
                        259

patient.diagnostic_ct_result_outcomes.diagnostic_ct_result_outcome.6:
supraclavicular absent    NA's
                        40                                267

```

```

patient.diagnostic_mri_result_outcomes.diagnostic_mri_result_outcome:
      bladder absent      extra-pelvic metastatic disease absent
      10                  1
extra-pelvic metastatic disease present      pelvic nodes present
      1                  1
      NA's
      294

```

```

patient.diagnostic_mri_result_outcomes.diagnostic_mri_result_outcome.2:
extra-pelvic metastatic disease absent      parametrium absent
      9                                      1
      NA's
      297

```

```

patient.diagnostic_mri_result_outcomes.diagnostic_mri_result_outcome.3:
parametrium absent      NA's
      11                296

```

```

patient.diagnostic_mri_result_outcomes.diagnostic_mri_result_outcome.4:
paraortic nodes absent      NA's
      10                    297

```

```

patient.diagnostic_mri_result_outcomes.diagnostic_mri_result_outcome.5:
  pelvic nodes absent pelvic nodes present      NA's
      9                2                296

```

```

patient.diagnostic_mri_result_outcomes.diagnostic_mri_result_outcome.6:
supraclavicular absent      NA's
      9                    298

```

```

patient.drugs.drug.2.clinical_trail_drug_classification:
5-flurouracil      NA's
      1            306

```

```

patient.drugs.drug.2.day_of_form_completion:
  Min. 1st Qu.  Median    Mean 3rd Qu.  Max.  NA's
  5.00  13.00   19.00   18.45  24.00  31.00  276

```

```

patient.drugs.drug.2.days_to_drug_therapy_end:
  Min. 1st Qu.  Median    Mean 3rd Qu.  Max.  NA's
  26.0  107.0   155.0   255.8  314.5   800.0  280

```

```

patient.drugs.drug.2.days_to_drug_therapy_start:
  Min. 1st Qu.  Median    Mean 3rd Qu.  Max.  NA's
  5.00  62.75   91.50   212.37  231.25 1036.00  277

```

```

patient.drugs.drug.2.measure_of_response:
clinical progressive disease      complete response
      5                          12

```


	partial response		stable disease
	1		1
	NA's		
	288		

patient.drugs.drug.2.month_of_form_completion:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1.000	3.000	7.000	6.161	8.500	12.000	276

patient.drugs.drug.2.number_cycles:

1	2	4	6	NA's
1	1	1	1	303

patient.drugs.drug.2.prescribed_dose:

40	60	1000	14000	NA's
1	1	1	1	303

patient.drugs.drug.2.prescribed_dose_units:

mg	mg/m2	mg/m2/wk	NA's
1	2	1	303

patient.drugs.drug.2.regimen_indication:

adjuvant	other: specify in notes	progression
3	3	1
NA's		
300		

patient.drugs.drug.2.regimen_indication_notes:

metastatic	stable/persistent	NA's
2	1	304

patient.drugs.drug.2.regimen_number:

1	2	4	NA's
3	2	2	300

patient.drugs.drug.2.route_of_administrations.route_of_administration:

intravenous (iv)	oral	NA's
6	1	300

patient.drugs.drug.2.therapy_ongoing:

no	NA's
31	276

patient.drugs.drug.2.therapy_types.therapy_type:

ancillary	chemotherapy	NA's
1	30	276

patient.drugs.drug.2.total_dose:

200	7080	14000	NA's
1	1	1	304

patient.drugs.drug.2.total_dose_units:

```

mg NA's
3 304

patient.drugs.drug.2.tx_on_clinical_trial:
no yes NA's
23 1 283

patient.drugs.drug.2.year_of_form_completion:
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
2011 2012 2013 2013 2014 2015 276

patient.drugs.drug.3.clinical_trial_drug_classification:
amifostine NA's
1 306

patient.drugs.drug.3.day_of_form_completion:
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
9.00 14.00 19.00 18.86 24.00 28.00 293

patient.drugs.drug.3.days_to_drug_therapy_end:
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
16.0 134.0 211.0 317.3 489.0 800.0 294

patient.drugs.drug.3.days_to_drug_therapy_start:
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
5.0 46.0 122.0 215.4 330.5 784.0 293

patient.drugs.drug.3.measure_of_response:
clinical progressive disease complete response
3 4
stable disease NA's
2 298

patient.drugs.drug.3.month_of_form_completion:
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
1.000 3.000 7.500 6.714 9.750 12.000 293

patient.drugs.drug.3.number_cycles:
2 5 NA's
1 1 305

patient.drugs.drug.3.prescribed_dose:
1.7 150 NA's
1 1 305

patient.drugs.drug.3.prescribed_dose_units:
auc mg NA's
1 1 305

```

```

patient.drugs.drug.3.regimen_indication:
  adjuvant progression      NA's
      1          1          305

patient.drugs.drug.3.regimen_number:
  1      4 NA's
  1      1 305

patient.drugs.drug.3.route_of_administrations.route_of_administration:
intravenous (iv)           NA's
      1                   306

patient.drugs.drug.3.therapy_ongoing:
  no  yes NA's
  13   1 293

patient.drugs.drug.3.therapy_types.therapy_type:
chemotherapy              NA's
      14                 293

patient.drugs.drug.3.total_dose:
  400  750 NA's
      1   1 305

patient.drugs.drug.3.total_dose_units:
  mg NA's
      2 305

patient.drugs.drug.3.tx_on_clinical_trial:
  no  yes NA's
  10   2 295

patient.drugs.drug.3.year_of_form_completion:
2011 2012 2013 2014 NA's
      1   4   4   5 293

patient.drugs.drug.4.day_of_form_completion:
  Min. 1st Qu.  Median    Mean 3rd Qu.  Max.  NA's
   3.00  13.00  14.00  16.14  23.00  24.00  300

patient.drugs.drug.4.days_to_drug_therapy_end:
  Min. 1st Qu.  Median    Mean 3rd Qu.  Max.  NA's
 211.0  282.8  429.0  403.2  497.2  596.0  301

patient.drugs.drug.4.days_to_drug_therapy_start:
  Min. 1st Qu.  Median    Mean 3rd Qu.  Max.  NA's
 135.0  249.5  320.0  299.0  357.5  423.0  301

patient.drugs.drug.4.measure_of_response:

```

clinical progressive disease	1	complete response	2
stable disease	2	NA's	302

patient.drugs.drug.4.month_of_form_completion:						
Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1.000	3.500	8.000	6.857	10.000	12.000	300

patient.drugs.drug.4.number_cycles:		
3	14	NA's
1	1	305

patient.drugs.drug.4.prescribed_dose:	
1000	NA's
1	306

patient.drugs.drug.4.prescribed_dose_units:	
mg	NA's
1	306

patient.drugs.drug.4.regimen_indication:		
adjuvant	recurrence	NA's
1	1	305

patient.drugs.drug.4.regimen_number:		
1	2	NA's
1	1	305

patient.drugs.drug.4.route_of_administrations.route_of_administration:		
intravenous (iv)		NA's
1		306

patient.drugs.drug.4.therapy_ongoing:	
no	NA's
7	300

patient.drugs.drug.4.therapy_types.therapy_type:		
chemotherapy		NA's
7		300

patient.drugs.drug.4.total_dose:	
14600	NA's
1	306

patient.drugs.drug.4.total_dose_units:	
mg	NA's
1	306

patient.drugs.drug.4.tx_on_clinical_trial:	
no	NA's
5	302

patient.drugs.drug.4.year_of_form_completion:

2011 2012 2013 2014 NA's
 1 3 2 1 300

patient.drugs.drug.5.bcr_drug_barcode:

tcga-c5-alm6-d33211 tcga-ds-aloa-d15318 tcga-ds-alob-d20935 tcga-ea-a44s-d49907
 1 1 1 1
 NA's
 303

patient.drugs.drug.5.bcr_drug_uuid:

1c316e84-6ca7-434f-be32-6a8aee5b89a9 37fc5233-bcca-45aa-bcc1-7312562622ac
 1 1
 7a4f7393-7b23-4a22-a621-ac7a98c0ab8f c564de36-51a0-4f7b-ae3d-900803489e96
 1 1
 NA's
 303

patient.drugs.drug.5.day_of_form_completion:

12 14 22 24 NA's
 1 1 1 1 303

patient.drugs.drug.5.days_to_drug_therapy_end:

369 489 710 786 NA's
 1 1 1 1 303

patient.drugs.drug.5.days_to_drug_therapy_start:

299 341 675 758 NA's
 1 1 1 1 303

patient.drugs.drug.5.drug_name:

bleomycin carboplatin gemzar hydrocortisone NA's
 1 1 1 1 303

patient.drugs.drug.5.measure_of_response:

clinical progressive disease stable disease
 1 1
 NA's
 305

patient.drugs.drug.5.month_of_form_completion:

1 6 8 10 NA's
 1 1 1 1 303

patient.drugs.drug.5.number_cycles:

3 6 NA's
 1 1 305

patient.drugs.drug.5.prescribed_dose:

1.5 1200 NA's
 1 1 305

patient.drugs.drug.5.prescribed_dose_units:

auc	mg	NA's
1	1	305

patient.drugs.drug.5.regimen_indication:

progression	recurrence	NA's
1	1	305

patient.drugs.drug.5.regimen_number:

2	5	NA's
1	1	305

patient.drugs.drug.5.route_of_administrations.route_of_administration:

intravenous (iv)	NA's
1	306

patient.drugs.drug.5.therapy_ongoing:

no	NA's
4	303

patient.drugs.drug.5.therapy_types.therapy_type:

chemotherapy	hormone therapy	NA's
3	1	303

patient.drugs.drug.5.total_dose:

1008	3600	NA's
1	1	305

patient.drugs.drug.5.total_dose_units:

mg	NA's
2	305

patient.drugs.drug.5.tx_on_clinical_trial:

no	NA's
2	305

patient.drugs.drug.5.year_of_form_completion:

2011	2012	2013	NA's
1	2	1	303

patient.drugs.drug.6.bcr_drug_barcode:

tcga-ds-alob-d20936	NA's
1	306

patient.drugs.drug.6.bcr_drug_uuid:

4a846040-97b3-454e-a090-73d8365e21cf	NA's
1	306

patient.drugs.drug.6.day_of_form_completion:

24	NA's
1	306

```
patient.drugs.drug.6.days_to_drug_therapy_end:  
710 NA's  
1 306
```

```
patient.drugs.drug.6.days_to_drug_therapy_start:  
675 NA's  
1 306
```

```
patient.drugs.drug.6.drug_name:  
taxol NA's  
1 306
```

```
patient.drugs.drug.6.month_of_form_completion:  
1 NA's  
1 306
```

```
patient.drugs.drug.6.number_cycles:  
6 NA's  
1 306
```

```
patient.drugs.drug.6.prescribed_dose:  
60 NA's  
1 306
```

```
patient.drugs.drug.6.prescribed_dose_units:  
mg/m2 NA's  
1 306
```

```
patient.drugs.drug.6.regimen_indication:  
recurrence NA's  
1 306
```

```
patient.drugs.drug.6.regimen_number:  
2 NA's  
1 306
```

```
patient.drugs.drug.6.route_of_administrations.route_of_administration:  
intravenous (iv) NA's  
1 306
```

```
patient.drugs.drug.6.therapy_ongoing:  
no NA's  
1 306
```

```
patient.drugs.drug.6.therapy_types.therapy_type:  
chemotherapy NA's  
1 306
```

```
patient.drugs.drug.6.total_dose:  
660 NA's  
1 306
```

patient.drugs.drug.6.total_dose_units:

mg NA's
1 306

patient.drugs.drug.6.year_of_form_completion:

2012 NA's
1 306

patient.drugs.drug.7.bcr_drug_barcode:

tcga-ds-alob-d20937 NA's
1 306

patient.drugs.drug.7.bcr_drug_uuid:

e42b0f05-014e-43da-b1f9-063b4e5e0c28 NA's
1 306

patient.drugs.drug.7.day_of_form_completion:

24 NA's
1 306

patient.drugs.drug.7.days_to_drug_therapy_end:

765 NA's
1 306

patient.drugs.drug.7.days_to_drug_therapy_start:

745 NA's
1 306

patient.drugs.drug.7.drug_name:

gemzar NA's
1 306

patient.drugs.drug.7.month_of_form_completion:

1 NA's
1 306

patient.drugs.drug.7.number_cycles:

4 NA's
1 306

patient.drugs.drug.7.prescribed_dose:

300 NA's
1 306

patient.drugs.drug.7.prescribed_dose_units:

mg NA's
1 306

patient.drugs.drug.7.regimen_indication:

progression NA's
1 306

patient.drugs.drug.7.regimen_number:

3 NA's
1 306

patient.drugs.drug.7.route_of_administrations.route_of_administration:

intravenous (iv) NA's
1 306

patient.drugs.drug.7.therapy_ongoing:

no NA's
1 306

patient.drugs.drug.7.therapy_types.therapy_type:

chemotherapy NA's
1 306

patient.drugs.drug.7.total_dose:

1500 NA's
1 306

patient.drugs.drug.7.total_dose_units:

mg NA's
1 306

patient.drugs.drug.7.year_of_form_completion:

2012 NA's
1 306

patient.drugs.drug.clinical_trail_drug_classification:

cisplatinum n/a NA's
1 2 304

patient.drugs.drug.day_of_form_completion:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1.00	11.00	14.00	15.96	24.00	31.00	166

patient.drugs.drug.days_to_drug_therapy_end:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
26.0	78.5	106.0	143.5	148.2	968.0	187

patient.drugs.drug.days_to_drug_therapy_start:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
2.0	42.5	67.0	111.2	94.5	1666.0	172

patient.drugs.drug.measure_of_response:

clinical progressive disease	complete response
	12
partial response	stable disease
	57

7 3
 NA's
 228

patient.drugs.drug.month_of_form_completion:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 1.000 4.000 7.000 6.312 9.000 12.000 166

patient.drugs.drug.number_cycles:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 1.00 4.75 6.00 5.20 6.00 8.00 287

patient.drugs.drug.prescribed_dose:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 10.0 40.0 50.0 111.5 70.0 588.0 293

patient.drugs.drug.prescribed_dose_units:
 mg mg/m2 mg/m2/day mg/m2/wk NA's
 7 4 1 2 293

patient.drugs.drug.regimen_indication:
 adjuvant other: specify in notes progression
 21 1 1
 recurrence NA's
 5 279

patient.drugs.drug.regimen_indication_notes:
 stable/persistent NA's
 1 306

patient.drugs.drug.regimen_number:
 1 2 3 NA's
 25 2 1 279

patient.drugs.drug.route_of_administrations.route_of_administration:
 intravenous (iv) NA's
 26 281

patient.drugs.drug.therapy_ongoing:
 no yes NA's
 137 1 169

patient.drugs.drug.therapy_types.therapy_type:
 chemotherapy NA's
 139 168

patient.drugs.drug.total_dose:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 70.0 277.5 350.0 612.7 393.5 3528.0 296

patient.drugs.drug.total_dose_units:
 mg NA's

11 296

patient.drugs.drug.tx_on_clinical_trial:

no	yes	NA's
95	12	200

patient.drugs.drug.year_of_form_completion:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
2011	2012	2014	2013	2014	2015	166

patient.eastern_cancer_oncology_group:

0	1	2	4	NA's
80	84	10	1	132

patient.ectopic_pregnancy_count:

0	1	2	NA's
104	11	1	191

patient.ethnicity:

hispanic or latino	not hispanic or latino	NA's
	24	171
		112

patient.fdg_or_ct_pet_performed_outcomes.fdg_or_ct_pet_performed_outcome.2:

extra-pelvic metastatic disease absent	extra-pelvic metastatic disease present
	20
parametrium absent	pelvic nodes present
	2
	NA's
	279

patient.fdg_or_ct_pet_performed_outcomes.fdg_or_ct_pet_performed_outcome.3:

paraaortic nodes absent	paraaortic nodes present	parametrium absent
	2	1
parametrium present		22
	1	NA's
		281

patient.fdg_or_ct_pet_performed_outcomes.fdg_or_ct_pet_performed_outcome.4:

paraaortic nodes absent	paraaortic nodes present	pelvic nodes absent
	23	1
pelvic nodes present		2
	1	NA's
		280

patient.fdg_or_ct_pet_performed_outcomes.fdg_or_ct_pet_performed_outcome.5:

pelvic nodes absent	pelvic nodes present	supraclavicular absent
	18	7
	NA's	3
	279	

patient.fdg_or_ct_pet_performed_outcomes.fdg_or_ct_pet_performed_outcome.6:

supraclavicular absent	NA's
	23
	284

```

patient.female_breast_feeding_or_pregnancy_status_indicator:
  no NA's
  72 235

patient.follow_ups.follow_up.2.additional_pharmaceutical_therapy:
  no NA's
  1 306

patient.follow_ups.follow_up.2.additional_radiation_therapy:
  no NA's
  1 306

patient.follow_ups.follow_up.2.additional_treatment_completion_success_outcome:
  complete response      partial response progressive disease      NA's
  58                      1                      3                      245

patient.follow_ups.follow_up.2.day_of_form_completion:
  Min. 1st Qu.  Median    Mean 3rd Qu.  Max.  NA's
  3.00 10.00 17.00 16.93 26.00 31.00 226

patient.follow_ups.follow_up.2.days_to_additional_surgery_metastatic_procedure:
1152 NA's
  1 306

patient.follow_ups.follow_up.2.days_to_death:
1011 1372 2052 NA's
  1 1 1 304

patient.follow_ups.follow_up.2.days_to_last_followup:
  Min. 1st Qu.  Median    Mean 3rd Qu.  Max.  NA's
  81 730 1106 1416 1762 6375 242

patient.follow_ups.follow_up.2.days_to_new_tumor_event_after_initial_treatment:
1124 NA's
  1 306

patient.follow_ups.follow_up.2.days_to_performance_status_assessment:
  Min. 1st Qu.  Median    Mean 3rd Qu.  Max.  NA's
  81.0 430.5 644.0 1346.0 1259.0 6369.0 297

patient.follow_ups.follow_up.2.death_cause_text:
cardiopulmonary arrest      NA's
  1                      306

patient.follow_ups.follow_up.2.eastern_cancer_oncology_group:
  0 1 3 NA's
 11 1 1 294

patient.follow_ups.follow_up.2.followup_case_report_form_submission_reason:

```

additional new tumor event NA's
1 306

patient.follow_ups.follow_up.2.lost_follow_up:
no yes NA's
61 16 230

patient.follow_ups.follow_up.2.month_of_form_completion:
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
1.000 3.000 3.000 5.593 9.000 12.000 226

patient.follow_ups.follow_up.2.new_neoplasm_event_occurrence_anatomic_site:
other, specify NA's
1 306

patient.follow_ups.follow_up.2.new_neoplasm_event_post_initial_therapy_diagnosis:
tumor resection NA's
1 306

patient.follow_ups.follow_up.2.new_neoplasm_event_type:
distant metastasis NA's
1 306

patient.follow_ups.follow_up.2.new_neoplasm_occurrence_anatomic_site_text:
vagina NA's
1 306

patient.follow_ups.follow_up.2.new_tumor_event_after_initial_treatment:
yes NA's
1 306

patient.follow_ups.follow_up.2.new_tumor_events.new_tumor_event.2.additional_pharmacologic_treatment:
no NA's
1 306

patient.follow_ups.follow_up.2.new_tumor_events.new_tumor_event.2.additional_radiation_treatment:
no NA's
1 306

patient.follow_ups.follow_up.2.new_tumor_events.new_tumor_event.2.days_to_new_tumor_event:
1707 NA's
1 306

patient.follow_ups.follow_up.2.new_tumor_events.new_tumor_event.2.days_to_new_tumor_event_text:
1638 NA's
1 306

patient.follow_ups.follow_up.2.new_tumor_events.new_tumor_event.2.new_neoplasm_event_occurrence_anatomic_site:
other, specify NA's
1 306

patient.follow_ups.follow_up.2.new_tumor_events.new_tumor_event.2.new_neoplasm_event_post_initial_therapy_diagnosis:

tumor resection		NA's		
	1		306	
patient.follow_ups.follow_up.2.new_tumor_events.new_tumor_event.2.new_neoplasm_e				
locoregional recurrence		NA's		
	1		306	
patient.follow_ups.follow_up.2.new_tumor_events.new_tumor_event.2.new_tumor_event				
yes NA's				
	1		306	
patient.follow_ups.follow_up.2.new_tumor_events.new_tumor_event.2.residual_disease				
r0 NA's				
	1		306	
patient.follow_ups.follow_up.2.new_tumor_events.new_tumor_event.additional_pharm				
no yes NA's				
	2	2	303	
patient.follow_ups.follow_up.2.new_tumor_events.new_tumor_event.additional_radiat				
no yes NA's				
	3	1	303	
patient.follow_ups.follow_up.2.new_tumor_events.new_tumor_event.days_to_new_tumor				
799 907 NA's				
	1	1	305	
patient.follow_ups.follow_up.2.new_tumor_events.new_tumor_event.days_to_new_tumor				
456 675 778 868 NA's				
	1	1	1	1
				303
patient.follow_ups.follow_up.2.new_tumor_events.new_tumor_event.new_neoplasm_eve				
lung other, specify		NA's		
	1		3	303
patient.follow_ups.follow_up.2.new_tumor_events.new_tumor_event.new_neoplasm_eve				
cytology tumor resection		NA's		
	1		1	305
patient.follow_ups.follow_up.2.new_tumor_events.new_tumor_event.new_neoplasm_eve				
distant metastasis locoregional recurrence		NA's		
	3		1	303
patient.follow_ups.follow_up.2.new_tumor_events.new_tumor_event.new_neoplasm_occ				
mediastinal lymph nodes retroperitoneal		NA's		
	1		1	305
patient.follow_ups.follow_up.2.new_tumor_events.new_tumor_event.new_tumor_event				
no yes NA's				
	2	2	303	
patient.follow_ups.follow_up.2.new_tumor_events.new_tumor_event.residual_disease				

```

r0 NA's
  2 305

patient.follow_ups.follow_up.2.new_tumor_events.new_tumor_event_after_initial_tr
no yes NA's
56  4 247

patient.follow_ups.follow_up.2.patient_death_reason:
other, specify          NA's
                        1          306

patient.follow_ups.follow_up.2.performance_status_assessment_timepoint_category_
                        at hospiace
                        1
endocrinology and metabolism clinical note
                        1
                        follow-up
                        2
                        follow-up visit
                        2
                        NA's
                        301

patient.follow_ups.follow_up.2.performance_status_scale_timing:
                        other post-adjuvant therapy pre-adjuvant therapy
                        7                          4                          1
preoperative                          NA's
1                                      294

patient.follow_ups.follow_up.2.person_neoplasm_cancer_status:
tumor free with tumor          NA's
53          7          247

patient.follow_ups.follow_up.2.postoperative_rx_tx:
no yes NA's
26  37 244

patient.follow_ups.follow_up.2.primary_therapy_outcome_success:
complete remission/response    partial remission/response
                        52                          1
progressive disease            stable disease
                        1                          1
                        NA's
                        252

patient.follow_ups.follow_up.2.radiation_therapy:
no yes NA's
11  50 246

patient.follow_ups.follow_up.2.residual_disease_post_new_tumor_event_margin_stat
rx NA's
1  306

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patient.follow_ups.follow_up.2.treatment.concurrent_rx_tx_info.chemotherapy_negat
not done per treating physicians discretion

1
NA's
306

patient.follow_ups.follow_up.2.treatment.concurrent_rx_tx_info.concurrent_rx_tx.

3 4 5 NA's
1 1 4 301

patient.follow_ups.follow_up.2.treatment.concurrent_rx_tx_info.concurrent_rx_tx.

carboplatin cisplatin NA's
1 6 300

patient.follow_ups.follow_up.2.treatment.concurrent_rx_tx_info.concurrent_rx_tx.

30mg/dose 40 mg/m2 570 68 NA's
1 1 1 1 303

patient.follow_ups.follow_up.2.treatment.concurrent_rx_tx_info.concurrent_rx_tx.

once weekly NA's
6 301

patient.follow_ups.follow_up.2.treatment.concurrent_rx_tx_info.targeted_molecula

no yes NA's
7 7 293

patient.follow_ups.follow_up.2.treatment.postoperative_rx_tx:

no yes NA's
26 37 244

patient.follow_ups.follow_up.2.treatment.radiation_therapy:

no yes NA's
11 50 246

patient.follow_ups.follow_up.2.treatment.radiation_therapy_info.brachytherapy_fi

40 4000 NA's
1 1 305

patient.follow_ups.follow_up.2.treatment.radiation_therapy_info.brachytherapy_me

hdr ldr NA's
1 1 305

patient.follow_ups.follow_up.2.treatment.radiation_therapy_info.external_beam_ra

4500 NA's
1 306

patient.follow_ups.follow_up.2.treatment.radiation_therapy_info.rt_administered_

external beam radiation NA's

6 301

patient.follow_ups.follow_up.2.treatment.radiation_therapy_info.rt_pelvis_admini

3740 3770 4500 5500 NA's
 1 1 2 1 302

patient.follow_ups.follow_up.2.vital_status:
 alive dead NA's
 65 3 239

patient.follow_ups.follow_up.2.year_of_form_completion:
 2012 2013 2014 2015 NA's
 1 7 38 35 226

patient.follow_ups.follow_up.3.additional_pharmaceutical_therapy:
 no NA's
 1 306

patient.follow_ups.follow_up.3.additional_radiation_therapy:
 yes NA's
 1 306

patient.follow_ups.follow_up.3.additional_treatment_completion_success_outcome:
 complete response partial response progressive disease stable disease
 5 1 1 1
 NA's
 299

patient.follow_ups.follow_up.3.adjuvant_rad_therapy_prior_admin:
 no NA's
 1 306

patient.follow_ups.follow_up.3.day_of_form_completion:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 7.00 9.75 10.50 16.50 26.50 31.00 299

patient.follow_ups.follow_up.3.days_to_death:
 2052 NA's
 1 306

patient.follow_ups.follow_up.3.days_to_last_followup:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 376.0 680.5 1122.0 1043.9 1324.0 1800.0 300

patient.follow_ups.follow_up.3.days_to_new_tumor_event_after_initial_treatment:
 693 NA's
 1 306

patient.follow_ups.follow_up.3.days_to_performance_status_follow_up_score:
 14 NA's
 1 306

patient.follow_ups.follow_up.3.eastern_cancer_oncology_group:

1 NA's
1 306

patient.follow_ups.follow_up.3.followup_case_report_form_submission_reason:
scheduled follow-up submission NA's
1 306

patient.follow_ups.follow_up.3.lost_follow_up:
no yes NA's
6 1 300

patient.follow_ups.follow_up.3.month_of_form_completion:
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
3.00 3.00 3.50 5.25 6.50 12.00 299

patient.follow_ups.follow_up.3.new_neoplasm_event_occurrence_anatomic_site:
other, specify NA's
1 306

patient.follow_ups.follow_up.3.new_neoplasm_event_post_initial_therapy_diagnosis:
tumor resection NA's
1 306

patient.follow_ups.follow_up.3.new_neoplasm_event_type:
distant metastasis NA's
1 306

patient.follow_ups.follow_up.3.new_neoplasm_occurrence_anatomic_site_text:
regional recurrence nos NA's
1 306

patient.follow_ups.follow_up.3.new_tumor_event_after_initial_treatment:
yes NA's
1 306

patient.follow_ups.follow_up.3.new_tumor_events.new_tumor_event.additional_pharm:
no NA's
1 306

patient.follow_ups.follow_up.3.new_tumor_events.new_tumor_event.additional_radia:
no NA's
1 306

patient.follow_ups.follow_up.3.new_tumor_events.new_tumor_event.days_to_new_tumo:
601 1360 NA's
1 1 305

patient.follow_ups.follow_up.3.new_tumor_events.new_tumor_event.new_neoplasm_eve:
other, specify NA's
2 305

patient.follow_ups.follow_up.3.new_tumor_events.new_tumor_event.new_neoplasm_eve:

distant metastasis		NA's	
	2	305	

patient.follow_ups.follow_up.3.new_tumor_events.new_tumor_event.new_neoplasm_occurrence			
brain supraclavicular lymph nodes	1	1	
	NA's		
	305		

patient.follow_ups.follow_up.3.new_tumor_events.new_tumor_event.new_tumor_event_type			
no yes NA's			
1 1	305		

patient.follow_ups.follow_up.3.new_tumor_events.new_tumor_event_after_initial_treatment			
no yes NA's			
4 2	301		

patient.follow_ups.follow_up.3.patient_death_reason:			
cervical cancer		NA's	
1	306		

patient.follow_ups.follow_up.3.performance_status_scale_timing:			
preoperative		NA's	
1	306		

patient.follow_ups.follow_up.3.person_neoplasm_cancer_status:			
tumor free with tumor		NA's	
5 3	299		

patient.follow_ups.follow_up.3.postoperative_rx_tx:			
no yes NA's			
2 5	300		

patient.follow_ups.follow_up.3.primary_therapy_outcome_success:			
complete remission/response		NA's	
8	299		

patient.follow_ups.follow_up.3.radiation_supplemental.chemotherapy_negation_radiation			
not done per treating physicians discretion		1	
		NA's	
		306	

patient.follow_ups.follow_up.3.radiation_supplemental.targeted_molecular_therapy			
no NA's			
1	306		

patient.follow_ups.follow_up.3.radiation_therapy:			
no yes NA's			
1 7	299		

patient.follow_ups.follow_up.3.radiation_therapy_not_administered_reason:			
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not done per treating physician discretion

1
NA's
306

patient.follow_ups.follow_up.3.targeted_molecular_therapy:

no NA's
1 306

patient.follow_ups.follow_up.3.treatment.concurrent_rx_tx_info.targeted_molecula

no NA's
1 306

patient.follow_ups.follow_up.3.treatment.postoperative_rx_tx:

no yes NA's
2 5 300

patient.follow_ups.follow_up.3.treatment.radiation_therapy:

yes NA's
7 300

patient.follow_ups.follow_up.3.treatment.radiation_therapy_info.rt_administered
external beam radiation

1 NA's
306

patient.follow_ups.follow_up.3.treatment.radiation_therapy_info.rt_pelvis_admini
3740 NA's

1 306

patient.follow_ups.follow_up.3.vital_status:

alive dead NA's
7 1 299

patient.follow_ups.follow_up.3.year_of_form_completion:

2012 2014 2015 NA's
1 2 5 299

patient.follow_ups.follow_up.4.additional_treatment_completion_success_outcome:

complete response NA's
2 305

patient.follow_ups.follow_up.4.bcr_followup_barcode:

tcga-vs-a9ua-f70278 tcga-vs-a9uq-f72391 NA's
1 1 305

patient.follow_ups.follow_up.4.bcr_followup_uuid:

3e210d28-e4be-41af-9d53-51888b9c7751 8358ce9c-a187-49f4-9da0-3a88ce73a887
1 1
NA's
305

patient.follow_ups.follow_up.4.day_of_form_completion:

3 11 NA's
1 1 305

patient.follow_ups.follow_up.4.days_to_last_followup:
867 1263 NA's
1 1 305

patient.follow_ups.follow_up.4.lost_follow_up:
no NA's
2 305

patient.follow_ups.follow_up.4.month_of_form_completion:
2 6 NA's
1 1 305

patient.follow_ups.follow_up.4.new_tumor_events.new_tumor_event_after_initial_tr
no NA's
2 305

patient.follow_ups.follow_up.4.person_neoplasm_cancer_status:
tumor free NA's
2 305

patient.follow_ups.follow_up.4.postoperative_rx_tx:
no yes NA's
1 1 305

patient.follow_ups.follow_up.4.primary_therapy_outcome_success:
complete remission/response NA's
2 305

patient.follow_ups.follow_up.4.radiation_therapy:
yes NA's
2 305

patient.follow_ups.follow_up.4.treatment.postoperative_rx_tx:
no yes NA's
1 1 305

patient.follow_ups.follow_up.4.treatment.radiation_therapy:
yes NA's
2 305

patient.follow_ups.follow_up.4.vital_status:
alive NA's
2 305

patient.follow_ups.follow_up.4.year_of_form_completion:
2015 NA's
2 305

patient.follow_ups.follow_up.additional_pharmaceutical_therapy:

no	yes	NA's
3	9	295

patient.follow_ups.follow_up.additional_radiation_therapy:

no	yes	NA's
9	3	295

patient.follow_ups.follow_up.additional_treatment_completion_success_outcome:

complete response	partial response	progressive disease	stable disease
160	5	27	4
NA's			
111			

patient.follow_ups.follow_up.adjuvant_rad_therapy_prior_admin:

no	yes	NA's
12	34	261

patient.follow_ups.follow_up.agent_total_dose_count:

3	4	5	6	NA's
1	2	3	10	291

patient.follow_ups.follow_up.brachytherapy_administered_status:

completed as planned	treatment not completed	NA's
19	1	287

patient.follow_ups.follow_up.brachytherapy_first_reference_point_administered_to

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
60	1000	1200	2705	2400	8867	302

patient.follow_ups.follow_up.brachytherapy_method_type:

hdr	ldr	NA's
19	1	287

patient.follow_ups.follow_up.chemotherapy_regimen_types.chemotherapy_regimen_type

carboplatin	cisplatin	other	NA's
3	18	1	285

patient.follow_ups.follow_up.chemotherapy_regimen_types.chemotherapy_regimen_type

other	NA's
2	305

patient.follow_ups.follow_up.day_of_form_completion:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1.00	8.75	13.00	14.42	23.00	31.00	59

patient.follow_ups.follow_up.days_to_brachytherapy_begin_occurrence:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
13.00	35.25	66.50	63.25	78.25	171.00	287

```

patient.follow_ups.follow_up.days_to_brachytherapy_end_occurrence:
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.    NA's
  35.00   74.25   95.00   99.50  118.75   186.00    289

patient.follow_ups.follow_up.days_to_chemotherapy_end:
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.    NA's
  65.00   85.25  101.00  118.31  135.00   332.00    291

patient.follow_ups.follow_up.days_to_chemotherapy_start:
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.    NA's
   8.00   38.75   66.50   70.25   81.75   252.00    287

patient.follow_ups.follow_up.days_to_death:
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.    NA's
  14.0   270.5   638.0   855.2  1100.5  3046.0    272

patient.follow_ups.follow_up.days_to_last_followup:
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.    NA's
   0.0   411.5   619.0  1067.7  1275.0  6408.0    104

patient.follow_ups.follow_up.days_to_new_tumor_event_after_initial_treatment:
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.    NA's
  62.0   281.5   417.5   612.8   690.2  1804.0    295

patient.follow_ups.follow_up.days_to_performance_status_assessment:
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.    NA's
 -71.0   84.5   444.0   523.2   736.0  5957.0    216

patient.follow_ups.follow_up.days_to_performance_status_follow_up_score:
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.    NA's
 -273.0   26.5   79.5   243.8   212.2  1479.0    281

patient.follow_ups.follow_up.death_cause_text:
  lung cancer renal failure    NA's
           1           1           305

patient.follow_ups.follow_up.dose_frequency_text:
  once weekly    NA's
           14           293

patient.follow_ups.follow_up.eastern_cancer_oncology_group:
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.    NA's
  0.0000  0.0000  0.0000  0.3852  1.0000  4.0000    185

patient.follow_ups.follow_up.followup_case_report_form_submission_reason:
  additional new tumor event scheduled follow-up submission
           1           49
           NA's
           257

patient.follow_ups.follow_up.lost_follow_up:
  no  yes NA's

```

156 41 110

patient.follow_ups.follow_up.month_of_form_completion:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 1.000 4.000 7.000 6.891 10.000 12.000 59

patient.follow_ups.follow_up.new_neoplasm_event_occurrence_anatomic_site:
 head and neck lung other, specify NA's
 1 3 5 298

patient.follow_ups.follow_up.new_neoplasm_event_post_initial_therapy_diagnosis_m
 ct ct/core biopsy
 4 1
 fine needle aspiration biopsy pet, needle biopsy
 1 1
 NA's
 300

patient.follow_ups.follow_up.new_neoplasm_event_post_initial_therapy_diagnosis_m
 other, specify tumor resection NA's
 8 1 298

patient.follow_ups.follow_up.new_neoplasm_event_type:
 distant metastasis locoregional recurrence NA's
 10 1 296

patient.follow_ups.follow_up.new_tumor_event_after_initial_treatment:
 no yes NA's
 36 12 259

patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.2.additional_pharm
 no yes NA's
 2 3 302

patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.2.additional_radia
 no yes NA's
 3 1 303

patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.2.days_to_new_tumo
 1707 NA's
 1 306

patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.2.days_to_new_tumo
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 321 396 574 848 1311 1638 302

patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.2.new_neoplasm_eve
 other, specify NA's
 5 302

patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.2.new_neoplasm_eve

ct scan NA's
1 306

patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.2.new_neoplasm_event
other, specify tumor resection NA's
1 1 305

patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.2.new_neoplasm_event
distant metastasis locoregional recurrence NA's
3 2 302

patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.2.new_neoplasm_occurrence
abdominopelvis liver peritoneum, pelvis NA's
1 2 1 303

patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.2.new_tumor_event.2
no yes NA's
4 1 302

patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.2.residual_disease
r0 NA's
1 306

patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.3.additional_pharmaceuticals
no NA's
1 306

patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.3.additional_radiation
yes NA's
1 306

patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.3.days_to_new_tumor_event
321 NA's
1 306

patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.3.new_neoplasm_event
other, specify NA's
1 306

patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.3.new_neoplasm_event
ct scan NA's
1 306

patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.3.new_neoplasm_event
other, specify NA's
1 306

patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.3.new_neoplasm_event
distant metastasis NA's
1 306

patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.3.new_neoplasm_occurrence

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brain NA's
  1  306

patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.3.new_tumor_event
no NA's
  1  306

patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.additional_pharmac
no yes NA's
  3  10  294

patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.additional_radiati
no yes NA's
  8   5  294

patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.days_to_new_tumor
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.    NA's
209.0  347.0  432.5  476.0  606.5  799.0   301

patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.days_to_new_tumor
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.    NA's
 94.0  238.0  425.0  628.6  704.0 2893.0   288

patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.new_neoplasm_event
  cytology other, specify tumor resection          NA's
        1             7             4             295

patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.new_neoplasm_event
  distant metastasis locoregional recurrence          new primary tumor
                12             8             1
                NA's
                286

patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.new_tumor_event_ad
no yes NA's
  9   5  293

patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.residual_disease_p
r0 rx NA's
  4   1  302

patient.follow_ups.follow_up.new_tumor_events.new_tumor_event_after_initial_trea
no yes NA's
137  22  148

patient.follow_ups.follow_up.other_chemotherapy_agent_administration_specify:
cetuximab gemzar taxol NA's
        1         1         1         304

```

patient.follow_ups.follow_up.patient_death_reason:
 cervical cancer other, specify NA's
 24 5 278

patient.follow_ups.follow_up.performance_status_scale_timing:
 other post-adjuvant therapy pre-adjuvant therapy
 37 44 11
 preoperative NA's
 31 184

patient.follow_ups.follow_up.person_neoplasm_cancer_status:
 tumor free with tumor NA's
 161 48 98

patient.follow_ups.follow_up.postoperative_rx_tx:
 no yes NA's
 69 99 139

patient.follow_ups.follow_up.primary_therapy_outcome_success:
 complete remission/response partial remission/response
 158 5
 progressive disease stable disease
 8 5
 NA's
 131

patient.follow_ups.follow_up.radiation_supplemental.chemotherapy_negation_radiat
 not part of recommended treatment plan
 1
 on randomized study and received arm without chemotherapy
 1
 NA's
 305

patient.follow_ups.follow_up.radiation_supplemental.chemotherapy_negation_radiat
 not done per treating physicians discretion
 11
 other
 4
 participant refusal
 1
 NA's
 291

patient.follow_ups.follow_up.radiation_supplemental.days_to_radiation_therapy_en
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 57.00 74.75 103.50 105.39 126.25 174.00 279

patient.follow_ups.follow_up.radiation_supplemental.days_to_radiation_therapy_st
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 2.00 37.50 60.50 62.81 76.00 154.00 275

```

patient.follow_ups.follow_up.radiation_supplemental.external_beam_radiation_ther
  Min. 1st Qu.  Median    Mean 3rd Qu.  Max.   NA's
      0      0    2200    2344   4500   5040   296

```

```

patient.follow_ups.follow_up.radiation_supplemental.external_beam_radiation_ther
  completed as planned treatment not completed      NA's
                29                          3          275

```

```

patient.follow_ups.follow_up.radiation_supplemental.rt_pelvis_administered_total
  Min. 1st Qu.  Median    Mean 3rd Qu.  Max.   NA's
 1440   4500   5040   4632   5040   5840   282

```

```

patient.follow_ups.follow_up.radiation_supplemental.targeted_molecular_therapy:
  no  yes NA's
 17  22  268

```

```

patient.follow_ups.follow_up.radiation_therapy:
  no  yes NA's
 60 153  94

```

```

patient.follow_ups.follow_up.radiation_therapy_not_administered_reason:
not done per treating physician discretion
                6
                other
                2
                participant refusal
                1
                NA's
                298

```

```

patient.follow_ups.follow_up.rt_administered_type:
external beam radiation      imrt      NA's
                27          2          278

```

```

patient.follow_ups.follow_up.targeted_molecular_therapy:
  no  yes NA's
 25  22  260

```

```

patient.follow_ups.follow_up.treatment.concurrent_rx_tx_info.chemotherapy_negati
  adverse event/ complications
                1
not done per treating physicians discretion
                9
                participant refusal
                2
                NA's
                295

```

```

patient.follow_ups.follow_up.treatment.concurrent_rx_tx_info.concurrent_rx_tx.2.
  4 NA's
  1 306

```

patient.follow_ups.follow_up.treatment.concurrent_rx_tx_info.concurrent_rx_tx.2.
 cisplatin other NA's
 1 6 300

patient.follow_ups.follow_up.treatment.concurrent_rx_tx_info.concurrent_rx_tx.2.
 40mg/m2 750 mg/m2 NA's
 1 1 305

patient.follow_ups.follow_up.treatment.concurrent_rx_tx_info.concurrent_rx_tx.2.
 once weekly NA's
 1 306

patient.follow_ups.follow_up.treatment.concurrent_rx_tx_info.concurrent_rx_tx.3.
 4 NA's
 1 306

patient.follow_ups.follow_up.treatment.concurrent_rx_tx_info.concurrent_rx_tx.3.
 other NA's
 3 304

patient.follow_ups.follow_up.treatment.concurrent_rx_tx_info.concurrent_rx_tx.3.
 0.75mg/m2 NA's
 1 306

patient.follow_ups.follow_up.treatment.concurrent_rx_tx_info.concurrent_rx_tx.3.
 doxorubicin gemcitabine topotecan hcl NA's
 1 1 1 304

patient.follow_ups.follow_up.treatment.concurrent_rx_tx_info.concurrent_rx_tx.4.
 4 NA's
 1 306

patient.follow_ups.follow_up.treatment.concurrent_rx_tx_info.concurrent_rx_tx.4.
 cisplatin other NA's
 1 1 305

patient.follow_ups.follow_up.treatment.concurrent_rx_tx_info.concurrent_rx_tx.4.
 50mg/m2 NA's
 1 306

patient.follow_ups.follow_up.treatment.concurrent_rx_tx_info.concurrent_rx_tx.4.
 doxorubicin NA's
 1 306

patient.follow_ups.follow_up.treatment.concurrent_rx_tx_info.concurrent_rx_tx.ag
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 2.000 5.000 5.000 5.167 6.000 7.000 271

patient.follow_ups.follow_up.treatment.concurrent_rx_tx_info.concurrent_rx_tx.ch
 carboplatin cisplatin other NA's

	5	46	1	255	
--	---	----	---	-----	--

patient.follow_ups.follow_up.treatment.concurrent_rx_tx_info.concurrent_rx_tx.do
 once weekly NA's
 33 274

patient.follow_ups.follow_up.treatment.concurrent_rx_tx_info.concurrent_rx_tx.ot
 external radiation therapy NA's
 1 306

patient.follow_ups.follow_up.treatment.concurrent_rx_tx_info.targeted_molecular_
 no yes NA's
 24 50 233

patient.follow_ups.follow_up.treatment.postoperative_rx_tx:
 no yes NA's
 69 99 139

patient.follow_ups.follow_up.treatment.radiation_therapy:
 no yes NA's
 47 119 141

patient.follow_ups.follow_up.treatment.radiation_therapy_info.brachytherapy_firs
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 21 1500 2100 2613 4000 6545 282

patient.follow_ups.follow_up.treatment.radiation_therapy_info.brachytherapy_meth
 vaginal cuff NA's
 1 306

patient.follow_ups.follow_up.treatment.radiation_therapy_info.brachytherapy_meth
 hdr ldr other NA's
 14 11 3 279

patient.follow_ups.follow_up.treatment.radiation_therapy_info.external_beam_radi
 0 15 540 4500 NA's
 6 1 1 2 297

patient.follow_ups.follow_up.treatment.radiation_therapy_info.radiation_therapy_
 not done per treating physician discretion
 9
 other
 2
 participant refusal
 4
 NA's
 292

patient.follow_ups.follow_up.treatment.radiation_therapy_info.radiation_therapy_

pt only received external beam tx - she moved during tx & brachytherapy was not

```

patient.follow_ups.follow_up.treatment.radiation_therapy_info.rt_administered_ty
      3d conformal external beam radiation                                imrt
              3                                38                                7
              NA's
              259
    
```

```

patient.follow_ups.follow_up.treatment.radiation_therapy_info.rt_pelvis_administ
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.    NA's
    45   4500   4500   4521   5040   8200   262
    
```

```

patient.follow_ups.follow_up.vital_status:
alive  dead  NA's
  202    35    70
    
```

```

patient.follow_ups.follow_up.year_of_form_completion:
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.    NA's
  2003   2013   2014   2013   2014   2015    59
    
```

```

patient.gender:
female
  307
    
```

```

patient.height:
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.    NA's
   132   157   160   161   165   183   43
    
```

```

patient.history_of_neoadjuvant_treatment:
no
  307
    
```

```

patient.human_papillomavirus_laboratory_procedure_performed_name:
other, specify          pcr          NA's
              3              9          295
    
```

```

patient.human_papillomavirus_laboratory_procedure_performed_text:
hpv hybrid capture ii      hybrid capture 2      immunostain
              1              1              1
              NA's
              304
    
```

```

patient.human_papillomavirus_types.human_papillomavirus_type:
  hpv 16      hpv 18      not applicable other hpv type(s)
      12              3              39              7
      NA's
      246
    
```

```

patient.human_papillomavirus_types.human_papillomavirus_type.2:
      hpv 18 other hpv type(s)      NA's
          1             2             304

```

```

patient.human_papillomavirus_types.human_papillomavirus_type.3:
other hpv type(s)      NA's
          1             306

```

```

patient.hysterectomy_performed_type:
      other radical hysterectomy  simple hysterectomy
          8             155             6
      NA's
      138

```

```

patient.icd_10:
c53.0 c53.1 c53.9 c56.9
      4      1    301      1

```

```

patient.icd_o_3_site:
c53.0 c53.1 c53.9 c56.9
      4      1    301      1

```

```

patient.informed_consent_verified:
yes
307

```

```

patient.keratinizing_squamous_cell_carcinoma_present_indicator:
      keratinizing squamous cell carcinoma
                                55
non-keratinizing squamous cell carcinoma
                                120
                                NA's
                                132

```

```

patient.lymph_node_examined_count:
      Min. 1st Qu.  Median    Mean 3rd Qu.    Max.    NA's
      2.00  13.00   21.00  22.28  29.00   63.00   127

```

```

patient.lymph_node_location_positive_pathology_names.lymph_node_location_positiv
      common iliac
                                1
      other location, specify
                                4
pelvic (external iliac, internal iliac, obturator)
                                52
                                NA's
                                250

```



```

patient.lymph_node_location_positive_pathology_names.lymph_node_location_positiv
      common iliac other location, specify      para-aortic
              5                2                2
      NA's
      298

```

```

patient.lymph_node_location_positive_pathology_names.lymph_node_location_positiv
      para-aortic supraclavicular      NA's
              2                1                304

```

```

patient.lymphovascular_invasion_indicator:
      absent present      NA's
              72        80        155

```

```

patient.menopause_status:
      indeterminate (neither pre or post)
      peri (6-12 months since last menstruation)
      post (prior bilateral ovariectomy or >12 mo since lmp with no prior hysterectomy)
      pre (<6 months since lmp and no prior bilateral ovariectomy and not on estrogen therapy)

```

```

patient.month_of_form_completion:
      Min. 1st Qu.  Median  Mean 3rd Qu.  Max.
      1.000  4.000  6.000  6.489 10.000 12.000

```

```

patient.new_tumor_events.new_tumor_event.2.additional_pharmaceutical_therapy:
      no  yes NA's
      2   2  303

```

```

patient.new_tumor_events.new_tumor_event.2.additional_radiation_therapy:
      no  yes NA's
      1   1  305

```

```

patient.new_tumor_events.new_tumor_event.2.days_to_new_tumor_event_additional_surgery:
      508 2072 NA's
      1   1  305

```

```

patient.new_tumor_events.new_tumor_event.2.days_to_new_tumor_event_after_initial_surgery:
      321 491 508 1638 NA's
      1   1   1   1  303

```

```

patient.new_tumor_events.new_tumor_event.2.new_neoplasm_event_occurrence_anatomical_location:
      other, specify      NA's
              1                306

```

```

patient.new_tumor_events.new_tumor_event.2.new_neoplasm_event_post_initial_thera
ct NA's
1 306

patient.new_tumor_events.new_tumor_event.2.new_neoplasm_event_post_initial_thera
cytology other, specify tumor resection NA's
1 1 2 303

patient.new_tumor_events.new_tumor_event.2.new_neoplasm_event_type:
distant metastasis locoregional recurrence NA's
2 2 303

patient.new_tumor_events.new_tumor_event.2.new_neoplasm_occurrence_anatomic_site
liver paracaval lymph nodes pelvis
1 1 1
posterior bladder NA's
1 303

patient.new_tumor_events.new_tumor_event.2.new_tumor_event_additional_surgery_pr
no yes NA's
1 2 304

patient.new_tumor_events.new_tumor_event.2.residual_disease_post_new_tumor_event
r0 r1 NA's
1 1 305

patient.new_tumor_events.new_tumor_event.3.additional_pharmaceutical_therapy:
no NA's
1 306

patient.new_tumor_events.new_tumor_event.3.additional_radiation_therapy:
yes NA's
1 306

patient.new_tumor_events.new_tumor_event.3.days_to_new_tumor_event_after_initial
321 617 NA's
1 1 305

patient.new_tumor_events.new_tumor_event.3.new_neoplasm_event_occurrence_anatomi
other, specify NA's
1 306

patient.new_tumor_events.new_tumor_event.3.new_neoplasm_event_post_initial_thera
ct NA's
1 306

patient.new_tumor_events.new_tumor_event.3.new_neoplasm_event_post_initial_thera
other, specify NA's
1 306

patient.new_tumor_events.new_tumor_event.3.new_neoplasm_event_type:

```

```

distant metastasis                NA's
                                2      305

patient.new_tumor_events.new_tumor_event.3.new_neoplasm_occurrence_anatomic_site
  brain l shoulder                NA's
                                1      1      305

patient.new_tumor_events.new_tumor_event.3.new_tumor_event_additional_surgery_pr
no NA's
1 306

patient.new_tumor_events.new_tumor_event.4.additional_radiation_therapy:
yes NA's
1 306

patient.new_tumor_events.new_tumor_event.4.days_to_new_tumor_event_after_initial
617 NA's
1 306

patient.new_tumor_events.new_tumor_event.4.new_neoplasm_event_occurrence_anatomi
other, specify                    NA's
                                1      306

patient.new_tumor_events.new_tumor_event.4.new_neoplasm_event_type:
distant metastasis                NA's
                                1      306

patient.new_tumor_events.new_tumor_event.4.new_neoplasm_occurrence_anatomic_site
l chest wall                      NA's
                                1      306

patient.new_tumor_events.new_tumor_event.4.new_tumor_event_additional_surgery_pr
no NA's
1 306

patient.new_tumor_events.new_tumor_event.additional_pharmaceutical_therapy:
no yes NA's
9 5 293

patient.new_tumor_events.new_tumor_event.additional_radiation_therapy:
no yes NA's
9 6 292

patient.new_tumor_events.new_tumor_event.days_to_new_tumor_event_additional_surg
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.    NA's
346.0  462.2   546.5   575.8  723.8   799.0    301

patient.new_tumor_events.new_tumor_event.days_to_new_tumor_event_after_initial_t
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.    NA's
 58.0   204.0   317.0   443.7  481.5  2893.0    284

patient.new_tumor_events.new_tumor_event.new_neoplasm_event_occurrence_anatomic_

```

cervix	head and neck	lung	other, specify	NA's
1	2	3	5	296

patient.new_tumor_events.new_tumor_event.new_neoplasm_event_post_initial_therapy:

cytology	other, specify	tumor resection	NA's
1	12	3	291

patient.new_tumor_events.new_tumor_event.new_neoplasm_event_type:

distant metastasis	locoregional recurrence	new primary tumor	NA's
14	6	3	284

patient.new_tumor_events.new_tumor_event.new_tumor_event_additional_surgery_procedure:

no	yes	NA's
13	6	288

patient.new_tumor_events.new_tumor_event.residual_disease_post_new_tumor_event_memo:

r0	r2	rx	NA's
1	1	1	304

patient.new_tumor_events.new_tumor_event_after_initial_treatment:

no	yes	NA's
159	23	125

patient.number_of_lymphnodes_positive_by_her2:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0.000	0.000	0.000	1.044	1.000	16.000	148

patient.number_of_lymphnodes_positive_by_ihc:

0	6	NA's
85	1	221

patient.number_of_successful_pregnancies_which_resulted_in_at_least_1_live_birth:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0.000	1.250	2.000	2.844	4.000	11.000	45

patient.number_pack_years_smoked:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0.20	6.50	15.00	17.38	25.00	57.00	214

patient.oligonucleotide_primer_pair_laboratory_procedure_performed_name:

gp5+/gp6+	NA's
8	299

patient.patient_death_reason:

cervical cancer	NA's
28	279

patient.patient_history_immune_system_and_related_disorders_names.patient_history:

hiv other, specify		NA's
1	2	
		304

patient.patient_history_immune_system_and_related_disorders_text:

+ for hepatitis a		herpes	NA's
1		1	
			305

patient.patient_pregnancy_spontaneous_abortion_count:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0.0000	0.0000	0.0000	0.5442	1.0000	6.0000	160

patient.patient_pregnancy_therapeutic_abortion_count:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0.0000	0.0000	0.0000	0.8525	1.0000	13.0000	185

patient.performance_status_scale_timing:

other post-adjuvant therapy		pre-adjuvant therapy
9	15	52
preoperative	NA's	
96	135	

patient.person_neoplasm_cancer_status:

tumor free with tumor	NA's
191	75
	41

patient.pregnancy_stillbirth_count:

0	1	3	NA's
106	5	1	195

patient.pregnant_at_diagnosis:

no	yes	NA's
156	3	148

patient.primary_lymph_node_presentation_assessment:

no	yes	NA's
41	180	86

patient.primary_therapy_outcome_success:

complete remission/response	partial remission/response
93	7
progressive disease	stable disease
15	3
NA's	
189	

patient.prior_dx:

no	yes
299	8

```

patient.radiations.radiation.2.anatomic_treatment_site:
distant recurrence primary tumor field      regional site      NA's
              1              45              34              227

patient.radiations.radiation.2.course_number:
1      2 NA's
3      1 303

patient.radiations.radiation.2.day_of_form_completion:
Min. 1st Qu.  Median    Mean 3rd Qu.    Max.    NA's
1.00  10.00  14.00  15.12  24.00  30.00  226

patient.radiations.radiation.2.days_to_radiation_therapy_end:
Min. 1st Qu.  Median    Mean 3rd Qu.    Max.    NA's
28.0   92.0  122.5  139.0  154.2  612.0  233

patient.radiations.radiation.2.days_to_radiation_therapy_start:
Min. 1st Qu.  Median    Mean 3rd Qu.    Max.    NA's
1.0    61.0   92.5  106.5  124.8  605.0  229

patient.radiations.radiation.2.measure_of_response:
              complete response      partial response
              46                      5
radiographic progressive disease      stable disease
              6                      1
              NA's
              249

patient.radiations.radiation.2.month_of_form_completion:
Min. 1st Qu.  Median    Mean 3rd Qu.    Max.    NA's
1.000  4.000  7.000  6.309  8.000  12.000  226

patient.radiations.radiation.2.numfractions:
Min. 1st Qu.  Median    Mean 3rd Qu.    Max.    NA's
2.00   4.00   5.00  11.33  25.00  32.00  241

patient.radiations.radiation.2.radiation_dosage:
Min. 1st Qu.  Median    Mean 3rd Qu.    Max.    NA's
15    900   2438   2632   4500   6545   237

patient.radiations.radiation.2.radiation_treatment_ongoing:
no NA's
79  228

patient.radiations.radiation.2.radiation_type:
external external beam      internal      NA's
              39              4              37              227

patient.radiations.radiation.2.regimen_indication:
adjuvant recurrence      NA's

```

3 1 303

patient.radiations.radiation.2.units:

cgy	gy	NA's
60	7	240

patient.radiations.radiation.2.year_of_form_completion:

2012	2013	2014	2015	NA's
8	5	67	1	226

patient.radiations.radiation.3.anatomic_treatment_site:

primary tumor	field	regional site	NA's
	10	8	289

patient.radiations.radiation.3.day_of_form_completion:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1.00	10.25	11.00	14.17	22.25	24.00	289

patient.radiations.radiation.3.days_to_radiation_therapy_end:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
42.0	107.0	124.5	138.8	150.2	482.0	289

patient.radiations.radiation.3.days_to_radiation_therapy_start:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
6.00	70.75	111.50	115.22	134.00	469.00	289

patient.radiations.radiation.3.measure_of_response:

	complete response	partial response
	11	2
radiographic	progressive disease	stable disease
	4	1
	NA's	
	289	

patient.radiations.radiation.3.month_of_form_completion:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
7.000	7.000	8.000	7.944	8.000	11.000	289

patient.radiations.radiation.3.numfractions:

4	5	25	NA's
9	4	5	289

patient.radiations.radiation.3.radiation_dosage:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
900	2450	2800	2956	4475	4500	289

patient.radiations.radiation.3.radiation_treatment_ongoing:

no	NA's
18	289

patient.radiations.radiation.3.radiation_type:

external	internal	NA's
8	10	289

patient.radiations.radiation.3.units:

cg	NA's
18	289

patient.radiations.radiation.3.year_of_form_completion:

2014	NA's
18	289

patient.radiations.radiation.anatomic_treatment_site:

distant	recurrence	local	recurrence	primary tumor	field	regional site
	1		4		105	59
	NA's					
	138					

patient.radiations.radiation.course_number:

1	2	NA's
34	3	270

patient.radiations.radiation.day_of_form_completion:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1.00	10.00	14.00	15.12	23.00	31.00	130

patient.radiations.radiation.days_to_radiation_therapy_end:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
38.0	87.0	113.0	145.9	148.0	1124.0	146

patient.radiations.radiation.days_to_radiation_therapy_start:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
2.00	48.00	71.00	99.82	107.00	798.00	136

patient.radiations.radiation.measure_of_response:

	complete response	partial response
	79	8
radiographic	progressive disease	stable disease
	14	3
	NA's	
	203	

patient.radiations.radiation.month_of_form_completion:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1.000	4.000	7.000	6.124	8.000	12.000	130

patient.radiations.radiation.numfractions:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
2.00	6.00	25.00	19.27	25.00	33.00	176

patient.radiations.radiation.radiation_dosage:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
21	2800	4500	3520	4500	6150	150

patient.radiations.radiation.radiation_treatment_ongoing:

no NA's
174 133

patient.radiations.radiation.radiation_type_notes:

cyberknife NA's
1 306

patient.radiations.radiation.regimen_indication:

adjuvant	palliative	progression	recurrence	NA's
32	2	1	2	270

patient.radiations.radiation.units:

cgy gy NA's
137 20 150

patient.radiations.radiation.year_of_form_completion:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
2011	2012	2014	2013	2014	2015	130

patient.stage_event.tnm_categories.pathologic_categories.pathologic_m:

m0 m1 mx NA's
116 10 131 50

patient.stage_event.tnm_categories.pathologic_categories.pathologic_n:

n0 n1 nx NA's
135 60 67 45

patient.standardized_uptake_value_cervix_uteri_assessment_measurement:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0.00	8.70	12.00	13.22	16.92	28.80	290

patient.stopped_smoking_year:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1949	1995	2003	2000	2010	2013	264

patient.tissue_prospective_collection_indicator:

no yes
213 94

patient.tissue_retrospective_collection_indicator:

no yes
94 213

patient.total_number_of_pregnancies:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0.00	2.00	3.00	3.61	5.00	15.00	40

patient.treatment.concurrent_rx_tx_info.chemotherapy_negation_radiation_therapy_
concurrent chemo rt ongoing-treatment delayed due to postoperative complications.

1
NA's
306

patient.treatment.concurrent_rx_tx_info.concurrent_rx_tx.2.agent_total_dose_coun

3	4	6	NA's
2	2	1	302

patient.treatment.concurrent_rx_tx_info.concurrent_rx_tx.2.chemotherapy_regimen_

carboplatin	other	NA's
1	7	299

patient.treatment.concurrent_rx_tx_info.concurrent_rx_tx.2.concurrent_chemothera

1000mg/m2	750 mg/m2	auc/5	NA's
1	2	1	303

patient.treatment.concurrent_rx_tx_info.concurrent_rx_tx.2.dose_frequency_text:

once weekly	NA's
3	304

patient.treatment.concurrent_rx_tx_info.concurrent_rx_tx.3.agent_total_dose_coun

6	NA's
1	306

patient.treatment.concurrent_rx_tx_info.concurrent_rx_tx.3.chemotherapy_regimen_

other	NA's
1	306

patient.treatment.concurrent_rx_tx_info.concurrent_rx_tx.3.concurrent_chemothera

175mg/m2; 135mg/m2	NA's
1	306

patient.treatment.concurrent_rx_tx_info.concurrent_rx_tx.3.dose_frequency_text:

once weekly	NA's
1	306

patient.treatment.concurrent_rx_tx_info.concurrent_rx_tx.3.other_chemotherapy_ag

paclitaxel	NA's
1	306

patient.treatment.concurrent_rx_tx_info.concurrent_rx_tx.4.agent_total_dose_coun

5	NA's
---	------

1 306

patient.treatment.concurrent_rx_tx_info.concurrent_rx_tx.4.chemotherapy_regimen
other NA's

1 306

patient.treatment.concurrent_rx_tx_info.concurrent_rx_tx.4.concurrent_chemothera
15mg/kg NA's

1 306

patient.treatment.concurrent_rx_tx_info.concurrent_rx_tx.4.other_chemotherapy_ag
bevacizumab NA's

1 306

patient.treatment.concurrent_rx_tx_info.concurrent_rx_tx.agent_total_dose_count:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1.000	4.000	5.000	4.817	6.000	7.000	236

patient.treatment.concurrent_rx_tx_info.concurrent_rx_tx.chemotherapy_regimen_ty

carboplatin	cisplatin	other	NA's
3	81	1	222

patient.treatment.concurrent_rx_tx_info.concurrent_rx_tx.dose_frequency_text:

once weekly	NA's
69	238

patient.treatment.concurrent_rx_tx_info.concurrent_rx_tx.other_chemotherapy_agen

cisplatin	NA's
1	306

patient.treatment.concurrent_rx_tx_info.targeted_molecular_therapy:

no	yes	NA's
34	86	187

patient.treatment.postoperative_rx_tx:

no	yes	NA's
69	89	149

patient.treatment.radiation_therapy:

no	yes	NA's
48	110	149

patient.treatment.radiation_therapy_info.brachytherapy_first_reference_point_adm

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
40	2700	2800	3067	3050	8239	248

patient.treatment.radiation_therapy_info.brachytherapy_method_other_specify_text

implants-tandem and ovoids	pulse dose rate	NA's
1	2	
vaginal implant		303
1		

patient.treatment.radiation_therapy_info.brachytherapy_method_type:

hdr	ldr	other	NA's
56	9	5	237

patient.treatment.radiation_therapy_info.external_beam_radiation_therapy_adminis

0	540	4500	NA's
8	1	2	296

patient.treatment.radiation_therapy_info.radiation_therapy_not_administered_reas
adverse event/complications

	2
not done per treating physician discretion	5
other	2
participant refusal	3
NA's	295

patient.treatment.radiation_therapy_info.radiation_therapy_not_administered_spec
brain and pulmonary metastases leading to death

radiation currently ongoing- treatment delayed due to postoperative complication	1
NA's	305

patient.treatment.radiation_therapy_info.radiation_type_notes:

external beam and bilateral parametrial boost	1
whole pelvis split field	1
NA's	305

patient.treatment.radiation_therapy_info.rt_administered_type:

3d conformal external beam radiation	imrt
54	27
other	NA's
2	219
	5

patient.treatment.radiation_therapy_info.rt_pelvis_administered_total_dose:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
50	4500	4500	4735	5400	11400	224

patient.tumor_response_cdus_type:

complete response	partial response	progression	stable
42	2	4	1
NA's			
258			

patient.tumor_tissue_site:
 cervical
 307

patient.vital_status:
 alive dead
 247 60

patient.weight:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 31.00 58.25 70.50 73.04 83.75 210.00 29

patient.year_of_form_completion:
 2011 2012 2013 2014 2015
 66 53 55 132 1

patient.year_of_initial_pathologic_diagnosis:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 1994 2006 2010 2008 2012 2013 2

patient.hpv_test_results.hpv_test_result.hpv_call_3:
 hpv58 NA's
 1 306

patient.hpv_test_results.hpv_test_result.hpv_status:
 indeterminate negative positive
 1 22 284

patient.bcr_canonical_check.bcr_patient_canonical_reasons.bcr_canonical_reason:
 case matched expression control germline comparison
 3 1
 primary tumor and metastatic tumor(s) NA's
 2 301

patient.bcr_canonical_check.bcr_patient_canonical_reasons.bcr_canonical_reason.2
 case matched methylation control NA's
 3 304

patient.bcr_canonical_check.bcr_patient_canonical_reasons.bcr_canonical_reason.3
 germline comparison NA's
 2 305

patient.bcr_canonical_check.bcr_patient_canonical_status:
 canonical canonical - plus
 301 6

patient.biospecimen_cqcf.consent_or_death_status:
 consented deceased
 275 32

patient.biospecimen_cqcf.days_to_pathology_review:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 1.0 118.0 748.5 1389.0 2128.8 7081.0 5

patient.biospecimen_cqcf.days_to_sample_procurement:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 -29.0 0.0 3.5 15.4 27.0 122.0 5

patient.biospecimen_cqcf.digital_image_submitted:
 no yes
 282 25

patient.biospecimen_cqcf.ethnicity:
 hispanic or latino not hispanic or latino NA's
 19 65 223

patient.biospecimen_cqcf.ffpe_tumor_slide_submitted:
 digital image slide NA's
 8 85 214

patient.biospecimen_cqcf.frozen_specimen_anatomic_site:
 cervix
 307

patient.biospecimen_cqcf.history_of_neoadjuvant_treatment:
 no
 307

patient.biospecimen_cqcf.method_of_sample_procurement:
 other (please specify) other method (please specify)
 17 94
 tumor resection
 196

patient.biospecimen_cqcf.normal_controls.normal_control.2.days_to_normal_sample:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 -1.00 0.00 34.50 49.36 54.25 331.00 293

patient.biospecimen_cqcf.normal_controls.normal_control.2.extracted_dna.ncedna_d
 0.099 0.4 1.5 110 NA's
 1 1 1 1 303

patient.biospecimen_cqcf.normal_controls.normal_control.2.extracted_dna.ncedna_d
 pico-green uv uv spec NA's
 1 2 1 303

patient.biospecimen_cqcf.normal_controls.normal_control.2.extracted_dna.ncedna_d
 10 11 20.3 21 NA's

```

1      1      1      1      303

patient.biospecimen_cqcf.normal_controls.normal_control.2.extracted_dna.ncedna_d
0.101 13.5    55    100  NA's
      1      1      1      1      303

patient.biospecimen_cqcf.normal_controls.normal_control.2.method_of_normal_sampl
      blood draw surgical resection          NA's
              8              6              293

patient.biospecimen_cqcf.normal_controls.normal_control.2.normal_tissue.normal_t
fallopian tube          skin          uterus          NA's
              1              1              5              300

patient.biospecimen_cqcf.normal_controls.normal_control.2.normal_tissue.normal_t
distal (>2cm)          NA's
              7              300

patient.biospecimen_cqcf.normal_controls.normal_control.2.vial_number:
      1      2 NA's
      13     14 280

patient.biospecimen_cqcf.normal_controls.normal_control.3.bcr_sample_uuid:
8b52ee44-e43b-45fa-a978-ea4fe9068a67 de5453af-e271-44fa-9e5d-2bebd11f68b3
              1              1
              NA's
              305

patient.biospecimen_cqcf.normal_controls.normal_control.3.days_to_normal_sample_
      41 NA's
      1 306

patient.biospecimen_cqcf.normal_controls.normal_control.3.method_of_normal_sampl
surgical resection          NA's
              1              306

patient.biospecimen_cqcf.normal_controls.normal_control.3.normal_tissue.normal_t
skin NA's
      1 306

patient.biospecimen_cqcf.normal_controls.normal_control.3.normal_tissue.normal_t
distal (>2cm)          NA's
              2              305

patient.biospecimen_cqcf.normal_controls.normal_control.3.vial_number:
      1      2 NA's
      1      1 305

patient.biospecimen_cqcf.normal_controls.normal_control.days_to_normal_sample_pr
      Min. 1st Qu.  Median      Mean 3rd Qu.  Max.  NA's
      -69.00    0.00   11.00   27.58  30.00  904.00   11

```

patient.biospecimen_cqcf.normal_controls.normal_control.extracted_dna.ncedna_dna
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 0.0530 0.2112 0.4345 69.0474 0.7518 915.6200 189

patient.biospecimen_cqcf.normal_controls.normal_control.extracted_dna.ncedna_dna
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 4.50 17.00 20.00 20.32 20.70 68.90 178

patient.biospecimen_cqcf.normal_controls.normal_control.extracted_dna.ncedna_dna
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 0.101 31.000 48.250 73.923 83.800 700.000 189

patient.biospecimen_cqcf.normal_controls.normal_control.method_of_normal_sample_
 blood draw surgical resection NA's
 291 6 10

patient.biospecimen_cqcf.normal_controls.normal_control.normal_tissue.normal_tis
 myometrium other uterus NA's
 2 3 1 301

patient.biospecimen_cqcf.normal_controls.normal_control.normal_tissue.normal_tis
 distal (>2cm) NA's
 7 300

patient.biospecimen_cqcf.normal_controls.normal_control.vial_number:
 1 2 NA's
 302 1 4

patient.biospecimen_cqcf.other_vessel_used:
 biospecimen storage bag cryosette specimen storage bag
 1 1 2
 NA's
 303

patient.biospecimen_cqcf.path_confirm_diagnosis_matching:
 yes NA's
 303 4

patient.biospecimen_cqcf.path_confirm_report_attached:
 no yes
 14 293

patient.biospecimen_cqcf.path_confirm_tumor_necrosis_metrics:
 yes
 307

patient.biospecimen_cqcf.path_confirm_tumor_nuclei_metrics:
 no yes
 1 306


```

patient.biospecimen_cqcf.race:
american indian or alaska native      asian
                                         6          12
      black or african american        white
                                         17         105
                                         NA's
                                         167

patient.biospecimen_cqcf.sample_prescreened:
yes
307

patient.biospecimen_cqcf.site_of_disease:
cervix
  307

patient.biospecimen_cqcf.submitted_for_lce:
no  yes NA's
161 23 123

patient.biospecimen_cqcf.top_slide_submitted:
no yes
27 280

patient.biospecimen_cqcf.tumor_samples.tumor_sample.2.tumor_necrosis_percent:
0   5   30 NA's
1   1   7  298

patient.biospecimen_cqcf.tumor_samples.tumor_sample.2.tumor_nuclei_percent:
60  70  95 NA's
1   7   1  298

patient.biospecimen_cqcf.tumor_samples.tumor_sample.2.tumor_weight:
50  80 100 1312 NA's
1   1   6   1  298

patient.biospecimen_cqcf.tumor_samples.tumor_sample.2.vial_number:
1   2 NA's
8   2  297

patient.biospecimen_cqcf.tumor_samples.tumor_sample.3.bcr_sample_uuid:
6ef38e19-07ac-4032-8fb4-59129a126d3f      NA's
                                         1          306

patient.biospecimen_cqcf.tumor_samples.tumor_sample.3.tumor_necrosis_percent:
30 NA's
1  306

patient.biospecimen_cqcf.tumor_samples.tumor_sample.3.tumor_nuclei_percent:
70 NA's

```

1 306

patient.biospecimen_cqcf.tumor_samples.tumor_sample.3.tumor_weight:
100 NA's

1 306

patient.biospecimen_cqcf.tumor_samples.tumor_sample.3.vial_number:

1 NA's

1 306

patient.biospecimen_cqcf.tumor_samples.tumor_sample.tumor_necrosis_percent:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0.000	0.000	2.000	7.618	10.000	35.000	1

patient.biospecimen_cqcf.tumor_samples.tumor_sample.tumor_nuclei_percent:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
20.00	65.00	70.00	73.65	80.00	100.00	1

patient.biospecimen_cqcf.tumor_samples.tumor_sample.tumor_weight:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0.00	67.75	120.00	263.77	210.50	3133.00	15

patient.biospecimen_cqcf.tumor_samples.tumor_sample.vial_number:

1 NA's

306 1

patient.biospecimen_cqcf.vessel_used:

biospecimen storage bag	cassette	cryomold
24	51	20
cryovial	other (please specify)	
208	4	

patient.days_to_index:

0 NA's

302 5

patient.samples.sample.2.bcr_biospecimen_canonical_reasons.bcr_canonical_reason:

primary tumor and metastatic tumor(s)	NA's
2	305

patient.samples.sample.2.days_to_collection:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
22.0	197.2	778.5	1445.2	2171.0	7129.0	5

patient.samples.sample.2.initial_weight:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
40.0	82.5	100.0	330.0	267.5	1340.0	301

patient.samples.sample.2.is_ffpe:

no
307

patient.samples.sample.2.oct_embedded:
false true
304 3

patient.samples.sample.2.pathology_report_file_name:
tcga-hm-a6w2.fd13c302-78f0-4fee-b90a-95a10c236ce9.pdf 1
tcga-uc-a7pg.3b9b2cf0-2bfb-45d2-bab8-7dc83277acce.pdf 1
NA's
305

patient.samples.sample.2.pathology_report_uuid:
3b9b2cf0-2bfb-45d2-bab8-7dc83277acce fd13c302-78f0-4fee-b90a-95a10c236ce9 1 1
NA's
305

patient.samples.sample.2.portions.portion.analytes.analyte.2.a260_a280_ratio:
1.48 1.87 1.91 NA's
1 1 1 304

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.2.
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
118955149 118955936 122967819 132998060 141664282 167823013 300

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.2.
9 13 NA's
4 3 300

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.2.
0.17 0.18 0.5 NA's
1 2 4 300

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.2.
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
7.00 12.50 24.00 20.29 28.00 30.00 300

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.2.
no NA's
7 300

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.2.
1 6 10 12 NA's
1 1 1 4 300

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.2.

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1.000	2.500	6.000	6.571	11.000	12.000	300

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.2.
 3.4 3.6 33 NA's
 1 2 4 300

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.2.
 23 NA's
 7 300

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.2.
 20 66 NA's
 3 4 300

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.2.
 2011 2012 2013 2014 NA's
 4 1 1 1 300

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.bi

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
97490628	113419970	132178904	138559371	167788814	174166172	51

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.ce
 7 8 9 NA's
 3 42 211 51

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.co
 0.17 0.18 0.5 NA's
 1 2 253 51

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.da

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
3.00	8.00	15.00	15.93	22.00	30.00	51

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.is
 no NA's
 256 51

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.mo

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1.000	4.000	6.000	5.863	7.000	11.000	51

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.pl

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1.000	6.000	8.000	7.422	9.000	12.000	51

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.quantity
 2.21 2.34 40 NA's
 1 2 253 51

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.size
 23 NA's
 256 51

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.volume
 13 80 NA's
 3 253 51

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.years
 2011 2012 2013 2014 NA's
 75 47 42 92 51

patient.samples.sample.2.portions.portion.analytes.analyte.2.amount:
 6.8 20.83 51.12 NA's
 1 1 1 304

patient.samples.sample.2.portions.portion.analytes.analyte.2.analyte_type:
 repli-g (qiagen) dna rna NA's
 253 3 51

patient.samples.sample.2.portions.portion.analytes.analyte.2.analyte_type_id:
 r w NA's
 3 253 51

patient.samples.sample.2.portions.portion.analytes.analyte.2.concentration:
 0.17 0.18 NA's
 1 2 304

patient.samples.sample.2.portions.portion.analytes.analyte.2.dna.normal_tumor_genotype
 yes NA's
 253 54

patient.samples.sample.2.portions.portion.analytes.analyte.2.dna.pcr_amplification
 yes NA's
 253 54

patient.samples.sample.2.portions.portion.analytes.analyte.2.gel_image_file:
<https://sharedoc.nchri.org/tcga-bcr/default.aspx>
 256
 NA's
 51

patient.samples.sample.2.portions.portion.analytes.analyte.2.is_derived_from_ffp
 no NA's
 256 51

```

patient.samples.sample.2.portions.portion.analytes.analyte.2.protocols.protocol.
mirvana (allprep dna) rna                repli-g                NA's
                3                253                51

```

```

patient.samples.sample.2.portions.portion.analytes.analyte.2.rna.ratio_28s_18s:
0.98  1.3  1.69 NA's
    1    1    1  304

```

```

patient.samples.sample.2.portions.portion.analytes.analyte.2.rna.rinvalue:
7.5  7.6  9.1 NA's
    1    1    1  304

```

```

patient.samples.sample.2.portions.portion.analytes.analyte.2.spectrophotometer_m
uv spec    NA's
    3      304

```

```

patient.samples.sample.2.portions.portion.analytes.analyte.2.subportion_sequence
    1    2    3 NA's
    3    2    1  301

```

```

patient.samples.sample.2.portions.portion.analytes.analyte.3.aliquots.aliquot.bo
tcga-fu-a3eo-11a-13w-a21i-09 tcga-hm-a6w2-06a-22w-a37w-09
                1                1
                NA's
                305

```

```

patient.samples.sample.2.portions.portion.analytes.analyte.3.aliquots.aliquot.bo
6833bc09-f071-4d82-90f5-3e87481b3d14 a4620479-da52-4fce-a82f-a5e944a9bcb7
                1                1
                NA's
                305

```

```

patient.samples.sample.2.portions.portion.analytes.analyte.3.aliquots.aliquot.bi
122969410 164054440    NA's
                1                1                305

```

```

patient.samples.sample.2.portions.portion.analytes.analyte.3.aliquots.aliquot.ce
    9 NA's
    2  305

```

```

patient.samples.sample.2.portions.portion.analytes.analyte.3.aliquots.aliquot.co
    0.5 NA's
    2  305

```

```

patient.samples.sample.2.portions.portion.analytes.analyte.3.aliquots.aliquot.da
    26    29 NA's
    1    1  305

```

```

patient.samples.sample.2.portions.portion.analytes.analyte.3.aliquots.aliquot.is
    no NA's
    2  305

```

```

patient.samples.sample.2.portions.portion.analytes.analyte.3.aliquots.aliquot.mo
  2    3 NA's
  1    1 305

patient.samples.sample.2.portions.portion.analytes.analyte.3.aliquots.aliquot.pl
  2    7 NA's
  1    1 305

patient.samples.sample.2.portions.portion.analytes.analyte.3.aliquots.aliquot.pl
a21i a37w NA's
  1    1 305

patient.samples.sample.2.portions.portion.analytes.analyte.3.aliquots.aliquot.pl
  b    d NA's
  1    1 305

patient.samples.sample.2.portions.portion.analytes.analyte.3.aliquots.aliquot.qu
  40 NA's
  2  305

patient.samples.sample.2.portions.portion.analytes.analyte.3.aliquots.aliquot.so
  23 NA's
  2  305

patient.samples.sample.2.portions.portion.analytes.analyte.3.aliquots.aliquot.vo
  80 NA's
  2  305

patient.samples.sample.2.portions.portion.analytes.analyte.3.aliquots.aliquot.ye
2012 2014 NA's
  1    1 305

patient.samples.sample.2.portions.portion.analytes.analyte.3.analyte_type:
repli-g (qiagen) dna                    NA's
                      2                    305

patient.samples.sample.2.portions.portion.analytes.analyte.3.analyte_type_id:
  w NA's
  2  305

patient.samples.sample.2.portions.portion.analytes.analyte.3.bcr_analyte_barcode
tcga-fu-a3eo-11a-13w tcga-hm-a6w2-06a-22w          NA's
                      1                      1          305

patient.samples.sample.2.portions.portion.analytes.analyte.3.bcr_analyte_uuid:
2deae69c-d2a8-44bc-8f5a-916a73ee52e4 b3324bfc-336e-41ae-b865-7bd74231de2d
                      1                      1
                      NA's
                      305

patient.samples.sample.2.portions.portion.analytes.analyte.3.dna.normal_tumor_ge

```

```

yes NA's
  2 305

patient.samples.sample.2.portions.portion.analytes.analyte.3.dna.pcr_amplificati
yes NA's
  2 305

patient.samples.sample.2.portions.portion.analytes.analyte.3.gel_image_file:
https://sharedoc.nchri.org/tcga-bcr/default.aspx
                                     2
                                     NA's
                                     305

patient.samples.sample.2.portions.portion.analytes.analyte.3.is_derived_from_ffp
no NA's
  2 305

patient.samples.sample.2.portions.portion.analytes.analyte.3.protocols.protocol.
repli-g    NA's
          2    305

patient.samples.sample.2.portions.portion.analytes.analyte.3.subportion_sequence
  2    3 NA's
  1    1 305

patient.samples.sample.2.portions.portion.analytes.analyte.a260_a280_ratio:
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.    NA's
1.170  1.790   1.920   1.898  1.970   2.500   262

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.2.bi
  Min.  1st Qu.  Median    Mean  3rd Qu.    Max.
97484789 117833484 145672995 140807271 164103672 174165207

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.2.ce
  1  2  8  9
40 27  8 232

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.2.co
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.
0.07000 0.07000 0.08000 0.09635 0.09000 0.18000

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.2.da
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.
  3.00  17.00  24.00  20.11  26.00  31.00

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.2.is
no
307

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.2.mo

```


Min.	1st Qu.	Median	Mean	3rd Qu.	Max.
1.000	2.000	5.000	5.277	8.000	12.000

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.2.pl

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.
1.000	5.000	7.000	6.873	9.000	12.000

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.2.qu

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.
1.000	2.800	2.800	2.678	3.200	3.600

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.2.sc
23
307

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.2.vo

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.
6.67	40.00	40.00	32.66	40.00	40.00

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.2.ye
2011 2012 2013 2014
75 59 66 107

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.3.bi

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
97486992	108474569	113390580	115260795	122969396	174165177	183

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.3.ce

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1.00	8.00	9.00	14.25	26.00	26.00	183

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.3.co

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0.0700	0.0800	0.0900	0.1157	0.1500	0.1700	183

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.3.da

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
3.00	4.00	7.00	12.96	27.00	31.00	183

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.3.is
no NA's
124 183

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.3.mo

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1.000	3.000	5.000	6.008	10.000	11.000	183

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.3.pl

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1.000	7.000	8.000	8.435	10.250	12.000	183

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.3.qu

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0.930	1.600	3.200	2.487	3.200	3.600	183

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.3.so
23 NA's
124 183

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
6.67	10.00	40.00	26.15	40.00	40.00	183

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.3.ye
2011 2012 2013 2014 NA's
75 45 1 3 183

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
113422276	118955166	118955192	121678757	118955217	160356080	262

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.4.ce
5 8 9 NA's
1 1 43 262

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0.07	0.08	0.09	0.16			NA's
3	24	17	1	262		

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.4.da
5 7 24 25 NA's
1 40 1 3 262

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.4.is
no NA's
45 262

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1	7	11	12			NA's
1	1	3	40	262		

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1.000	8.000	9.000	8.467	10.000	12.000	262

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.4.pl

a16y a200 a212 a34h NA's
 1 40 1 3 262

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.4.qu
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 1.800 2.080 2.080 2.133 2.340 2.700 262

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.4.so
 23 NA's
 45 262

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.4.vo
 13 20 26 30 NA's
 1 3 40 1 262

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.4.ye
 2011 2012 2013 NA's
 41 1 3 262

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.5.bi
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 122970851 122970875 122970876 131939249 122971895 167811750 302

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.5.ce
 9 NA's
 5 302

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.5.co
 0.07 0.08 0.09 NA's
 1 1 3 302

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.5.da
 14 21 28 NA's
 3 1 1 302

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.5.is
 no NA's
 5 302

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.5.mo
 1 3 12 NA's
 1 3 1 302

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.5.pl
 1 2 7 NA's
 1 3 1 302

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.5.pl
 a208 a210 a46a NA's

```

1      3      1      302

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.5.pl
a      b      d      h NA's
2      1      1      1      302

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.5.qu
1.21 1.82 3.2 3.6 NA's
1      1      1      2      302

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.5.sc
23 NA's
5      302

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.5.vo
13.4 26 40 NA's
1      1      3      302

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.5.ye
2011 2012 2015 NA's
1      3      1      302

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.6.bo
tcga-ds-a0vk-10a-01d-a21o-09 NA's
1 NA's
1      306

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.6.bo
93844bfb-3675-4251-b1c0-aca221d0c97e NA's
1 NA's
1      306

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.6.bi
122970852 NA's
1 NA's
1      306

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.6.ce
9 NA's
1      306

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.6.co
0.07 NA's
1      306

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.6.da
14 NA's
1      306

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.6.is
no NA's
1      306

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.6.mo
3 NA's

```

```

1 306

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.6.pl
2 NA's
1 306

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.6.pl
a21o NA's
1 306

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.6.pl
c NA's
1 306

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.6.qu
2.8 NA's
1 306

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.6.sc
23 NA's
1 306

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.6.vo
40 NA's
1 306

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.6.ye
2012 NA's
1 306

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.bios
Min. 1st Qu. Median Mean 3rd Qu. Max.
97483781 117833478 132273057 140262143 164103664 174165215

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.cent
1 2
259 48

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.conc
0.14 0.15 0.16 0.17 0.18
51 90 83 72 11

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.day_
Min. 1st Qu. Median Mean 3rd Qu. Max.
1.00 12.00 25.00 18.98 26.00 30.00

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.is_d
no
307

```

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.month
 Min. 1st Qu. Median Mean 3rd Qu. Max.
 1.000 2.000 4.000 4.909 6.000 11.000

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.platform
 Min. 1st Qu. Median Mean 3rd Qu. Max.
 1.000 5.000 7.000 6.873 9.000 12.000

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.quantity
 Min. 1st Qu. Median Mean 3rd Qu. Max.
 0.94 1.01 1.07 1.20 1.14 2.34

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.source
 23
 307

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.volume
 6.7 10 13
 259 8 40

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.year
 2011 2012 2013 2014
 75 59 55 118

patient.samples.sample.2.portions.portion.analytes.analyte.amount:
 Min. 1st Qu. Median Mean 3rd Qu. Max.
 4.88 13.47 21.55 30.43 39.56 197.10

patient.samples.sample.2.portions.portion.analytes.analyte.analyte_type:
 dna
 307

patient.samples.sample.2.portions.portion.analytes.analyte.analyte_type_id:
 d
 307

patient.samples.sample.2.portions.portion.analytes.analyte.concentration:
 0.14 0.15 0.16 0.17 0.18
 51 90 83 72 11

patient.samples.sample.2.portions.portion.analytes.analyte.dna.normal_tumor_genotype
 yes
 307

patient.samples.sample.2.portions.portion.analytes.analyte.dna.pcr_amplification
 yes
 307

patient.samples.sample.2.portions.portion.analytes.analyte.gel_image_file:
<https://sharedoc.nchri.org/tcga-bcr/default.aspx>
 307

patient.samples.sample.2.portions.portion.analytes.analyte.is_derived_from_ffpe:
 no
 307

patient.samples.sample.2.portions.portion.analytes.analyte.protocols.protocol.ex
 adna preparation type pre-extracted dna received by tss
 176 131

patient.samples.sample.2.portions.portion.analytes.analyte.spectrophotometer_met
 picogreen uv spec
 262 45

patient.samples.sample.2.portions.portion.analytes.analyte.subportion_sequence:
 1 2 3 NA's
 3 2 1 301

patient.samples.sample.2.portions.portion.day_of_creation:
 Min. 1st Qu. Median Mean 3rd Qu. Max.
 1.00 5.00 13.00 13.55 21.00 31.00

patient.samples.sample.2.portions.portion.is_ffpe:
 no
 307

patient.samples.sample.2.portions.portion.month_of_creation:
 Min. 1st Qu. Median Mean 3rd Qu. Max.
 1.000 2.000 5.000 6.033 9.000 12.000

patient.samples.sample.2.portions.portion.portion_number:
 Min. 1st Qu. Median Mean 3rd Qu. Max.
 1.000 1.000 1.000 1.306 1.000 31.000

patient.samples.sample.2.portions.portion.portion_sequence:
 1 2 3 NA's
 204 1 1 101

patient.samples.sample.2.portions.portion.slides.slide.is_derived_from_ffpe:
 no NA's
 6 301

patient.samples.sample.2.portions.portion.slides.slide.percent_lymphocyte_infilt
 0 5 8 40 NA's
 2 1 1 1 302

```
patient.samples.sample.2.portions.portion.slides.slide.percent_monocyte_infiltration:
0 1 2 20 NA's
2 1 1 1 302
```

```
patient.samples.sample.2.portions.portion.slides.slide.percent_necrosis:
0 5 NA's
4 1 302
```

```
patient.samples.sample.2.portions.portion.slides.slide.percent_neutrophil_infiltration:
0 1 2 20 NA's
2 1 1 1 302
```

```
patient.samples.sample.2.portions.portion.slides.slide.percent_normal_cells:
0 15 20 100 NA's
1 1 1 3 301
```

```
patient.samples.sample.2.portions.portion.slides.slide.percent_stromal_cells:
0 20 80 NA's
2 2 1 302
```

```
patient.samples.sample.2.portions.portion.slides.slide.percent_tumor_cells:
0 60 80 NA's
3 1 1 302
```

```
patient.samples.sample.2.portions.portion.slides.slide.percent_tumor_nuclei:
0 60 80 NA's
3 1 1 302
```

```
patient.samples.sample.2.portions.portion.slides.slide.section_location:
top NA's
6 301
```

```
patient.samples.sample.2.portions.portion.weight:
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
2.00 2.00 2.00 16.35 2.00 500.00 131
```

```
patient.samples.sample.2.portions.portion.year_of_creation:
2010 2011 2012 2013 2014
8 98 34 93 74
```

```
patient.samples.sample.2.sample_type:
blood derived normal metastatic solid tissue normal
301 2 4
```

```
patient.samples.sample.2.sample_type_id:
6 10 11
2 301 4
```

```
patient.samples.sample.2.vial_number:
a b
290 17
```


patient.samples.sample.3.days_to_collection:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
51.0	97.0	117.0	951.2	629.0	3862.0	302

patient.samples.sample.3.initial_weight:

1	220	430	950	NA's
1	1	1	1	303

patient.samples.sample.3.is_ffpe:

no	NA's
5	302

patient.samples.sample.3.oct_embedded:

false	true	NA's
3	2	302

patient.samples.sample.3.portions.portion.analytes.analyte.2.a260_a280_ratio:

1.74	1.85	NA's
1	1	305

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.2.
tcga-hm-a3jj-11a-12r-a21u-13 tcga-my-a5bf-11a-11r-a26x-13

1	1
NA's	
305	

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.2.
870c8c76-1283-425f-ac64-12216e1ef8fe d403aaf5-26af-448f-9f71-e9abc40a57ac

1	1
NA's	
305	

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.2.
122971608 145675911 NA's

1	1	305
---	---	-----

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.2.

13	NA's
2	305

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.2.
0.15 0.17 NA's

1	1	305
---	---	-----

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.2.
27 28 NA's

1	1	305
---	---	-----

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.2.

```

no NA's
2 305

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.2.
2 3 NA's
1 1 305

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.2.
3 4 NA's
1 1 305

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.2.
a21u a26x NA's
1 1 305

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.2.
e NA's
2 305

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.2.
3 3.4 NA's
1 1 305

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.2.
23 NA's
2 305

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.2.
20 NA's
2 305

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.2.
2012 2013 NA's
1 1 305

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.bo
tcga-hm-a3jj-11a-12r-a21t-07 tcga-hm-a4s6-11a-11w-a301-09
1 1
tcga-hm-a6w2-10a-01w-a37w-09 tcga-my-a5bf-11a-11r-a26t-07
1 1
NA's
303

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.bo
0a78e78c-f31a-488a-bf37-c47b108954fd 5a5ce32f-5f84-4e96-b655-fa98d0101fc5
1 1
8c68f443-2093-4feb-afed-2a67e558129c ea52408f-b5e1-4a15-80bc-945cc74135e4
1 1
NA's
303

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.bi

```

122970471 145676103 150705556 164054418 NA's
1 1 1 1 303

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.ce
7 9 NA's
2 2 303

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.co
0.15 0.17 0.5 NA's
1 1 2 303

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.da
12 26 27 28 NA's
1 1 1 1 303

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.is
no NA's
4 303

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.mo
2 3 6 NA's
1 2 1 303

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.pl
3 4 9 NA's
2 1 1 303

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.pl
a21t a26t a30l a37w NA's
1 1 1 1 303

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.pl
d e f NA's
1 2 1 303

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.qu
1.95 2.21 40 NA's
1 1 2 303

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.so
23 NA's
4 303

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.vo
13 80 NA's
2 2 303

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.ye
2012 2013 2014 NA's
1 2 1 303

patient.samples.sample.3.portions.portion.analytes.analyte.2.amount:

7.58 9.01 NA's
1 1 305

patient.samples.sample.3.portions.portion.analytes.analyte.2.analyte_type:
repli-g (qiagen) dna rna NA's
2 2 303

patient.samples.sample.3.portions.portion.analytes.analyte.2.analyte_type_id:
r w NA's
2 2 303

patient.samples.sample.3.portions.portion.analytes.analyte.2.bcr_analyte_barcode:
tcga-hm-a3jj-11a-12r tcga-hm-a4s6-11a-11w tcga-hm-a6w2-10a-01w
1 1 1
tcga-my-a5bf-11a-11r NA's
1 303

patient.samples.sample.3.portions.portion.analytes.analyte.2.bcr_analyte_uuid:
0d4dcbc0-b81e-4ddb-bc45-94726417cf83 2c686b3a-37d1-470d-9570-d001fd6ee489
1 1
61635452-bed9-4baf-a3c1-40362cf8ce11 eecb0432-3d8d-4adf-812a-4c61a6d2ef6a
1 1
NA's
303

patient.samples.sample.3.portions.portion.analytes.analyte.2.concentration:
0.15 0.17 NA's
1 1 305

patient.samples.sample.3.portions.portion.analytes.analyte.2.dna.normal_tumor_ge
yes NA's
2 305

patient.samples.sample.3.portions.portion.analytes.analyte.2.dna.pcr_amplificati
yes NA's
2 305

patient.samples.sample.3.portions.portion.analytes.analyte.2.gel_image_file:
<https://sharedoc.nchri.org/tcga-bcr/default.aspx>
4
NA's
303

patient.samples.sample.3.portions.portion.analytes.analyte.2.is_derived_from_ffp
no NA's
4 303

patient.samples.sample.3.portions.portion.analytes.analyte.2.protocols.protocol.
mirvana (allprep dna) rna repli-g NA's
2 2 303

patient.samples.sample.3.portions.portion.analytes.analyte.2.rna.ratio_28s_18s:

```

1 1.2 NA's
1 1 305

patient.samples.sample.3.portions.portion.analytes.analyte.2.rna.rinvalue:
7 7.4 NA's
1 1 305

patient.samples.sample.3.portions.portion.analytes.analyte.2.spectrophotometer_m
uv spec NA's
2 305

patient.samples.sample.3.portions.portion.analytes.analyte.2.subportion_sequence
1 2 NA's
2 1 304

patient.samples.sample.3.portions.portion.analytes.analyte.3.aliquots.aliquot.bo
tcga-hm-a3jj-11a-12w-a225-09 tcga-my-a5bf-11a-11w-a301-09
1 1
NA's
305

patient.samples.sample.3.portions.portion.analytes.analyte.3.aliquots.aliquot.bo
b9b6f8ec-562a-42a4-bc08-e0072df2bcc8 ec19c33c-cd0f-45a4-afdf-dc30275ea6d9
1 1
NA's
305

patient.samples.sample.3.portions.portion.analytes.analyte.3.aliquots.aliquot.bi
122972370 150705555 NA's
1 1 305

patient.samples.sample.3.portions.portion.analytes.analyte.3.aliquots.aliquot.ce
9 NA's
2 305

patient.samples.sample.3.portions.portion.analytes.analyte.3.aliquots.aliquot.co
0.5 NA's
2 305

patient.samples.sample.3.portions.portion.analytes.analyte.3.aliquots.aliquot.da
12 16 NA's
1 1 305

patient.samples.sample.3.portions.portion.analytes.analyte.3.aliquots.aliquot.is
no NA's
2 305

patient.samples.sample.3.portions.portion.analytes.analyte.3.aliquots.aliquot.mo
5 6 NA's
1 1 305

patient.samples.sample.3.portions.portion.analytes.analyte.3.aliquots.aliquot.pl

```

4 6 NA's
1 1 305

patient.samples.sample.3.portions.portion.analytes.analyte.3.aliquots.aliquot.pl
a225 a301 NA's
1 1 305

patient.samples.sample.3.portions.portion.analytes.analyte.3.aliquots.aliquot.pl
d g NA's
1 1 305

patient.samples.sample.3.portions.portion.analytes.analyte.3.aliquots.aliquot.qu
40 NA's
2 305

patient.samples.sample.3.portions.portion.analytes.analyte.3.aliquots.aliquot.sc
23 NA's
2 305

patient.samples.sample.3.portions.portion.analytes.analyte.3.aliquots.aliquot.vo
80 NA's
2 305

patient.samples.sample.3.portions.portion.analytes.analyte.3.aliquots.aliquot.ye
2012 2013 NA's
1 1 305

patient.samples.sample.3.portions.portion.analytes.analyte.3.analyte_type:
repli-g (qiagen) dna NA's
2 305

patient.samples.sample.3.portions.portion.analytes.analyte.3.analyte_type_id:
w NA's
2 305

patient.samples.sample.3.portions.portion.analytes.analyte.3.bcr_analyte_barcode
tcga-hm-a3jj-11a-12w tcga-my-a5bf-11a-11w NA's
1 1 305

patient.samples.sample.3.portions.portion.analytes.analyte.3.bcr_analyte_uuid:
54896a86-e2cd-4849-a671-1748d966be26 6493e683-49af-4c94-9729-056296e1b90b
1 1
NA's
305

patient.samples.sample.3.portions.portion.analytes.analyte.3.dna.normal_tumor_ge
yes NA's
2 305

patient.samples.sample.3.portions.portion.analytes.analyte.3.dna.pcr_amplificati
yes NA's
2 305

patient.samples.sample.3.portions.portion.analytes.analyte.3.gel_image_file:
<https://sharedoc.nchri.org/tcga-bcr/default.aspx>
 2
 NA's
 305

patient.samples.sample.3.portions.portion.analytes.analyte.3.is_derived_from_ffp
 no NA's
 2 305

patient.samples.sample.3.portions.portion.analytes.analyte.3.protocols.protocol.
 repli-g NA's
 2 305

patient.samples.sample.3.portions.portion.analytes.analyte.3.subportion_sequence
 1 2 NA's
 1 1 305

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.2.bi

	Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
122971218	145673039	145673052	149767247	160355550	174163377		302

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.2.ce
 9 NA's
 5 302

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.2.co
 0.07 0.08 NA's
 1 4 302

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.2.da

	18	27	28	30	NA's
1	2	1	1		302

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.2.is
 no NA's
 5 302

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.2.mo

	2	3	6	10	NA's
2	1	1	1		302

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.2.pl

	Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
3.0	4.0	6.0	5.8	7.0	9.0		302

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.2.pl

	a21q	a26g	a33o	a42r	NA's
1	2	1	1		302

```

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.2.pl
  d   f   g NA's
  2   1   2 302

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.2.qu
  2.8 3.2 NA's
  1   4 302

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.2.sc
  23 NA's
  5 302

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.2.vo
  40 NA's
  5 302

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.2.ye
  2012 2013 2014 NA's
  1     3     1 302

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.3.bo
tcga-hm-a3jj-11a-12d-a21r-05 tcga-my-a5bf-11a-11d-a26s-05
      1                               1
      NA's
      305

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.3.bo
caf87bfa-9620-490f-a284-7917eabbb221 f2db94bc-a410-459a-b8a7-845f0eaf0575
      1                               1
      NA's
      305

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.3.bi
122970503 132159814      NA's
      1           1           305

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.3.ce
  5 NA's
  2 305

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.3.co
  0.15 0.17 NA's
  1     1 305

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.3.da
  27  28 NA's
  1   1 305

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.3.is
  no NA's
  2 305

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patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.3.mo
  2    3 NA's
  1    1 305

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.3.pl
  4    6 NA's
  1    1 305

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.3.pl
a21r a26s NA's
  1    1 305

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.3.pl
  d    g NA's
  1    1 305

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.3.qu
1.95 2.21 NA's
  1    1 305

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.3.so
  23 NA's
  2   305

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.3.vo
  13 NA's
  2   305

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.3.ye
2012 2013 NA's
  1    1 305

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.bios
      Min.   1st Qu.   Median     Mean   3rd Qu.     Max.      NA's
122970738 128925374 145673000 146417957 160355534 174165137      302

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.cent
  1 NA's
  5  302

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.conc
0.15 0.17 NA's
  2    3 302

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.day_
  18  27  28  30 NA's
  1   2   1   1 302

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.is_d

```

```

no NA's
5 302

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.mont
2 3 6 10 NA's
2 1 1 1 302

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.plat
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
3.0 4.0 6.0 5.8 7.0 9.0 302

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.plat
a21p a26f a33n a42q NA's
1 2 1 1 302

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.plat
d f g NA's
2 1 2 302

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.quan
1.01 1.14 NA's
2 3 302

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.sour
23 NA's
5 302

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.volun
6.7 NA's
5 302

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.year
2012 2013 2014 NA's
1 3 1 302

patient.samples.sample.3.portions.portion.analytes.analyte.amount:
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
6.12 7.52 12.38 16.04 14.33 39.84 302

patient.samples.sample.3.portions.portion.analytes.analyte.analyte_type:
dna NA's
5 302

patient.samples.sample.3.portions.portion.analytes.analyte.analyte_type_id:
d NA's
5 302

patient.samples.sample.3.portions.portion.analytes.analyte.concentration:
0.15 0.17 NA's
2 3 302

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patient.samples.sample.3.portions.portion.analytes.analyte.dna.normal_tumor_gene:
yes NA's
5 302

patient.samples.sample.3.portions.portion.analytes.analyte.dna.pcr_amplification:
yes NA's
5 302

patient.samples.sample.3.portions.portion.analytes.analyte.gel_image_file:
https://sharedoc.nchri.org/tcga-bcr/default.aspx
5
NA's
302

patient.samples.sample.3.portions.portion.analytes.analyte.is_derived_from_ffpe:
no NA's
5 302

patient.samples.sample.3.portions.portion.analytes.analyte.protocols.protocol.ex:
adna preparation type NA's
5 302

patient.samples.sample.3.portions.portion.analytes.analyte.spectrophotometer_met:
picogreen NA's
5 302

patient.samples.sample.3.portions.portion.analytes.analyte.subportion_sequence:
1 2 NA's
3 1 303

patient.samples.sample.3.portions.portion.day_of_creation:
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
5.0 9.0 19.0 16.2 21.0 27.0 302

patient.samples.sample.3.portions.portion.is_ffpe:
no NA's
5 302

patient.samples.sample.3.portions.portion.month_of_creation:
5 8 11 12 NA's
1 1 1 2 302

patient.samples.sample.3.portions.portion.portion_number:
1 11 12 NA's
1 3 1 302

patient.samples.sample.3.portions.portion.portion_sequence:
1 NA's
4 303

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```

patient.samples.sample.3.portions.portion.slides.slide.bcr_slide_barcode:
tcga-hm-a3jj-11a-01-ts1 tcga-hm-a4s6-11a-01-ts1 tcga-my-a5bf-11a-01-tsa
                                1                                1                                1
tcga-uc-a7pg-11c-01-ts1                                NA's
                                1                                303

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```

patient.samples.sample.3.portions.portion.slides.slide.bcr_slide_uuid:
176defe3-92cd-4f70-8b77-362b45c19c2d 566b4c64-64c8-4849-a166-5b64637798d1
                                1                                1
cf3df233-0fc1-49b6-bada-bf52a9b11830 d33167ba-479f-4278-a4ef-a0b00cdd09c6
                                1                                1
                                NA's
                                303

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```

patient.samples.sample.3.portions.portion.slides.slide.image_file_name:
tcga-hm-a3jj-11a-01-ts1.176defe3-92cd-4f70-8b77-362b45c19c2d.svs
                                                                1
tcga-hm-a4s6-11a-01-ts1.cf3df233-0fc1-49b6-bada-bf52a9b11830.svs
                                                                1
tcga-my-a5bf-11a-01-tsa.566b4c64-64c8-4849-a166-5b64637798d1.svs
                                                                1
tcga-uc-a7pg-11c-01-ts1.d33167ba-479f-4278-a4ef-a0b00cdd09c6.svs
                                                                1
                                                                NA's
                                                                303

```

```

patient.samples.sample.3.portions.portion.slides.slide.is_derived_from_ffpe:
no NA's
4 303

```

```

patient.samples.sample.3.portions.portion.slides.slide.percent_lymphocyte_infiltration:
0 1 NA's
1 3 303

```

```

patient.samples.sample.3.portions.portion.slides.slide.percent_monocyte_infiltration:
0 NA's
4 303

```

```

patient.samples.sample.3.portions.portion.slides.slide.percent_necrosis:
0 NA's
4 303

```

```

patient.samples.sample.3.portions.portion.slides.slide.percent_neutrophil_infiltration:
0 NA's
4 303

```

```

patient.samples.sample.3.portions.portion.slides.slide.percent_normal_cells:
100 NA's
4 303

```

```

patient.samples.sample.3.portions.portion.slides.slide.percent_stromal_cells:

```

0 NA's
4 303

patient.samples.sample.3.portions.portion.slides.slide.percent_tumor_cells:
0 NA's
4 303

patient.samples.sample.3.portions.portion.slides.slide.percent_tumor_nuclei:
0 NA's
4 303

patient.samples.sample.3.portions.portion.slides.slide.section_location:
top NA's
4 303

patient.samples.sample.3.portions.portion.weight:
2 30 NA's
1 4 302

patient.samples.sample.3.portions.portion.year_of_creation:
2011 2012 2013 2014 NA's
1 2 1 1 302

patient.samples.sample.3.sample_type:
blood derived normal solid tissue normal NA's
1 4 302

patient.samples.sample.3.sample_type_id:
10 11 NA's
1 4 302

patient.samples.sample.3.vial_number:
a c NA's
4 1 302

patient.samples.sample.days_to_collection:
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
22.0 197.2 776.0 1446.4 2171.0 7129.0 5

patient.samples.sample.diagnostic_slides.ffpe_slide_uuid.3:
19acbf59-9114-4980-a44c-5acf414a09cf 6da5ead4-bb7c-42ed-be81-cef2fae7a11c 1 1
cf669de8-217e-47a6-839f-abe9657ba566 NA's
1 304

patient.samples.sample.diagnostic_slides.ffpe_slide_uuid.4:
48f35f8c-450b-4851-95d0-642b2a700671 feb6720a-6d9c-4ee7-9251-1be636ea5269 1 1

NA's
305

patient.samples.sample.initial_weight:
 Min. 1st Qu. Median Mean 3rd Qu. Max.
 1.0 60.0 110.0 214.7 190.0 2320.0

patient.samples.sample.is_ffpe:
 no
 307

patient.samples.sample.oct_embedded:
 false true
 145 162

patient.samples.sample.portions.portion.analytes.analyte.2.a260_a280_ratio:
 Min. 1st Qu. Median Mean 3rd Qu. Max.
 1.330 1.820 1.860 1.858 1.890 2.160

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.2.bi
 Min. 1st Qu. Median Mean 3rd Qu. Max.
 97486220 117832620 145675881 140600317 164103800 167823167

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.2.ce
 7 13
 93 214

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.2.co
 Min. 1st Qu. Median Mean 3rd Qu. Max.
 0.1400 0.1600 0.1700 0.1674 0.1700 0.2000

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.2.da
 Min. 1st Qu. Median Mean 3rd Qu. Max.
 3.00 17.00 24.00 20.31 26.00 31.00

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.2.is
 no
 307

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.2.mo
 Min. 1st Qu. Median Mean 3rd Qu. Max.
 1.000 2.000 5.000 5.277 8.000 12.000

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.2.pl
 Min. 1st Qu. Median Mean 3rd Qu. Max.
 1.000 2.000 4.000 4.505 6.000 12.000

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.2.qu
 Min. 1st Qu. Median Mean 3rd Qu. Max.
 1.950 3.000 3.400 3.229 3.600 5.340

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.2.so
 23
 307

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.2.vo
 13 20 26.7
 61 214 32

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.2.ye
 2011 2012 2013 2014
 75 59 66 107

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.3.bi
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 150756966 150757028 150757039 153381017 150757051 167812939 294

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.3.ce
 7 NA's
 13 294

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.3.co
 0.15 0.16 0.17 0.18 NA's
 4 3 3 3 294

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.3.da
 2 9 NA's
 11 2 294

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.3.is
 no NA's
 13 294

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.3.mo
 10 12 NA's
 11 2 294

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.3.pl
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 1 3 4 4 5 6 294

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.3.pl
 a32y a466 NA's
 11 2 294

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.3.qu
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 1.060 1.950 2.080 1.968 2.210 2.340 294

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.3.so
 23 NA's
 13 294

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.3.vo
 6.6 13 NA's
 2 11 294

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.3.ye
 2013 2014 NA's
 11 2 294

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.bios
 Min. 1st Qu. Median Mean 3rd Qu. Max.
 97486988 122969186 145676073 140117152 164103804 174163810

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.cent
 7 13
 214 93

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.conc
 Min. 1st Qu. Median Mean 3rd Qu. Max.
 0.1400 0.1600 0.1700 0.1674 0.1700 0.2000

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.day_
 Min. 1st Qu. Median Mean 3rd Qu. Max.
 3.00 17.00 24.00 20.11 26.00 31.00

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.is_d
 no
 307

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.mont
 Min. 1st Qu. Median Mean 3rd Qu. Max.
 1.000 2.000 5.000 5.277 8.000 12.000

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.plat
 Min. 1st Qu. Median Mean 3rd Qu. Max.
 1.000 2.000 4.000 4.505 6.000 12.000

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.quan
 Min. 1st Qu. Median Mean 3rd Qu. Max.
 1.950 2.210 2.340 2.587 3.200 4.540

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.source
 23
 307

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.volume
 13 20 26.7
 206 93 8

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.year
 2011 2012 2013 2014
 75 59 66 107

patient.samples.sample.portions.portion.analytes.analyte.2.amount:
 Min. 1st Qu. Median Mean 3rd Qu. Max.
 6.62 41.05 53.71 52.77 64.02 110.71

patient.samples.sample.portions.portion.analytes.analyte.2.analyte_type:
 rna
 307

patient.samples.sample.portions.portion.analytes.analyte.2.analyte_type_id:
 r
 307

patient.samples.sample.portions.portion.analytes.analyte.2.concentration:
 Min. 1st Qu. Median Mean 3rd Qu. Max.
 0.1400 0.1600 0.1700 0.1674 0.1700 0.2000

patient.samples.sample.portions.portion.analytes.analyte.2.gel_image_file:
<https://sharedoc.nchri.org/tcga-bcr/default.aspx>
 307

patient.samples.sample.portions.portion.analytes.analyte.2.is_derived_from_ffpe:
 no
 307

patient.samples.sample.portions.portion.analytes.analyte.2.protocols.protocol.expression
 mirvana (allprep dna) rna
 307

patient.samples.sample.portions.portion.analytes.analyte.2.rna.ratio_28s_18s:
 Min. 1st Qu. Median Mean 3rd Qu. Max.
 0.200 1.400 1.590 1.571 1.800 2.680

patient.samples.sample.portions.portion.analytes.analyte.2.rna.rinvalue:
 Min. 1st Qu. Median Mean 3rd Qu. Max.
 4.600 7.500 8.200 8.163 8.800 10.000

patient.samples.sample.portions.portion.analytes.analyte.2.spectrophotometer_method
 uv spec

307

patient.samples.sample.portions.portion.analytes.analyte.2.subportion_sequence:

1	2	NA's
278	20	9

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.2.bi

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1.19e+08	1.19e+08	1.19e+08	1.19e+08	1.19e+08	1.19e+08	302

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.2.ce

9	NA's
5	302

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.2.co

0.5	NA's
5	302

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.2.da

7	NA's
5	302

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.2.is

no	NA's
5	302

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.2.mo

12	NA's
5	302

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.2.pl

5	6	NA's
3	2	302

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.2.pl

a200	NA's
5	302

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.2.qu

33	NA's
5	302

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.2.so

23	NA's
5	302

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.2.vo

66	NA's
5	302

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.2.ye
 2011 NA's
 5 302

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.bios
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 97490630 113421813 132178898 138285349 167788806 167804650 51

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.cent
 8 9 NA's
 42 214 51

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.conc
 0.5 NA's
 256 51

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.day_
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 3.00 8.00 15.00 15.97 22.00 30.00 51

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.is_d
 no NA's
 256 51

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.mont
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 1.00 4.00 6.00 5.82 7.00 11.00 51

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.plat
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 1.000 2.000 3.000 2.734 4.000 6.000 51

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.quant
 40 NA's
 256 51

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.sour
 23 NA's
 256 51

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.vol
 80 NA's
 256 51

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.year
 2011 2012 2013 2014 NA's
 75 47 41 93 51

```

patient.samples.sample.portions.portion.analytes.analyte.3.analyte_type:
repli-g (qiagen) dna NA's
                256          51

```

```

patient.samples.sample.portions.portion.analytes.analyte.3.analyte_type_id:
  w NA's
256  51

```

```

patient.samples.sample.portions.portion.analytes.analyte.3.dna.normal_tumor_genom
yes NA's
256  51

```

```

patient.samples.sample.portions.portion.analytes.analyte.3.dna.pcr_amplification
yes NA's
256  51

```

```

patient.samples.sample.portions.portion.analytes.analyte.3.gel_image_file:
https://sharedoc.nchri.org/tcga-bcr/default.aspx
                256
                NA's
                51

```

```

patient.samples.sample.portions.portion.analytes.analyte.3.is_derived_from_ffpe:
no NA's
256  51

```

```

patient.samples.sample.portions.portion.analytes.analyte.3.protocols.protocol.ex
repli-g NA's
        256  51

```

```

patient.samples.sample.portions.portion.analytes.analyte.3.subportion_sequence:
  1  2 NA's
230 17  60

```

```

patient.samples.sample.portions.portion.analytes.analyte.a260_a280_ratio:
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.   NA's
1.730  1.870  1.940  1.932  1.980  2.180   262

```

```

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.2.bios
  Min.  1st Qu.  Median    Mean  3rd Qu.    Max.
97486218 117833378 145672994 140807460 164105014 174162815

```

```

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.2.cent
  1  2  8  9
40 27  8 232

```

```

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.2.conc

```

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.
0.07000	0.08000	0.08000	0.09668	0.09000	0.18000

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.2.day_

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.
3.00	17.00	24.00	20.11	26.00	31.00

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.2.is_d
no

307

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.2.mont

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.
1.000	2.000	5.000	5.277	8.000	12.000

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.2.plat

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.
1.000	2.000	3.000	2.971	4.000	8.000

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.2.quant

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.
1.000	2.800	3.200	2.696	3.200	3.600

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.2.sour

23

307

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.2.vol

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.
6.67	40.00	40.00	32.66	40.00	40.00

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.2.year

2011 2012 2013 2014

75 59 66 107

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.3.bios

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.
97486986	120903201	132273348	140914565	164103574	174165206

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.3.cent

1 5 8 9 26

8 209 34 33 23

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.3.conc

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.
0.0700	0.1400	0.1500	0.1397	0.1600	0.1700

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.3.day_

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.
3.00	12.00	18.00	19.03	26.00	31.00

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.3.is_d
no
307

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.
1.000	3.000	5.000	5.427	8.000	12.000

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.
1.000	2.000	3.000	2.984	4.000	8.000

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.
0.930	1.950	2.080	2.241	2.210	3.600

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.3.sour
23
307

6.67	10	13	40
8	23	209	67

2011	2012	2013	2014
75	59	66	107

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
99019064	108473711	113390570	113860261	122848420	132271195	187

5	26	NA's
98	22	187

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0.1400	0.1500	0.1600	0.1592	0.1700	0.1800	187

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
3.00	4.00	16.50	16.11	27.00	31.00	187

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.4.is_d

```

no NA's
120 187

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.4.mont
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.   NA's
1.000  1.000  5.000  5.575 10.000 11.000   187

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.4.plat
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.   NA's
1.000  1.000  4.000  3.583  5.000  8.000   187

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.4.quant
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.   NA's
1.40   1.95   2.08   2.73   4.27   4.81   187

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.4.sourc
 23 NA's
120 187

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.4.volun
 10  13 26.7 NA's
 22  58  40 187

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.4.year
2011 2012 NA's
 75  45 187

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.5.bios
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.   NA's
113422275 118955152 118955180 121274924 118955209 160356040   263

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.5.cent
  1  8  9 NA's
  3  1 40 263

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.5.conc
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.   NA's
0.07000 0.08000 0.08000 0.08841 0.09000 0.17000   263

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.5.day_
  5  7 25 NA's
  4 37  3 263

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.5.is_d
no NA's
44 263

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.5.mont

```

7 11 12 NA's
4 3 37 263

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.5.plat
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
1.00 1.75 2.50 2.75 4.00 7.00 263

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.5.plat
al6y a200 a34h NA's
4 37 3 263

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.5.quant
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
1.600 2.080 2.080 2.175 2.340 4.500 263

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.5.sour
23 NA's
44 263

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.5.vol
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
11.0 26.0 26.0 25.3 26.0 50.0 263

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.5.year
2011 2013 NA's
41 3 263

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.6.bios
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
113422286 113422288 122970822 124063273 122970824 160356031 299

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.6.cent
8 9 NA's
3 5 299

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.6.conc
0.07 0.08 0.09 NA's
1 5 2 299

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.6.day_
5 14 25 NA's
3 4 1 299

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.6.is_d
no NA's
8 299

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.6.mont
3 7 11 NA's

4 3 1 299

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.6.plat

1 2 7 NA's
4 1 3 299

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.6.plat

a16y a21o a34h NA's
3 4 1 299

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.6.quant

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1.28	2.02	2.52	2.51	3.20	3.60	299

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.6.sour

23 NA's
8 299

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.6.vol

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
16	23	34	31	40	40	299

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.6.year

2011 2012 2013 NA's
3 4 1 299

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.biospe

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.
97486794	117833268	145673003	140809811	164103670	174164247

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.center

1 2
259 48

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.concen

0.14 0.15 0.16 0.17 0.18
25 97 124 53 8

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.day_of

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.
1.00	12.00	25.00	18.98	26.00	30.00

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.is_der

no
307

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.month_

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.
1.000	2.000	4.000	4.909	6.000	11.000

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.plate_i
 Min. 1st Qu. Median Mean 3rd Qu. Max.
 1.000 2.000 3.000 2.971 4.000 8.000

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.quantit
 Min. 1st Qu. Median Mean 3rd Qu. Max.
 0.940 1.010 1.070 1.204 1.140 2.340

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.source
 23
 307

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.volume
 6.7 10 13
 259 8 40

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.year_o
 2011 2012 2013 2014
 75 59 55 118

patient.samples.sample.portions.portion.analytes.analyte.amount:
 Min. 1st Qu. Median Mean 3rd Qu. Max.
 7.21 33.00 46.29 48.83 61.19 124.76

patient.samples.sample.portions.portion.analytes.analyte.analyte_type:
 dna
 307

patient.samples.sample.portions.portion.analytes.analyte.analyte_type_id:
 d
 307

patient.samples.sample.portions.portion.analytes.analyte.concentration:
 0.14 0.15 0.16 0.17 0.18
 25 97 124 53 8

patient.samples.sample.portions.portion.analytes.analyte.dna.normal_tumor_genoty
 yes
 307

patient.samples.sample.portions.portion.analytes.analyte.dna.pcr_amplification_s
 yes
 307

patient.samples.sample.portions.portion.analytes.analyte.gel_image_file:
<https://sharedoc.nchri.org/tcga-bcr/default.aspx>
 307

patient.samples.sample.portions.portion.analytes.analyte.is_derived_from_ffpe:
 no
 307

patient.samples.sample.portions.portion.analytes.analyte.protocols.protocol.expe
 adna preparation type
 307

patient.samples.sample.portions.portion.analytes.analyte.spectrophotometer_metho
 picogreen uv spec
 262 45

patient.samples.sample.portions.portion.analytes.analyte.subportion_sequence:
 1 2 NA's
 278 20 9

patient.samples.sample.portions.portion.day_of_creation:
 Min. 1st Qu. Median Mean 3rd Qu. Max.
 1.00 12.00 18.00 18.42 27.00 31.00

patient.samples.sample.portions.portion.is_ffpe:
 no
 307

patient.samples.sample.portions.portion.month_of_creation:
 Min. 1st Qu. Median Mean 3rd Qu. Max.
 1.000 2.500 6.000 6.251 10.000 12.000

patient.samples.sample.portions.portion.portion_number:
 Min. 1st Qu. Median Mean 3rd Qu. Max.
 11.00 11.00 11.00 13.19 11.00 81.00

patient.samples.sample.portions.portion.portion_sequence:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 1.000 1.000 1.000 1.259 1.000 8.000 91

patient.samples.sample.portions.portion.slides.slide.2.is_derived_from_ffpe:
 no NA's
 9 298

patient.samples.sample.portions.portion.slides.slide.2.percent_lymphocyte_infilt
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 0.00 0.00 20.00 20.22 30.00 60.00 298

patient.samples.sample.portions.portion.slides.slide.2.percent_monocyte_infiltra
 0 1 10 NA's

6 1 2 298

patient.samples.sample.portions.portion.slides.slide.2.percent_necrosis:

0 5 10 NA's

6 2 1 298

patient.samples.sample.portions.portion.slides.slide.2.percent_neutrophil_infiltration:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0.000	0.000	1.000	5.111	3.000	20.000	298

patient.samples.sample.portions.portion.slides.slide.2.percent_normal_cells:

0 3 35 NA's

7 1 1 298

patient.samples.sample.portions.portion.slides.slide.2.percent_stromal_cells:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0	5	20	18	20	50	298

patient.samples.sample.portions.portion.slides.slide.2.percent_tumor_cells:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
50.00	60.00	80.00	75.56	90.00	100.00	298

patient.samples.sample.portions.portion.slides.slide.2.percent_tumor_nuclei:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
45.00	60.00	70.00	67.22	75.00	90.00	298

patient.samples.sample.portions.portion.slides.slide.2.section_location:

top NA's

9 298

patient.samples.sample.portions.portion.slides.slide.is_derived_from_ffpe:

no

307

patient.samples.sample.portions.portion.slides.slide.percent_lymphocyte_infiltration:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.
0.00	2.00	5.00	16.48	40.00	80.00

patient.samples.sample.portions.portion.slides.slide.percent_monocyte_infiltration:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.
0.000	0.000	0.000	5.033	10.000	20.000

patient.samples.sample.portions.portion.slides.slide.percent_necrosis:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.
0.000	0.000	1.000	3.371	5.000	20.000

patient.samples.sample.portions.portion.slides.slide.percent_neutrophil_infiltration:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.
0.000	0.000	0.000	7.531	20.000	70.000

patient.samples.sample.portions.portion.slides.slide.percent_normal_cells:
 Min. 1st Qu. Median Mean 3rd Qu. Max.
 0.000 0.000 0.000 4.156 5.000 92.000

patient.samples.sample.portions.portion.slides.slide.percent_stromal_cells:
 Min. 1st Qu. Median Mean 3rd Qu. Max.
 0.00 5.00 15.00 13.69 20.00 65.00

patient.samples.sample.portions.portion.slides.slide.percent_tumor_cells:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 25.00 70.00 80.00 78.99 90.00 100.00 2

patient.samples.sample.portions.portion.slides.slide.percent_tumor_nuclei:
 Min. 1st Qu. Median Mean 3rd Qu. Max.
 6.00 70.00 80.00 76.16 85.00 98.00

patient.samples.sample.portions.portion.slides.slide.section_location:
 bottom top
 9 298

patient.samples.sample.portions.portion.weight:
 Min. 1st Qu. Median Mean 3rd Qu. Max.
 10.00 30.00 30.00 28.44 30.00 30.00

patient.samples.sample.portions.portion.year_of_creation:
 2010 2011 2012 2013 2014
 9 88 47 97 66

patient.samples.sample.portions.shipment_portion.center_id:
 20 NA's
 173 134

patient.samples.sample.portions.shipment_portion.is_ffpe:
 no NA's
 173 134

patient.samples.sample.portions.shipment_portion.plate_id:
 a40h a40i a40j NA's
 81 81 11 134

patient.samples.sample.portions.shipment_portion.portion_number:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 11.00 21.00 21.00 20.54 21.00 71.00 134

patient.samples.sample.portions.shipment_portion.portion_sequence:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 1.000 2.000 2.000 1.964 2.000 7.000 167

patient.samples.sample.portions.shipment_portion.shipment_portion_day_of_shipmen

```

    10 NA's
173 134

patient.samples.sample.portions.shipment_portion.shipment_portion_month_of_shipme
    6 NA's
173 134

patient.samples.sample.portions.shipment_portion.shipment_portion_year_of_shipme
2014 NA's
173 134

patient.samples.sample.sample_type:
primary tumor
          307

patient.samples.sample.sample_type_id:
    1
307

patient.samples.sample.vial_number:
  a  b  c
299  7  1

```

 CHOL

Cholangiocarcinoma

Description

A document describing the TCGA cancer code

Details

```

> experiments( CHOL )
ExperimentList class object of length 9:
 [1] CNASNP-20160128: RaggedExperiment with 39698 rows and 85 columns
 [2] CNVSNP-20160128: RaggedExperiment with 7570 rows and 85 columns
 [3] GISTIC_AllByGene-20160128: SummarizedExperiment with 24776 rows and 36 columns
 [4] GISTIC_ThresholdedByGene-20160128: SummarizedExperiment with 24776 rows and 36 columns
 [5] Methylation-20160128: SummarizedExperiment with 485577 rows and 45 columns
 [6] miRNASeqGene-20160128: SummarizedExperiment with 1046 rows and 45 columns
 [7] Mutation-20160128: RaggedExperiment with 6755 rows and 35 columns
 [8] RNASeq2GeneNorm-20160128: SummarizedExperiment with 20501 rows and 45 columns
 [9] RPPAArray-20160128: SummarizedExperiment with 192 rows and 30 columns

> rownames( CHOL )
CharacterList of length 9
[["CNASNP-20160128"]] character(0)
[["CNVSNP-20160128"]] character(0)
[["GISTIC_AllByGene-20160128"]] ACAP3 ACTRT2 ... WASIR1|ENSG00000185203.7
[["GISTIC_ThresholdedByGene-20160128"]] ACAP3 ... WASIR1|ENSG00000185203.7

```

```
[["Methylation-20160128"]] cg00000029 cg00000108 ... rs966367 rs9839873
[["miRNASeqGene-20160128"]] hsa-let-7a-1 hsa-let-7a-2 ... hsa-mir-99b
[["Mutation-20160128"]] character(0)
[["RNASeq2GeneNorm-20160128"]] A1BG A1CF A2BP1 A2LD1 ... ZZZ3 psiTPTE22 tAKR
[["RPPAArray-20160128"]] 14-3-3_beta 14-3-3_epsilon ... p90RSK_pT359_S363
```

```
> colnames( CHOL )
```

```
CharacterList of length 9
```

```
[["CNASNP-20160128"]] TCGA-3X-AAV9-01A-72D-A416-01 ...
[["CNVSNP-20160128"]] TCGA-3X-AAV9-01A-72D-A416-01 ...
[["GISTIC_AllByGene-20160128"]] TCGA-3X-AAV9-01A-72D-A416-01 ...
[["GISTIC_ThresholdedByGene-20160128"]] TCGA-3X-AAV9-01A-72D-A416-01 ...
[["Methylation-20160128"]] TCGA-3X-AAV9-01A-72D-A418-05 ...
[["miRNASeqGene-20160128"]] TCGA-3X-AAV9-01A-72R-A41D-13 ...
[["Mutation-20160128"]] TCGA-3X-AAV9-01A-72D-A417-09 ...
[["RNASeq2GeneNorm-20160128"]] TCGA-3X-AAV9-01A-72R-A41I-07 ...
[["RPPAArray-20160128"]] TCGA-3X-AAV9-01A-81-A45N-20 ...
```

```
Sizes of each ExperimentList element:
```

		assay	size.Mb
1	CNASNP-20160128		1.1 Mb
2	CNVSNP-20160128		0.2 Mb
3	GISTIC_AllByGene-20160128		4.3 Mb
4	GISTIC_ThresholdedByGene-20160128		4.3 Mb
5	Methylation-20160128		67.4 Mb
6	miRNASeqGene-20160128		0.1 Mb
7	Mutation-20160128		4.3 Mb
8	RNASeq2GeneNorm-20160128		1.1 Mb
9	RPPAArray-20160128		0 Mb

```
-----
Overall survival time-to-event summary (in years):
-----
```

```
Call: survfit(formula = survival::Surv(colDat$days_to_death/365, colDat$vital_status - 1)
```

```
18 observations deleted due to missingness
      n events median 0.95LCL 0.95UCL
18.000 18.000  1.370  0.742  2.532
```

```
-----
Available sample meta-data:
-----
```

```
years_to_birth:
```

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.
29.00	56.50	66.50	63.03	72.00	82.00

vital_status:

0 1
18 18

days_to_death:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
21.0	195.2	500.0	592.9	731.0	1939.0	18

days_to_last_followup:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
10.0	539.8	942.5	936.6	1394.0	1976.0	18

tumor_tissue_site:

bile duct
36

pathology_T_stage:

t1	t2	t2a	t2b	t3
19	6	2	4	5

pathology_N_stage:

n0	n1	nx
26	5	5

pathology_M_stage:

m0	m1	mx
28	5	3

gender:

female	male
20	16

date_of_initial_pathologic_diagnosis:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.
2005	2010	2011	2010	2012	2013

radiation_therapy:

no NA's
35 1

histological_type:

cholangiocarcinoma; distal	cholangiocarcinoma; hilar/perihilar
	2 4
cholangiocarcinoma; intrahepatic	
	30

residual_tumor:

r0	r1	rx
28	5	3

race:

	asian black or african american		white		
	3	2	31		
ethnicity:					
	hispanic or latino	not hispanic or latino	NA's		
	2	33	1		
admin.bcr:					
	nationwide children's hospital				
	36				
admin.day_of_dcc_upload:					
	1				
	36				
admin.disease_code:					
	chol				
	36				
admin.month_of_dcc_upload:					
	10				
	36				
admin.patient_withdrawal.withdrawn:					
	false				
	36				
admin.project_code:					
	tcga				
	36				
admin.year_of_dcc_upload:					
	2015				
	36				
patient.blood_relative_cancer_history_list.blood_relative_cancer_history.3.family_member:					
	brother	father	grandmother	sister	NA's
	1	1	1	2	31
patient.blood_relative_cancer_history_list.blood_relative_cancer_history.4.family_member:					
	non-invasive ductal carcinoma in situ of the breast				
				1	
				NA's	
				35	
patient.blood_relative_cancer_history_list.blood_relative_cancer_history.4.family_member:					
	sister			NA's	

1 35

patient.cancer_first_degree_relative:

1	2	3	4	NA's
10	6	3	1	16

patient.clinical_cqcf.consent_or_death_status:

consented	waiver
34	2

patient.clinical_cqcf.country:

brazil	canada	italy	united states	vietnam
1	5	2	27	1

patient.clinical_cqcf.days_to_consent:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
-408.00	-17.75	-6.50	59.76	0.00	1225.00	2

patient.clinical_cqcf.histological_type:

cholangiocarcinoma; distal	cholangiocarcinoma; intrahepatic	NA's
2	30	
4		

patient.clinical_cqcf.history_of_neoadjuvant_treatment:

no
35
yes, pharmaceutical treatment prior to resection
1

patient.clinical_cqcf.normal_tissue_anatomic_site:

liver	NA's
16	20

patient.clinical_cqcf.normal_tissue_proximity:

distal (>2cm)	NA's
16	20

patient.clinical_cqcf.tumor_type:

primary
36

patient.day_of_form_completion:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.
2.00	11.00	23.00	19.58	24.50	29.00

patient.days_to_birth:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.
-30039	-26385	-24592	-23185	-20910	-10659

patient.days_to_death:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 21.0 245.8 536.0 621.8 786.8 1939.0 20

patient.days_to_last_followup:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 0.0 145.0 360.0 531.4 771.2 1976.0 16

patient.drugs.drug.2.day_of_form_completion:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 11.0 16.0 20.0 18.8 21.0 26.0 31

patient.drugs.drug.2.days_to_drug_therapy_end:
 76 123 231 326 NA's
 1 1 1 1 32

patient.drugs.drug.2.days_to_drug_therapy_start:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 33.0 41.0 63.0 104.4 132.0 253.0 31

patient.drugs.drug.2.drug_name:
 capecitabine cisplatin gemcitabine NA's
 1 3 1 31

patient.drugs.drug.2.measure_of_response:
 clinical progressive disease partial response
 2 1
 stable disease NA's
 1 32

patient.drugs.drug.2.month_of_form_completion:
 3 5 8 10 NA's
 1 1 1 2 31

patient.drugs.drug.2.therapy_ongoing:
 no yes NA's
 4 1 31

patient.drugs.drug.2.therapy_types.therapy_type:
 chemotherapy NA's
 5 31

patient.drugs.drug.2.tx_on_clinical_trial:
 no NA's
 5 31

patient.drugs.drug.2.year_of_form_completion:
 2014 NA's
 5 31

```

patient.drugs.drug.day_of_form_completion:
  Min. 1st Qu.  Median    Mean 3rd Qu.  Max.   NA's
  11.00  16.00  20.00  19.44  24.00  26.00  27

patient.drugs.drug.days_to_drug_therapy_end:
  Min. 1st Qu.  Median    Mean 3rd Qu.  Max.   NA's
  76.0  142.5  205.0  201.3  258.5  326.0  29

patient.drugs.drug.days_to_drug_therapy_start:
  Min. 1st Qu.  Median    Mean 3rd Qu.  Max.   NA's
   33    56    63    126   132   427   27

patient.drugs.drug.drug_name:
  cisplatin gemcitabine    gemzar    NA's
           1           6           2     27

patient.drugs.drug.measure_of_response:
clinical progressive disease    complete response
                               2                          2
      partial response          stable disease
                               2                          2
                               NA's
                               28

patient.drugs.drug.month_of_form_completion:
  Min. 1st Qu.  Median    Mean 3rd Qu.  Max.   NA's
  3.000  5.000  7.000  6.778  10.000  10.000  27

patient.drugs.drug.therapy_ongoing:
  no  yes NA's
   7   2  27

patient.drugs.drug.therapy_types.therapy_type:
chemotherapy    NA's
               9     27

patient.drugs.drug.tx_on_clinical_trial:
  no NA's
   9  27

patient.drugs.drug.year_of_form_completion:
2014 NA's
   9  27

patient.eastern_cancer_oncology_group:
  0   1   3 NA's
 19   9   1   7

patient.ethnicity:
  hispanic or latino not hispanic or latino    NA's

```

2

33

1

patient.follow_ups.follow_up.day_of_form_completion:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 3.00 21.00 21.00 21.67 26.00 31.00 21

patient.follow_ups.follow_up.days_to_death:
 169 555 NA's
 1 1 34

patient.follow_ups.follow_up.days_to_last_followup:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 10.0 309.0 519.0 666.7 1015.0 1976.0 23

patient.follow_ups.follow_up.lost_follow_up:
 no yes NA's
 9 6 21

patient.follow_ups.follow_up.month_of_form_completion:
 1 10 11 12 NA's
 3 10 1 1 21

patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.2.additional_pharm
 yes NA's
 1 35

patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.2.additional_radia
 no NA's
 1 35

patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.2.days_to_new_tumo
 152 NA's
 1 35

patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.2.new_neoplasm_eve
 liver NA's
 1 35

patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.2.new_neoplasm_eve
 intrahepatic recurrence NA's
 1 35

patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.2.new_tumor_event_
 no NA's
 1 35

patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.2.new_tumor_event_
 no NA's
 1 35

```

patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.additional_pharmac
no NA's
2 34

patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.additional_radiati
no NA's
3 33

patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.days_to_new_tumor_
40 59 549 NA's
1 1 1 33

patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.new_neoplasm_event
liver non-regional / distant lymph nodes
2 1
NA's
33

patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.new_neoplasm_event
extrahepatic recurrence intrahepatic recurrence locoregional recurrence
1 1 1
NA's
33

patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.new_tumor_event_ab
no yes NA's
2 1 33

patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.new_tumor_event_ad
no NA's
2 34

patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.new_tumor_event_li
no NA's
3 33

patient.follow_ups.follow_up.new_tumor_events.new_tumor_event_after_initial_trea
no yes NA's
10 4 22

patient.follow_ups.follow_up.person_neoplasm_cancer_status:
tumor free with tumor NA's
10 4 22

patient.follow_ups.follow_up.post_op_ablation_embolization_tx:
no NA's
14 22

patient.follow_ups.follow_up.postoperative_rx_tx:
no yes NA's
11 3 22

```

patient.follow_ups.follow_up.radiation_therapy:

no NA's
14 22

patient.follow_ups.follow_up.vital_status:

alive dead NA's
13 2 21

patient.follow_ups.follow_up.year_of_form_completion:

2014 2015 NA's
12 3 21

patient.gender:

female male
20 16

patient.height:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
144.0	159.5	167.0	167.3	175.5	192.0	1

patient.history_hepato_carcinoma_risk_factors.hist_hepato_carc_fact.2:

diabetes mellitus non-alcoholic fatty liver disease	1	1
smoking	3	NA's 31

patient.history_hepato_carcinoma_risk_factors.hist_hepato_carc_fact.3:

smoking	NA's 35
1	

patient.history_hepato_carcinoma_risk_factors.hist_hepato_carcinoma_risk:

pancreatitis	NA's 35
1	

patient.history_of_neoadjuvant_treatment:

no yes
35 1

patient.icd_10:

c22.0	c22.1	c24.0
1	31	4

patient.icd_o_3_histology:

8160/3
36

patient.icd_o_3_site:

c22.0	c22.1	c24.0
1	31	4

patient.informed_consent_verified:

yes
36

patient.month_of_form_completion:
Min. 1st Qu. Median Mean 3rd Qu. Max.
3.000 5.000 5.000 5.694 7.000 12.000

patient.new_tumor_events.new_tumor_event.2.additional_pharmaceutical_therapy:
no yes NA's
1 4 31

patient.new_tumor_events.new_tumor_event.2.additional_radiation_therapy:
no yes NA's
3 2 31

patient.new_tumor_events.new_tumor_event.2.days_to_new_tumor_event_additional_surgery:
907 NA's
1 35

patient.new_tumor_events.new_tumor_event.2.days_to_new_tumor_event_after_initial_surgery:
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
72.0 168.0 240.0 271.2 337.5 561.0 30

patient.new_tumor_events.new_tumor_event.2.new_neoplasm_event_occurrence_anatomic_site:
bone liver lung other, specify NA's
2 1 2 1 30

patient.new_tumor_events.new_tumor_event.2.new_neoplasm_event_type:
extrahepatic recurrence intrahepatic recurrence NA's
5 1 30

patient.new_tumor_events.new_tumor_event.2.new_neoplasm_occurrence_anatomic_site:
mesentery, gerota's fascia, extensive involvement in chest
1
NA's
35

patient.new_tumor_events.new_tumor_event.2.new_tumor_event_ablation_embo_tx:
no NA's
5 31

patient.new_tumor_events.new_tumor_event.2.new_tumor_event_additional_surgery_primary:
no yes NA's
4 1 31

patient.new_tumor_events.new_tumor_event.2.new_tumor_event_liver_transplant:
no NA's
5 31

patient.new_tumor_events.new_tumor_event.2.residual_disease_new_tumor_event:
rx NA's
1 35

patient.new_tumor_events.new_tumor_event.3.additional_pharmaceutical_therapy:
 no yes NA's
 1 1 34

patient.new_tumor_events.new_tumor_event.3.additional_radiation_therapy:
 no NA's
 2 34

patient.new_tumor_events.new_tumor_event.3.days_to_new_tumor_event_after_initial
 264 896 NA's
 1 1 34

patient.new_tumor_events.new_tumor_event.3.new_neoplasm_event_occurrence_anatomical
 bone lung NA's
 1 1 34

patient.new_tumor_events.new_tumor_event.3.new_neoplasm_event_type:
 extrahepatic recurrence NA's
 2 34

patient.new_tumor_events.new_tumor_event.3.new_tumor_event_ablation_embo_tx:
 no NA's
 2 34

patient.new_tumor_events.new_tumor_event.3.new_tumor_event_additional_surgery_performed:
 no NA's
 2 34

patient.new_tumor_events.new_tumor_event.3.new_tumor_event_liver_transplant:
 no NA's
 2 34

patient.new_tumor_events.new_tumor_event.4.additional_pharmaceutical_therapy:
 no NA's
 1 35

patient.new_tumor_events.new_tumor_event.4.additional_radiation_therapy:
 yes NA's
 1 35

patient.new_tumor_events.new_tumor_event.4.days_to_new_tumor_event_additional_surgery_performed:
 1021 NA's
 1 35

patient.new_tumor_events.new_tumor_event.4.days_to_new_tumor_event_after_initial
 993 NA's
 1 35

patient.new_tumor_events.new_tumor_event.4.new_neoplasm_event_occurrence_anatomical
 bone NA's
 1 35

patient.new_tumor_events.new_tumor_event.4.new_neoplasm_event_type:
 extrahepatic recurrence NA's
 1 35

patient.new_tumor_events.new_tumor_event.4.new_tumor_event_ablation_embo_tx:
 no NA's
 1 35

patient.new_tumor_events.new_tumor_event.4.new_tumor_event_additional_surgery_pr
 yes NA's
 1 35

patient.new_tumor_events.new_tumor_event.4.new_tumor_event_liver_transplant:
 no NA's
 1 35

patient.new_tumor_events.new_tumor_event.4.residual_disease_new_tumor_event:
 rx NA's
 1 35

patient.new_tumor_events.new_tumor_event.additional_pharmaceutical_therapy:
 no yes NA's
 4 11 21

patient.new_tumor_events.new_tumor_event.additional_radiation_therapy:
 no yes NA's
 11 3 22

patient.new_tumor_events.new_tumor_event.days_to_new_tumor_event_additional_surg
 226 245 296 NA's
 1 1 1 33

patient.new_tumor_events.new_tumor_event.days_to_new_tumor_event_after_initial_t
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 17.0 95.0 217.0 211.9 281.0 424.0 19

patient.new_tumor_events.new_tumor_event.new_neoplasm_event_occurrence_anatomic_
 bone liver lung other, specify NA's
 1 9 2 2 22

patient.new_tumor_events.new_tumor_event.new_neoplasm_event_type:
 extrahepatic recurrence intrahepatic recurrence locoregional recurrence
 2 7 5
 new primary tumor NA's
 3 19

patient.new_tumor_events.new_tumor_event.new_neoplasm_occurrence_anatomic_site_t
 adrenal gland bladder NA's
 1 1 34

patient.new_tumor_events.new_tumor_event.new_tumor_event_ablation_embo_tx:

```

no yes NA's
13 1 22

patient.new_tumor_events.new_tumor_event.new_tumor_event_additional_surgery_proo
no yes NA's
11 4 21

patient.new_tumor_events.new_tumor_event.new_tumor_event_liver_transplant:
no NA's
12 24

patient.new_tumor_events.new_tumor_event.residual_disease_new_tumor_event:
r0 r1 NA's
2 2 32

patient.new_tumor_events.new_tumor_event_after_initial_treatment:
no yes NA's
13 17 6

patient.person_neoplasm_cancer_status:
tumor free with tumor NA's
15 19 2

patient.post_op_ablation_embolization_tx:
no NA's
33 3

patient.postoperative_rx_tx:
no yes NA's
23 10 3

patient.primary_pathology.age_at_initial_pathologic_diagnosis:
Min. 1st Qu. Median Mean 3rd Qu. Max.
29.00 56.50 66.50 63.03 72.00 82.00

patient.primary_pathology.albumin_result_lower_limit:
3.3 3.4 3.5 NA's
4 5 22 5

patient.primary_pathology.albumin_result_specified_value:
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
2.400 3.950 4.200 4.084 4.400 4.800 5

patient.primary_pathology.albumin_result_upper_limit:
4.7 4.8 5 NA's
1 9 21 5

patient.primary_pathology.bilirubin_lower_limit:
0 0.1 0.2 0.3 NA's
9 17 3 3 4

```

```

patient.primary_pathology.bilirubin_upper_limit:
  Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
  0.2000 0.4000 0.6000 0.6375 0.7000 1.7000 4

patient.primary_pathology.ca_19_9_level:
  Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
  1.0 25.5 48.4 343.6 202.0 6910.0 6

patient.primary_pathology.ca_19_9_level_lower:
  0 NA's
  28 8

patient.primary_pathology.ca_19_9_level_upper:
  Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
  35.00 36.95 55.00 48.35 55.00 55.00 5

patient.primary_pathology.child_pugh_classification_grade:
  a b NA's
  19 2 15

patient.primary_pathology.cholangitis_tissue_evidence:
  none NA's
  26 10

patient.primary_pathology.creatinine_lower_level:
  Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
  0.4000 0.6000 0.6000 0.6412 0.7000 0.9000 2

patient.primary_pathology.creatinine_upper_limit:
  Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
  1.000 1.100 1.100 1.188 1.300 1.400 2

patient.primary_pathology.creatinine_value_in_mg_dl:
  Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
  0.5000 0.8000 0.9000 0.8588 0.9750 1.4000 2

patient.primary_pathology.days_to_initial_pathologic_diagnosis:
  0
  36

patient.primary_pathology.fetoprotein_outcome_lower_limit:
  0 NA's
  25 11

patient.primary_pathology.fetoprotein_outcome_upper_limit:
  Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
  6.000 6.000 6.000 7.484 9.000 15.000 11

patient.primary_pathology.fetoprotein_outcome_value:
  Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
  1.380 2.350 3.000 3.753 4.075 14.000 12

```



```

patient.primary_pathology.total_bilirubin_upper_limit:
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.    NA's
  0.300  1.000  1.000  1.072  1.200  1.400    4

patient.primary_pathology.tumor_tissue_site:
bile duct
      36

patient.primary_pathology.vascular_tumor_cell_type:
micro none NA's
      5  29   2

patient.primary_pathology.year_of_initial_pathologic_diagnosis:
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.
  2005  2010   2011   2010  2012   2013

patient.prior_dx:
no yes
  30  6

patient.race:
              asian black or african american              white
                3                2                31

patient.radiation_therapy:
no NA's
  33  3

patient.radiations.radiation.anatomic_treatment_site:
distant recurrence              NA's
                1                35

patient.radiations.radiation.bcr_radiation_barcode:
tcga-3x-aava-r64408              NA's
                1                35

patient.radiations.radiation.bcr_radiation_uuid:
69454ccd-16f1-4e8a-8bd3-218fa9004560              NA's
                1                35

patient.radiations.radiation.day_of_form_completion:
  29 NA's
   1  35

patient.radiations.radiation.days_to_radiation_therapy_end:
  277 NA's
   1  35

patient.radiations.radiation.days_to_radiation_therapy_start:
  271 NA's
   1  35

```

```

patient.radiations.radiation.measure_of_response:
radiographic progressive disease          NA's
                                         1          35

patient.radiations.radiation.month_of_form_completion:
  8 NA's
  1  35

patient.radiations.radiation.numfractions:
  5 NA's
  1  35

patient.radiations.radiation.radiation_dosage:
2000 NA's
  1  35

patient.radiations.radiation.radiation_treatment_ongoing:
  no NA's
  1  35

patient.radiations.radiation.radiation_type:
external      NA's
  1           35

patient.radiations.radiation.units:
  cgy NA's
  1  35

patient.radiations.radiation.year_of_form_completion:
2014 NA's
  1  35

patient.relative_family_cancer_history:
  no  yes NA's
 12  21   3

patient.stage_event.system_version:
6th 7th
  7  29

patient.stage_event.tnm_categories.pathologic_categories.pathologic_m:
m0 m1 mx
28  5  3

patient.stage_event.tnm_categories.pathologic_categories.pathologic_n:
n0 n1 nx
26  5  5

patient.stage_event.tnm_categories.pathologic_categories.pathologic_t:
t1 t2 t2a t2b t3

```

19 6 2 4 5

patient.tissue_prospective_collection_indicator:

no yes

24 12

patient.tissue_retrospective_collection_indicator:

no yes

12 24

patient.vital_status:

alive dead

20 16

patient.weight:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.
49.00	66.50	76.50	79.53	89.50	128.00

patient.year_of_form_completion:

2013 2014

1 35

patient.bcr_canonical_check.bcr_patient_canonical_reasons.bcr_canonical_reason:

case matched expression control germline comparison

9

4

NA's

23

patient.bcr_canonical_check.bcr_patient_canonical_reasons.bcr_canonical_reason.2

case matched methylation control NA's

9

27

patient.bcr_canonical_check.bcr_patient_canonical_reasons.bcr_canonical_reason.3

germline comparison NA's

9

27

patient.bcr_canonical_check.bcr_patient_canonical_status:

canonical canonical - plus

23

13

patient.biospecimen_cqcf.consent_or_death_status:

consented waiver

34 2

patient.biospecimen_cqcf.country:

brazil canada italy united states vietnam

1

5

2

27

1

patient.biospecimen_cqcf.days_to_pathology_review:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.
5.0	311.2	700.0	939.7	1273.0	3061.0

5.0

311.2

700.0

939.7

1273.0

3061.0

patient.biospecimen_cqcf.days_to_sample_procurement:
 -6 0 1 7
 2 32 1 1

patient.biospecimen_cqcf.ethnicity:
 hispanic or latino not hispanic or latino NA's
 2 29 5

patient.biospecimen_cqcf.frozen_specimen_anatomic_site:
 bile duct
 36

patient.biospecimen_cqcf.histological_type:
 cholangiocarcinoma; distal cholangiocarcinoma; intrahepatic
 2 30
 NA's
 4

patient.biospecimen_cqcf.history_of_neoadjuvant_treatment:
 no
 35
 yes, pharmaceutical treatment prior to resection
 1

patient.biospecimen_cqcf.method_of_sample_procurement:
 surgical resection
 36

patient.biospecimen_cqcf.normal_controls.normal_control.2.days_to_normal_sample_
 0 590 NA's
 15 1 20

patient.biospecimen_cqcf.normal_controls.normal_control.2.method_of_normal_sampl
 blood draw surgical resection NA's
 2 14 20

patient.biospecimen_cqcf.normal_controls.normal_control.2.normal_tissue.normal_t
 liver NA's
 14 22

patient.biospecimen_cqcf.normal_controls.normal_control.2.normal_tissue.normal_t
 distal (>2cm) NA's
 14 22

patient.biospecimen_cqcf.normal_controls.normal_control.2.vial_number:
 1 NA's
 16 20

patient.biospecimen_cqcf.normal_controls.normal_control.days_to_normal_sample_pr

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.
-210.00	-17.25	-6.00	-3.50	0.00	451.00

patient.biospecimen_cqcf.normal_controls.normal_control.extracted_dna.ncedna_dna

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0.1000	0.1000	0.1000	0.1361	0.1890	0.2550	7

patient.biospecimen_cqcf.normal_controls.normal_control.extracted_dna.ncedna_dna

nanodrop	trinean	NA's
11	18	7

patient.biospecimen_cqcf.normal_controls.normal_control.extracted_dna.ncedna_dna

	15	20	NA's
	24	5	7

patient.biospecimen_cqcf.normal_controls.normal_control.extracted_dna.ncedna_dna

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
58.79	111.00	150.00	128.91	150.00	155.00	7

patient.biospecimen_cqcf.normal_controls.normal_control.method_of_normal_sample_

blood draw	surgical	resection
34		2

patient.biospecimen_cqcf.normal_controls.normal_control.normal_tissue.normal_tis

liver	NA's
2	34

patient.biospecimen_cqcf.normal_controls.normal_control.normal_tissue.normal_tis

distal (>2cm)	NA's
2	34

patient.biospecimen_cqcf.normal_controls.normal_control.vial_number:

1
36

patient.biospecimen_cqcf.path_confirm_diagnosis_matching:

no	yes
1	35

patient.biospecimen_cqcf.path_confirm_report_attached:

yes
36

patient.biospecimen_cqcf.path_confirm_tumor_necrosis_metrics:

yes
36

patient.biospecimen_cqcf.path_confirm_tumor_nuclei_metrics:

yes
36

patient.biospecimen_cqcf.race:

asian black or african american	white
2	31
NA's	
1	

patient.biospecimen_cqcf.reason_path_confirm_diagnosis_not_matching:
 macrodissection performed at tss to select for a region containing an acceptable

patient.biospecimen_cqcf.sample_prescreened:
 yes
 36

patient.biospecimen_cqcf.site_of_disease:
 bile duct
 36

patient.biospecimen_cqcf.tumor_samples.tumor_sample.2.bcr_sample_uuid:
 3e6a3029-7ce4-4675-afdd-09b73611aa3e NA's
 1 35

patient.biospecimen_cqcf.tumor_samples.tumor_sample.2.tumor_necrosis_percent:
 0 NA's
 1 35

patient.biospecimen_cqcf.tumor_samples.tumor_sample.2.tumor_nuclei_percent:
 60 NA's
 1 35

patient.biospecimen_cqcf.tumor_samples.tumor_sample.2.tumor_weight:
 200 NA's
 1 35

patient.biospecimen_cqcf.tumor_samples.tumor_sample.2.vial_number:
 1 NA's
 1 35

patient.biospecimen_cqcf.tumor_samples.tumor_sample.tumor_necrosis_percent:
 Min. 1st Qu. Median Mean 3rd Qu. Max.
 0.000 5.000 5.000 8.222 10.000 60.000

patient.biospecimen_cqcf.tumor_samples.tumor_sample.tumor_nuclei_percent:
 Min. 1st Qu. Median Mean 3rd Qu. Max.
 20.00 50.00 67.50 64.31 80.00 100.00

patient.biospecimen_cqcf.tumor_samples.tumor_sample.tumor_weight:
 Min. 1st Qu. Median Mean 3rd Qu. Max.
 35.0 172.5 200.0 205.1 200.0 510.0

patient.biospecimen_cqcf.tumor_samples.tumor_sample.vial_number:

1
36

patient.biospecimen_cqcf.vessel_used:

biospecimen storage bag	cryomold	cryovial
1	7	28

patient.days_to_index:

0
36

patient.samples.sample.2.days_to_collection:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.
28	416	928	1047	1344	3131

patient.samples.sample.2.initial_weight:

60	150	NA's
1	1	34

patient.samples.sample.2.is_ffpe:

no
36

patient.samples.sample.2.oct_embedded:

false	true
35	1

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.2.bi

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.
174190579	174190588	174190610	174190615	174190633	174190655

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.2.ce

9
36

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.2.co

0.07	0.08
16	20

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.2.da

28
36

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.2.is

no
36

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.2.mo
5
36

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.2.pl
Min. 1st Qu. Median Mean 3rd Qu. Max.
1.000 2.000 3.000 3.083 4.000 6.000

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.2.pl
a41a
36

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.2.qu
2.8 3.2
16 20

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.2.sc
23
36

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.2.vo
40
36

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.2.ye
2014
36

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.bios
Min. 1st Qu. Median Mean 3rd Qu. Max.
174189315 174189348 174190568 174190210 174190602 174190740

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.cent
1
36

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.conc
0.14 0.15 0.16 0.17
11 9 14 2

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.day_
28
36

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.is_d
no
36

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.mont

5
36

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.plat
 Min. 1st Qu. Median Mean 3rd Qu. Max.
 1.000 2.000 3.000 3.083 4.000 6.000

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.plat
 a419
 36

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.quant
 0.94 1.01 1.07 1.14
 11 9 14 2

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.sour
 23
 36

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.vol
 6.7
 36

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.year
 2014
 36

patient.samples.sample.2.portions.portion.analytes.analyte.amount:
 Min. 1st Qu. Median Mean 3rd Qu. Max.
 6.66 11.32 12.37 17.75 15.24 98.03

patient.samples.sample.2.portions.portion.analytes.analyte.analyte_type:
 dna
 36

patient.samples.sample.2.portions.portion.analytes.analyte.analyte_type_id:
 d
 36

patient.samples.sample.2.portions.portion.analytes.analyte.concentration:
 0.14 0.15 0.16 0.17
 11 9 14 2

patient.samples.sample.2.portions.portion.analytes.analyte.dna.normal_tumor_gen
 yes
 36

patient.samples.sample.2.portions.portion.analytes.analyte.dna.pcr_amplification
 yes

36

patient.samples.sample.2.portions.portion.analytes.analyte.gel_image_file:
<https://sharedoc.nchri.org/tcga-bcr/default.aspx>

36

patient.samples.sample.2.portions.portion.analytes.analyte.is_derived_from_ffpe:
no

36

patient.samples.sample.2.portions.portion.analytes.analyte.protocols.protocol.ex
adna preparation type pre-extracted dna received by tss

8

28

patient.samples.sample.2.portions.portion.analytes.analyte.spectrophotometer_met
picogreen

36

patient.samples.sample.2.portions.portion.analytes.analyte.subportion_sequence:

1 NA's

2 34

patient.samples.sample.2.portions.portion.day_of_creation:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.
6.0	13.0	13.0	16.5	18.0	30.0

patient.samples.sample.2.portions.portion.is_ffpe:

no

36

patient.samples.sample.2.portions.portion.month_of_creation:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.
1.000	1.000	1.000	3.583	4.250	12.000

patient.samples.sample.2.portions.portion.portion_number:

1 11

34 2

patient.samples.sample.2.portions.portion.portion_sequence:

1 NA's

1 35

patient.samples.sample.2.portions.portion.slides.slide.bcr_slide_barcode:

tcga-4g-aazo-11a-01-ts1	tcga-w5-aa2z-11a-01-tsa	NA's
1	1	34

patient.samples.sample.2.portions.portion.slides.slide.bcr_slide_uuid:

2933f8fc-ae3e-4df4-b469-acc4aa7f5d7c	8ac8dbde-0535-4232-b785-c355ba604e61
1	1

NA's

34

patient.samples.sample.2.portions.portion.slides.slide.image_file_name:
tcga-4g-aazo-11a-01-tsl1.8ac8dbde-0535-4232-b785-c355ba604e61.svs

1

tcga-w5-aa2z-11a-01-tsa.2933f8fc-ae3e-4df4-b469-acc4aa7f5d7c.svs

1

NA's

34

patient.samples.sample.2.portions.portion.slides.slide.is_derived_from_ffpe:

no NA's

2 34

patient.samples.sample.2.portions.portion.slides.slide.percent_lymphocyte_infiltration:

6 NA's

2 34

patient.samples.sample.2.portions.portion.slides.slide.percent_monocyte_infiltration:

0 NA's

2 34

patient.samples.sample.2.portions.portion.slides.slide.percent_necrosis:

0 NA's

2 34

patient.samples.sample.2.portions.portion.slides.slide.percent_neutrophil_infiltration:

0 NA's

2 34

patient.samples.sample.2.portions.portion.slides.slide.percent_normal_cells:

90 NA's

2 34

patient.samples.sample.2.portions.portion.slides.slide.percent_stromal_cells:

10 NA's

2 34

patient.samples.sample.2.portions.portion.slides.slide.percent_tumor_cells:

0 NA's

2 34

patient.samples.sample.2.portions.portion.slides.slide.percent_tumor_nuclei:

0 NA's

2 34

patient.samples.sample.2.portions.portion.slides.slide.section_location:

top NA's

2 34

patient.samples.sample.2.portions.portion.weight:

2 30 NA's

6 2 28

patient.samples.sample.2.portions.portion.year_of_creation:
 2013 2014
 8 28

patient.samples.sample.2.sample_type:
 blood derived normal solid tissue normal
 34 2

patient.samples.sample.2.sample_type_id:
 10 11
 34 2

patient.samples.sample.2.vial_number:
 a
 36

patient.samples.sample.3.days_to_collection:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
45	959	1238	1524	2542	3131	23

patient.samples.sample.3.initial_weight:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
80.0	150.0	190.0	185.4	240.0	320.0	23

patient.samples.sample.3.is_ffpe:
 no NA's
 13 23

patient.samples.sample.3.oct_embedded:
 false true NA's
 2 11 23

patient.samples.sample.3.portions.portion.analytes.analyte.2.a260_a280_ratio:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1.800	1.820	1.870	1.856	1.880	1.910	27

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.2.
 case matched expression control NA's
 9 27

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.2.

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
174164267	174164291	174164315	174169968	174164339	174189827	27

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.2.
 7 NA's

9 27

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.2.
0.16 0.17 0.18 NA's
4 4 1 27

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.2.
28 NA's
9 27

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.2.
no NA's
9 27

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.2.
5 NA's
9 27

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.2.
11 12 NA's
8 1 27

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.2.
a41i NA's
9 27

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.2.
2.08 2.21 2.34 NA's
4 4 1 27

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.2.
23 NA's
9 27

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.2.
13 NA's
9 27

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.2.
2014 NA's
9 27

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.bo
case matched expression control NA's
9 27

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.bi
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
174191626 174191650 174191674 174191668 174191698 174191701 27

```

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.ce
  13 NA's
  9 27

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.co
0.16 0.17 0.18 NA's
  4 4 1 27

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.da
  28 NA's
  9 27

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.is
no NA's
  9 27

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.mo
  5 NA's
  9 27

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.pl
  11 12 NA's
  8 1 27

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.pl
a41d NA's
  9 27

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.qu
  3.2 3.4 3.6 NA's
  4 4 1 27

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.so
  23 NA's
  9 27

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.vo
  20 NA's
  9 27

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.ye
2014 NA's
  9 27

patient.samples.sample.3.portions.portion.analytes.analyte.2.amount:
  Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
  33.10 47.57 59.85 56.06 67.55 77.18 27

patient.samples.sample.3.portions.portion.analytes.analyte.2.analyte_type:
rna NA's

```

9 27

patient.samples.sample.3.portions.portion.analytes.analyte.2.analyte_type_id:
r NA's
9 27

patient.samples.sample.3.portions.portion.analytes.analyte.2.concentration:
0.16 0.17 0.18 NA's
4 4 1 27

patient.samples.sample.3.portions.portion.analytes.analyte.2.gel_image_file:
<https://sharedoc.nchri.org/tcga-bcr/default.aspx>
9
NA's
27

patient.samples.sample.3.portions.portion.analytes.analyte.2.is_derived_from_ffp:
no NA's
9 27

patient.samples.sample.3.portions.portion.analytes.analyte.2.protocols.protocol:
mirvana (allprep dna) rna NA's
9 27

patient.samples.sample.3.portions.portion.analytes.analyte.2.rna.ratio_28s_18s:
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
1.060 1.180 1.320 1.294 1.370 1.540 27

patient.samples.sample.3.portions.portion.analytes.analyte.2.rna.rinvalue:
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
7.100 7.600 8.000 7.933 8.200 8.700 27

patient.samples.sample.3.portions.portion.analytes.analyte.2.spectrophotometer_m
uv spec NA's
9 27

patient.samples.sample.3.portions.portion.analytes.analyte.2.subportion_sequence:
1 NA's
9 27

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.2.bo
germline comparison NA's
13 23

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.2.bi
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
174189408 174189446 174190092 174190046 174190623 174190647 23

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.2.ce
9 NA's
13 23

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.2.co
0.07 0.08 0.09 NA's
1 10 2 23

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.2.da
28 NA's
13 23

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.2.is
no NA's
13 23

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.2.mo
5 NA's
13 23

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.2.pl
8 9 10 NA's
1 10 2 23

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.2.pl
a417 a41a NA's
9 4 23

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.2.qu
2.8 3.2 3.6 NA's
1 10 2 23

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.2.so
23 NA's
13 23

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.2.vo
40 NA's
13 23

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.2.ye
2014 NA's
13 23

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.3.bo
case matched methylation control NA's
9 27

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.3.bi

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
174190095	174190119	174190143	174190140	174190161	174190167	27

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.3.ce

5 NA's

9 27

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.3.co

0.14 0.15 0.16 0.17 NA's

1 2 3 3 27

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.3.da

28 NA's

9 27

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.3.is

no NA's

9 27

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.3.mo

5 NA's

9 27

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.3.pl

9 10 NA's

7 2 27

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.3.pl

a418 NA's

9 27

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.3.qu

1.82 1.95 2.08 2.21 NA's

1 2 3 3 27

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.3.so

23 NA's

9 27

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.3.vo

13 NA's

9 27

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.3.ye

2014 NA's

9 27

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.bcr_

germline comparison

NA's

13

23

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.bios
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 174189423 174189464 174189489 174189818 174190567 174190691 23

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.cent
 1 NA's
 13 23

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.conc
 0.14 0.15 0.16 0.17 NA's
 1 2 6 4 23

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.day_
 28 NA's
 13 23

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.is_d
 no NA's
 13 23

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.mont
 5 NA's
 13 23

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.plat
 8 9 10 NA's
 1 10 2 23

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.plat
 a416 a419 NA's
 9 4 23

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.quan
 0.94 1.01 1.07 1.14 NA's
 1 2 6 4 23

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.sour
 23 NA's
 13 23

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.vol
 6.7 NA's
 13 23

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.year
 2014 NA's
 13 23

patient.samples.sample.3.portions.portion.analytes.analyte.amount:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
11.22	16.49	20.81	20.46	23.84	31.17	23

patient.samples.sample.3.portions.portion.analytes.analyte.analyte_type:
dna NA's
13 23

patient.samples.sample.3.portions.portion.analytes.analyte.analyte_type_id:
d NA's
13 23

patient.samples.sample.3.portions.portion.analytes.analyte.concentration:
0.14 0.15 0.16 0.17 NA's
1 2 6 4 23

patient.samples.sample.3.portions.portion.analytes.analyte.dna.normal_tumor_gene:
yes NA's
13 23

patient.samples.sample.3.portions.portion.analytes.analyte.dna.pcr_amplification:
yes NA's
13 23

patient.samples.sample.3.portions.portion.analytes.analyte.gel_image_file:
<https://sharedoc.nchri.org/tcga-bcr/default.aspx>
13
NA's
23

patient.samples.sample.3.portions.portion.analytes.analyte.is_derived_from_ffpe:
no NA's
13 23

patient.samples.sample.3.portions.portion.analytes.analyte.protocols.protocol.ex:
adna preparation type NA's
13 23

patient.samples.sample.3.portions.portion.analytes.analyte.spectrophotometer_met:
picogreen NA's
13 23

patient.samples.sample.3.portions.portion.analytes.analyte.subportion_sequence:
1 NA's
13 23

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
13.00	20.00	20.00	20.54	23.00	27.00	23

patient.samples.sample.3.portions.portion.is_ffpe:
 no NA's
 13 23

patient.samples.sample.3.portions.portion.month_of_creation:
 1 4 12 NA's
 11 1 1 23

patient.samples.sample.3.portions.portion.portion_number:
 11 NA's
 13 23

patient.samples.sample.3.portions.portion.slides.slide.is_derived_from_ffpe:
 no NA's
 13 23

patient.samples.sample.3.portions.portion.slides.slide.percent_lymphocyte_infiltration:
 0 2 3 4 NA's
 4 5 1 3 23

patient.samples.sample.3.portions.portion.slides.slide.percent_monocyte_infiltration:
 0 1 NA's
 9 4 23

patient.samples.sample.3.portions.portion.slides.slide.percent_necrosis:
 0 NA's
 13 23

patient.samples.sample.3.portions.portion.slides.slide.percent_neutrophil_infiltration:
 0 2 3 NA's
 10 2 1 23

patient.samples.sample.3.portions.portion.slides.slide.percent_normal_cells:
 70 80 94 100 NA's
 1 2 1 9 23

patient.samples.sample.3.portions.portion.slides.slide.percent_stromal_cells:
 0 6 20 30 NA's
 9 1 2 1 23

patient.samples.sample.3.portions.portion.slides.slide.percent_tumor_cells:
 0 NA's
 13 23

patient.samples.sample.3.portions.portion.slides.slide.percent_tumor_nuclei:
 0 NA's
 13 23

```

patient.samples.sample.3.portions.portion.slides.slide.section_location:
top NA's
13 23

patient.samples.sample.3.portions.portion.weight:
30 NA's
13 23

patient.samples.sample.3.portions.portion.year_of_creation:
2013 2014 NA's
1 12 23

patient.samples.sample.3.sample_type:
solid tissue normal NA's
13 23

patient.samples.sample.3.sample_type_id:
11 NA's
13 23

patient.samples.sample.3.vial_number:
a NA's
13 23

patient.samples.sample.days_to_collection:
Min. 1st Qu. Median Mean 3rd Qu. Max.
28 416 928 1047 1344 3131

patient.samples.sample.diagnostic_slides.ffpe_slide_uuid.10:
862f3b72-f434-44e5-b04a-9397a3f3f8b6 NA's
1 35

patient.samples.sample.diagnostic_slides.ffpe_slide_uuid.2:
443ef23c-06bf-4706-b7b3-0c775479393f NA's
1 35

patient.samples.sample.diagnostic_slides.ffpe_slide_uuid.3:
e225a636-c3de-4263-9584-7c2fe9fc284a NA's
1 35

patient.samples.sample.diagnostic_slides.ffpe_slide_uuid.4:
441bfdcf-ef8a-4421-bd74-2e442da7534a NA's
1 35

patient.samples.sample.diagnostic_slides.ffpe_slide_uuid.5:
56844b4a-6156-4d41-9d1b-4968eb072934 NA's
1 35

patient.samples.sample.diagnostic_slides.ffpe_slide_uuid.6:

```

c5e84431-ba77-4697-a171-7cde92871a88 NA's
1 35

patient.samples.sample.diagnostic_slides.ffpe_slide_uuid.7:
a673d61d-4926-4c9e-9cba-cbfd0458e022 NA's
1 35

patient.samples.sample.diagnostic_slides.ffpe_slide_uuid.8:
fa47062a-99b8-4095-8747-1f97178ca7f3 NA's
1 35

patient.samples.sample.diagnostic_slides.ffpe_slide_uuid.9:
b427f36e-5326-4839-a3d4-440aba859721 NA's
1 35

patient.samples.sample.initial_weight:
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
60.0 120.0 200.0 230.6 265.0 740.0 1

patient.samples.sample.is_ffpe:
no
36

patient.samples.sample.oct_embedded:
false true
10 26

patient.samples.sample.portions.portion.analytes.analyte.2.a260_a280_ratio:
Min. 1st Qu. Median Mean 3rd Qu. Max.
1.710 1.820 1.860 1.849 1.880 1.940

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.2.bi
Min. 1st Qu. Median Mean 3rd Qu. Max.
174189802 174191573 174192131 174191806 174192157 174192183

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.2.ce
7
36

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.2.co
0.15 0.16 0.17 0.18
7 12 10 7

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.2.da
28
36

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.2.is

no
36

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.2.mo
5
36

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.2.pl
Min. 1st Qu. Median Mean 3rd Qu. Max.
1.000 2.000 3.000 2.861 4.000 8.000

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.2.pl
a4li
36

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.2.qu
1.95 2.08 2.21 2.34
7 12 10 7

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.2.sc
23
36

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.2.vo
13
36

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.2.ye
2014
36

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.bios
Min. 1st Qu. Median Mean 3rd Qu. Max.
174191616 174191641 174191666 174191667 174191689 174191711

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.cent
13
36

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.conc
0.15 0.16 0.17 0.18
7 12 10 7

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.day_
28
36

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.is_d
no

36

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.mont
5

36

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.plat
Min. 1st Qu. Median Mean 3rd Qu. Max.
1.000 2.000 3.000 2.861 4.000 8.000

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.plat
a41d

36

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.quant
3 3.2 3.4 3.6
7 12 10 7

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.sour
23

36

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.vol
20

36

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.year
2014

36

patient.samples.sample.portions.portion.analytes.analyte.2.amount:
Min. 1st Qu. Median Mean 3rd Qu. Max.
9.19 24.45 39.10 40.48 53.20 76.39

patient.samples.sample.portions.portion.analytes.analyte.2.analyte_type:
rna

36

patient.samples.sample.portions.portion.analytes.analyte.2.analyte_type_id:
r

36

patient.samples.sample.portions.portion.analytes.analyte.2.concentration:
0.15 0.16 0.17 0.18
7 12 10 7

patient.samples.sample.portions.portion.analytes.analyte.2.gel_image_file:
<https://sharedoc.nchri.org/tcga-bcr/default.aspx>

36

patient.samples.sample.portions.portion.analytes.analyte.2.is_derived_from_ffpe:
no
36

patient.samples.sample.portions.portion.analytes.analyte.2.protocols.protocol.ex
mirvana (allprep dna) rna
36

patient.samples.sample.portions.portion.analytes.analyte.2.rna.ratio_28s_18s:
Min. 1st Qu. Median Mean 3rd Qu. Max.
1.190 1.327 1.525 1.537 1.752 2.010

patient.samples.sample.portions.portion.analytes.analyte.2.rna.rinvalue:
Min. 1st Qu. Median Mean 3rd Qu. Max.
7.100 7.500 7.900 8.056 8.800 9.100

patient.samples.sample.portions.portion.analytes.analyte.2.spectrophotometer_met
uv spec
36

patient.samples.sample.portions.portion.analytes.analyte.2.subportion_sequence:
1 2 NA's
29 6 1

patient.samples.sample.portions.portion.analytes.analyte.aliqots.aliquot.2.bios
Min. 1st Qu. Median Mean 3rd Qu. Max.
174189410 174189445 174190082 174189850 174190117 174190646

patient.samples.sample.portions.portion.analytes.analyte.aliqots.aliquot.2.cent
9
36

patient.samples.sample.portions.portion.analytes.analyte.aliqots.aliquot.2.conc
0.07 0.08 0.09
3 31 2

patient.samples.sample.portions.portion.analytes.analyte.aliqots.aliquot.2.day_
28
36

patient.samples.sample.portions.portion.analytes.analyte.aliqots.aliquot.2.is_d
no
36

patient.samples.sample.portions.portion.analytes.analyte.aliqots.aliquot.2.mont
5
36

patient.samples.sample.portions.portion.analytes.analyte.aliqots.aliquot.2.plat

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.
1.000	2.000	3.000	3.083	4.000	6.000

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.2.plat
a417
36

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.
2.8	3.2	3.6			

3 31 2

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.2.sour
23
36

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.2.vol
40
36

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.2.year
2014
36

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.
174190099	174190108	174190130	174190142	174190154	174190413

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.3.cent
5
36

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.
0.15	0.16	0.17			

6 21 9

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.3.day_
28
36

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.3.is_d
no
36

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.3.mont
5
36

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.

	1.000	2.000	3.000	3.083	4.000	6.000
--	-------	-------	-------	-------	-------	-------

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.3.plat
a418
36

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.3.quan
1.95 2.08 2.21
6 21 9

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.3.sour
23
36

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.3.vol
13
36

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.3.year
2014
36

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.biospe	Min.	1st Qu.	Median	Mean	3rd Qu.	Max.
174189427	174189436	174189458	174189463	174189481	174189503	

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.center
1
36

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.concen
0.15 0.16 0.17
6 21 9

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.day_of
28
36

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.is_der
no
36

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.month_
5
36

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.plate_	Min.	1st Qu.	Median	Mean	3rd Qu.	Max.
	1.000	2.000	3.000	3.083	4.000	6.000

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.plate_
a416
36

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.quantit
1.01 1.07 1.14
6 21 9

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.source
23
36

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.volume
6.7
36

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.year_o
2014
36

patient.samples.sample.portions.portion.analytes.analyte.amount:
Min. 1st Qu. Median Mean 3rd Qu. Max.
8.77 19.84 27.36 26.48 31.89 48.17

patient.samples.sample.portions.portion.analytes.analyte.analyte_type:
dna
36

patient.samples.sample.portions.portion.analytes.analyte.analyte_type_id:
d
36

patient.samples.sample.portions.portion.analytes.analyte.concentration:
0.15 0.16 0.17
6 21 9

patient.samples.sample.portions.portion.analytes.analyte.dna.normal_tumor_genoty
yes
36

patient.samples.sample.portions.portion.analytes.analyte.dna.pcr_amplification_s
yes
36

patient.samples.sample.portions.portion.analytes.analyte.gel_image_file:
<https://sharedoc.nchri.org/tcga-bcr/default.aspx>
36

```
patient.samples.sample.portions.portion.analytes.analyte.is_derived_from_ffpe:
no
36
```

```
patient.samples.sample.portions.portion.analytes.analyte.protocols.protocol.exp
adna preparation type
36
```

```
patient.samples.sample.portions.portion.analytes.analyte.spectrophotometer_metho
picogreen
36
```

```
patient.samples.sample.portions.portion.analytes.analyte.subportion_sequence:
1 2 NA's
29 6 1
```

```
patient.samples.sample.portions.portion.day_of_creation:
Min. 1st Qu. Median Mean 3rd Qu. Max.
3.00 16.75 20.00 18.44 23.00 27.00
```

```
patient.samples.sample.portions.portion.is_ffpe:
no
36
```

```
patient.samples.sample.portions.portion.month_of_creation:
Min. 1st Qu. Median Mean 3rd Qu. Max.
1.000 1.000 1.000 3.694 4.000 12.000
```

```
patient.samples.sample.portions.portion.portion_number:
Min. 1st Qu. Median Mean 3rd Qu. Max.
11.00 11.00 11.00 16.44 12.00 72.00
```

```
patient.samples.sample.portions.portion.portion_sequence:
1 NA's
2 34
```

```
patient.samples.sample.portions.portion.slides.slide.is_derived_from_ffpe:
no
36
```

```
patient.samples.sample.portions.portion.slides.slide.percent_lymphocyte_infiltra
Min. 1st Qu. Median Mean 3rd Qu. Max.
0.000 1.500 3.000 6.028 4.250 80.000
```

```
patient.samples.sample.portions.portion.slides.slide.percent_monocyte_infiltrati
0 1 2 20
23 8 4 1
```

patient.samples.sample.portions.portion.slides.slide.percent_necrosis:
 Min. 1st Qu. Median Mean 3rd Qu. Max.
 0.000 0.000 0.000 1.472 1.000 15.000

patient.samples.sample.portions.portion.slides.slide.percent_neutrophil_infiltra
 Min. 1st Qu. Median Mean 3rd Qu. Max.
 0 0 0 1 2 5

patient.samples.sample.portions.portion.slides.slide.percent_normal_cells:
 0 4 10 15 35
 32 1 1 1 1

patient.samples.sample.portions.portion.slides.slide.percent_stromal_cells:
 Min. 1st Qu. Median Mean 3rd Qu. Max.
 0.0 0.0 20.0 20.5 34.5 75.0

patient.samples.sample.portions.portion.slides.slide.percent_tumor_cells:
 Min. 1st Qu. Median Mean 3rd Qu. Max.
 23.00 62.25 75.00 76.25 100.00 100.00

patient.samples.sample.portions.portion.slides.slide.percent_tumor_nuclei:
 Min. 1st Qu. Median Mean 3rd Qu. Max.
 60.00 63.75 70.00 71.67 75.00 95.00

patient.samples.sample.portions.portion.slides.slide.section_location:
 top
 36

patient.samples.sample.portions.portion.weight:
 10 30
 1 35

patient.samples.sample.portions.portion.year_of_creation:
 2013 2014
 8 28

patient.samples.sample.portions.shipment_portion.center_id:
 20 NA's
 30 6

patient.samples.sample.portions.shipment_portion.is_ffpe:
 no NA's
 30 6

patient.samples.sample.portions.shipment_portion.plate_id:
 a45n NA's
 30 6

patient.samples.sample.portions.shipment_portion.portion_number:
 21 31 41 81 NA's

```

26    1    2    1    6

patient.samples.sample.portions.shipment_portion.portion_sequence:
  2 NA's
  2   34

patient.samples.sample.portions.shipment_portion.shipment_portion_day_of_shipmen
 30 NA's
 30    6

patient.samples.sample.portions.shipment_portion.shipment_portion_month_of_shipm
  7 NA's
 30    6

patient.samples.sample.portions.shipment_portion.shipment_portion_year_of_shipme
2014 NA's
 30    6

patient.samples.sample.sample_type:
primary tumor
          36

patient.samples.sample.sample_type_id:
  1
 36

patient.samples.sample.vial_number:
  a
 36

```

COAD

Colon adenocarcinoma

Description

A document describing the TCGA cancer code

Details

```

> experiments( COAD )
ExperimentList class object of length 13:
 [1] CNASeq-20160128: RaggedExperiment with 40530 rows and 136 columns
 [2] CNASNP-20160128: RaggedExperiment with 459490 rows and 914 columns
 [3] CNVSNP-20160128: RaggedExperiment with 90534 rows and 914 columns
 [4] GISTIC_AllByGene-20160128: SummarizedExperiment with 24776 rows and 449 col
 [5] GISTIC_ThresholdedByGene-20160128: SummarizedExperiment with 24776 rows and
 [6] Methylation_methyl27-20160128: SummarizedExperiment with 27578 rows and 202
 [7] Methylation_methyl450-20160128: SummarizedExperiment with 485577 rows and 3
 [8] miRNASeqGene-20160128: SummarizedExperiment with 705 rows and 221 columns

```

```
[9] mRNAArray-20160128: SummarizedExperiment with 17814 rows and 172 columns
[10] Mutation-20160128: RaggedExperiment with 62530 rows and 154 columns
[11] RNASeq2GeneNorm-20160128: SummarizedExperiment with 20501 rows and 191 columns
[12] RNASeqGene-20160128: SummarizedExperiment with 20502 rows and 10 columns
[13] RPPAArray-20160128: SummarizedExperiment with 208 rows and 360 columns
```

```
> rownames( COAD )
```

```
CharacterList of length 13
```

```
[[ "CNASeq-20160128" ]] character(0)
[[ "CNASNP-20160128" ]] character(0)
[[ "CNVSNP-20160128" ]] character(0)
[[ "GISTIC_AllByGene-20160128" ]] ACAP3 ACTRT2 ... WASIR1|ENSG00000185203.7
[[ "GISTIC_ThresholdedByGene-20160128" ]] ACAP3 ... WASIR1|ENSG00000185203.7
[[ "Methylation_methyl27-20160128" ]] cg00000292 cg00002426 ... cg27665659
[[ "Methylation_methyl450-20160128" ]] cg00000029 cg00000108 ... rs9839873
[[ "miRNASeqGene-20160128" ]] hsa-let-7a-1 hsa-let-7a-2 ... hsa-mir-99b
[[ "mRNAArray-20160128" ]] ELMO2 CREB3L1 RPS11 PNMA1 ... SLC39A6 SNRPD2 AQP7 CTSC
[[ "Mutation-20160128" ]] character(0)
```

```
...
```

```
<3 more elements>
```

```
> colnames( COAD )
```

```
CharacterList of length 13
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[[ "CNASeq-20160128" ]] TCGA-A6-2671-01A-01D-1405-02 ...
[[ "CNASNP-20160128" ]] TCGA-3L-AA1B-01A-11D-A36W-01 ...
[[ "CNVSNP-20160128" ]] TCGA-3L-AA1B-01A-11D-A36W-01 ...
[[ "GISTIC_AllByGene-20160128" ]] TCGA-3L-AA1B-01A-11D-A36W-01 ...
[[ "GISTIC_ThresholdedByGene-20160128" ]] TCGA-3L-AA1B-01A-11D-A36W-01 ...
[[ "Methylation_methyl27-20160128" ]] TCGA-A6-2672-11A-01D-1551-05 ...
[[ "Methylation_methyl450-20160128" ]] TCGA-3L-AA1B-01A-11D-A36Y-05 ...
[[ "miRNASeqGene-20160128" ]] TCGA-A6-2675-01A-02T-1722-13 ...
[[ "mRNAArray-20160128" ]] TCGA-A6-2671-11A-01R-1758-07 ...
[[ "Mutation-20160128" ]] TCGA-A6-2672-01A-01W-0833-10 ...
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...
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<3 more elements>
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Sizes of each ExperimentList element:
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		assay	size.Mb
1		CNASeq-20160128	1.1 Mb
2		CNASNP-20160128	12.5 Mb
3		CNVSNP-20160128	2.7 Mb
4		GISTIC_AllByGene-20160128	4.4 Mb
5		GISTIC_ThresholdedByGene-20160128	4.4 Mb
6		Methylation_methyl27-20160128	4.4 Mb
7		Methylation_methyl450-20160128	67.4 Mb
8		miRNASeqGene-20160128	0.1 Mb
9		mRNAArray-20160128	1 Mb
10		Mutation-20160128	22.7 Mb
11		RNASeq2GeneNorm-20160128	1.1 Mb
12		RNASeqGene-20160128	1.1 Mb
13		RPPAArray-20160128	0 Mb

 Available sample meta-data:

years_to_birth:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
31.00	58.00	68.00	66.95	77.00	90.00	2

vital_status.x:

0	1
355	102

days_to_death.x:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0.0	176.8	404.0	683.1	1063.5	3042.0	355

days_to_last_followup.x:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
-2.0	426.2	730.0	911.2	1092.0	4502.0	103

tumor_tissue_site:

colon	NA's
456	1

gender.x:

female	male
216	241

date_of_initial_pathologic_diagnosis:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.
1998	2007	2009	2008	2010	2013

days_to_last_known_alive.x:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0.0	624.2	2169.5	2155.3	3745.8	3924.0	447

radiation_therapy:

no	yes	NA's
378	9	70

histological_type.x:

colon adenocarcinoma	colon mucinous adenocarcinoma
390	62
NA's	
5	

residual_tumor.x:

r0	r1	r2	rx	NA's
329	4	26	25	73

number_of_lymph_nodes:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0.000	0.000	0.000	2.058	2.000	50.000	25

race:

american indian or alaska native	1	asian	11
black or african american	59	white	213
NA's	173		

ethnicity:

hispanic or latino	4	not hispanic or latino	270	NA's	183
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admin.bcr:

nationwide children's hospital	457
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admin.day_of_dcc_upload:

1	16
456	1

admin.disease_code:

coad	457
------	-----

admin.month_of_dcc_upload:

4	10
1	456

admin.patient_withdrawal.withdrawn:

false	457
-------	-----

admin.project_code:

tcga	457
------	-----

admin.year_of_dcc_upload:

2014	2015
1	456

patient.additional_studies.additional_study.disease_code:

fppp	NA's
------	------

10 447

patient.additional_studies.additional_study.project_code:
tcga NA's

10 447

patient.age_at_initial_pathologic_diagnosis:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.
31.00	58.00	68.00	66.95	77.00	90.00

patient.braf_gene_analysis_performed:

no	yes	NA's
379	28	50

patient.braf_gene_analysis_result:

abnormal	normal	NA's
3	25	429

patient.circumferential_resection_margin:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0.00	4.00	20.00	29.31	40.00	165.00	387

patient.clinical_cqcf.consent_or_death_status:

consented	deceased
436	21

patient.clinical_cqcf.days_to_consent:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
-374.00	0.00	0.00	12.90	24.25	1247.00	21

patient.clinical_cqcf.days_to_death:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0.0	176.0	427.0	754.8	899.0	3042.0	436

patient.clinical_cqcf.histological_type:

colon adenocarcinoma	colon mucinous adenocarcinoma
392	64
NA's	
1	

patient.clinical_cqcf.history_of_neoadjuvant_treatment:

no	yes, radiation prior to resection
456	1

patient.clinical_cqcf.history_of_prior_malignancy:

no
395
yes, history of prior malignancy

59
 yes, history of synchronous and or bilateral malignancy
 3

patient.clinical_cqcf.normal_tissue_proximity:
 distal (>2cm) NA's
 80 377

patient.clinical_cqcf.other_anatomic_site_normal_tissue:
 blood NA's
 17 440

patient.clinical_cqcf.tumor_type:
 primary
 457

patient.colon_polyps_present:
 no yes NA's
 146 80 231

patient.day_of_form_completion:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 1.00 15.00 18.00 16.93 19.00 31.00 25

patient.days_to_birth:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 -32873 -28444 -25143 -24623 -21519 -11391 2

patient.days_to_death:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 0.0 115.8 362.5 630.5 818.2 3042.0 401

patient.days_to_initial_pathologic_diagnosis:
 0
 457

patient.days_to_last_followup:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 -2 0 42 360 296 4122 46

patient.days_to_last_known_alive:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 0.0 624.2 2169.5 2155.3 3745.8 3924.0 447

patient.drugs.drug.10.day_of_form_completion:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 9.0 14.5 18.5 17.0 19.0 23.0 447

patient.drugs.drug.10.days_to_drug_therapy_end:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
178.0	564.2	729.5	774.0	1003.2	1443.0	449

patient.drugs.drug.10.days_to_drug_therapy_start:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
24.0	375.2	596.0	574.2	738.2	1041.0	447

patient.drugs.drug.10.measure_of_response:

clinical progressive disease	partial response
1	1
NA's	
455	

patient.drugs.drug.10.month_of_form_completion:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1.0	1.0	3.0	4.5	7.0	11.0	447

patient.drugs.drug.10.number_cycles:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
3.00	7.75	11.00	9.50	12.00	13.00	451

patient.drugs.drug.10.prescribed_dose_units:

mg	mg/m2	NA's
5	1	451

patient.drugs.drug.10.regimen_indication:

adjuvant	progression	recurrence	NA's
1	5	1	450

patient.drugs.drug.10.regimen_number:

1	2	3	NA's
2	4	1	450

patient.drugs.drug.10.route_of_administrations.route_of_administration:

intravenous (iv)	NA's
5	452

patient.drugs.drug.10.therapy_ongoing:

no	yes	NA's
8	2	447

patient.drugs.drug.10.therapy_types.therapy_type:

chemotherapy	targeted	molecular	therapy
9			1
NA's			
447			

patient.drugs.drug.10.total_dose:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
715	2981	6536	6215	9025	11850	451

patient.drugs.drug.10.total_dose_units:

mg	mg/m2	NA's
5	1	451

patient.drugs.drug.10.tx_on_clinical_trial:

no	NA's
3	454

patient.drugs.drug.10.year_of_form_completion:

2010	2011	2012	2014	NA's
1	2	6	1	447

patient.drugs.drug.11.day_of_form_completion:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
7.00	12.50	18.00	15.86	19.00	23.00	450

patient.drugs.drug.11.days_to_drug_therapy_end:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
350.0	474.8	740.0	737.3	758.5	1443.0	451

patient.drugs.drug.11.days_to_drug_therapy_start:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
301.0	443.5	641.0	588.6	697.5	896.0	450

patient.drugs.drug.11.measure_of_response:

clinical	progressive disease	partial response
	1	1
	NA's	
	455	

patient.drugs.drug.11.month_of_form_completion:

1	6	7	10	NA's
3	1	2	1	450

patient.drugs.drug.11.number_cycles:

3	23	NA's
2	1	454

patient.drugs.drug.11.prescribed_dose:

140	500	760	NA's
1	1	1	454

patient.drugs.drug.11.prescribed_dose_units:

mg	NA's
3	454

patient.drugs.drug.11.regimen_indication:

progression	NA's
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4 453

patient.drugs.drug.11.regimen_number:

2 NA's
4 453

patient.drugs.drug.11.route_of_administrations.route_of_administration:

intravenous (iv) intravesical NA's
2 1 454

patient.drugs.drug.11.therapy_ongoing:

no yes NA's
6 1 450

patient.drugs.drug.11.therapy_types.therapy_type:

chemotherapy other, specify
5 1
targeted molecular therapy NA's
1 450

patient.drugs.drug.11.therapy_types.therapy_type_notes:

ancillary NA's
1 456

patient.drugs.drug.11.total_dose:

420 1500 11210 NA's
1 1 1 454

patient.drugs.drug.11.total_dose_units:

mg NA's
3 454

patient.drugs.drug.11.tx_on_clinical_trial:

no NA's
3 454

patient.drugs.drug.11.year_of_form_completion:

2010 2011 2012 2014 NA's
1 1 4 1 450

patient.drugs.drug.12.day_of_form_completion:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
7.0	9.0	16.0	14.8	19.0	23.0	452

patient.drugs.drug.12.days_to_drug_therapy_end:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
635	756	883	1010	1181	1596	452

patient.drugs.drug.12.days_to_drug_therapy_start:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
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patient.drugs.drug.12.tx_on_clinical_trial:

no NA's
2 455

patient.drugs.drug.12.year_of_form_completion:

2011 2012 2014 NA's
1 3 1 452

patient.drugs.drug.13.day_of_form_completion:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
7	16	19	19	23	30	452

patient.drugs.drug.13.days_to_drug_therapy_end:

635 739 1596 1636 NA's
1 1 1 1 453

patient.drugs.drug.13.days_to_drug_therapy_start:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
301.0	551.0	1161.0	966.6	1377.0	1443.0	452

patient.drugs.drug.13.measure_of_response:

clinical progressive disease	NA's
1	456

patient.drugs.drug.13.month_of_form_completion:

1	6	7	9	NA's
2	1	1	1	452

patient.drugs.drug.13.number_cycles:

12 13 NA's
1 1 455

patient.drugs.drug.13.prescribed_dose:

300-325 3600 NA's
1 1 455

patient.drugs.drug.13.prescribed_dose_units:

mg	mg/day	NA's
1	1	455

patient.drugs.drug.13.regimen_indication:

progression	NA's
3	454

patient.drugs.drug.13.regimen_number:

2	3	4	NA's
1	1	1	454

patient.drugs.drug.13.route_of_administrations.route_of_administration:
 intravenous (iv) oral NA's
 1 1 455

patient.drugs.drug.13.therapy_ongoing:
 no yes NA's
 4 1 452

patient.drugs.drug.13.therapy_types.therapy_type:
 chemotherapy targeted molecular therapy
 4 1
 NA's
 452

patient.drugs.drug.13.total_dose:
 3775 655200 NA's
 1 1 455

patient.drugs.drug.13.total_dose_units:
 mg NA's
 2 455

patient.drugs.drug.13.tx_on_clinical_trial:
 no NA's
 2 455

patient.drugs.drug.13.year_of_form_completion:
 2011 2012 2014 NA's
 1 3 1 452

patient.drugs.drug.14.day_of_form_completion:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 7 16 19 19 23 30 452

patient.drugs.drug.14.days_to_drug_therapy_end:
 103 637 711 1994 NA's
 1 1 1 1 453

patient.drugs.drug.14.days_to_drug_therapy_start:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 33.0 301.0 551.0 777.2 1161.0 1840.0 452

patient.drugs.drug.14.measure_of_response:
 clinical progressive disease NA's
 1 456

patient.drugs.drug.14.month_of_form_completion:
 1 6 7 9 NA's
 2 1 1 1 452

patient.drugs.drug.14.number_cycles:

9 10 NA's
1 1 455

patient.drugs.drug.14.prescribed_dose:

300-320 325 5 NA's
1 1 1 454

patient.drugs.drug.14.prescribed_dose_units:

mg mg/kg NA's
2 1 454

patient.drugs.drug.14.regimen_indication:

adjuvant progression NA's
1 2 454

patient.drugs.drug.14.regimen_number:

1 2 5 NA's
1 1 1 454

patient.drugs.drug.14.route_of_administrations.route_of_administration:

intravenous (iv) NA's
3 454

patient.drugs.drug.14.therapy_ongoing:

no yes NA's
4 1 452

patient.drugs.drug.14.therapy_types.therapy_type:

chemotherapy NA's
5 452

patient.drugs.drug.14.total_dose:

2890 3240 NA's
1 1 455

patient.drugs.drug.14.total_dose_units:

mg NA's
2 455

patient.drugs.drug.14.tx_on_clinical_trial:

no NA's
2 455

patient.drugs.drug.14.year_of_form_completion:

2011 2012 2014 NA's
1 3 1 452

patient.drugs.drug.15.bcr_drug_barcode:

tcga-a6-2671-d12770 tcga-f4-6806-d65813 tcga-g4-6297-d22071 tcga-g4-6303-d21794
1 1 1 1

NA's
453

patient.drugs.drug.15.bcr_drug_uuid:
3bae1404-d8d7-407f-b349-e6868293cd6b 5ceb94a7-d009-4796-a6b3-e5d560cc9b81
1 1
8425101a-756c-410d-81a8-2076b80de3bb 9859896f-c740-4094-96ad-102b312c4b6b
1 1
NA's
453

patient.drugs.drug.15.day_of_form_completion:
7 19 23 30 NA's
1 1 1 1 453

patient.drugs.drug.15.days_to_drug_therapy_end:
103 754 1994 NA's
1 1 1 454

patient.drugs.drug.15.days_to_drug_therapy_start:
33 551 1161 1840 NA's
1 1 1 1 453

patient.drugs.drug.15.drug_name:
5 fu 5-fu bevacizumab oxaliplatin NA's
1 1 1 1 453

patient.drugs.drug.15.month_of_form_completion:
1 6 9 NA's
2 1 1 453

patient.drugs.drug.15.number_cycles:
10 13 NA's
1 1 455

patient.drugs.drug.15.prescribed_dose:
85 725 NA's
1 1 455

patient.drugs.drug.15.prescribed_dose_units:
mg mg/m2 NA's
1 1 455

patient.drugs.drug.15.regimen_indication:
adjuvant progression NA's
1 2 454

patient.drugs.drug.15.regimen_number:
1 2 5 NA's
1 1 1 454

patient.drugs.drug.15.route_of_administrations.route_of_administration:

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intravenous (iv)                NA's
                                3          454

patient.drugs.drug.15.therapy_ongoing:
  no  yes NA's
  3   1  453

patient.drugs.drug.15.therapy_types.therapy_type:
      chemotherapy targeted molecular therapy
              3                               1
      NA's
      453

patient.drugs.drug.15.total_dose:
9425 NA's
  1  456

patient.drugs.drug.15.total_dose_units:
  mg NA's
  1  456

patient.drugs.drug.15.tx_on_clinical_trial:
  no NA's
  1  456

patient.drugs.drug.15.year_of_form_completion:
2011 2012 2014 NA's
  1   2   1  453

patient.drugs.drug.16.bcr_drug_barcode:
tcga-a6-2671-d31097                NA's
                                1          456

patient.drugs.drug.16.bcr_drug_uuid:
3254ea81-298b-461f-9e51-2daa00fb9c60 NA's
                                1          456

patient.drugs.drug.16.day_of_form_completion:
  24 NA's
  1  456

patient.drugs.drug.16.days_to_drug_therapy_end:
  984 NA's
  1  456

patient.drugs.drug.16.days_to_drug_therapy_start:
  844 NA's
  1  456

patient.drugs.drug.16.drug_name:
irinotecan                NA's
  1          456

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patient.drugs.drug.16.measure_of_response:
clinical progressive disease          NA's
                                   1          456

patient.drugs.drug.16.month_of_form_completion:
  4 NA's
  1 456

patient.drugs.drug.16.therapy_ongoing:
no NA's
  1 456

patient.drugs.drug.16.therapy_types.therapy_type:
chemotherapy          NA's
                   1          456

patient.drugs.drug.16.tx_on_clinical_trial:
no NA's
  1 456

patient.drugs.drug.16.year_of_form_completion:
2012 NA's
  1 456

patient.drugs.drug.17.bcr_drug_barcode:
tcga-a6-2671-d31177          NA's
                   1          456

patient.drugs.drug.17.bcr_drug_uuid:
28b4628d-26ff-4ffe-998d-3alde2be56b8          NA's
                                               1          456

patient.drugs.drug.17.day_of_form_completion:
 24 NA's
  1 456

patient.drugs.drug.17.days_to_drug_therapy_end:
844 NA's
  1 456

patient.drugs.drug.17.days_to_drug_therapy_start:
844 NA's
  1 456

patient.drugs.drug.17.drug_name:
5-fu NA's
  1 456

patient.drugs.drug.17.measure_of_response:
clinical progressive disease          NA's
                                   1          456

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patient.drugs.drug.17.month_of_form_completion:

4 NA's
1 456

patient.drugs.drug.17.therapy_ongoing:

no NA's
1 456

patient.drugs.drug.17.therapy_types.therapy_type:

chemotherapy NA's
1 456

patient.drugs.drug.17.tx_on_clinical_trial:

no NA's
1 456

patient.drugs.drug.17.year_of_form_completion:

2012 NA's
1 456

patient.drugs.drug.18.bcr_drug_barcode:

tcga-a6-2671-d31178 NA's
1 456

patient.drugs.drug.18.bcr_drug_uuid:

9ef7c5d5-470f-4586-8ff2-adb6b1db8667 NA's
1 456

patient.drugs.drug.18.day_of_form_completion:

24 NA's
1 456

patient.drugs.drug.18.days_to_drug_therapy_end:

844 NA's
1 456

patient.drugs.drug.18.days_to_drug_therapy_start:

844 NA's
1 456

patient.drugs.drug.18.drug_name:

leucovorin NA's
1 456

patient.drugs.drug.18.measure_of_response:

clinical progressive disease NA's
1 456

patient.drugs.drug.18.month_of_form_completion:

4 NA's
1 456

```

patient.drugs.drug.18.therapy_ongoing:
  no NA's
  1 456

patient.drugs.drug.18.therapy_types.therapy_type:
  ancillary      NA's
  1              456

patient.drugs.drug.18.tx_on_clinical_trial:
  no NA's
  1 456

patient.drugs.drug.18.year_of_form_completion:
  2012 NA's
  1 456

patient.drugs.drug.19.bcr_drug_barcode:
  tcga-a6-2671-d31179      NA's
  1                          456

patient.drugs.drug.19.bcr_drug_uuid:
  0b9b3648-918f-4f14-a9c8-5cd58d935ed7      NA's
  1                                              456

patient.drugs.drug.19.day_of_form_completion:
  24 NA's
  1 456

patient.drugs.drug.19.days_to_drug_therapy_end:
  846 NA's
  1 456

patient.drugs.drug.19.days_to_drug_therapy_start:
  844 NA's
  1 456

patient.drugs.drug.19.drug_name:
  5-fu NA's
  1 456

patient.drugs.drug.19.measure_of_response:
  clinical progressive disease      NA's
  1                                  456

patient.drugs.drug.19.month_of_form_completion:
  4 NA's
  1 456

patient.drugs.drug.19.therapy_ongoing:
  no NA's
  1 456

```

patient.drugs.drug.19.therapy_types.therapy_type:
 chemotherapy NA's
 1 456

patient.drugs.drug.19.tx_on_clinical_trial:
 no NA's
 1 456

patient.drugs.drug.19.year_of_form_completion:
 2012 NA's
 1 456

patient.drugs.drug.2.day_of_form_completion:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 1.00 3.00 11.50 12.89 19.75 31.00 335

patient.drugs.drug.2.days_to_drug_therapy_end:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 41.0 189.0 221.0 280.9 258.0 1838.0 344

patient.drugs.drug.2.days_to_drug_therapy_start:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 0.0 40.0 61.0 117.1 92.0 1596.0 336

patient.drugs.drug.2.measure_of_response:
 clinical progressive disease complete response
 14 36
 partial response stable disease
 7 1
 NA's
 399

patient.drugs.drug.2.month_of_form_completion:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 1.000 3.000 8.000 6.975 12.000 12.000 335

patient.drugs.drug.2.number_cycles:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 1.000 4.250 12.000 9.037 12.000 16.000 403

patient.drugs.drug.2.prescribed_dose_units:
 g/day mg mg/m2 ug NA's
 1 45 6 1 404

patient.drugs.drug.2.regimen_indication:
 adjuvant other: specify in notes palliative
 47 2 3

		progression					NA's
		4					401

patient.drugs.drug.2.regimen_indication_notes:

metastatic		NA's					
2		455					

patient.drugs.drug.2.regimen_number:

1	2	3	4	NA's			
49	2	2	1	403			

patient.drugs.drug.2.route_of_administrations.route_of_administration:

intravenous (iv)		oral	subcutaneous (sc)			NA's
51		2		1		403

patient.drugs.drug.2.therapy_ongoing:

no	yes	NA's				
116	6	335				

patient.drugs.drug.2.total_dose:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
40	1595	6482	11786	10122	60300	409

patient.drugs.drug.2.total_dose_units:

g/day	mg	mg/m2	ug	NA's		
1	45	1	1	409		

patient.drugs.drug.2.tx_on_clinical_trial:

no	yes	NA's				
64	2	391				

patient.drugs.drug.2.year_of_form_completion:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
2010	2011	2012	2012	2012	2015	335

patient.drugs.drug.20.bcr_drug_barcode:

tcga-a6-2671-d31180		NA's				
	1	456				

patient.drugs.drug.20.bcr_drug_uuid:

386e2918-33c5-4df0-a196-28864d9a87e3						NA's
	1					456

patient.drugs.drug.20.day_of_form_completion:

24	NA's					
1	456					

patient.drugs.drug.20.days_to_drug_therapy_end:

984	NA's					
1	456					

patient.drugs.drug.20.days_to_drug_therapy_start:
 844 NA's
 1 456

patient.drugs.drug.20.drug_name:
 avastin NA's
 1 456

patient.drugs.drug.20.measure_of_response:
 clinical progressive disease NA's
 1 456

patient.drugs.drug.20.month_of_form_completion:
 4 NA's
 1 456

patient.drugs.drug.20.therapy_ongoing:
 no NA's
 1 456

patient.drugs.drug.20.therapy_types.therapy_type:
 targeted molecular therapy NA's
 1 456

patient.drugs.drug.20.tx_on_clinical_trial:
 no NA's
 1 456

patient.drugs.drug.20.year_of_form_completion:
 2012 NA's
 1 456

patient.drugs.drug.21.bcr_drug_barcode:
 tcga-a6-2671-d31182 NA's
 1 456

patient.drugs.drug.21.bcr_drug_uuid:
 b57bfe0a-f932-417b-b510-dc6c1800c1a7 NA's
 1 456

patient.drugs.drug.21.day_of_form_completion:
 24 NA's
 1 456

patient.drugs.drug.21.days_to_drug_therapy_end:
 1105 NA's
 1 456

patient.drugs.drug.21.days_to_drug_therapy_start:
 1041 NA's
 1 456


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patient.drugs.drug.21.drug_name:
irinotecan      NA's
      1      456

patient.drugs.drug.21.measure_of_response:
clinical progressive disease      NA's
      1      456

patient.drugs.drug.21.month_of_form_completion:
  4 NA's
  1 456

patient.drugs.drug.21.therapy_ongoing:
no NA's
  1 456

patient.drugs.drug.21.therapy_types.therapy_type:
chemotherapy      NA's
      1      456

patient.drugs.drug.21.tx_on_clinical_trial:
no NA's
  1 456

patient.drugs.drug.21.year_of_form_completion:
2012 NA's
  1 456

patient.drugs.drug.22.bcr_drug_barcode:
tcga-a6-2671-d31184      NA's
      1      456

patient.drugs.drug.22.bcr_drug_uuid:
f8603c4a-b9ed-4efa-a9d1-07b84ae5c330      NA's
      1      456

patient.drugs.drug.22.day_of_form_completion:
  24 NA's
  1 456

patient.drugs.drug.22.days_to_drug_therapy_end:
1091 NA's
  1 456

patient.drugs.drug.22.days_to_drug_therapy_start:
1041 NA's
  1 456

patient.drugs.drug.22.drug_name:
erbitux      NA's
      1      456

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patient.drugs.drug.22.measure_of_response:
clinical progressive disease          NA's
                                     1          456

patient.drugs.drug.22.month_of_form_completion:
  4 NA's
  1 456

patient.drugs.drug.22.therapy_ongoing:
no NA's
  1 456

patient.drugs.drug.22.therapy_types.therapy_type:
targeted molecular therapy          NA's
                                     1          456

patient.drugs.drug.22.tx_on_clinical_trial:
no NA's
  1 456

patient.drugs.drug.22.year_of_form_completion:
2012 NA's
  1 456

patient.drugs.drug.3.day_of_form_completion:
  Min. 1st Qu.  Median   Mean 3rd Qu.   Max.   NA's
    1.0    3.0   12.0   13.4   21.0   31.0   344

patient.drugs.drug.3.days_to_drug_therapy_end:
  Min. 1st Qu.  Median   Mean 3rd Qu.   Max.   NA's
  54.0  196.8  232.5  292.6  276.8 1369.0  353

patient.drugs.drug.3.days_to_drug_therapy_start:
  Min. 1st Qu.  Median   Mean 3rd Qu.   Max.   NA's
   0.00  41.75  61.00 141.69 112.50 1377.00  345

patient.drugs.drug.3.measure_of_response:
clinical progressive disease          complete response
                                     13          30
      partial response          stable disease
                                     5          3
                                     NA's
                                     406

patient.drugs.drug.3.month_of_form_completion:
  Min. 1st Qu.  Median   Mean 3rd Qu.   Max.   NA's
  1.000  3.000  8.000  6.956 12.000 12.000  344

```

patient.drugs.drug.3.number_cycles:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1.00	6.00	11.00	10.11	12.00	61.00	402

patient.drugs.drug.3.prescribed_dose_units:

mg	mg/day	mg/kg	mg/m2	NA's
47	1	1	5	403

patient.drugs.drug.3.regimen_indication:

adjuvant	other: specify in notes	palliative
45	2	2
progression	NA's	
7	401	

patient.drugs.drug.3.regimen_indication_notes:

metastatic	NA's
2	455

patient.drugs.drug.3.regimen_number:

1	2	3	4	NA's
46	5	2	1	403

patient.drugs.drug.3.route_of_administrations.route_of_administration:

intrahepatic	intravenous (iv)	subcutaneous (sc)	NA's
1	51	3	402

patient.drugs.drug.3.therapy_ongoing:

no	yes	NA's
106	7	344

patient.drugs.drug.3.therapy_types.therapy_type:

ancillary	chemotherapy	immunotherapy	other, specify	NA's
5	85	4	19	344

patient.drugs.drug.3.therapy_types.therapy_type_notes:

ancillary	ancillary agent phase iii clinical trial
14	3
NA's	
439	

patient.drugs.drug.3.total_dose:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
42	1140	3455	9947	9934	101059	407

patient.drugs.drug.3.total_dose_units:

mg	mg/day	mg/kg	mg/m2	NA's
47	1	1	1	407

patient.drugs.drug.3.tx_on_clinical_trial:

no	yes	NA's
55	2	400

patient.drugs.drug.3.year_of_form_completion:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 2010 2011 2012 2012 2012 2015 344

patient.drugs.drug.4.day_of_form_completion:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 1.00 7.25 15.00 15.33 23.25 31.00 393

patient.drugs.drug.4.days_to_drug_therapy_end:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 76.0 209.5 240.0 339.1 303.0 1994.0 402

patient.drugs.drug.4.days_to_drug_therapy_start:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 1.0 49.5 76.0 184.3 139.0 1840.0 394

patient.drugs.drug.4.measure_of_response:
 clinical progressive disease complete response
 11 5
 partial response stable disease
 3 1
 NA's
 437

patient.drugs.drug.4.month_of_form_completion:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 1.000 2.750 8.500 7.141 11.000 12.000 393

patient.drugs.drug.4.number_cycles:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 1.00 8.25 12.00 10.11 12.00 23.00 419

patient.drugs.drug.4.prescribed_dose_units:
 mg mg/m2 NA's
 35 1 421

patient.drugs.drug.4.regimen_indication:
 adjuvant other: specify in notes palliative
 33 2 2
 progression NA's
 2 418

patient.drugs.drug.4.regimen_indication_notes:
 metastatic NA's
 2 455

patient.drugs.drug.4.regimen_number:

partial response	stable disease
2	2
NA's	
443	

patient.drugs.drug.5.month_of_form_completion:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1.000	2.500	8.000	6.882	10.750	12.000	423

patient.drugs.drug.5.number_cycles:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
2.000	4.500	10.000	9.733	12.000	23.000	442

patient.drugs.drug.5.prescribed_dose_units:

mg	NA's
14	443

patient.drugs.drug.5.regimen_indication:

adjuvant	other: specify in notes	palliative
9	1	2
progression	NA's	
4	441	

patient.drugs.drug.5.regimen_indication_notes:

metastatic	NA's
1	456

patient.drugs.drug.5.regimen_number:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1.00	1.00	1.00	1.75	2.00	6.00	441

patient.drugs.drug.5.route_of_administrations.route_of_administration:

intravenous (iv)	NA's
15	442

patient.drugs.drug.5.therapy_ongoing:

no	yes	NA's
29	5	423

patient.drugs.drug.5.therapy_types.therapy_type:

chemotherapy	immunotherapy
19	2
other, specify	targeted molecular therapy
5	8
NA's	
423	

patient.drugs.drug.5.therapy_types.therapy_type_notes:

ancillary	ancillary agent	NA's
3	2	452

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patient.drugs.drug.5.total_dose:
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.    NA's
    300   1860   3875   6125   6974   21800   443

patient.drugs.drug.5.total_dose_units:
  mg NA's
   14 443

patient.drugs.drug.5.tx_on_clinical_trial:
  no  yes NA's
   16   2 439

patient.drugs.drug.5.year_of_form_completion:
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.    NA's
 2010   2011   2012   2012   2012   2015   423

patient.drugs.drug.6.day_of_form_completion:
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.    NA's
   1.0    8.0   15.0   14.7   20.0   29.0   434

patient.drugs.drug.6.days_to_drug_therapy_end:
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.    NA's
113.0  248.5  350.0  507.7  721.5 1369.0   438

patient.drugs.drug.6.days_to_drug_therapy_start:
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.    NA's
   1.0  125.5  301.0  377.8  533.5 1246.0   434

patient.drugs.drug.6.measure_of_response:
clinical progressive disease          complete response
                                4                                2
                                partial response          stable disease
                                1                                2
                                NA's
                                448

patient.drugs.drug.6.month_of_form_completion:
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.    NA's
 1.000  1.500  7.000  6.348 10.500 12.000   434

patient.drugs.drug.6.number_cycles:
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.    NA's
 1.000  3.000  6.000  7.154 10.000 20.000   444

patient.drugs.drug.6.prescribed_dose_units:
  mg NA's
   11 446

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patient.drugs.drug.6.regimen_indication_notes:

metastatic	NA's
1	456

patient.drugs.drug.6.regimen_number:

1	2	3	NA's
5	6	2	444

patient.drugs.drug.6.route_of_administrations.route_of_administration:

intravenous (iv)	oral	NA's
11	1	445

patient.drugs.drug.6.therapy_ongoing:

no	yes	NA's
19	4	434

patient.drugs.drug.6.therapy_types.therapy_type:

ancillary	chemotherapy
1	16
other, specify targeted molecular therapy	
1	5
NA's	
434	

patient.drugs.drug.6.therapy_types.therapy_type_notes:

ancillary	NA's
1	456

patient.drugs.drug.6.total_dose:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
339.0	720.8	1320.0	1546.2	1706.8	5075.0	447

patient.drugs.drug.6.total_dose_units:

mg	NA's
11	446

patient.drugs.drug.6.tx_on_clinical_trial:

no	NA's
10	447

patient.drugs.drug.6.year_of_form_completion:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
2010	2011	2012	2012	2012	2015	434

patient.drugs.drug.7.day_of_form_completion:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1.00	13.00	19.00	18.33	24.00	31.00	442

patient.drugs.drug.7.days_to_drug_therapy_end:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
76.0	277.8	373.5	742.6	969.2	2450.0	445

patient.drugs.drug.7.days_to_drug_therapy_start:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
34	231	337	605	790	2450	442

patient.drugs.drug.7.measure_of_response:

clinical progressive disease	complete response	
2	1	
stable disease	NA's	
1	453	

patient.drugs.drug.7.month_of_form_completion:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1.000	1.000	2.000	4.267	7.500	11.000	442

patient.drugs.drug.7.number_cycles:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1.00	4.00	5.50	6.60	10.75	12.00	447

patient.drugs.drug.7.prescribed_dose_units:

mg NA's	
9	448

patient.drugs.drug.7.regimen_indication:

adjuvant	palliative	progression	recurrence	NA's
3	1	5	1	447

patient.drugs.drug.7.regimen_number:

1	2	4	6	NA's
3	3	3	1	447

patient.drugs.drug.7.route_of_administrations.route_of_administration:

intravenous (iv)	NA's
9	448

patient.drugs.drug.7.therapy_ongoing:

no	yes	NA's
13	2	442

patient.drugs.drug.7.therapy_types.therapy_type:

ancillary	chemotherapy
1	10
other, specify	targeted molecular therapy
1	3
NA's	
442	

patient.drugs.drug.7.therapy_types.therapy_type_notes:

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ancillary          NA's
      1             456

patient.drugs.drug.7.total_dose:
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.    NA's
    792   1085   2093   3669   3200   17812   448

patient.drugs.drug.7.total_dose_units:
  mg NA's
    9 448

patient.drugs.drug.7.tx_on_clinical_trial:
  no NA's
    5 452

patient.drugs.drug.7.year_of_form_completion:
2010 2011 2012 2014 NA's
    1    4    8    2 442

patient.drugs.drug.8.day_of_form_completion:
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.    NA's
    1.00  12.00  19.00  17.23  21.00  31.00   444

patient.drugs.drug.8.days_to_drug_therapy_end:
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.    NA's
 108.0  273.8  480.5  519.0  701.5 1181.0   445

patient.drugs.drug.8.days_to_drug_therapy_start:
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.    NA's
    1.0   96.0  366.0  379.5  516.0 1041.0   444

patient.drugs.drug.8.measure_of_response:
clinical progressive disease          partial response
                                1                                1
                                stable disease                    NA's
                                1                                454

patient.drugs.drug.8.month_of_form_completion:
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.    NA's
  1.000  1.000  2.000  4.154  7.000 11.000   444

patient.drugs.drug.8.number_cycles:
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.    NA's
  1.000  5.000 10.000  9.667 12.000 20.000   448

patient.drugs.drug.8.prescribed_dose_units:
  mg NA's
    8 449

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patient.drugs.drug.8.regimen_indication:
  adjuvant  palliative  progression  recurrence  NA's
           2           2           3           2           448

patient.drugs.drug.8.regimen_number:
  1     2     3  NA's
  5     1     3  448

patient.drugs.drug.8.route_of_administrations.route_of_administration:
intravenous (iv)          NA's
                   9          448

patient.drugs.drug.8.therapy_ongoing:
  no  yes  NA's
  12   1  444

patient.drugs.drug.8.therapy_types.therapy_type:
  chemotherapy  other, specify  NA's
                12              1      444

patient.drugs.drug.8.therapy_types.therapy_type_notes:
ancillary      NA's
              1      456

patient.drugs.drug.8.total_dose:
  Min. 1st Qu.  Median  Mean 3rd Qu.  Max.  NA's
    16   5793   8168  15314  18003  59112  449

patient.drugs.drug.8.total_dose_units:
  mg  NA's
   8  449

patient.drugs.drug.8.tx_on_clinical_trial:
  no  NA's
   4  453

patient.drugs.drug.8.year_of_form_completion:
2010 2011 2012 2014  NA's
   1   4   6   2  444

patient.drugs.drug.9.day_of_form_completion:
  Min. 1st Qu.  Median  Mean 3rd Qu.  Max.  NA's
   9.0   15.0   19.0   18.5   20.5   31.0  447

patient.drugs.drug.9.days_to_drug_therapy_end:
  Min. 1st Qu.  Median  Mean 3rd Qu.  Max.  NA's
 272.0  289.0  699.0  858.2  944.0 2373.0  448

patient.drugs.drug.9.days_to_drug_therapy_start:

```

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
48.0	257.5	465.5	617.5	731.0	1687.0	447

patient.drugs.drug.9.measure_of_response:

partial response	stable disease	NA's
1	1	455

patient.drugs.drug.9.month_of_form_completion:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1.00	1.00	3.00	4.60	7.75	11.00	447

patient.drugs.drug.9.number_cycles:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
4.00	12.00	12.50	17.00	15.25	45.00	451

patient.drugs.drug.9.prescribed_dose_units:

mg	NA's
5	452

patient.drugs.drug.9.regimen_indication:

adjuvant	palliative	progression	recurrence	NA's
1	2	3	1	450

patient.drugs.drug.9.regimen_number:

1	2	3	5	NA's
3	2	1	1	450

patient.drugs.drug.9.route_of_administrations.route_of_administration:

intravenous (iv)	NA's
5	452

patient.drugs.drug.9.therapy_ongoing:

no	yes	NA's
9	1	447

patient.drugs.drug.9.therapy_types.therapy_type:

ancillary	chemotherapy	NA's
2	8	447

patient.drugs.drug.9.total_dose:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
600	9852	13386	25463	42950	60525	452

patient.drugs.drug.9.total_dose_units:

mg	NA's
5	452

patient.drugs.drug.9.tx_on_clinical_trial:

no	NA's
3	454

patient.drugs.drug.9.year_of_form_completion:

2010	2011	2012	2014	NA's
1	3	5	1	447

patient.drugs.drug.day_of_form_completion:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1.00	3.00	12.00	13.16	20.00	31.00	304

patient.drugs.drug.days_to_drug_therapy_end:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
31.0	189.8	221.0	275.0	273.0	1994.0	321

patient.drugs.drug.days_to_drug_therapy_start:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0.00	37.25	60.00	102.33	85.00	1840.00	307

patient.drugs.drug.measure_of_response:

clinical progressive disease	complete response
17	45
partial response	stable disease
10	3
NA's	
382	

patient.drugs.drug.month_of_form_completion:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1.000	3.000	7.000	6.634	11.000	12.000	304

patient.drugs.drug.regimen_indication_notes:

metastatic	NA's
2	455

patient.drugs.drug.route_of_administrations.route_of_administration:

intravenous (iv)	intravesical	oral	subcutaneous (sc)
62	1	5	1
NA's			
388			

patient.drugs.drug.therapy_ongoing:

no	yes	NA's
143	10	304

patient.drugs.drug.therapy_types.therapy_type:

ancillary	3	chemotherapy	136
other, specify	11	targeted molecular therapy	3
NA's	304		

patient.drugs.drug.therapy_types.therapy_type_notes:

ancillary	ancillary agent phase iii clinical trial
6	1
protocol amg 20060464	NA's
1	448

patient.drugs.drug.total_dose_units:

mg	mg/kg	mg/m2	NA's
52	1	4	400

patient.drugs.drug.tx_on_clinical_trial:

no	yes	NA's
79	4	374

patient.drugs.drug.year_of_form_completion:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
2010	2012	2012	2012	2012	2015	304

patient.ethnicity:

hispanic or latino	not hispanic or latino	NA's
4	270	183

patient.follow_ups.follow_up.2.day_of_form_completion:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1.00	11.00	18.00	17.45	25.00	31.00	328

patient.follow_ups.follow_up.2.days_to_death:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
153.0	446.2	741.5	926.3	1087.5	2532.0	447

patient.follow_ups.follow_up.2.days_to_last_followup:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
-9.0	457.0	704.0	919.7	1009.0	4502.0	338

patient.follow_ups.follow_up.2.followup_case_report_form_submission_reason:

additional new tumor event scheduled follow-up submission	9	109
NA's	339	

patient.follow_ups.follow_up.2.followup_treatment_success:

complete remission/response	partial remission/response
-----------------------------	----------------------------

	60		1
progressive disease		stable disease	
	5		2
	NA's		
	389		

patient.follow_ups.follow_up.2.lost_follow_up:
 no yes NA's
 73 8 376

patient.follow_ups.follow_up.2.month_of_form_completion:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 1.000 2.000 3.000 4.636 7.000 12.000 328

patient.follow_ups.follow_up.2.new_tumor_events.new_tumor_event.additional_pharm
 no yes NA's
 6 11 440

patient.follow_ups.follow_up.2.new_tumor_events.new_tumor_event.additional_radia
 no yes NA's
 16 4 437

patient.follow_ups.follow_up.2.new_tumor_events.new_tumor_event.days_to_new_tumo
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 61.0 244.0 948.0 927.4 990.0 2394.0 452

patient.follow_ups.follow_up.2.new_tumor_events.new_tumor_event.days_to_new_tumo
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 0.0 492.2 628.0 799.6 955.0 2394.0 437

patient.follow_ups.follow_up.2.new_tumor_events.new_tumor_event.new_neoplasm_eve			
locoregional disease		metastatic	NA's
	2	3	452

patient.follow_ups.follow_up.2.new_tumor_events.new_tumor_event.new_tumor_event_
 no yes NA's
 16 5 436

patient.follow_ups.follow_up.2.new_tumor_events.new_tumor_event.residual_disease
 r0 NA's
 2 455

patient.follow_ups.follow_up.2.new_tumor_events.new_tumor_event.site_of_addition
 liver other NA's
 2 1 454

patient.follow_ups.follow_up.2.new_tumor_events.new_tumor_event_after_initial_tr
 no yes NA's
 100 20 337

patient.follow_ups.follow_up.2.person_neoplasm_cancer_status:
 tumor free with tumor NA's

96 20 341

patient.follow_ups.follow_up.2.postoperative_rx_tx:

no yes NA's
49 51 357

patient.follow_ups.follow_up.2.primary_therapy_outcome_success:

complete remission/response	progressive disease	
		1
	58	
stable disease		NA's
	1	397

patient.follow_ups.follow_up.2.radiation_therapy:

no yes NA's
98 2 357

patient.follow_ups.follow_up.2.vital_status:

alive dead NA's
117 10 330

patient.follow_ups.follow_up.2.year_of_form_completion:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
2011	2012	2012	2013	2014	2015	328

patient.follow_ups.follow_up.3.day_of_form_completion:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1.00	16.50	27.00	21.87	29.00	30.00	434

patient.follow_ups.follow_up.3.days_to_death:

405 743 1305 NA's
1 1 1 454

patient.follow_ups.follow_up.3.days_to_last_followup:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
405	915	1260	1264	1387	3324	436

patient.follow_ups.follow_up.3.followup_case_report_form_submission_reason:

additional new tumor event scheduled follow-up submission		19
	3	
	NA's	
	435	

patient.follow_ups.follow_up.3.followup_treatment_success:

complete remission/response	NA's
	11
	446

patient.follow_ups.follow_up.3.lost_follow_up:

no NA's
19 438

patient.follow_ups.follow_up.3.month_of_form_completion:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1.000	2.000	3.000	5.348	9.500	12.000	434

patient.follow_ups.follow_up.3.new_tumor_events.new_tumor_event.additional_pharm

no	yes	NA's
2	5	450

patient.follow_ups.follow_up.3.new_tumor_events.new_tumor_event.additional_radia

no	NA's
9	448

patient.follow_ups.follow_up.3.new_tumor_events.new_tumor_event.days_to_new_tumo

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
80.0	661.0	970.0	847.7	1132.0	1219.0	448

patient.follow_ups.follow_up.3.new_tumor_events.new_tumor_event.new_tumor_event

no	NA's
9	448

patient.follow_ups.follow_up.3.new_tumor_events.new_tumor_event.site_of_addition

lung	NA's
1	456

patient.follow_ups.follow_up.3.new_tumor_events.new_tumor_event_after_initial_tr

no	yes	NA's
14	9	434

patient.follow_ups.follow_up.3.person_neoplasm_cancer_status:

tumor free	with tumor	NA's
16	5	436

patient.follow_ups.follow_up.3.postoperative_rx_tx:

no	yes	NA's
9	10	438

patient.follow_ups.follow_up.3.primary_therapy_outcome_success:

complete remission/response	NA's
14	443

patient.follow_ups.follow_up.3.radiation_therapy:

no	NA's
19	438

patient.follow_ups.follow_up.3.vital_status:

alive	dead	NA's
20	3	434

patient.follow_ups.follow_up.3.year_of_form_completion:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
2011	2012	2013	2013	2013	2015	434

patient.follow_ups.follow_up.4.bcr_followup_barcode:
 tcga-a6-2671-f36756 NA's
 1 456

patient.follow_ups.follow_up.4.bcr_followup_uuid:
 1d1f813a-9e27-4121-9e12-6be5520aad63 NA's
 1 456

patient.follow_ups.follow_up.4.day_of_form_completion:
 29 NA's
 1 456

patient.follow_ups.follow_up.4.days_to_death:
 1331 NA's
 1 456

patient.follow_ups.follow_up.4.followup_case_report_form_submission_reason:
 additional new tumor event NA's
 1 456

patient.follow_ups.follow_up.4.followup_treatment_success:
 progressive disease NA's
 1 456

patient.follow_ups.follow_up.4.lost_follow_up:
 no NA's
 1 456

patient.follow_ups.follow_up.4.month_of_form_completion:
 11 NA's
 1 456

patient.follow_ups.follow_up.4.new_tumor_events.new_tumor_event.additional_pharm:
 yes NA's
 1 456

patient.follow_ups.follow_up.4.new_tumor_events.new_tumor_event.additional_radia:
 no NA's
 1 456

patient.follow_ups.follow_up.4.new_tumor_events.new_tumor_event.days_to_new_tumo:
 1215 NA's
 1 456

patient.follow_ups.follow_up.4.new_tumor_events.new_tumor_event.new_tumor_event_
 no NA's
 1 456

patient.follow_ups.follow_up.4.new_tumor_events.new_tumor_event_after_initial_tr
 yes NA's
 1 456

```
patient.follow_ups.follow_up.4.person_neoplasm_cancer_status:
with tumor      NA's
      1          456
```

```
patient.follow_ups.follow_up.4.vital_status:
dead NA's
      1  456
```

```
patient.follow_ups.follow_up.4.year_of_form_completion:
2012 NA's
      1  456
```

```
patient.follow_ups.follow_up.day_of_form_completion:
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.   NA's
  1.00   3.00   10.00   13.61  24.00   31.00    46
```

```
patient.follow_ups.follow_up.days_to_death:
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.   NA's
 29.0  239.0   426.0   726.5 1094.5  3042.0   378
```

```
patient.follow_ups.follow_up.days_to_last_followup:
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.   NA's
 -2.0  362.0   552.0   818.6 1035.0  4270.0   112
```

```
patient.follow_ups.follow_up.followup_case_report_form_submission_reason:
  additional new tumor event scheduled follow-up submission
                                     7                          323
                                     NA's
                                     127
```

```
patient.follow_ups.follow_up.followup_treatment_success:
complete remission/response  partial remission/response
                             123                          11
  progressive disease        stable disease
                             32                          3
                             NA's
                             288
```

```
patient.follow_ups.follow_up.lost_follow_up:
  no  yes NA's
 213  6  238
```

```
patient.follow_ups.follow_up.month_of_form_completion:
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.   NA's
  1.000  3.000  9.000  7.874 12.000  12.000    36
```

```
patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.2.additional_pharm
no NA's
      1  456
```

```

patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.2.additional_radiation
no NA's
1 456

patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.2.days_to_new_tumor_event
514 NA's
1 456

patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.2.days_to_new_tumor_event
493 NA's
1 456

patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.2.new_neoplasm_event
metastatic NA's
1 456

patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.2.new_tumor_event
yes NA's
1 456

patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.2.site_of_additional_tumor
liver NA's
1 456

patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.additional_pharmaceuticals
no yes NA's
20 27 410

patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.additional_radiation
no yes NA's
44 9 404

patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.days_to_new_tumor_event
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
61.0 367.8 482.0 619.6 605.0 2270.0 443

patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.days_to_new_tumor_event
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
6.0 280.2 396.0 561.0 732.0 2564.0 381

patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.new_neoplasm_event
locoregional disease metastatic NA's
7 7 443

patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.new_tumor_event_additional_tumor
no yes NA's
63 14 380

patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.residual_disease_pathology
r0 r2 rx NA's
4 3 2 448

```

patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.site_of_additional
liver other NA's
9 3 445

patient.follow_ups.follow_up.new_tumor_events.new_tumor_event_after_initial_trea
no yes NA's
308 74 75

patient.follow_ups.follow_up.person_neoplasm_cancer_status:
tumor free with tumor NA's
275 76 106

patient.follow_ups.follow_up.postoperative_rx_tx:
no yes NA's
245 143 69

patient.follow_ups.follow_up.primary_therapy_outcome_success:
complete remission/response partial remission/response
135 11
progressive disease stable disease
24 3
NA's
284

patient.follow_ups.follow_up.radiation_therapy:
no yes NA's
377 9 71

patient.follow_ups.follow_up.vital_status:
alive dead NA's
339 80 38

patient.follow_ups.follow_up.year_of_form_completion:
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
2010 2011 2012 2012 2012 2015 36

patient.gender:
female male
216 241

patient.height:
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
80.3 162.0 170.0 168.4 176.0 193.0 225

patient.histological_type:
colon adenocarcinoma colon mucinous adenocarcinoma
390 62
NA's
5

patient.history_of_colon_polyps:
no yes NA's

251 137 69

patient.history_of_neoadjuvant_treatment:

no yes
454 3

patient.informed_consent_verified:

yes
457

patient.kras_gene_analysis_performed:

no yes NA's
372 48 37

patient.kras_mutation_codon:

12 13 NA's
17 4 436

patient.kras_mutation_found:

no yes NA's
24 22 411

patient.loss_expression_of_mismatch_repair_proteins_by_ihc:

no yes NA's
285 56 116

patient.loss_expression_of_mismatch_repair_proteins_by_ihc_results.loss_expressi

mlh1 expressed	mlh1 not expressed	NA's
36	22	399

patient.loss_expression_of_mismatch_repair_proteins_by_ihc_results.loss_expressi

msh2 expressed	msh2 not expressed	pms2 expressed	NA's
39	18	1	399

patient.loss_expression_of_mismatch_repair_proteins_by_ihc_results.loss_expressi

msh6 expressed	msh6 not expressed	pms2 expressed	pms2 not expressed
1	2	28	25
NA's			
401			

patient.loss_expression_of_mismatch_repair_proteins_by_ihc_results.loss_expressi

msh6 expressed	msh6 not expressed	NA's
36	16	405

patient.lymph_node_examined_count:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0.00	14.00	19.50	22.39	27.25	109.00	21

patient.lymphatic_invasion:

no yes NA's
249 164 44

patient.microsatellite_instability:

no yes NA's
81 11 365

patient.month_of_form_completion:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.
1.000	5.000	6.000	5.832	7.000	12.000

patient.new_tumor_events.new_tumor_event.additional_pharmaceutical_therapy:

no yes NA's
2 7 448

patient.new_tumor_events.new_tumor_event.additional_radiation_therapy:

no yes NA's
6 2 449

patient.new_tumor_events.new_tumor_event.days_to_new_tumor_event_additional_surg

463 560 686 NA's
1 1 1 454

patient.new_tumor_events.new_tumor_event.days_to_new_tumor_event_after_initial_t

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
106.0	256.0	276.0	371.4	506.0	810.0	448

patient.new_tumor_events.new_tumor_event.new_neoplasm_event_type:

locoregional disease	metastatic	NA's
1	2	454

patient.new_tumor_events.new_tumor_event.new_tumor_event_additional_surgery_pro

no yes NA's
6 3 448

patient.new_tumor_events.new_tumor_event.residual_disease_post_new_tumor_event_m
r2 NA's

1 456

patient.new_tumor_events.new_tumor_event.site_of_additional_surgery_new_tumor_ev

liver NA's
2 455

patient.new_tumor_events.new_tumor_event_after_initial_treatment:

no yes NA's
27 9 421

patient.non_nodal_tumor_deposits:

no yes NA's
187 39 231

patient.number_of_abnormal_loci:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0.0000	0.0000	0.0000	0.7778	0.0000	9.0000	403

patient.number_of_first_degree_relatives_with_cancer_diagnosis:

0	1	2	3	NA's
332	47	9	2	67

patient.number_of_loci_tested:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0.000	5.000	5.000	5.019	5.000	10.000	403

patient.number_of_lymphnodes_positive_by_he:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0.000	0.000	0.000	2.058	2.000	50.000	25

patient.number_of_lymphnodes_positive_by_ihc:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0.00	0.00	0.00	0.68	0.00	12.00	407

patient.perineural_invasion_present:

no	yes	NA's
133	46	278

patient.person_neoplasm_cancer_status:

tumor free	with tumor	NA's
199	214	44

patient.postoperative_rx_tx:

no	yes	NA's
16	18	423

patient.preoperative_pretreatment_cea_level:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0.000	1.700	3.000	37.440	7.525	2614.000	170

patient.primary_lymph_node_presentation_assessment:

no	yes	NA's
15	432	10

patient.primary_therapy_outcome_success:

complete remission/response	partial remission/response
17	3
progressive disease	stable disease
6	1
NA's	430

patient.prior_dx:

no
395
yes


```

patient.radiations.radiation.2.month_of_form_completion:
  2  12 NA's
  1   2 454

patient.radiations.radiation.2.radiation_dosage:
  38  50 NA's
  1   1 455

patient.radiations.radiation.2.radiation_treatment_ongoing:
  no NA's
  3  454

patient.radiations.radiation.2.radiation_type:
          external other: specify in notes
                2                1
                                     NA's
                                     454

patient.radiations.radiation.2.radiation_type_notes:
  gamma knife stereotactic radiosurgery
                                     1
                                     NA's
                                     456

patient.radiations.radiation.2.regimen_indication:
  progression          NA's
                1          456

patient.radiations.radiation.2.units:
  gy NA's
  2  455

patient.radiations.radiation.2.year_of_form_completion:
  2012 NA's
  3  454

patient.radiations.radiation.3.anatomic_treatment_site:
  distant recurrence          NA's
                1                456

patient.radiations.radiation.3.bcr_radiation_barcode:
  tcga-g4-6314-r21823          NA's
                1                456

patient.radiations.radiation.3.bcr_radiation_uuid:
  41e91ef0-9f0d-4ff5-8a49-5eacb7820a13
                                     1
                                     NA's
                                     456

patient.radiations.radiation.3.course_number:
  1 NA's
  1  456

patient.radiations.radiation.3.day_of_form_completion:
  9 NA's
  1  456

```

patient.radiations.radiation.3.days_to_radiation_therapy_end:

622 NA's
1 456

patient.radiations.radiation.3.days_to_radiation_therapy_start:

609 NA's
1 456

patient.radiations.radiation.3.month_of_form_completion:

2 NA's
1 456

patient.radiations.radiation.3.numfractions:

10 NA's
1 456

patient.radiations.radiation.3.radiation_dosage:

3000 NA's
1 456

patient.radiations.radiation.3.radiation_treatment_ongoing:

no NA's
1 456

patient.radiations.radiation.3.radiation_type:

external beam NA's
1 456

patient.radiations.radiation.3.regimen_indication:

recurrence NA's
1 456

patient.radiations.radiation.3.units:

cgy NA's
1 456

patient.radiations.radiation.3.year_of_form_completion:

2012 NA's
1 456

patient.radiations.radiation.4.anatomic_treatment_site:

distant recurrence NA's
1 456

patient.radiations.radiation.4.bcr_radiation_barcode:

tcga-g4-6314-r21828 NA's
1 456

patient.radiations.radiation.4.bcr_radiation_uuid:

9bd482d5-a6c4-4389-99ff-503503c1b98f NA's
1 456

patient.radiations.radiation.4.course_number:

3 NA's
1 456

patient.radiations.radiation.4.day_of_form_completion:

9 NA's
1 456

patient.radiations.radiation.4.days_to_radiation_therapy_end:

911 NA's
1 456

patient.radiations.radiation.4.days_to_radiation_therapy_start:

898 NA's
1 456

patient.radiations.radiation.4.month_of_form_completion:

2 NA's
1 456

patient.radiations.radiation.4.numfractions:

10 NA's
1 456

patient.radiations.radiation.4.radiation_dosage:

3000 NA's
1 456

patient.radiations.radiation.4.radiation_treatment_ongoing:

no NA's
1 456

patient.radiations.radiation.4.radiation_type:

external beam	NA's
1	456

patient.radiations.radiation.4.regimen_indication:

palliative	NA's
1	456

patient.radiations.radiation.4.units:

cgy NA's
1 456

patient.radiations.radiation.4.year_of_form_completion:

2012 NA's
1 456

patient.radiations.radiation.anatomic_treatment_site:

distant recurrence	distant site	primary tumor	field	regional site
5	2	6		1
NA's				

443

patient.radiations.radiation.course_number:

1	2	NA's
2	1	454

patient.radiations.radiation.day_of_form_completion:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
9.00	11.50	13.00	16.27	23.50	29.00	442

patient.radiations.radiation.days_to_radiation_therapy_end:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
49.0	193.8	425.0	467.2	716.8	1126.0	443

patient.radiations.radiation.days_to_radiation_therapy_start:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
19.0	98.0	275.0	392.7	638.0	1126.0	442

patient.radiations.radiation.measure_of_response:

partial response	radiographic progressive disease	
1		8
stable disease		NA's
1		447

patient.radiations.radiation.month_of_form_completion:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1.0	3.5	9.0	7.8	12.0	12.0	442

patient.radiations.radiation.numfractions:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
3.0	7.5	10.0	14.0	20.0	30.0	450

patient.radiations.radiation.radiation_dosage:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
9.0	37.0	309.1	1973.1	4625.0	5400.0	445

patient.radiations.radiation.radiation_treatment_ongoing:

no NA's
15 442

patient.radiations.radiation.radiation_type:

external	external beam	internal
9	3	1
other: specify in notes	NA's	
1	443	

patient.radiations.radiation.radiation_type_notes:

gamma knife stereotactic radiosurgery	NA's
1	456

```

patient.radiations.radiation.regimen_indication:
  adjuvant recurrence      NA's
      4          1      452

patient.radiations.radiation.units:
  cgy  gy NA's
    5   7 445

patient.radiations.radiation.year_of_form_completion:
2012 2013 2014 2015 NA's
    9   2   2   2 442

patient.residual_tumor:
  r0  r1  r2  rx NA's
 329  4  26  25  73

patient.stage_event.system_version:
  2nd  5th  6th  7th NA's
    1  64 206 132  54

patient.synchronous_colon_cancer_present:
  no  yes NA's
 388  25  44

patient.tissue_prospective_collection_indicator:
  no  yes NA's
 281 162  14

patient.tissue_retrospective_collection_indicator:
  no  yes NA's
 162 281  14

patient.tumor_tissue_site:
colon NA's
 456  1

patient.venous_invasion:
  no  yes NA's
 300  96  61

patient.vital_status:
alive dead NA's
 400  56  1

patient.weight:
  Min. 1st Qu.  Median  Mean 3rd Qu.  Max.  NA's
 34.00  65.10  80.00  80.93  93.00 175.30  207

```

patient.year_of_form_completion:

2010	2011	2013	2014	2015
141	280	21	11	4

patient.year_of_initial_pathologic_diagnosis:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.
1998	2007	2009	2008	2010	2013

patient.microsatellite_instability_test_results.microsatellite_instability_test_

indeterminate	msi-h	msi-l	mss
2	83	82	290

patient.bcr_canonical_check.bcr_patient_canonical_reasons.bcr_canonical_reason.2

case matched methylation control	germline comparison
39	22
NA's	
396	

patient.bcr_canonical_check.bcr_patient_canonical_reasons.bcr_canonical_reason.3

germline comparison	NA's
22	435

patient.bcr_canonical_check.bcr_patient_canonical_status:

canonical	canonical - plus
358	99

patient.biospecimen_cqcf.consent_or_death_status:

consented	deceased	NA's
435	21	1

patient.biospecimen_cqcf.days_to_pathology_review:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
-245.0	63.0	291.0	807.8	1105.5	4533.0	46

patient.biospecimen_cqcf.days_to_sample_procurement:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
-14.00	0.00	0.00	11.85	27.00	120.00	1

patient.biospecimen_cqcf.digital_image_submitted:

no	yes	NA's
438	18	1

patient.biospecimen_cqcf.ethnicity:

hispanic or latino	not hispanic or latino	NA's
3	29	425

patient.biospecimen_cqcf.histological_type:

```

colon adenocarcinoma colon mucinous adenocarcinoma
      392
      NA's
      1

patient.biospecimen_cqcf.history_of_neoadjuvant_treatment:
      no yes, radiation prior to resection
      455
      NA's
      1

patient.biospecimen_cqcf.normal_controls.normal_control.2.days_to_normal_sample
      Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
      -26.00 0.00 16.00 57.05 31.00 1429.00 346

patient.biospecimen_cqcf.normal_controls.normal_control.2.extracted_dna.ncedna_d
      Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
      0.0170 0.1220 0.1660 0.1722 0.2220 0.3340 436

patient.biospecimen_cqcf.normal_controls.normal_control.2.extracted_dna.ncedna_d
picogreen NA's
      21 436

patient.biospecimen_cqcf.normal_controls.normal_control.2.extracted_dna.ncedna_d
20 NA's
      21 436

patient.biospecimen_cqcf.normal_controls.normal_control.2.extracted_dna.ncedna_d
      Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
      60.0 90.0 121.0 185.4 165.0 1207.0 436

patient.biospecimen_cqcf.normal_controls.normal_control.2.normal_tissue.normal_t
distal (>2cm) NA's
      15 442

patient.biospecimen_cqcf.normal_controls.normal_control.2.vial_number:
      1 2 3 NA's
      41 70 3 343

patient.biospecimen_cqcf.normal_controls.normal_control.3.days_to_normal_sample
      0 31 92 NA's
      4 6 1 446

patient.biospecimen_cqcf.normal_controls.normal_control.3.method_of_normal_sampl
blood draw NA's
      6 451

```



```

patient.biospecimen_cqcf.normal_controls.normal_control.3.normal_tissue.normal_t
ascending colon hepatic flexure sigmoid colon transverse colon
              1              2              3              1
              NA's
              450

```

```

patient.biospecimen_cqcf.normal_controls.normal_control.3.vial_number:
  1   3 NA's
  7   4 446

```

```

patient.biospecimen_cqcf.normal_controls.normal_control.days_to_normal_sample_pr
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.   NA's
-90.00   0.00    3.00  25.79  29.00 1247.00    74

```

```

patient.biospecimen_cqcf.normal_controls.normal_control.extracted_dna.ncedna_dna
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.   NA's
0.0092  0.0810   0.3022  40.3444   0.9201 852.1000   377

```

```

patient.biospecimen_cqcf.normal_controls.normal_control.extracted_dna.ncedna_dna
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.   NA's
11.00  15.00   20.00   20.06  20.00   85.21   377

```

```

patient.biospecimen_cqcf.normal_controls.normal_control.extracted_dna.ncedna_dna
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.   NA's
  9.00  39.97 118.05  303.81  438.25 1200.00   377

```

```

patient.biospecimen_cqcf.normal_controls.normal_control.normal_tissue.normal_tis
distal (>2cm)          NA's
              60          397

```

```

patient.biospecimen_cqcf.normal_controls.normal_control.vial_number:
  1   2   3 NA's
344 62 16 35

```

```

patient.biospecimen_cqcf.path_confirm_diagnosis_matching:
yes NA's
328 129

```

```

patient.biospecimen_cqcf.path_confirm_report_attached:
no yes NA's
21 435 1

```

```

patient.biospecimen_cqcf.path_confirm_tumor_necrosis_metrics:
no yes NA's
  1 327 129

```

```

patient.biospecimen_cqcf.path_confirm_tumor_nuclei_metrics:
  no  yes NA's
  1  327 129

patient.biospecimen_cqcf.race:
black or african american          NA's
                                36          421

patient.biospecimen_cqcf.sample_prescreened:
  yes NA's
  456   1

patient.biospecimen_cqcf.site_of_disease:
colon NA's
  455   2

patient.biospecimen_cqcf.submitted_for_lce:
  no  yes NA's
  30   6 421

patient.biospecimen_cqcf.top_slide_submitted:
  no  yes NA's
  184 272   1

patient.biospecimen_cqcf.tumor_samples.tumor_sample.2.tumor_necrosis_percent:
  Min. 1st Qu.  Median    Mean 3rd Qu.  Max.  NA's
  0.00   4.25   7.50  10.00  13.75  30.00  447

patient.biospecimen_cqcf.tumor_samples.tumor_sample.2.tumor_nuclei_percent:
  Min. 1st Qu.  Median    Mean 3rd Qu.  Max.  NA's
  60.00  71.25  77.50  77.50  83.75  90.00  447

patient.biospecimen_cqcf.tumor_samples.tumor_sample.2.tumor_weight:
  Min. 1st Qu.  Median    Mean 3rd Qu.  Max.  NA's
  200.0  238.8  346.0  485.0  682.8  1118.0  447

patient.biospecimen_cqcf.tumor_samples.tumor_sample.2.vial_number:
  1    2 NA's
  7    3 447

patient.biospecimen_cqcf.tumor_samples.tumor_sample.tumor_necrosis_percent:
  Min. 1st Qu.  Median    Mean 3rd Qu.  Max.  NA's
  0.00   2.00  10.00  11.07  20.00  30.00   1

patient.biospecimen_cqcf.tumor_samples.tumor_sample.tumor_nuclei_percent:
  Min. 1st Qu.  Median    Mean 3rd Qu.  Max.  NA's
  40.00  70.00  70.00  74.57  80.00  100.00   1

patient.biospecimen_cqcf.tumor_samples.tumor_sample.tumor_weight:

```

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
17.0	100.0	200.0	267.7	306.2	1657.0	1

patient.biospecimen_cqcf.tumor_samples.tumor_sample.vial_number:

1	2	NA's
455	1	1

patient.biospecimen_cqcf.vessel_used:

cassette	cryomold	cryovial
20	53	338
other (please specify)	NA's	
45	1	

patient.days_to_index:

0
457

patient.samples.sample.2.bcr_biospecimen_canonical_reasons.bcr_canonical_reason:

primary tumor and metastatic tumor(s)	primary tumor and recurrent tumor(s)
1	1
NA's	
455	

patient.samples.sample.2.days_to_collection:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
14	326	843	1424	2312	4563	340

patient.samples.sample.2.initial_weight:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
120	200	250	240	300	330	444

patient.samples.sample.2.intermediate_dimension:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0.200	0.800	1.000	1.033	1.075	2.000	427

patient.samples.sample.2.is_ffpe:

no	yes
444	13

patient.samples.sample.2.longest_dimension:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0.700	1.100	1.200	1.457	1.925	2.500	427

patient.samples.sample.2.oct_embedded:

false	NA's
117	340

```
patient.samples.sample.2.portions.portion.analytes.analyte.2.a260_a280_ratio:
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.   NA's
  1.300  1.710  1.800  1.761  1.800  1.900   428
```

```
patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.2.
fppp NA's
  4 453
```

```
patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.2.
tcga NA's
  4 453
```

```
patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.2.
ffpe validation          NA's
              3          454
```

```
patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.2.
  Min.  1st Qu.  Median    Mean 3rd Qu.    Max.   NA's
97514926 97515266 97518839 102067706 97556718 167814212   330
```

```
patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.2.
  9 10 13 36 NA's
130 17 7 5 298
```

```
patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.2.
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.   NA's
0.1300 0.5000 0.5000 0.4745 0.5000 0.5000   298
```

```
patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.2.
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.   NA's
  5.00  7.00  12.00  11.75  14.00  31.00   298
```

```
patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.2.
no yes NA's
147 12 298
```

```
patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.2.
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.   NA's
  3.000  4.000  4.000  4.541  5.000  8.000   298
```

```
patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.2.
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.   NA's
  1.000  4.000  8.000  7.214 10.000 12.000   298
```

```
patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.2.
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.   NA's
  0.80  40.00  40.00  37.14  40.00  40.00   298
```

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.2.
 22 23 NA's
 118 41 298

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.2.
 5 20 80 NA's
 5 7 147 298

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.2.
 2010 2012 2013 2015 NA's
 147 3 4 5 298

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.3.
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 9.888e+07 1.543e+08 1.054e+09 7.578e+08 1.054e+09 1.054e+09 413

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.3.
 10 36 NA's
 41 3 413

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.3.
 0.16 0.17 0.5 NA's
 2 1 41 413

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.3.
 15 21 26 29 NA's
 8 1 3 32 413

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.3.
 no yes NA's
 41 3 413

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.3.
 7 8 NA's
 1 43 413

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.3.
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 4.00 5.75 7.00 7.00 8.00 11.00 413

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.3.
 1133 1953 1982 a46x NA's
 1 8 32 3 413

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.3.
 0.8 0.85 4 10 NA's
 2 1 40 1 413

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.3.

```

22    23 NA's
41    3  413

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.3
  5    8  20 NA's
  3   40   1  413

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.3.
2010 2011 2015 NA's
  1   40   3  413

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.ad
fppp NA's
  10  447

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.ad
tcga NA's
  10  447

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.bo
ffpe validation          NA's
              3          454

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.bi
  Min.  1st Qu.  Median    Mean  3rd Qu.    Max.    NA's
9.651e+07 9.756e+07 1.070e+08 2.690e+08 1.456e+08 1.054e+09    43

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.ce
  7    9  10  13 NA's
 30  17 397   2  11

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.co
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.    NA's
0.1300 0.5000 0.5000 0.4751 0.5000 0.5000    11

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.da
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.    NA's
 4.00  12.00  14.50  16.93  24.00  31.00    11

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.is
no  yes NA's
433  13  11

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.mo
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.    NA's
 2.000  4.000  5.000  5.787  7.000 12.000    11

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.pl
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.    NA's
 1.000  5.000  8.000  7.339 10.000 12.000    11

```

```

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.qu
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.   NA's
  1.73  40.00  40.00  37.32  40.00  40.00    11

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.so
  22  23 NA's
 339 107  11

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.vo
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.   NA's
 13.00  80.00  80.00  75.54  80.00  80.00    11

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.ye
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.   NA's
 2010   2010   2011   2011   2011   2014    11

patient.samples.sample.2.portions.portion.analytes.analyte.2.amount:
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.   NA's
   0.0   60.0  155.0  123.3  176.8  400.8   107

patient.samples.sample.2.portions.portion.analytes.analyte.2.analyte_type:
repli-g (qiagen) dna                rna                NA's
                  414                32                11

patient.samples.sample.2.portions.portion.analytes.analyte.2.analyte_type_id:
  h    r    w NA's
  2   30  414  11

patient.samples.sample.2.portions.portion.analytes.analyte.2.concentration:
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.   NA's
 0.1300 0.5000 0.5000 0.4683 0.5000 0.5000   107

patient.samples.sample.2.portions.portion.analytes.analyte.2.dna.normal_tumor_ge
yes NA's
414  43

patient.samples.sample.2.portions.portion.analytes.analyte.2.dna.pcr_amplificati
no yes NA's
318  96  43

patient.samples.sample.2.portions.portion.analytes.analyte.2.gel_image_file:
https://sharedoc.nchri.org/tcga-bcr/default.aspx
                                     446
                                     NA's
                                     11

patient.samples.sample.2.portions.portion.analytes.analyte.2.is_derived_from_ffp

```

```

no yes NA's
433 13 11

patient.samples.sample.2.portions.portion.analytes.analyte.2.protocols.protocol
allprep rna extraction highpure mirna (allprep dna) ffpe rna
17 13
mirvana (allprep dna) rna repli-g
2 414
NA's
11

patient.samples.sample.2.portions.portion.analytes.analyte.2.rna.ratio_28s_18s:
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
0.000 0.000 1.255 1.296 1.495 12.930 425

patient.samples.sample.2.portions.portion.analytes.analyte.2.rna.rinvalue:
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
2.000 2.400 7.850 5.994 8.525 9.600 425

patient.samples.sample.2.portions.portion.analytes.analyte.2.spectrophotometer_m
picogreen uv spec NA's
106 244 107

patient.samples.sample.2.portions.portion.analytes.analyte.2.subportion_sequence
1 2 NA's
10 2 445

patient.samples.sample.2.portions.portion.analytes.analyte.3.a260_a280_ratio:
1.7 1.92 NA's
1 1 455

patient.samples.sample.2.portions.portion.analytes.analyte.3.aliquots.aliquot.2.
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
9.753e+07 9.754e+07 9.754e+07 4.167e+08 1.054e+09 1.054e+09 430

patient.samples.sample.2.portions.portion.analytes.analyte.3.aliquots.aliquot.2.
9 10 NA's
32 27 398

patient.samples.sample.2.portions.portion.analytes.analyte.3.aliquots.aliquot.2.
0.5 NA's
59 398

patient.samples.sample.2.portions.portion.analytes.analyte.3.aliquots.aliquot.2.
5 11 12 29 NA's
17 15 13 14 398

patient.samples.sample.2.portions.portion.analytes.analyte.3.aliquots.aliquot.2.
no NA's
59 398

```


patient.samples.sample.2.portions.portion.analytes.analyte.3.aliquots.aliquot.2.
 4 5 6 8 NA's
 17 28 4 10 398

patient.samples.sample.2.portions.portion.analytes.analyte.3.aliquots.aliquot.2.
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 1.00 4.00 5.00 5.78 6.00 12.00 398

patient.samples.sample.2.portions.portion.analytes.analyte.3.aliquots.aliquot.2.
 4 40 NA's
 10 49 398

patient.samples.sample.2.portions.portion.analytes.analyte.3.aliquots.aliquot.2.
 22 23 NA's
 27 32 398

patient.samples.sample.2.portions.portion.analytes.analyte.3.aliquots.aliquot.2.
 8 80 NA's
 10 49 398

patient.samples.sample.2.portions.portion.analytes.analyte.3.aliquots.aliquot.2.
 2010 2011 NA's
 49 10 398

patient.samples.sample.2.portions.portion.analytes.analyte.3.aliquots.aliquot.3.
 tcga-aa-3971-10a-01x-1982-10 tcga-aa-3977-10a-01x-1982-10
 1 1
 tcga-aa-3979-10a-01x-1982-10 NA's
 1 454

patient.samples.sample.2.portions.portion.analytes.analyte.3.aliquots.aliquot.3.
 6e29a8c6-f984-46dd-9c64-aa8ec8caf016 9088cddb-75a1-4c44-b77d-3d9f2760a28b
 1 1
 a5b07325-74be-4b4b-b304-c1b15ef28783 NA's
 1 454

patient.samples.sample.2.portions.portion.analytes.analyte.3.aliquots.aliquot.3.
 1053967638 1053967661 1053967662 NA's
 1 1 1 454

patient.samples.sample.2.portions.portion.analytes.analyte.3.aliquots.aliquot.3.
 10 NA's
 3 454

patient.samples.sample.2.portions.portion.analytes.analyte.3.aliquots.aliquot.3.
 0.5 NA's
 3 454

patient.samples.sample.2.portions.portion.analytes.analyte.3.aliquots.aliquot.3.

```

29 NA's
3 454

patient.samples.sample.2.portions.portion.analytes.analyte.3.aliquots.aliquot.3.
no NA's
3 454

patient.samples.sample.2.portions.portion.analytes.analyte.3.aliquots.aliquot.3.
8 NA's
3 454

patient.samples.sample.2.portions.portion.analytes.analyte.3.aliquots.aliquot.3.
12 NA's
3 454

patient.samples.sample.2.portions.portion.analytes.analyte.3.aliquots.aliquot.3.
1982 NA's
3 454

patient.samples.sample.2.portions.portion.analytes.analyte.3.aliquots.aliquot.3.
d e f NA's
1 1 1 454

patient.samples.sample.2.portions.portion.analytes.analyte.3.aliquots.aliquot.3.
4 NA's
3 454

patient.samples.sample.2.portions.portion.analytes.analyte.3.aliquots.aliquot.3.
22 NA's
3 454

patient.samples.sample.2.portions.portion.analytes.analyte.3.aliquots.aliquot.3.
8 NA's
3 454

patient.samples.sample.2.portions.portion.analytes.analyte.3.aliquots.aliquot.3.
2011 NA's
3 454

patient.samples.sample.2.portions.portion.analytes.analyte.3.aliquots.aliquot.bi
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
9.753e+07 9.756e+07 9.902e+07 3.319e+08 1.476e+08 1.054e+09 358

patient.samples.sample.2.portions.portion.analytes.analyte.3.aliquots.aliquot.ce
7 9 10 NA's
2 17 112 326

patient.samples.sample.2.portions.portion.analytes.analyte.3.aliquots.aliquot.co
0.14 0.16 0.5 NA's
1 1 129 326

```

```

patient.samples.sample.2.portions.portion.analytes.analyte.3.aliquots.aliquot.da
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.   NA's
  6.00  12.00   12.00   17.05  23.00   30.00   326

patient.samples.sample.2.portions.portion.analytes.analyte.3.aliquots.aliquot.is
  no NA's
  131  326

patient.samples.sample.2.portions.portion.analytes.analyte.3.aliquots.aliquot.mo
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.   NA's
  3.00   5.00   5.00   5.87   7.50   11.00   326

patient.samples.sample.2.portions.portion.analytes.analyte.3.aliquots.aliquot.pl
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.   NA's
  1.000  4.000  8.000  6.962  10.000  12.000   326

patient.samples.sample.2.portions.portion.analytes.analyte.3.aliquots.aliquot.qu
  1.86 2.08   4   40 NA's
  1   1  19  110  326

patient.samples.sample.2.portions.portion.analytes.analyte.3.aliquots.aliquot.so
  22  23 NA's
  85  46  326

patient.samples.sample.2.portions.portion.analytes.analyte.3.aliquots.aliquot.vo
  8  13 13.3  80 NA's
  19  1  1  110  326

patient.samples.sample.2.portions.portion.analytes.analyte.3.aliquots.aliquot.ye
  2010 2011 2014 NA's
  93  37  1  326

patient.samples.sample.2.portions.portion.analytes.analyte.3.amount:
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.   NA's
  29.0  65.0  103.5  115.9  180.0  220.0   371

patient.samples.sample.2.portions.portion.analytes.analyte.3.analyte_type:
  repli-g (qiagen) dna repli-g x (qiagen) dna                rna
                17                112                2
                NA's
                326

patient.samples.sample.2.portions.portion.analytes.analyte.3.analyte_type_id:
  r    w    x NA's
  2  17  112  326

patient.samples.sample.2.portions.portion.analytes.analyte.3.concentration:

```

0.14 0.16 0.5 NA's
 1 1 84 371

patient.samples.sample.2.portions.portion.analytes.analyte.3.dna.normal_tumor_ge
 yes NA's
 129 328

patient.samples.sample.2.portions.portion.analytes.analyte.3.dna.pcr_amplificati
 no yes NA's
 84 45 328

patient.samples.sample.2.portions.portion.analytes.analyte.3.gel_image_file:
<https://sharedoc.nchri.org/tcga-bcr/default.aspx>
 131
 NA's
 326

patient.samples.sample.2.portions.portion.analytes.analyte.3.is_derived_from_ffp
 no NA's
 131 326

patient.samples.sample.2.portions.portion.analytes.analyte.3.protocols.protocol.
 allprep rna extraction repli-g repli-g x
 2 17 112
 NA's
 326

patient.samples.sample.2.portions.portion.analytes.analyte.3.rna.ratio_28s_18s:
 1.27 1.88 NA's
 1 1 455

patient.samples.sample.2.portions.portion.analytes.analyte.3.rna.rinvalue:
 7.2 8.8 NA's
 1 1 455

patient.samples.sample.2.portions.portion.analytes.analyte.3.spectrophotometer_m
 picogreen uv spec NA's
 12 74 371

patient.samples.sample.2.portions.portion.analytes.analyte.3.subportion_sequence
 1 2 NA's
 10 2 445

patient.samples.sample.2.portions.portion.analytes.analyte.4.aliquots.aliquot.bo
 tcga-g4-6317-02a-11w-2108-10 NA's
 1 456

patient.samples.sample.2.portions.portion.analytes.analyte.4.aliquots.aliquot.bo
 4a52e9c7-ee44-47ed-a8de-d050b71c80a0 NA's
 1 456

patient.samples.sample.2.portions.portion.analytes.analyte.4.aliquots.aliquot.bi

121029564 NA's
 1 456

patient.samples.sample.2.portions.portion.analytes.analyte.4.aliquots.aliquot.ce
10 NA's
1 456

patient.samples.sample.2.portions.portion.analytes.analyte.4.aliquots.aliquot.co
0.5 NA's
1 456

patient.samples.sample.2.portions.portion.analytes.analyte.4.aliquots.aliquot.da
4 NA's
1 456

patient.samples.sample.2.portions.portion.analytes.analyte.4.aliquots.aliquot.is
no NA's
1 456

patient.samples.sample.2.portions.portion.analytes.analyte.4.aliquots.aliquot.mo
1 NA's
1 456

patient.samples.sample.2.portions.portion.analytes.analyte.4.aliquots.aliquot.pl
1 NA's
1 456

patient.samples.sample.2.portions.portion.analytes.analyte.4.aliquots.aliquot.pl
2108 NA's
1 456

patient.samples.sample.2.portions.portion.analytes.analyte.4.aliquots.aliquot.pl
b NA's
1 456

patient.samples.sample.2.portions.portion.analytes.analyte.4.aliquots.aliquot.qu
40 NA's
1 456

patient.samples.sample.2.portions.portion.analytes.analyte.4.aliquots.aliquot.so
22 NA's
1 456

patient.samples.sample.2.portions.portion.analytes.analyte.4.aliquots.aliquot.vo
80 NA's
1 456

patient.samples.sample.2.portions.portion.analytes.analyte.4.aliquots.aliquot.ye
2012 NA's
1 456

patient.samples.sample.2.portions.portion.analytes.analyte.4.amount:

201 NA's
 1 456

patient.samples.sample.2.portions.portion.analytes.analyte.4.analyte_type:
 repli-g (qiagen) dna NA's
 1 456

patient.samples.sample.2.portions.portion.analytes.analyte.4.analyte_type_id:
 w NA's
 1 456

patient.samples.sample.2.portions.portion.analytes.analyte.4.bcr_analyte_barcode:
 tcga-g4-6317-02a-11w NA's
 1 456

patient.samples.sample.2.portions.portion.analytes.analyte.4.bcr_analyte_uuid:
 76e148a6-6a81-4222-862b-f210c6b51b85 NA's
 1 456

patient.samples.sample.2.portions.portion.analytes.analyte.4.concentration:
 0.5 NA's
 1 456

patient.samples.sample.2.portions.portion.analytes.analyte.4.dna.normal_tumor_ge
 yes NA's
 1 456

patient.samples.sample.2.portions.portion.analytes.analyte.4.dna.pcr_amplificati
 no NA's
 1 456

patient.samples.sample.2.portions.portion.analytes.analyte.4.gel_image_file:
<https://sharedoc.nchri.org/tcga-bcr/default.aspx>
 1
 NA's
 456

patient.samples.sample.2.portions.portion.analytes.analyte.4.is_derived_from_ffp
 no NA's
 1 456

patient.samples.sample.2.portions.portion.analytes.analyte.4.protocols.protocol.
 repli-g NA's
 1 456

patient.samples.sample.2.portions.portion.analytes.analyte.4.spectrophotometer_m
 picogreen NA's
 1 456

patient.samples.sample.2.portions.portion.analytes.analyte.4.subportion_sequence
 1 NA's
 1 456

patient.samples.sample.2.portions.portion.analytes.analyte.a260_a280_ratio:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 1.710 1.800 1.900 1.871 1.900 2.130 63

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.2.ad
 fppp NA's
 9 448

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.2.ad
 tcga NA's
 9 448

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.2.bo
 ffpe validation NA's
 3 454

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.2.bi
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 9.649e+07 9.885e+07 1.087e+08 2.734e+08 1.456e+08 1.054e+09 34

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.2.ce
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 1.000 1.000 1.000 3.738 5.000 10.000 2

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.2.co
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 0.0700 0.1400 0.1500 0.1397 0.1500 0.1800 2

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.2.da
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 1.00 14.00 22.00 18.22 26.00 31.00 2

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.2.is
 no yes NA's
 443 12 2

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.2.mo
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 2.000 4.000 5.000 5.149 6.000 12.000 2

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.2.pl
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 1.000 6.000 8.000 7.374 9.000 12.000 2

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.2.qu
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 0.530 0.940 1.070 1.729 2.800 4.540 2

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.2.sc
 22 23 NA's
 341 114 2

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.2.vo
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 6.67 6.67 6.67 13.39 26.70 40.00 2

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.2.ye
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 2010 2010 2011 2011 2011 2014 2

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.3.ad
 fppp NA's
 9 448

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.3.ad
 tcga NA's
 9 448

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.3.bo
 ffpe validation NA's
 3 454

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.3.bi
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 9.649e+07 9.885e+07 1.087e+08 2.837e+08 1.136e+08 1.054e+09 69

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.3.ce
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 1.000 10.000 10.000 9.152 10.000 23.000 36

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.3.co
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 0.01000 0.05000 0.05000 0.09007 0.14000 0.18000 36

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.3.da
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 3.00 10.00 22.00 18.78 27.00 31.00 36

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.3.is
 no yes NA's
 409 12 36

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.3.mo
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 2.00 4.00 5.00 5.43 6.00 11.00 36

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.3.pl

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1.000	6.000	8.000	7.418	9.000	12.000	36

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.3.qu

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0.330	1.010	2.000	1.973	3.000	4.540	37

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.3.so

22	23	NA's
340	81	36

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.3.vo

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
2.20	6.70	26.70	31.59	60.00	60.00	37

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.3.ye

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
2010	2010	2011	2011	2011	2014	36

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.4.bo

ffpe validation

		NA's
1		456

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.4.bi

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
9.648e+07	9.906e+07	1.070e+08	3.770e+08	1.053e+09	1.054e+09	74

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.4.ce

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1.00	9.00	23.00	16.59	23.00	24.00	58

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.4.co

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0.0100	0.1400	0.1500	0.1363	0.1500	0.1700	58

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.4.da

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
3.00	22.00	28.00	22.82	29.00	31.00	58

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.4.is

no	yes	NA's
390	9	58

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.4.mo

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
2.000	4.000	6.000	5.672	6.000	11.000	58

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.4.pl

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1.000	6.500	8.000	7.657	9.000	12.000	58

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.4.qu

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0.300	0.940	1.010	1.435	1.950	4.270	228

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.4.so

22	23	NA's
165	234	58

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.4.vo

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
2.00	6.67	6.70	13.18	13.34	60.00	228

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.4.ye

2010	2011	2012	2015	NA's
129	261	1	8	58

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.5.bi

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
9.750e+07	1.005e+08	1.053e+09	6.880e+08	1.053e+09	1.054e+09	246

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.5.ce

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
2.00	23.00	23.00	19.25	24.00	24.00	241

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.5.co

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0.0100	0.1400	0.1500	0.1432	0.1500	0.1700	241

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.5.da

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
2.00	22.00	28.50	25.56	31.00	31.00	241

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.5.is

no NA's
216 241

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.5.mo

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1.000	3.000	3.000	4.139	6.000	9.000	241

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.5.pl

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1.000	6.000	7.000	6.958	9.000	12.000	241

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.5.qu
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 0.260 0.930 1.000 1.327 1.860 12.900 322

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.5.so
 22 23 NA's
 91 125 241

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.5.vo
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 2.00 6.67 6.67 10.58 13.00 258.00 322

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.5.ye
 2010 2011 2012 2015 NA's
 35 179 1 1 241

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.6.bi
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 9.649e+07 1.134e+08 1.053e+09 6.933e+08 1.053e+09 1.053e+09 286

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.6.ce
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 2.00 10.00 23.00 16.81 23.00 24.00 285

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.6.co
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 0.0100 0.1400 0.1400 0.1355 0.1500 0.1700 285

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.6.da
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 2.00 22.00 27.00 25.68 29.00 31.00 285

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.6.is
 no NA's
 172 285

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.6.mo
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 1.000 3.000 3.000 4.128 6.000 8.000 285

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.6.pl
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 2.000 6.000 7.000 7.436 9.000 12.000 285

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.6.qu
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 0.380 1.000 1.860 3.054 5.600 30.000 370

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.6.so
 22 23 NA's
 52 120 285

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.6.vo
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 2.55 6.67 13.30 35.67 80.00 600.00 370

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.6.ye
 2010 2011 NA's
 6 166 285

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.7.bi
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 1.005e+08 1.244e+08 1.053e+09 7.188e+08 1.053e+09 1.054e+09 342

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.7.ce
 2 10 23 24 NA's
 34 53 24 7 339

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.7.co
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 0.0100 0.1300 0.1400 0.1253 0.1500 0.1700 339

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.7.da
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 5.00 22.50 28.00 24.36 29.00 31.00 339

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.7.is
 no NA's
 118 339

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.7.mo
 3 4 6 8 NA's
 69 2 8 39 339

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.7.pl
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 1.00 2.00 3.00 4.67 7.00 12.00 339

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.7.qu
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 0.300 1.895 2.775 2.801 3.000 6.400 363

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.7.so
 22 23 NA's
 82 36 339

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.7.vo
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 2.00 13.30 20.00 29.46 60.00 80.00 363

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.7.ye
 2011 2012 NA's
 104 14 339

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.8.bi
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 1.087e+08 1.136e+08 1.136e+08 2.709e+08 1.163e+08 1.054e+09 409

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.8.ce
 10 23 NA's
 42 6 409

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.8.co
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 0.0500 0.1400 0.1400 0.1379 0.1500 0.1700 409

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.8.da
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 5.00 15.00 15.00 18.54 29.00 29.00 409

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.8.is
 no NA's
 48 409

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.8.mo
 3 4 5 8 NA's
 8 2 2 36 409

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.8.pl
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 1.00 5.00 7.00 6.75 9.25 12.00 409

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.8.pl
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 1618 1953 1953 1933 1981 2188 409

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.8.qu
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 0.930 2.800 2.800 2.821 3.000 3.400 413

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.8.so
 22 23 NA's
 44 4 409

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.8.vo
 6.67 20 60 NA's
 2 38 4 413

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.8.ye
 2011 2012 NA's
 44 4 409

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.9.bo
 tcga-aa-3549-10a-01d-1953-10 tcga-aa-3553-10a-01d-1953-10
 1 1
 tcga-aa-3715-10a-01d-1981-10 NA's
 1 454

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.9.bo
 20135e82-ea86-466d-8418-bc8aacia321a 86b1fdb7-60ed-46fe-9889-cc0ec33e3bff
 1 1
 ab36c6b3-5814-42e4-adff-33b85176bb5b NA's
 1 454

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.9.bi
 113627941 113628352 113628376 NA's
 1 1 1 454

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.9.ce
 10 NA's
 3 454

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.9.co
 0.14 0.16 NA's
 2 1 454

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.9.da
 15 29 NA's
 2 1 454

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.9.is
 no NA's
 3 454

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.9.mo
 8 NA's
 3 454

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.9.pl
 8 11 NA's
 2 1 454

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.9.pl
 1953 1981 NA's
 2 1 454

```

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.9.pl
  a   c   e NA's
  1   1   1  454

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.9.qu
  2.8  3.2 NA's
  2   1  454

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.9.sc
  22 NA's
  3  454

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.9.vo
  20 NA's
  3  454

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.9.ye
  2011 NA's
  3  454

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.addi
  fppp NA's
  10  447

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.addi
  tcga NA's
  10  447

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.bcr_
  ffpe validation          NA's
                3          454

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.bios
  Min.  1st Qu.  Median  Mean  3rd Qu.  Max.  NA's
  9.650e+07 9.885e+07 1.087e+08 2.725e+08 1.322e+08 1.062e+09 33

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.cent
  1   2   10   24 NA's
  184 250  10  12  1

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.conc
  Min. 1st Qu.  Median  Mean 3rd Qu.  Max.  NA's
  0.0700 0.1400 0.1500 0.1465 0.1600 0.1800 1

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.day_
  Min. 1st Qu.  Median  Mean 3rd Qu.  Max.  NA's
  3.00 14.00 22.00 18.21 26.00 31.00 1

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.is_d
  no  yes NA's

```

443 13 1

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.mont

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
2.000	4.000	4.000	5.099	6.000	12.000	1

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.plat

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1.000	6.000	8.000	7.397	9.000	12.000	1

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.quant

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0.800	1.010	1.400	1.444	1.860	2.260	2

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.sour

22	23	NA's
340	116	1

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.vol

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
6.600	6.700	10.000	9.978	13.300	20.000	2

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.year

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
2010	2010	2011	2011	2011	2014	1

patient.samples.sample.2.portions.portion.analytes.analyte.amount:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0.00	16.85	51.83	139.96	193.28	1113.40	1

patient.samples.sample.2.portions.portion.analytes.analyte.analyte_type:

dna	NA's
456	1

patient.samples.sample.2.portions.portion.analytes.analyte.analyte_type_id:

d	NA's
456	1

patient.samples.sample.2.portions.portion.analytes.analyte.concentration:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0.0800	0.1400	0.1500	0.1483	0.1600	0.1800	1

patient.samples.sample.2.portions.portion.analytes.analyte.dna.normal_tumor_gene

yes	NA's
456	1

patient.samples.sample.2.portions.portion.analytes.analyte.dna.pcr_amplification

no	yes	NA's

220 236 1

patient.samples.sample.2.portions.portion.analytes.analyte.gel_image_file:
<https://sharedoc.nchri.org/tcga-bcr/default.aspx>

456

NA's

1

patient.samples.sample.2.portions.portion.analytes.analyte.is_derived_from_ffpe:

no yes NA's

443 13 1

patient.samples.sample.2.portions.portion.analytes.analyte.protocols.protocol.ex

adna preparation type allprep ffpe dna

97

13

chemical lysis dna extraction pre-extracted dna received by tss

240

106

NA's

1

patient.samples.sample.2.portions.portion.analytes.analyte.spectrophotometer_met

picogreen uv spec NA's

62 394

1

patient.samples.sample.2.portions.portion.analytes.analyte.subportion_sequence:

1 2 NA's

10 2 445

patient.samples.sample.2.portions.portion.day_of_creation:

Min. 1st Qu. Median Mean 3rd Qu. Max. NA's

1.0 9.0 14.0 15.5 22.0 31.0 1

patient.samples.sample.2.portions.portion.is_ffpe:

no yes NA's

443 13 1

patient.samples.sample.2.portions.portion.month_of_creation:

Min. 1st Qu. Median Mean 3rd Qu. Max. NA's

1.000 2.000 4.000 4.671 6.000 12.000 1

patient.samples.sample.2.portions.portion.portion_number:

Min. 1st Qu. Median Mean 3rd Qu. Max. NA's

1.000 1.000 1.000 1.445 1.000 31.000 1

patient.samples.sample.2.portions.portion.portion_sequence:

Min. 1st Qu. Median Mean 3rd Qu. Max. NA's

1.000 1.000 1.000 1.298 1.000 8.000 353

```

patient.samples.sample.2.portions.portion.slides.slide.2.is_derived_from_ffpe:
  no  yes NA's
  12  10  435

patient.samples.sample.2.portions.portion.slides.slide.2.percent_lymphocyte_infi
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.    NA's
  0.00   0.00   25.00   21.62  40.00   50.00   436

patient.samples.sample.2.portions.portion.slides.slide.2.percent_monocyte_infilt
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.    NA's
  0.000  0.000   3.000   4.952 10.000  10.000   436

patient.samples.sample.2.portions.portion.slides.slide.2.percent_necrosis:
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.    NA's
  0.000  0.000   5.000   5.364 10.000  15.000   446

patient.samples.sample.2.portions.portion.slides.slide.2.percent_neutrophil_infi
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.    NA's
  0.000  0.000   0.000   1.429  0.000  15.000   436

patient.samples.sample.2.portions.portion.slides.slide.2.percent_normal_cells:
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.    NA's
  0.00   0.00   57.50   51.64 100.00  100.00   435

patient.samples.sample.2.portions.portion.slides.slide.2.percent_stromal_cells:
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.    NA's
  0.00   0.00   20.00   19.09  32.50   50.00   446

patient.samples.sample.2.portions.portion.slides.slide.2.percent_tumor_cells:
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.    NA's
  0.00   0.00   17.50   36.14  72.25  100.00   435

patient.samples.sample.2.portions.portion.slides.slide.2.percent_tumor_nuclei:
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.    NA's
  50.00  69.00   80.00   77.45  85.00   92.00   446

patient.samples.sample.2.portions.portion.slides.slide.2.section_location:
bottom    top    NA's
   11     11    435

patient.samples.sample.2.portions.portion.slides.slide.is_derived_from_ffpe:
  no  yes NA's
  42  10  405

patient.samples.sample.2.portions.portion.slides.slide.percent_lymphocyte_infilt
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.    NA's
  0.00   0.75   14.00   19.05  35.00   50.00   435

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```

patient.samples.sample.2.portions.portion.slides.slide.percent_monocyte_infiltration:
  Min. 1st Qu.  Median    Mean 3rd Qu.  Max.   NA's
  0.000  0.000  3.000  4.364  8.000  10.000  435

patient.samples.sample.2.portions.portion.slides.slide.percent_necrosis:
  Min. 1st Qu.  Median    Mean 3rd Qu.  Max.   NA's
  0.00  0.00  7.50  7.25  12.75  18.00  445

patient.samples.sample.2.portions.portion.slides.slide.percent_neutrophil_infiltration:
  Min. 1st Qu.  Median    Mean 3rd Qu.  Max.   NA's
  0.000  0.000  0.000  1.546  0.000  20.000  435

patient.samples.sample.2.portions.portion.slides.slide.percent_normal_cells:
  Min. 1st Qu.  Median    Mean 3rd Qu.  Max.   NA's
  0.00  0.00  20.00  49.61  100.00  100.00  434

patient.samples.sample.2.portions.portion.slides.slide.percent_stromal_cells:
  Min. 1st Qu.  Median    Mean 3rd Qu.  Max.   NA's
  0.00  5.25  25.00  22.67  35.00  55.00  445

patient.samples.sample.2.portions.portion.slides.slide.percent_tumor_cells:
  Min. 1st Qu.  Median    Mean 3rd Qu.  Max.   NA's
  0.00  0.00  30.00  34.78  69.00  100.00  434

patient.samples.sample.2.portions.portion.slides.slide.percent_tumor_nuclei:
  Min. 1st Qu.  Median    Mean 3rd Qu.  Max.   NA's
  40.00  65.00  77.50  73.50  81.25  92.00  445

patient.samples.sample.2.portions.portion.slides.slide.section_location:
bottom  top  NA's
  11    41  405

patient.samples.sample.2.portions.portion.weight:
  Min. 1st Qu.  Median    Mean 3rd Qu.  Max.   NA's
  2.0  30.0  95.5  106.2  137.2  400.0  359

patient.samples.sample.2.portions.portion.year_of_creation:
  Min. 1st Qu.  Median    Mean 3rd Qu.  Max.   NA's
  2010  2010  2010  2011  2011  2014    1

patient.samples.sample.2.portions.shipment_portion.bcr_shipment_portion_uuid:
05de831d-b33d-415e-a2f8-258c44ef5abd 31b50118-e859-434a-8f13-f210778079b6
                                         1                                         1
9a7ed113-6c6e-4b34-9799-ba3cf36d9a41                                         NA's
                                         1                                         454

patient.samples.sample.2.portions.shipment_portion.center_id:
  20 NA's
  3  454

patient.samples.sample.2.portions.shipment_portion.is_ffpe:
  no NA's

```

3 454

patient.samples.sample.2.portions.shipment_portion.plate_id:

2189 a45f NA's

1 2 454

patient.samples.sample.2.portions.shipment_portion.portion_number:

11 13 21 NA's

1 1 1 454

patient.samples.sample.2.portions.shipment_portion.portion_sequence:

1 2 NA's

1 1 455

patient.samples.sample.2.portions.shipment_portion.shipment_portion_bcr_aliquot_

tcga-g4-6317-02a-13-2189-20 tcga-nh-a6gc-06a-11-a45f-20

1

1

tcga-nh-a8f7-06a-21-a45f-20

NA's

1

454

patient.samples.sample.2.portions.shipment_portion.shipment_portion_day_of_shipm

5 30 NA's

1 2 454

patient.samples.sample.2.portions.shipment_portion.shipment_portion_month_of_shi

3 7 NA's

1 2 454

patient.samples.sample.2.portions.shipment_portion.shipment_portion_year_of_ship

2012 2014 NA's

1 2 454

patient.samples.sample.2.sample_type:

blood derived normal metastatic primary tumor

401

2

13

recurrent tumor solid tissue normal

1

40

patient.samples.sample.2.sample_type_id:

1 2 6 10 11

13 1 2 401 40

patient.samples.sample.2.shortest_dimension:

Min. 1st Qu. Median Mean 3rd Qu. Max. NA's

0.1000 0.3000 0.3000 0.3667 0.5000 0.8000 427

patient.samples.sample.2.vial_number:

a b c

442 14 1

patient.samples.sample.3.days_to_collection:

14 48 NA's
1 1 455

patient.samples.sample.3.intermediate_dimension:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0.2000	0.6000	0.8000	0.7614	0.9000	1.0000	413

patient.samples.sample.3.is_ffpe:

no NA's
60 397

patient.samples.sample.3.longest_dimension:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0.300	1.000	1.200	1.264	1.500	2.200	413

patient.samples.sample.3.oct_embedded:

false NA's
2 455

patient.samples.sample.3.portions.portion.analytes.analyte.2.a260_a280_ratio:

1.7 1.8 NA's
1 21 435

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.2.

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
9.751e+07	1.054e+09	1.054e+09	8.547e+08	1.054e+09	1.054e+09	433

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.2.

7 9 13 NA's
18 5 1 433

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.2.

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0.1300	0.1500	0.1500	0.2212	0.1600	0.5000	433

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.2.

7 11 12 NA's
3 19 2 433

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.2.

no NA's
24 433

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.2.

4 5 NA's
3 21 433

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.2.

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
------	---------	--------	------	---------	------	------

2.000	3.000	4.000	4.292	5.000	8.000	433
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patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.2.

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
896	1758	1758	1587	1758	1758	433

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.2.

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1.680	2.000	2.000	9.930	2.397	40.000	433

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.2.

22 NA's

24 433

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.2.

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
12	13.3	20	80	NA's		
1	17	1	5	433		

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.2.

2010 2011 NA's

5 19 433

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.3.

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1.508e+08	1.508e+08	1.508e+08	2.009e+08	1.508e+08	1.054e+09	439

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.3.

7 NA's

18 439

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.3.

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0.13	0.14	0.15	0.16	NA's		
1	3	12	2	439		

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.3.

2 11 NA's

17 1 439

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.3.

no NA's

18 439

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.3.

5 10 NA's

1 17 439

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.3.

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1.00	2.25	4.50	4.00	5.00	7.00	439

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.3.
1758 a32z NA's
1 17 439

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.3.
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
1.690 1.950 1.950 1.931 1.950 2.130 439

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.3.
22 23 NA's
1 17 439

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.3.
13 13.3 NA's
17 1 439

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.3.
2011 2013 NA's
1 17 439

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.bi
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
9.651e+07 1.070e+08 1.087e+08 5.385e+08 1.054e+09 1.054e+09 411

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.ce
7 10 13 NA's
4 24 18 411

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.co
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
0.1300 0.1500 0.5000 0.3313 0.5000 0.5000 411

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.da
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
4.00 11.00 11.00 14.76 24.00 27.00 411

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.is
no NA's
46 411

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.mo
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
2.000 5.000 5.000 5.043 5.000 12.000 411

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.pl
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
2.000 4.000 7.000 6.283 8.750 10.000 411

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.pl
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 831 1727 1757 1666 1782 1967 411

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.qu
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 2.52 3.00 40.00 22.36 40.00 40.00 411

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.so
 22 NA's
 46 411

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.vo
 18 20 26.7 80 NA's
 1 17 4 24 411

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.ye
 2010 2011 NA's
 6 40 411

patient.samples.sample.3.portions.portion.analytes.analyte.2.amount:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 0.00 93.45 151.50 137.70 171.00 386.20 411

patient.samples.sample.3.portions.portion.analytes.analyte.2.analyte_type:
 repli-g (qiagen) dna rna NA's
 24 22 411

patient.samples.sample.3.portions.portion.analytes.analyte.2.analyte_type_id:
 r w NA's
 22 24 411

patient.samples.sample.3.portions.portion.analytes.analyte.2.concentration:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 0.1300 0.1500 0.5000 0.3313 0.5000 0.5000 411

patient.samples.sample.3.portions.portion.analytes.analyte.2.dna.normal_tumor_ge
 yes NA's
 24 433

patient.samples.sample.3.portions.portion.analytes.analyte.2.dna.pcr_amplificati
 no NA's
 24 433

patient.samples.sample.3.portions.portion.analytes.analyte.2.gel_image_file:
<https://sharedoc.nchri.org/tcga-bcr/default.aspx>
 46
 NA's
 411

patient.samples.sample.3.portions.portion.analytes.analyte.2.is_derived_from_ffp
 no NA's
 46 411

patient.samples.sample.3.portions.portion.analytes.analyte.2.protocols.protocol.
 allprep rna extraction mirvana (allprep dna) rna repli-g
 21 1 24
 NA's
 411

patient.samples.sample.3.portions.portion.analytes.analyte.2.rna.ratio_28s_18s:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 1.130 1.385 1.470 1.484 1.520 2.010 435

patient.samples.sample.3.portions.portion.analytes.analyte.2.rna.rinvalue:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 7.000 7.625 7.950 7.882 8.100 8.600 435

patient.samples.sample.3.portions.portion.analytes.analyte.2.spectrophotometer_m
 picogreen uv spec NA's
 11 35 411

patient.samples.sample.3.portions.portion.analytes.analyte.3.aliquots.aliquot.bi
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 97556374 97556383 107042902 103577058 107042911 108686719 452

patient.samples.sample.3.portions.portion.analytes.analyte.3.aliquots.aliquot.ce
 10 NA's
 5 452

patient.samples.sample.3.portions.portion.analytes.analyte.3.aliquots.aliquot.co
 0.5 NA's
 5 452

patient.samples.sample.3.portions.portion.analytes.analyte.3.aliquots.aliquot.da
 4 12 25 NA's
 1 2 2 452

patient.samples.sample.3.portions.portion.analytes.analyte.3.aliquots.aliquot.is
 no NA's
 5 452

patient.samples.sample.3.portions.portion.analytes.analyte.3.aliquots.aliquot.mo
 5 NA's
 5 452

patient.samples.sample.3.portions.portion.analytes.analyte.3.aliquots.aliquot.pl
 8 NA's
 5 452

```

patient.samples.sample.3.portions.portion.analytes.analyte.3.aliquots.aliquot.pl
997 1727 1791 NA's
  2   1   2  452

patient.samples.sample.3.portions.portion.analytes.analyte.3.aliquots.aliquot.pl
  a   b   f NA's
  2   2   1  452

patient.samples.sample.3.portions.portion.analytes.analyte.3.aliquots.aliquot.qu
40 NA's
  5  452

patient.samples.sample.3.portions.portion.analytes.analyte.3.aliquots.aliquot.sc
22 NA's
  5  452

patient.samples.sample.3.portions.portion.analytes.analyte.3.aliquots.aliquot.vo
80 NA's
  5  452

patient.samples.sample.3.portions.portion.analytes.analyte.3.aliquots.aliquot.ye
2010 2011 NA's
  2   3  452

patient.samples.sample.3.portions.portion.analytes.analyte.3.amount:
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.    NA's
    46     59    148    119    166    176    452

patient.samples.sample.3.portions.portion.analytes.analyte.3.analyte_type:
  repli-g (qiagen) dna repli-g x (qiagen) dna                NA's
                3                2                452

patient.samples.sample.3.portions.portion.analytes.analyte.3.analyte_type_id:
  w   x NA's
  3   2  452

patient.samples.sample.3.portions.portion.analytes.analyte.3.concentration:
0.5 NA's
  5  452

patient.samples.sample.3.portions.portion.analytes.analyte.3.dna.normal_tumor_ge
yes NA's
  5  452

patient.samples.sample.3.portions.portion.analytes.analyte.3.dna.pcr_amplificati
no NA's
  5  452

patient.samples.sample.3.portions.portion.analytes.analyte.3.gel_image_file:

```

<https://sharedoc.nchri.org/tcga-bcr/default.aspx>

5

NA's

452

patient.samples.sample.3.portions.portion.analytes.analyte.3.is_derived_from_ffp

no NA's

5 452

patient.samples.sample.3.portions.portion.analytes.analyte.3.protocols.protocol.

repli-g repli-g x NA's

3 2 452

patient.samples.sample.3.portions.portion.analytes.analyte.3.spectrophotometer_m

picogreen uv spec NA's

2 3 452

patient.samples.sample.3.portions.portion.analytes.analyte.a260_a280_ratio:

1.8 1.9 2 NA's

3 54 1 399

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.10.a

fppp NA's

1 456

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.10.a

tcga NA's

1 456

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.10.b

tcga-a6-2677-10a-01d-a274-01 tcga-a6-2684-10a-01d-a46w-08

1

1

NA's

455

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.10.b

0cb8495e-97cc-4059-bc3f-2faa3fe5fab1 45315948-76f1-42ac-bacd-db8b92243d09

1

1

NA's

455

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.10.b

ffpe validation NA's

1 456

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.10.b

132179140 145675741 NA's

1 1 455

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.10.c

1 8 NA's

1 1 455

```

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.10.c
0.07 0.14 NA's
  1    1  455

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.10.d
  3   14 NA's
  1    1  455

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.10.i
no NA's
  2  455

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.10.m
  3    8 NA's
  1    1  455

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.10.p
  5    7 NA's
  1    1  455

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.10.p
a274 a46w NA's
  1    1  455

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.10.p
  a    d NA's
  1    1  455

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.10.q
0.94  1.4 NA's
  1    1  455

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.10.s
 23 NA's
  2  455

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.10.v
 6.7   20 NA's
  1    1  455

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.10.y
2013 2015 NA's
  1    1  455

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.11.b
tcga-a6-2677-10a-01d-a46w-08          NA's
                                1          456

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.11.b
4115dbf1-eaba-4493-ac43-355e0b463a4d          NA's
                                1          456

```

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.11.b
132179155 NA's
1 456

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.11.c
8 NA's
1 456

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.11.c
0.07 NA's
1 456

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.11.d
3 NA's
1 456

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.11.i
no NA's
1 456

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.11.m
8 NA's
1 456

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.11.p
5 NA's
1 456

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.11.p
a46w NA's
1 456

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.11.p
a NA's
1 456

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.11.q
1.4 NA's
1 456

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.11.s
23 NA's
1 456

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.11.v
20 NA's
1 456

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.11.y
2015 NA's
1 456

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patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.2.bi
  Min. 1st Qu.  Median      Mean 3rd Qu.    Max.    NA's
9.649e+07 1.087e+08 1.050e+09 5.963e+08 1.050e+09 1.054e+09    397

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.2.ce
  1   2   5  10 NA's
52  1   5   2 397

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.2.co
  Min. 1st Qu.  Median      Mean 3rd Qu.    Max.    NA's
0.0800 0.1400 0.1500 0.1487 0.1600 0.1700    397

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.2.da
  Min. 1st Qu.  Median      Mean 3rd Qu.    Max.    NA's
 3.00  14.00  14.00  16.68  23.00  28.00    397

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.2.is
no NA's
60 397

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.2.mo
  Min. 1st Qu.  Median      Mean 3rd Qu.    Max.    NA's
2.000  2.000  2.000  3.567  4.000 12.000    397

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.2.pl
  Min. 1st Qu.  Median      Mean 3rd Qu.    Max.    NA's
1.000  6.000  8.000  7.467 10.000 12.000    397

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.2.qu
  Min. 1st Qu.  Median      Mean 3rd Qu.    Max.    NA's
0.87   1.00   1.00   1.35   1.07   4.27    397

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.2.so
22 23 NA's
58  2 397

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.2.vo
6.67 13.3 26.7  40 NA's
52  1   5   2 397

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.2.ye
2010 2011 2014 NA's
  8   50   2 397

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.3.bi

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Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
9.649e+07	1.087e+08	1.050e+09	6.109e+08	1.050e+09	1.054e+09	399

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.3.ce

1	5	10	NA's
1	27	30	399

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.3.co

0.05	0.14	0.15	0.16	NA's
25	4	16	13	399

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.3.da

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
3.0	14.0	14.0	16.6	26.0	28.0	399

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.3.is

no NA's
58 399

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.3.mo

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
2.000	2.000	2.000	3.276	4.000	11.000	399

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.3.pl

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1.000	6.000	8.000	7.535	10.000	12.000	399

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.3.pl

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
959	1551	1551	1561	1702	1924	399

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.3.qu

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0.670	2.000	3.000	3.112	4.010	4.270	399

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.3.so

22 NA's
58 399

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.3.vo

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
6.67	26.70	26.70	35.08	55.00	60.00	399

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.3.ye

2010	2011	NA's
6	52	399

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.4.bi

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
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9.649e+07 1.087e+08 1.050e+09 6.108e+08 1.050e+09 1.054e+09 399

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.4.ce

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
5.00	6.00	10.00	10.62	10.00	24.00	399

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.4.co

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0.0500	0.0500	0.0900	0.0991	0.1500	0.1700	399

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.4.da

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
3.00	14.00	14.00	18.26	27.00	31.00	399

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.4.is

no NA's
58 399

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.4.mo

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
2.000	2.000	2.000	3.293	4.000	8.000	399

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.4.pl

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1.000	6.000	7.000	7.017	8.000	11.000	399

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.4.pl

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
960	1554	1554	1581	1721	1925	399

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.4.qu

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0.930	2.000	2.000	2.454	3.740	4.270	407

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.4.so

22 23 NA's
50 8 399

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.4.vo

6.67 6.7 26.7 40 NA's
1 5 15 29 407

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.4.ye

2010 2011 NA's
5 53 399

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.5.ad

fppp NA's
7 450

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.5.ad

tcga NA's
7 450

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.5.bo
ffpe validation NA's
7 450

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.5.bi
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
1.005e+08 1.070e+08 1.050e+09 6.069e+08 1.050e+09 1.053e+09 402

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.5.ce
2 9 10 23 NA's
5 27 8 15 402

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.5.co
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
0.0500 0.0500 0.0500 0.0889 0.1400 0.1600 402

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.5.da
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
11.00 14.00 14.00 17.56 25.50 29.00 402

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.5.is
no NA's
55 402

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.5.mo
2 3 6 8 NA's
28 8 14 5 402

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.5.pl
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
1.000 7.000 8.000 8.146 10.000 12.000 402

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.5.qu
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
1.400 2.000 2.000 1.926 2.000 2.130 417

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.5.so
22 23 NA's
33 22 402

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.5.vo
13.3 20 40 NA's
5 7 28 417

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.5.ye

2010 2011 2013 NA's
 5 43 7 402

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.6.ad
 fppp NA's
 7 450

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.6.ad
 tcga NA's
 7 450

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.6.bo
 ffpe validation NA's
 7 450

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.6.bi
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 1.070e+08 1.070e+08 1.457e+08 4.065e+08 1.051e+09 1.053e+09 434

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.6.ce
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 1 1 23 15 23 24 434

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.6.co
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 0.0500 0.1400 0.1500 0.1461 0.1550 0.1700 434

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.6.da
 14 28 29 31 NA's
 8 1 9 5 434

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.6.is
 no NA's
 23 434

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.6.mo
 2 3 6 NA's
 1 13 9 434

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.6.pl
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 1.000 5.000 6.000 6.217 7.000 11.000 434

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.6.qu
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 0.930 0.955 1.010 1.161 1.123 2.130 443

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.6.so

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22 23 NA's
7 16 434

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.6.vo
6.67 6.7 13.3 40 NA's
5 7 1 1 443

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.6.ye
2011 2013 NA's
16 7 434

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.7.bi
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
1.244e+08 1.322e+08 1.322e+08 5.151e+08 1.053e+09 1.053e+09 445

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.7.ce
8 10 23 NA's
6 1 5 445

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.7.co
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
0.0500 0.0775 0.0850 0.1050 0.1425 0.1600 445

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.7.da
3 5 22 NA's
6 1 5 445

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.7.is
no NA's
12 445

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.7.mo
3 8 NA's
6 6 445

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.7.pl
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
1.00 5.00 6.00 5.75 6.25 9.00 445

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.7.pl
1617 1619 2188 a46w NA's
3 2 1 6 445

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.7.qu
1.4 1.6 1.8 3 NA's
2 3 1 1 450

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.7.so
22 23 NA's

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1 11 445

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.7.vo
20 60 NA's
6 1 450

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.7.ye
2011 2012 2015 NA's
5 1 6 445

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.8.ad
fppp NA's
1 456

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.8.ad
tcga NA's
1 456

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.8.bo
ffpe validation NA's
1 456

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.8.bi
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
113627199 113627474 113628304 116716366 113628327 132158859 451

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.8.ce
10 NA's
6 451

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.8.co
0.07 0.14 0.15 0.16 NA's
1 2 2 1 451

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.8.da
13 15 29 NA's
1 3 2 451

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.8.is
no NA's
6 451

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.8.mo
3 8 NA's
1 5 451

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.8.pl
5 7 12 NA's
3 1 2 451

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patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.9.co
 0.07 0.08 0.14 NA's
 1 1 1 454

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.9.da
 13 14 NA's
 2 1 454

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.9.is
 no NA's
 3 454

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.9.mo
 3 NA's
 3 454

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.9.pl
 7 8 NA's
 2 1 454

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.9.pl
 a270 a274 NA's
 2 1 454

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.9.pl
 a b NA's
 1 2 454

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.9.qu
 0.94 1.4 1.6 NA's
 1 1 1 454

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.9.sc
 23 NA's
 3 454

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.9.vo
 6.7 20 NA's
 1 2 454

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.9.ye
 2013 NA's
 3 454

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.bios
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 9.650e+07 1.087e+08 1.050e+09 5.963e+08 1.050e+09 1.054e+09 397

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.cent

1 2 5 NA's
7 52 1 397

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.conc
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
0.1300 0.1500 0.1500 0.1512 0.1600 0.1700 397

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.day_
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
3.00 14.00 14.00 16.85 24.50 28.00 397

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.is_d
no NA's
60 397

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.mont
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
1.00 2.00 2.00 3.55 4.00 12.00 397

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.plat
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
1.000 6.000 7.500 7.283 10.000 12.000 397

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.quant
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
0.940 1.860 2.000 2.003 2.130 9.990 397

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.sour
22 23 NA's
58 2 397

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.vol
6.7 10 13.3 66.6 NA's
7 3 49 1 397

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.year
2010 2011 2014 NA's
8 50 2 397

patient.samples.sample.3.portions.portion.analytes.analyte.amount:
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
7.93 161.91 279.23 287.87 371.96 845.73 397

patient.samples.sample.3.portions.portion.analytes.analyte.analyte_type:
dna NA's
60 397

patient.samples.sample.3.portions.portion.analytes.analyte.analyte_type_id:
d NA's
60 397

patient.samples.sample.3.portions.portion.analytes.analyte.concentration:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 0.1300 0.1500 0.1500 0.1512 0.1600 0.1700 397

patient.samples.sample.3.portions.portion.analytes.analyte.dna.normal_tumor_gene:
 yes NA's
 60 397

patient.samples.sample.3.portions.portion.analytes.analyte.dna.pcr_amplification:
 no yes NA's
 50 10 397

patient.samples.sample.3.portions.portion.analytes.analyte.gel_image_file:
<https://sharedoc.nchri.org/tcga-bcr/default.aspx>
 60
 NA's
 397

patient.samples.sample.3.portions.portion.analytes.analyte.is_derived_from_ffpe:
 no NA's
 60 397

patient.samples.sample.3.portions.portion.analytes.analyte.protocols.protocol.extracted:
 adna preparation type chemical lysis dna extraction
 46 13
 pre-extracted dna received by tss NA's
 1 397

patient.samples.sample.3.portions.portion.analytes.analyte.spectrophotometer_method:
 picogreen uv spec NA's
 2 58 397

patient.samples.sample.3.portions.portion.day_of_creation:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 1.00 15.00 16.00 17.62 25.00 30.00 397

patient.samples.sample.3.portions.portion.is_ffpe:
 no NA's
 60 397

patient.samples.sample.3.portions.portion.month_of_creation:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 1.0 3.0 5.5 7.0 12.0 12.0 397

patient.samples.sample.3.portions.portion.portion_number:
 1 NA's
 60 397

patient.samples.sample.3.portions.portion.portion_sequence:

1 NA's
3 454

patient.samples.sample.3.portions.portion.slides.slide.2.bcr_slide_barcode:

tcga-a6-3807-11a-01-ts1 tcga-a6-3808-11a-01-ts1 tcga-a6-4107-11a-01-ts1
1 1 1
NA's
454

patient.samples.sample.3.portions.portion.slides.slide.2.bcr_slide_uuid:

8425e9ee-5910-48cd-aeb4-430e0401ce73 de8d5f36-febb-43d5-8f5c-9bc3842e53ff
1 1
e73c0645-13ac-43fd-b8be-05036fa31fea NA's
1 454

patient.samples.sample.3.portions.portion.slides.slide.2.image_file_name:

tcga-a6-3807-11a-01-ts1.e73c0645-13ac-43fd-b8be-05036fa31fea.svs
1
tcga-a6-3808-11a-01-ts1.de8d5f36-febb-43d5-8f5c-9bc3842e53ff.svs
1
tcga-a6-4107-11a-01-ts1.8425e9ee-5910-48cd-aeb4-430e0401ce73.svs
1
NA's
454

patient.samples.sample.3.portions.portion.slides.slide.2.is_derived_from_ffpe:

no NA's
3 454

patient.samples.sample.3.portions.portion.slides.slide.2.section_location:

top NA's
3 454

patient.samples.sample.3.portions.portion.slides.slide.is_derived_from_ffpe:

no NA's
44 413

patient.samples.sample.3.portions.portion.slides.slide.section_location:

bottom top NA's
3 41 413

patient.samples.sample.3.portions.portion.weight:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1.00	57.00	62.50	57.96	66.75	164.00	411

patient.samples.sample.3.portions.portion.year_of_creation:

2010 2011 2012 2013 NA's

```

35  22  1  2  397

patient.samples.sample.3.sample_type:
blood derived normal  solid tissue normal      NA's
                        16                        44      397

patient.samples.sample.3.sample_type_id:
 10  11 NA's
 16  44 397

patient.samples.sample.3.shortest_dimension:
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.    NA's
 0.1000 0.3000 0.4000 0.4568 0.6000 0.9000   413

patient.samples.sample.3.vial_number:
  a NA's
 60 397

patient.samples.sample.4.intermediate_dimension:
 0.7 0.8 0.9 NA's
  3  3  3 448

patient.samples.sample.4.is_ffpe:
  no NA's
  9 448

patient.samples.sample.4.longest_dimension:
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.    NA's
 0.900  1.300  1.600  1.644  2.000  2.400   448

patient.samples.sample.4.portions.portion.analytes.analyte.2.a260_a280_ratio:
 1.7 1.8 NA's
  1  2 454

patient.samples.sample.4.portions.portion.analytes.analyte.2.aliquots.aliquot.2.
tcga-a6-2684-11a-01r-1758-07 tcga-a6-3809-11a-01w-0996-09
                        1                        1
tcga-a6-3810-11a-01w-0996-09                        NA's
                        1                        454

patient.samples.sample.4.portions.portion.analytes.analyte.2.aliquots.aliquot.2.
26535485-3597-44fe-ae01-63491d87f86b 389b9900-ba9c-48b5-a90e-25982084c4c2
                        1                        1
745579ae-d038-45f9-a314-e10aef18aaa6                        NA's
                        1                        454

patient.samples.sample.4.portions.portion.analytes.analyte.2.aliquots.aliquot.2.
 97555490  97556734 1053958210      NA's
           1           1           1      454

```

```

patient.samples.sample.4.portions.portion.analytes.analyte.2.aliquots.aliquot.2.
  7    9 NA's
  1    2 454

patient.samples.sample.4.portions.portion.analytes.analyte.2.aliquots.aliquot.2.
0.14  0.5 NA's
  1    2 454

patient.samples.sample.4.portions.portion.analytes.analyte.2.aliquots.aliquot.2.
 11   12 NA's
  1    2 454

patient.samples.sample.4.portions.portion.analytes.analyte.2.aliquots.aliquot.2.
no NA's
  3   454

patient.samples.sample.4.portions.portion.analytes.analyte.2.aliquots.aliquot.2.
  5 NA's
  3   454

patient.samples.sample.4.portions.portion.analytes.analyte.2.aliquots.aliquot.2.
  3    8 NA's
  1    2 454

patient.samples.sample.4.portions.portion.analytes.analyte.2.aliquots.aliquot.2.
996 1758 NA's
  2    1 454

patient.samples.sample.4.portions.portion.analytes.analyte.2.aliquots.aliquot.2.
  c    d    g NA's
  1    1    1 454

patient.samples.sample.4.portions.portion.analytes.analyte.2.aliquots.aliquot.2.
1.86  40 NA's
  1    2 454

patient.samples.sample.4.portions.portion.analytes.analyte.2.aliquots.aliquot.2.
22 NA's
  3   454

patient.samples.sample.4.portions.portion.analytes.analyte.2.aliquots.aliquot.2.
13.3  80 NA's
  1    2 454

patient.samples.sample.4.portions.portion.analytes.analyte.2.aliquots.aliquot.2.
2010 2011 NA's
  2    1 454

patient.samples.sample.4.portions.portion.analytes.analyte.2.aliquots.aliquot.3.
tcga-a6-2684-11a-01r-a32z-07          NA's
                                     1          456

```

patient.samples.sample.4.portions.portion.analytes.analyte.2.aliquots.aliquot.3.
47adb423-3e97-4d73-86ab-3daafc157f5f NA's
1 456

patient.samples.sample.4.portions.portion.analytes.analyte.2.aliquots.aliquot.3.
150757401 NA's
1 456

patient.samples.sample.4.portions.portion.analytes.analyte.2.aliquots.aliquot.3.
7 NA's
1 456

patient.samples.sample.4.portions.portion.analytes.analyte.2.aliquots.aliquot.3.
0.14 NA's
1 456

patient.samples.sample.4.portions.portion.analytes.analyte.2.aliquots.aliquot.3.
2 NA's
1 456

patient.samples.sample.4.portions.portion.analytes.analyte.2.aliquots.aliquot.3.
no NA's
1 456

patient.samples.sample.4.portions.portion.analytes.analyte.2.aliquots.aliquot.3.
10 NA's
1 456

patient.samples.sample.4.portions.portion.analytes.analyte.2.aliquots.aliquot.3.
4 NA's
1 456

patient.samples.sample.4.portions.portion.analytes.analyte.2.aliquots.aliquot.3.
a32z NA's
1 456

patient.samples.sample.4.portions.portion.analytes.analyte.2.aliquots.aliquot.3.
d NA's
1 456

patient.samples.sample.4.portions.portion.analytes.analyte.2.aliquots.aliquot.3.
1.82 NA's
1 456

patient.samples.sample.4.portions.portion.analytes.analyte.2.aliquots.aliquot.3.
23 NA's
1 456

patient.samples.sample.4.portions.portion.analytes.analyte.2.aliquots.aliquot.3.
13 NA's
1 456

patient.samples.sample.4.portions.portion.analytes.analyte.2.aliquots.aliquot.3.
2013 NA's

1 456

patient.samples.sample.4.portions.portion.analytes.analyte.2.aliquots.aliquot.bi

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
9.756e+07	1.003e+08	1.087e+08	2.625e+08	1.087e+08	1.054e+09	451

patient.samples.sample.4.portions.portion.analytes.analyte.2.aliquots.aliquot.ce

7 10 13 NA's

2 3 1 451

patient.samples.sample.4.portions.portion.analytes.analyte.2.aliquots.aliquot.co

0.14 0.15 0.5 NA's

1 2 3 451

patient.samples.sample.4.portions.portion.analytes.analyte.2.aliquots.aliquot.da

4 6 11 12 NA's

1 2 1 2 451

patient.samples.sample.4.portions.portion.analytes.analyte.2.aliquots.aliquot.is

no NA's

6 451

patient.samples.sample.4.portions.portion.analytes.analyte.2.aliquots.aliquot.mo

4 5 NA's

2 4 451

patient.samples.sample.4.portions.portion.analytes.analyte.2.aliquots.aliquot.pl

3 6 8 NA's

1 2 3 451

patient.samples.sample.4.portions.portion.analytes.analyte.2.aliquots.aliquot.pl

995 1653 1727 1757 NA's

2 2 1 1 451

patient.samples.sample.4.portions.portion.analytes.analyte.2.aliquots.aliquot.pl

c d e g NA's

2 1 2 1 451

patient.samples.sample.4.portions.portion.analytes.analyte.2.aliquots.aliquot.qu

2.8 4.01 40 NA's

1 2 3 451

patient.samples.sample.4.portions.portion.analytes.analyte.2.aliquots.aliquot.so

22 NA's

6 451

patient.samples.sample.4.portions.portion.analytes.analyte.2.aliquots.aliquot.vo

20 26.7 80 NA's

```

1      2      3  451

patient.samples.sample.4.portions.portion.analytes.analyte.2.aliquots.aliquot.ye
2010 2011 NA's
2      4  451

patient.samples.sample.4.portions.portion.analytes.analyte.2.amount:
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.    NA's
  64.0  113.0   143.9   135.1  148.6   206.2    451

patient.samples.sample.4.portions.portion.analytes.analyte.2.analyte_type:
repli-g (qiagen) dna                      rna                      NA's
                   3                          3                          451

patient.samples.sample.4.portions.portion.analytes.analyte.2.analyte_type_id:
  r      w NA's
  3      3  451

patient.samples.sample.4.portions.portion.analytes.analyte.2.concentration:
0.14 0.15  0.5 NA's
  1      2      3  451

patient.samples.sample.4.portions.portion.analytes.analyte.2.dna.normal_tumor_ge
yes NA's
  3  454

patient.samples.sample.4.portions.portion.analytes.analyte.2.dna.pcr_amplificati
no NA's
  3  454

patient.samples.sample.4.portions.portion.analytes.analyte.2.gel_image_file:
https://sharedoc.nchri.org/tcga-bcr/default.aspx
                                           6
                                           NA's
                                           451

patient.samples.sample.4.portions.portion.analytes.analyte.2.is_derived_from_ffp
no NA's
  6  451

patient.samples.sample.4.portions.portion.analytes.analyte.2.protocols.protocol.
allprep rna extraction                      repli-g                      NA's
                   3                          3                          451

patient.samples.sample.4.portions.portion.analytes.analyte.2.rna.ratio_28s_18s:
1.39 1.42 1.58 NA's
  1      1      1  454

patient.samples.sample.4.portions.portion.analytes.analyte.2.rna.rinvalue:
7.1  7.3      8 NA's

```

1 1 1 454

patient.samples.sample.4.portions.portion.analytes.analyte.2.spectrophotometer_m
uv spec NA's
6 451

patient.samples.sample.4.portions.portion.analytes.analyte.3.aliquots.aliquot.bo
tcga-a6-3809-11a-01x-0997-10 tcga-a6-3810-11a-01x-0997-10
1 1
tcga-a6-5659-11a-01w-1727-10 tcga-a6-5665-11a-01w-1727-10
1 1
NA's
453

patient.samples.sample.4.portions.portion.analytes.analyte.3.aliquots.aliquot.bo
45b049e6-18f5-4368-85f6-7522587b5e52 4f2ab556-8516-4d54-88db-d89c2899b710
1 1
5d0c5e3a-35dc-43ff-9bf4-f7f9c9fd63b0 a93d34aa-ed82-41c7-a0f5-bbf769388cfe
1 1
NA's
453

patient.samples.sample.4.portions.portion.analytes.analyte.3.aliquots.aliquot.bi
97556350 97556359 108686704 108686752 NA's
1 1 1 1 453

patient.samples.sample.4.portions.portion.analytes.analyte.3.aliquots.aliquot.ce
10 NA's
4 453

patient.samples.sample.4.portions.portion.analytes.analyte.3.aliquots.aliquot.co
0.5 NA's
4 453

patient.samples.sample.4.portions.portion.analytes.analyte.3.aliquots.aliquot.da
4 12 NA's
2 2 453

patient.samples.sample.4.portions.portion.analytes.analyte.3.aliquots.aliquot.is
no NA's
4 453

patient.samples.sample.4.portions.portion.analytes.analyte.3.aliquots.aliquot.mo
5 NA's
4 453

patient.samples.sample.4.portions.portion.analytes.analyte.3.aliquots.aliquot.pl
8 NA's
4 453

patient.samples.sample.4.portions.portion.analytes.analyte.3.aliquots.aliquot.pl
997 1727 NA's

```

2      2      453

patient.samples.sample.4.portions.portion.analytes.analyte.3.aliquots.aliquot.pl
c      d      g NA's
2      1      1      453

patient.samples.sample.4.portions.portion.analytes.analyte.3.aliquots.aliquot.qu
40 NA's
4      453

patient.samples.sample.4.portions.portion.analytes.analyte.3.aliquots.aliquot.so
22 NA's
4      453

patient.samples.sample.4.portions.portion.analytes.analyte.3.aliquots.aliquot.vo
80 NA's
4      453

patient.samples.sample.4.portions.portion.analytes.analyte.3.aliquots.aliquot.ye
2010 2011 NA's
2      2      453

patient.samples.sample.4.portions.portion.analytes.analyte.3.amount:
50   99  144  145 NA's
1     1    1    1    453

patient.samples.sample.4.portions.portion.analytes.analyte.3.analyte_type:
repli-g (qiagen) dna repli-g x (qiagen) dna                      NA's
                2                2                      453

patient.samples.sample.4.portions.portion.analytes.analyte.3.analyte_type_id:
w      x NA's
2      2      453

patient.samples.sample.4.portions.portion.analytes.analyte.3.bcr_analyte_barcode
tcga-a6-3809-11a-01x tcga-a6-3810-11a-01x tcga-a6-5659-11a-01w
                1                1                1
tcga-a6-5665-11a-01w                      NA's
                1                453

patient.samples.sample.4.portions.portion.analytes.analyte.3.bcr_analyte_uuid:
4b8035b2-9e5a-40c4-a609-4a03c20f49f5 9ac5366a-df17-4e63-8be2-d72f2c251f92
                1                1
dcc03ee5-00c7-4992-9da8-8782c187fe6e ee6edae6-907a-472e-b669-9afaa64af220
                1                1
                NA's
                453

patient.samples.sample.4.portions.portion.analytes.analyte.3.concentration:
0.5 NA's
4      453

```


patient.samples.sample.4.portions.portion.analytes.analyte.3.dna.normal_tumor_g
yes NA's
4 453

patient.samples.sample.4.portions.portion.analytes.analyte.3.dna.pcr_amplificati
no NA's
4 453

patient.samples.sample.4.portions.portion.analytes.analyte.3.gel_image_file:
<https://sharedoc.nchri.org/tcga-bcr/default.aspx>
4
NA's
453

patient.samples.sample.4.portions.portion.analytes.analyte.3.is_derived_from_ffp
no NA's
4 453

patient.samples.sample.4.portions.portion.analytes.analyte.3.protocols.protocol.
repli-g repli-g x NA's
2 2 453

patient.samples.sample.4.portions.portion.analytes.analyte.3.spectrophotometer_m
uv spec NA's
4 453

patient.samples.sample.4.portions.portion.analytes.analyte.a260_a280_ratio:
1.8 1.9 NA's
1 8 448

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.2.bi
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
9.885e+07 1.087e+08 1.087e+08 5.248e+08 1.050e+09 1.050e+09 448

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.2.ce
1 5 NA's
7 2 448

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.2.co
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
0.0700 0.1500 0.1500 0.1444 0.1600 0.1700 448

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.2.da
6 14 26 NA's
3 4 2 448

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.2.is
no NA's
9 448

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.2.mo
 2 4 5 NA's
 4 3 2 448

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.2.pl
 7 9 10 11 NA's
 5 2 1 1 448

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.2.pl
 1020 1549 1649 NA's
 2 4 3 448

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.2.qu
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 0.470 1.000 1.000 1.677 1.070 4.540 448

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.2.sc
 22 NA's
 9 448

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.2.vo
 6.67 26.7 NA's
 7 2 448

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.2.ye
 2010 2011 NA's
 2 7 448

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.3.bi
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 9.885e+07 1.087e+08 1.087e+08 5.248e+08 1.050e+09 1.050e+09 448

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.3.ce
 5 10 NA's
 4 5 448

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.3.co
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 0.05 0.05 0.14 0.11 0.15 0.17 448

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.3.da
 6 14 26 NA's
 3 4 2 448

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.3.is
 no NA's
 9 448

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.3.mo

2 4 5 NA's
4 3 2 448

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.3.pl
7 9 10 11 NA's
5 2 1 1 448

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.3.pl
1024 1551 1650 NA's
2 4 3 448

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.3.qu
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
1.010 1.870 2.000 2.449 3.740 4.270 448

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.3.sc
22 NA's
9 448

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.3.vo
6.7 26.7 40 NA's
2 4 3 448

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.3.ye
2010 2011 NA's
2 7 448

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.4.bi
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
9.885e+07 1.087e+08 1.087e+08 5.249e+08 1.050e+09 1.050e+09 448

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.4.ce
5 9 10 NA's
3 2 4 448

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.4.co
0.05 0.15 0.16 0.17 NA's
4 3 1 1 448

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.4.da
6 14 26 NA's
3 4 2 448

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.4.is
no NA's
9 448

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.4.mo
2 4 5 NA's

4 3 2 448

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.4.pl

6 7 NA's

6 3 448

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.4.pl

1026 1554 1651 NA's

2 4 3 448

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.4.qu

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1.010	2.000	2.000	2.493	4.010	4.270	448

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.4.sc

22 NA's

9 448

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.4.vo

6.7 26.7 40 NA's

2 3 4 448

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.4.ye

2010 2011 NA's

2 7 448

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.5.bi

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1.005e+08	1.070e+08	1.070e+08	5.247e+08	1.050e+09	1.050e+09	448

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.5.ce

2 9 23 NA's

2 4 3 448

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.5.co

0.05 0.15 0.16 0.17 NA's

4 3 1 1 448

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.5.da

11 14 29 NA's

2 4 3 448

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.5.is

no NA's

9 448

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.5.mo

2 6 8 NA's

4 3 2 448

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.5.pl
 5 6 9 10 NA's
 1 4 3 1 448

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.5.pl
 1167 1555 1862 NA's
 2 4 3 448

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.5.qu
 2 2.26 NA's
 5 1 451

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.5.sc
 22 23 NA's
 6 3 448

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.5.vo
 13.3 40 NA's
 2 4 451

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.5.ye
 2010 2011 NA's
 2 7 448

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.6.bo
 tcga-a6-2684-11a-01d-1861-23 tcga-a6-3809-11a-01d-1614-24
 1 1
 tcga-a6-3810-11a-01d-1614-24 NA's
 1 454

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.6.bo
 058bbd88-69ec-4c80-9722-b69f4f32c757 30a2cfc3-bb39-448c-8481-34331700cc25
 1 1
 35525a5a-4bb5-48e8-bd73-2f3c621fbfef NA's
 1 454

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.6.bi
 107030443 1052625145 1052625156 NA's
 1 1 1 454

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.6.ce
 23 24 NA's
 1 2 454

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.6.co
 0.15 0.17 NA's
 2 1 454

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.6.da
 29 31 NA's

```

1      2      454

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.6.is
no NA's
3      454

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.6.mo
3      6 NA's
2      1      454

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.6.pl
5      7 NA's
1      2      454

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.6.pl
1614 1861 NA's
2      1      454

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.6.pl
a      b      h NA's
1      1      1      454

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.6.qu
1 1.13 NA's
1      1      455

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.6.so
22     23 NA's
2      1      454

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.6.vo
6.67 NA's
2      455

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.6.ye
2011 NA's
3      454

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.7.bo
tcga-a6-3809-11a-01d-1619-23 tcga-a6-3810-11a-01d-1619-23
1                                     1
NA's
455

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.7.bo
5c89fee3-7fdb-4a16-bcf3-c3a61d2ea7a2 60136d2c-6477-4e8b-aab4-29698b38d0c3
1                                     1
NA's
455

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.7.bi
1052626690 1052626701      NA's

```

```

1          1          455
patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.7.ce
23 NA's
2 455

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.7.co
0.15 0.17 NA's
1 1 455

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.7.da
22 NA's
2 455

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.7.is
no NA's
2 455

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.7.mo
3 NA's
2 455

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.7.pl
7 NA's
2 455

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.7.pl
1619 NA's
2 455

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.7.pl
a b NA's
1 1 455

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.7.so
23 NA's
2 455

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.7.ye
2011 NA's
2 455

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.8.bo
tcga-a6-3810-11a-01d-1981-10 NA's
1 456

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.8.bo
0e8a979b-a4b6-4af8-ae3e-f34587979605 NA's
1 456

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.8.bi
113627963 NA's

```

1 456

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.8.ce

10 NA's

1 456

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.8.co

0.15 NA's

1 456

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.8.da

29 NA's

1 456

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.8.is

no NA's

1 456

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.8.mo

8 NA's

1 456

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.8.pl

12 NA's

1 456

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.8.pl

1981 NA's

1 456

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.8.pl

d NA's

1 456

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.8.qu

3 NA's

1 456

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.8.so

22 NA's

1 456

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.8.vo

20 NA's

1 456

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.8.ye

2011 NA's

1 456


```
patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.bios
  Min. 1st Qu.  Median      Mean 3rd Qu.    Max.    NA's
9.885e+07 1.087e+08 1.087e+08 5.248e+08 1.050e+09 1.050e+09    448
```

```
patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.cent
  1    2 NA's
  2    7 448
```

```
patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.conc
  Min. 1st Qu.  Median      Mean 3rd Qu.    Max.    NA's
0.0700 0.1500 0.1500 0.1444 0.1600 0.1700    448
```

```
patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.day_
  6 14 26 NA's
  3  4  2 448
```

```
patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.is_d
no NA's
  9 448
```

```
patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.mont
  2  4  5 NA's
  4  3  2 448
```

```
patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.plat
  7  9 10 11 NA's
  5  2  1  1 448
```

```
patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.plat
1018 1547 1648 NA's
  2  4  3 448
```

```
patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.quant
  Min. 1st Qu.  Median      Mean 3rd Qu.    Max.    NA's
0.930  1.140  2.000  1.689  2.000  2.130    448
```

```
patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.sour
22 NA's
  9 448
```

```
patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.volun
6.7 13.3 NA's
  2  7 448
```

```
patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.year
2010 2011 NA's
  2  7 448
```

```
patient.samples.sample.4.portions.portion.analytes.analyte.amount:
  Min. 1st Qu.  Median      Mean 3rd Qu.    Max.    NA's
16.73  95.73 316.70 291.75 468.86 593.73    448
```

```
patient.samples.sample.4.portions.portion.analytes.analyte.analyte_type:
dna NA's
9 448
```

```
patient.samples.sample.4.portions.portion.analytes.analyte.analyte_type_id:
d NA's
9 448
```

```
patient.samples.sample.4.portions.portion.analytes.analyte.concentration:
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
0.0700 0.1500 0.1500 0.1444 0.1600 0.1700 448
```

```
patient.samples.sample.4.portions.portion.analytes.analyte.dna.normal_tumor_gene:
yes NA's
9 448
```

```
patient.samples.sample.4.portions.portion.analytes.analyte.dna.pcr_amplification:
no yes NA's
7 2 448
```

```
patient.samples.sample.4.portions.portion.analytes.analyte.gel_image_file:
https://sharedoc.nchri.org/tcga-bcr/default.aspx
9
NA's
448
```

```
patient.samples.sample.4.portions.portion.analytes.analyte.is_derived_from_ffpe:
no NA's
9 448
```

```
patient.samples.sample.4.portions.portion.analytes.analyte.protocols.protocol.experimental_preparation_type:
adna preparation type NA's
9 448
```

```
patient.samples.sample.4.portions.portion.analytes.analyte.spectrophotometer_method:
uv spec NA's
9 448
```

```
patient.samples.sample.4.portions.portion.day_of_creation:
10 11 16 NA's
3 2 4 448
```

```
patient.samples.sample.4.portions.portion.is_ffpe:
no NA's
9 448
```

```
patient.samples.sample.4.portions.portion.month_of_creation:
```

1	3	12	NA's
3	2	4	448

patient.samples.sample.4.portions.portion.portion_number:

1	NA's
9	448

patient.samples.sample.4.portions.portion.slides.slide.2.bcr_slide_barcode:

tcga-a6-3809-11a-01-ts1	tcga-a6-3810-11a-01-ts1	NA's
1	1	455

patient.samples.sample.4.portions.portion.slides.slide.2.bcr_slide_uuid:

b729304b-9abb-4c03-a0da-efabd8d79587	ca0ed29f-23cc-476a-b69c-52b4077da741	1
1	1	NA's
		455

patient.samples.sample.4.portions.portion.slides.slide.2.image_file_name:

tcga-a6-3809-11a-01-ts1.ca0ed29f-23cc-476a-b69c-52b4077da741.svs	1
tcga-a6-3810-11a-01-ts1.b729304b-9abb-4c03-a0da-efabd8d79587.svs	1
	NA's
	455

patient.samples.sample.4.portions.portion.slides.slide.2.is_derived_from_ffpe:

no	NA's
2	455

patient.samples.sample.4.portions.portion.slides.slide.2.section_location:

top	NA's
2	455

patient.samples.sample.4.portions.portion.slides.slide.is_derived_from_ffpe:

no	NA's
9	448

patient.samples.sample.4.portions.portion.slides.slide.section_location:

bottom	top	NA's
2	7	448

patient.samples.sample.4.portions.portion.weight:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
56.00	60.00	63.00	80.11	69.00	159.00	448

patient.samples.sample.4.portions.portion.year_of_creation:

2010	2011	NA's
6	3	448

```

patient.samples.sample.4.sample_type:
solid tissue normal          NA's
          9                   448

patient.samples.sample.4.sample_type_id:
  11 NA's
   9  448

patient.samples.sample.4.shortest_dimension:
  Min. 1st Qu.  Median    Mean 3rd Qu.  Max.    NA's
  0.4000 0.5000 0.7000 0.6444 0.8000 0.9000  448

patient.samples.sample.4.vial_number:
  a NA's
   9  448

patient.samples.sample.days_to_collection:
  Min. 1st Qu.  Median    Mean 3rd Qu.  Max.    NA's
  14.0  280.2   912.0 1491.3 2230.5 4563.0  351

patient.samples.sample.diagnostic_slides.ffpe_slide_uuid.3:
1de7d5ed-60f7-4645-8243-ab0c027b3ed7          NA's
          1                                   456

patient.samples.sample.initial_weight:
  Min. 1st Qu.  Median    Mean 3rd Qu.  Max.    NA's
  50.0  150.0   270.0   326.3  435.0 1160.0  351

patient.samples.sample.intermediate_dimension:
  Min. 1st Qu.  Median    Mean 3rd Qu.  Max.    NA's
  0.2000 0.6000 0.8000 0.8063 1.0000 2.5000  107

patient.samples.sample.is_ffpe:
no
457

patient.samples.sample.longest_dimension:
  Min. 1st Qu.  Median    Mean 3rd Qu.  Max.    NA's
  0.30  0.90   1.00   1.24  1.50  3.00  107

patient.samples.sample.oct_embedded:
false true NA's
  96  10  351

patient.samples.sample.portions.portion.2.analytes.analyte.2.a260_a280_ratio:
  1.8 1.87 NA's

```

2 1 454

patient.samples.sample.portions.portion.2.analytes.analyte.2.aliquots.aliquot.bo
tcga-a6-2675-01a-02r-1723-07 tcga-a6-4105-01a-02r-1774-07

1 1

tcga-aa-a02k-01a-21r-a082-13 NA's
1 454

patient.samples.sample.portions.portion.2.analytes.analyte.2.aliquots.aliquot.bo
02425503-99c9-4a4e-841f-5b8b4de64148 1493b166-ffc2-4689-8b77-a8b972b6dbc0

1 1

3aa5c179-5ff2-4883-80f7-84c592bc4916 NA's
1 454

patient.samples.sample.portions.portion.2.analytes.analyte.2.aliquots.aliquot.bi
99015484 108687647 1053959487 NA's

1 1 1 454

patient.samples.sample.portions.portion.2.analytes.analyte.2.aliquots.aliquot.ce

7 13 NA's

2 1 454

patient.samples.sample.portions.portion.2.analytes.analyte.2.aliquots.aliquot.co
0.14 0.16 NA's

2 1 454

patient.samples.sample.portions.portion.2.analytes.analyte.2.aliquots.aliquot.da

18 22 27 NA's

1 1 1 454

patient.samples.sample.portions.portion.2.analytes.analyte.2.aliquots.aliquot.is
no NA's

3 454

patient.samples.sample.portions.portion.2.analytes.analyte.2.aliquots.aliquot.mo

4 5 9 NA's

1 1 1 454

patient.samples.sample.portions.portion.2.analytes.analyte.2.aliquots.aliquot.pl

1 NA's

3 454

patient.samples.sample.portions.portion.2.analytes.analyte.2.aliquots.aliquot.pl
1723 1774 a082 NA's

1 1 1 454

patient.samples.sample.portions.portion.2.analytes.analyte.2.aliquots.aliquot.pl

a d NA's

2 1 454

patient.samples.sample.portions.portion.2.analytes.analyte.2.aliquots.aliquot.qu
2.13 2.8 3.74 NA's

```

1      1      1      454

patient.samples.sample.portions.portion.2.analytes.analyte.2.aliquots.aliquot.so
22     23 NA's
2      1      454

patient.samples.sample.portions.portion.2.analytes.analyte.2.aliquots.aliquot.vo
13.3   20 26.7 NA's
1      1      1      454

patient.samples.sample.portions.portion.2.analytes.analyte.2.aliquots.aliquot.ye
2010 2011 NA's
1      2      454

patient.samples.sample.portions.portion.2.analytes.analyte.2.amount:
68.85  350 725.2 NA's
1      1      1      454

patient.samples.sample.portions.portion.2.analytes.analyte.2.analyte_type:
rna NA's
3      454

patient.samples.sample.portions.portion.2.analytes.analyte.2.analyte_type_id:
r NA's
3      454

patient.samples.sample.portions.portion.2.analytes.analyte.2.bcr_analyte_barcode
tcga-a6-2675-01a-02r tcga-a6-4105-01a-02r tcga-aa-a02k-01a-21r
1                                     1                                     1
NA's
454

patient.samples.sample.portions.portion.2.analytes.analyte.2.bcr_analyte_uuid:
18ff7709-5366-41d3-81ff-e22156fc61e6 86ed1071-2966-4d54-a73d-2078f5bf308a
1                                     1
a0dc0a57-a808-4c4f-b075-15d4b31d3a39 NA's
1                                     454

patient.samples.sample.portions.portion.2.analytes.analyte.2.concentration:
0.14 0.16 NA's
2      1      454

patient.samples.sample.portions.portion.2.analytes.analyte.2.gel_image_file:
https://sharedoc.nchri.org/tcga-bcr/default.aspx
3
NA's
454

patient.samples.sample.portions.portion.2.analytes.analyte.2.is_derived_from_ffp
no NA's
3      454

```

```

patient.samples.sample.portions.portion.2.analytes.analyte.2.protocols.protocol.
  allprep rna extraction mirvana (allprep dna) rna NA's
                2                                1          454

patient.samples.sample.portions.portion.2.analytes.analyte.2.rna.ratio_28s_18s:
1.59 1.6 1.7 NA's
    1  1  1  454

patient.samples.sample.portions.portion.2.analytes.analyte.2.rna.rinvalue:
 7.1 8.8 9.2 NA's
    1  1  1  454

patient.samples.sample.portions.portion.2.analytes.analyte.2.spectrophotometer_m
uv spec NA's
    3    454

patient.samples.sample.portions.portion.2.analytes.analyte.2.subportion_sequence
 1 NA's
 1 456

patient.samples.sample.portions.portion.2.analytes.analyte.3.aliquots.aliquot.bo
tcga-a6-2675-01a-02t-1722-13 tcga-a6-4105-01a-02t-1773-13
                1                                1
tcga-aa-a02k-01a-21w-a096-10 NA's
                1                                454

patient.samples.sample.portions.portion.2.analytes.analyte.3.aliquots.aliquot.bo
05be0bc8-b645-401b-9639-cde6c2086d15 0f5bddc4-4222-4964-8593-75ab9e6a5756
                1                                1
e7c44cf0-9970-48b7-8fab-ffdbbb0dd946 NA's
                1                                454

patient.samples.sample.portions.portion.2.analytes.analyte.3.aliquots.aliquot.bi
100489864 108687071 1053959199 NA's
                1            1            1            454

patient.samples.sample.portions.portion.2.analytes.analyte.3.aliquots.aliquot.ce
 10 13 NA's
    1  2  454

patient.samples.sample.portions.portion.2.analytes.analyte.3.aliquots.aliquot.co
 0.1 0.5 NA's
    2  1  454

patient.samples.sample.portions.portion.2.analytes.analyte.3.aliquots.aliquot.da
  6 18 27 NA's
    1  1  1  454

patient.samples.sample.portions.portion.2.analytes.analyte.3.aliquots.aliquot.is
no NA's
  3 454

```

```

patient.samples.sample.portions.portion.2.analytes.analyte.3.aliquots.aliquot.mo
  4   5  10 NA's
  1   1   1 454

patient.samples.sample.portions.portion.2.analytes.analyte.3.aliquots.aliquot.pl
  1   3 NA's
  2   1 454

patient.samples.sample.portions.portion.2.analytes.analyte.3.aliquots.aliquot.pl
1722 1773 a096 NA's
  1   1   1 454

patient.samples.sample.portions.portion.2.analytes.analyte.3.aliquots.aliquot.pl
  a   b NA's
  2   1 454

patient.samples.sample.portions.portion.2.analytes.analyte.3.aliquots.aliquot.qu
  3  40 NA's
  2   1 454

patient.samples.sample.portions.portion.2.analytes.analyte.3.aliquots.aliquot.sc
 22  23 NA's
  2   1 454

patient.samples.sample.portions.portion.2.analytes.analyte.3.aliquots.aliquot.vo
 30  80 NA's
  2   1 454

patient.samples.sample.portions.portion.2.analytes.analyte.3.aliquots.aliquot.ye
2010 2011 NA's
  1   2 454

patient.samples.sample.portions.portion.2.analytes.analyte.3.amount:
 50 687.5 NA's
  1   1 455

patient.samples.sample.portions.portion.2.analytes.analyte.3.analyte_type:
repli-g (qiagen) dna          total rna          NA's
                   1              2              454

patient.samples.sample.portions.portion.2.analytes.analyte.3.analyte_type_id:
  t   w NA's
  2   1 454

patient.samples.sample.portions.portion.2.analytes.analyte.3.bcr_analyte_barcode
tcga-a6-2675-01a-02t tcga-a6-4105-01a-02t tcga-aa-a02k-01a-21w
                   1              1              1
                   NA's
                   454

patient.samples.sample.portions.portion.2.analytes.analyte.3.bcr_analyte_uuid:
12c60b42-7cb1-421e-8258-0bd91aa77c51 270d4198-43ab-47d6-9acb-1cc9d145174e

```



```

1
774f3102-6fd7-4093-9246-6a242e11b524 NA's
1 454

patient.samples.sample.portions.portion.2.analytes.analyte.3.concentration:
0.1 NA's
2 455

patient.samples.sample.portions.portion.2.analytes.analyte.3.dna.normal_tumor_ge
yes NA's
1 456

patient.samples.sample.portions.portion.2.analytes.analyte.3.dna.pcr_amplificati
yes NA's
1 456

patient.samples.sample.portions.portion.2.analytes.analyte.3.gel_image_file:
https://sharedoc.nchri.org/tcga-bcr/default.aspx
3
NA's
454

patient.samples.sample.portions.portion.2.analytes.analyte.3.is_derived_from_ffp
no NA's
3 454

patient.samples.sample.portions.portion.2.analytes.analyte.3.protocols.protocol.
repli-g total rna NA's
1 2 454

patient.samples.sample.portions.portion.2.analytes.analyte.3.rna.ratio_28s_18s:
1.34 1.5 NA's
1 1 455

patient.samples.sample.portions.portion.2.analytes.analyte.3.rna.rinvalue:
7.4 8.1 NA's
1 1 455

patient.samples.sample.portions.portion.2.analytes.analyte.3.spectrophotometer_m
uv spec NA's
2 455

patient.samples.sample.portions.portion.2.analytes.analyte.3.subportion_sequence
1 NA's
1 456

patient.samples.sample.portions.portion.2.analytes.analyte.4.aliquots.aliquot.bo
tcga-a6-2675-01a-02w-1791-10 tcga-a6-4105-01a-02w-1811-10
1 1
tcga-aa-a02k-01a-21x-a095-10 NA's
1 454

```

```

patient.samples.sample.portions.portion.2.analytes.analyte.4.aliquots.aliquot.bo
265fbb5b-6953-4da6-81aa-4ffba5f7e9e a54b0fc6-9fce-49a3-a788-2fd200194e4c
                                1                                1
d6012a99-5ca9-46a9-ba05-8e7ed35172b7                                NA's
                                1                                454

patient.samples.sample.portions.portion.2.analytes.analyte.4.aliquots.aliquot.bi
99029378 107042319 107042895 NA's
                1                1                1                454

patient.samples.sample.portions.portion.2.analytes.analyte.4.aliquots.aliquot.ce
10 NA's
3 454

patient.samples.sample.portions.portion.2.analytes.analyte.4.aliquots.aliquot.co
0.5 NA's
3 454

patient.samples.sample.portions.portion.2.analytes.analyte.4.aliquots.aliquot.da
6 13 25 NA's
1 1 1 454

patient.samples.sample.portions.portion.2.analytes.analyte.4.aliquots.aliquot.is
no NA's
3 454

patient.samples.sample.portions.portion.2.analytes.analyte.4.aliquots.aliquot.mo
5 6 10 NA's
1 1 1 454

patient.samples.sample.portions.portion.2.analytes.analyte.4.aliquots.aliquot.pl
1 3 NA's
2 1 454

patient.samples.sample.portions.portion.2.analytes.analyte.4.aliquots.aliquot.pl
1791 1811 a095 NA's
1 1 1 454

patient.samples.sample.portions.portion.2.analytes.analyte.4.aliquots.aliquot.pl
b NA's
3 454

patient.samples.sample.portions.portion.2.analytes.analyte.4.aliquots.aliquot.qu
40 NA's
3 454

patient.samples.sample.portions.portion.2.analytes.analyte.4.aliquots.aliquot.so
22 23 NA's
2 1 454

patient.samples.sample.portions.portion.2.analytes.analyte.4.aliquots.aliquot.vo
80 NA's

```

3 454

patient.samples.sample.portions.portion.2.analytes.analyte.4.aliquots.aliquot.ye
2010 2011 NA's
1 2 454

patient.samples.sample.portions.portion.2.analytes.analyte.4.amount:
158 163 NA's
1 1 455

patient.samples.sample.portions.portion.2.analytes.analyte.4.analyte_type:
repli-g (qiagen) dna repli-g x (qiagen) dna NA's
2 1 454

patient.samples.sample.portions.portion.2.analytes.analyte.4.analyte_type_id:
w x NA's
2 1 454

patient.samples.sample.portions.portion.2.analytes.analyte.4.bcr_analyte_barcode
tcga-a6-2675-01a-02w tcga-a6-4105-01a-02w tcga-aa-a02k-01a-21x
1 1 1
NA's
454

patient.samples.sample.portions.portion.2.analytes.analyte.4.bcr_analyte_uuid:
6bc58c12-7591-42b0-81ae-bb4b847cf4c3 a515ff54-04a1-4029-bb8c-1c1361ffd5e4
1 1
e3a7a32c-2e46-44c7-a16e-209cf994c7cb NA's
1 454

patient.samples.sample.portions.portion.2.analytes.analyte.4.concentration:
0.5 NA's
2 455

patient.samples.sample.portions.portion.2.analytes.analyte.4.dna.normal_tumor_ge
yes NA's
3 454

patient.samples.sample.portions.portion.2.analytes.analyte.4.dna.pcr_amplificati
no yes NA's
2 1 454

patient.samples.sample.portions.portion.2.analytes.analyte.4.gel_image_file:
<https://sharedoc.nchri.org/tcga-bcr/default.aspx>
3
NA's
454

patient.samples.sample.portions.portion.2.analytes.analyte.4.is_derived_from_ffp
no NA's
3 454

```

patient.samples.sample.portions.portion.2.analytes.analyte.4.protocols.protocol.
  repli-g repli-g x      NA's
           2           1      454

patient.samples.sample.portions.portion.2.analytes.analyte.4.spectrophotometer_m
picogreen  uv spec      NA's
           1           1      455

patient.samples.sample.portions.portion.2.analytes.analyte.4.subportion_sequence
  1 NA's
  1 456

patient.samples.sample.portions.portion.2.analytes.analyte.a260_a280_ratio:
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.    NA's
  1.640  1.855   1.900   1.884  1.930   2.020   446

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.2.bo
tcga-a6-2675-01a-02d-1717-01 tcga-a6-4105-01a-02d-1770-01
                               1                               1
tcga-aa-a02k-01a-21d-a079-02                               NA's
                               1                               454

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.2.bo
20214bc7-e1bd-4420-bdca-0e60abd62fd7 5f36d619-2676-4d0c-ad6f-f61d582bb418
                               1                               1
7cc17f3d-27f5-484a-8e22-c9d0b5b27836                               NA's
                               1                               454

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.2.bi
  99027149 108687455 1053959103      NA's
           1           1           1      454

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.2.ce
  1 2 NA's
  2 1 454

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.2.co
  0.15 0.16 NA's
  2 1 454

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.2.da
  18 22 27 NA's
  1 1 1 454

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.2.is
  no NA's
  3 454

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.2.mo
  4 5 9 NA's
  1 1 1 454

```

```

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.2.pl
  1    3 NA's
  2    1 454

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.2.pl
1717 1770 a079 NA's
  1    1    1 454

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.2.pl
  a NA's
  3 454

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.2.qu
  1 1.07 1.95 NA's
  1    1    1 454

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.2.sc
  22  23 NA's
  2    1 454

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.2.vo
6.67   13 NA's
  2    1 454

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.2.ye
2010 2011 NA's
  1    2 454

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.3.bo
tcga-a6-2675-01a-02d-1719-10 tcga-a6-4105-01a-02d-1771-10
                                1                                1
tcga-aa-a02k-01a-21d-a080-01                                NA's
                                1                                454

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.3.bo
37c42da1-2d9b-479e-8160-9da868137b4c 500069b9-de7c-453c-8da2-7cf1794487bc
                                1                                1
c4559d43-5aa7-456a-9e1f-eae286a1de16                                NA's
                                1                                454

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.3.bi
  99015453  108687359 1053959967          NA's
                1          1          1          454

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.3.ce
  1  10 NA's
  1  2 454

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.3.co
0.05 0.15 NA's
  2    1 454

```


patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.4.bi
99029402 108687743 1053945481 NA's
1 1 1 454

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.4.ce
5 NA's
3 454

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.4.co
0.15 0.16 NA's
2 1 454

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.4.da
18 22 27 NA's
1 1 1 454

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.4.is
no NA's
3 454

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.4.mo
4 5 9 NA's
1 1 1 454

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.4.pl
1 3 NA's
2 1 454

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.4.pl
1721 1772 a081 NA's
1 1 1 454

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.4.pl
a NA's
3 454

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.4.qu
2.13 4.01 NA's
1 2 454

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.4.so
22 23 NA's
2 1 454

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.4.vo
13.3 26.7 NA's
1 2 454

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.4.ye
2010 2011 NA's
1 2 454

```

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.5.bo
tcga-a6-2675-01a-02d-1864-23 tcga-a6-4105-01a-02d-1865-23
                                1                                1
tcga-aa-a02k-01a-21d-a094-10                                NA's
                                1                                454

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.5.bo
294d7bb5-f128-4e7c-81da-3f420186b860 6129db00-21c5-4967-980e-a686ced4e164
                                1                                1
e6593429-a434-4238-a468-1b1e0f90e2ba                                NA's
                                1                                454

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.5.bi
99015400 107030246 107030436 NA's
                                1                                1                                1                                454

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.5.ce
10 23 NA's
1 2 454

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.5.co
0.08 0.15 0.16 NA's
1 1 1 454

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.5.da
6 29 NA's
1 2 454

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.5.is
no NA's
3 454

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.5.mo
6 10 NA's
2 1 454

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.5.pl
1 3 NA's
1 2 454

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.5.pl
1864 1865 a094 NA's
1 1 1 454

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.5.pl
a b NA's
2 1 454

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.5.qu
2.08 NA's
1 456

```


patient.samples.sample.portions.portion.2.analytes.analyte.aliqots.aliquot.5.sc
 23 NA's
 3 454

patient.samples.sample.portions.portion.2.analytes.analyte.aliqots.aliquot.5.vo
 26 NA's
 1 456

patient.samples.sample.portions.portion.2.analytes.analyte.aliqots.aliquot.5.ye
 2010 2011 NA's
 1 2 454

patient.samples.sample.portions.portion.2.analytes.analyte.aliqots.aliquot.bios
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 8.949e+07 9.903e+07 9.904e+07 1.960e+08 1.063e+08 1.054e+09 447

patient.samples.sample.portions.portion.2.analytes.analyte.aliqots.aliquot.cent
 2 5 13 23 NA's
 2 1 7 1 446

patient.samples.sample.portions.portion.2.analytes.analyte.aliqots.aliquot.conc
 0.13 0.15 0.16 NA's
 1 7 2 447

patient.samples.sample.portions.portion.2.analytes.analyte.aliqots.aliquot.day_
 8 18 27 31 NA's
 7 1 1 1 447

patient.samples.sample.portions.portion.2.analytes.analyte.aliqots.aliquot.is_d
 no NA's
 10 447

patient.samples.sample.portions.portion.2.analytes.analyte.aliqots.aliquot.mont
 4 5 8 9 NA's
 1 1 1 7 447

patient.samples.sample.portions.portion.2.analytes.analyte.aliqots.aliquot.plat
 1 3 8 NA's
 7 2 1 447

patient.samples.sample.portions.portion.2.analytes.analyte.aliqots.aliquot.quan
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 1.950 2.248 3.000 2.688 3.000 3.200 447

patient.samples.sample.portions.portion.2.analytes.analyte.aliqots.aliquot.sour
 22 23 NA's
 2 9 446

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.volum
 13 13.3 20 NA's
 1 2 7 447

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.year
 2010 2011 NA's
 7 3 447

patient.samples.sample.portions.portion.2.analytes.analyte.amount:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 22.95 44.77 65.70 164.16 75.81 921.40 446

patient.samples.sample.portions.portion.2.analytes.analyte.analyte_type:
 dna rna NA's
 4 7 446

patient.samples.sample.portions.portion.2.analytes.analyte.analyte_type_id:
 d r NA's
 4 7 446

patient.samples.sample.portions.portion.2.analytes.analyte.concentration:
 0.13 0.15 0.16 NA's
 1 8 2 446

patient.samples.sample.portions.portion.2.analytes.analyte.dna.normal_tumor_gene
 yes NA's
 4 453

patient.samples.sample.portions.portion.2.analytes.analyte.dna.pcr_amplification
 no yes NA's
 1 3 453

patient.samples.sample.portions.portion.2.analytes.analyte.gel_image_file:
<https://sharedoc.nchri.org/tcga-bcr/default.aspx>
 11
 NA's
 446

patient.samples.sample.portions.portion.2.analytes.analyte.is_derived_from_ffpe:
 no NA's
 11 446

patient.samples.sample.portions.portion.2.analytes.analyte.protocols.protocol.ex
 adna preparation type mirvana (allprep dna) rna NA's
 4 7 446

patient.samples.sample.portions.portion.2.analytes.analyte.rna.ratio_28s_18s:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 1.400 1.600 1.800 1.729 1.850 2.000 450

patient.samples.sample.portions.portion.2.analytes.analyte.rna.rinvalue:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 8.100 8.400 8.600 8.643 8.700 9.600 450

patient.samples.sample.portions.portion.2.analytes.analyte.spectrophotometer_met
 uv spec NA's
 11 446

patient.samples.sample.portions.portion.2.analytes.analyte.subportion_sequence:
 1 2 NA's
 8 1 448

patient.samples.sample.portions.portion.2.day_of_creation:
 1 15 26 30 NA's
 7 1 1 2 446

patient.samples.sample.portions.portion.2.is_ffpe:
 no NA's
 11 446

patient.samples.sample.portions.portion.2.month_of_creation:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 2.000 6.500 7.000 6.636 7.000 12.000 446

patient.samples.sample.portions.portion.2.portion_number:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 2.00 16.00 21.00 18.55 21.50 31.00 446

patient.samples.sample.portions.portion.2.portion_sequence:
 1 2 3 NA's
 1 6 2 448

patient.samples.sample.portions.portion.2.slides.slide.2.is_derived_from_ffpe:
 no NA's
 10 447

patient.samples.sample.portions.portion.2.slides.slide.2.percent_lymphocyte_infi
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 1.00 2.75 8.50 9.00 12.75 22.00 449

patient.samples.sample.portions.portion.2.slides.slide.2.percent_monocyte_infilt
 0 1 2 NA's
 3 3 2 449

patient.samples.sample.portions.portion.2.slides.slide.2.percent_necrosis:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 0.00 2.00 3.00 5.90 8.25 25.00 447

```
patient.samples.sample.portions.portion.2.slides.slide.2.percent_neutrophil_infi
0 1 2 6 NA's
2 3 2 1 449
```

```
patient.samples.sample.portions.portion.2.slides.slide.2.percent_normal_cells:
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
0.0 0.5 4.0 8.8 9.5 40.0 447
```

```
patient.samples.sample.portions.portion.2.slides.slide.2.percent_stromal_cells:
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
0.0 7.0 10.0 12.1 16.0 37.0 447
```

```
patient.samples.sample.portions.portion.2.slides.slide.2.percent_tumor_cells:
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
50.00 56.25 74.50 73.20 85.50 99.00 447
```

```
patient.samples.sample.portions.portion.2.slides.slide.2.percent_tumor_nuclei:
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
60.0 70.0 75.0 74.5 80.0 85.0 447
```

```
patient.samples.sample.portions.portion.2.slides.slide.2.section_location:
bottom top NA's
6 4 447
```

```
patient.samples.sample.portions.portion.2.slides.slide.is_derived_from_ffpe:
no NA's
11 446
```

```
patient.samples.sample.portions.portion.2.slides.slide.percent_lymphocyte_infilt
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
0.000 2.000 3.000 2.778 4.000 6.000 448
```

```
patient.samples.sample.portions.portion.2.slides.slide.percent_monocyte_infiltra
0 1 2 4 NA's
2 4 2 1 448
```

```
patient.samples.sample.portions.portion.2.slides.slide.percent_necrosis:
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
0.000 1.000 1.000 2.636 4.000 10.000 446
```

```
patient.samples.sample.portions.portion.2.slides.slide.percent_neutrophil_infilt
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
0.000 1.000 1.000 2.556 2.000 10.000 448
```

```
patient.samples.sample.portions.portion.2.slides.slide.percent_normal_cells:
0 10 15 50 NA's
8 1 1 1 446
```

patient.samples.sample.portions.portion.2.slides.slide.percent_stromal_cells:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 0.000 2.000 5.000 7.727 11.500 20.000 446

patient.samples.sample.portions.portion.2.slides.slide.percent_tumor_cells:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 40.00 78.50 90.00 82.82 95.00 100.00 446

patient.samples.sample.portions.portion.2.slides.slide.percent_tumor_nuclei:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 65.00 70.00 85.00 80.91 87.50 95.00 446

patient.samples.sample.portions.portion.2.slides.slide.section_location:
 bottom top NA's
 4 7 446

patient.samples.sample.portions.portion.2.weight:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 10.00 30.00 30.00 45.73 35.00 150.00 446

patient.samples.sample.portions.portion.2.year_of_creation:
 2009 2010 2011 NA's
 1 9 1 446

patient.samples.sample.portions.portion.3.analytes.analyte.a260_a280_ratio:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 1.780 1.875 1.900 1.911 1.950 2.050 446

patient.samples.sample.portions.portion.3.analytes.analyte.aliquots.aliquot.bios
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 99016765 99029312 99051418 99045442 99065457 99066342 446

patient.samples.sample.portions.portion.3.analytes.analyte.aliquots.aliquot.cent
 13 NA's
 11 446

patient.samples.sample.portions.portion.3.analytes.analyte.aliquots.aliquot.conc
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 0.130 0.145 0.150 0.150 0.155 0.170 446

patient.samples.sample.portions.portion.3.analytes.analyte.aliquots.aliquot.day_
 8 NA's
 11 446

patient.samples.sample.portions.portion.3.analytes.analyte.aliquots.aliquot.is_d
 no NA's
 11 446

patient.samples.sample.portions.portion.3.analytes.analyte.aliquots.aliquot.mont
 9 NA's

11 446

patient.samples.sample.portions.portion.3.analytes.analyte.aliquots.aliquot.plat

1 3 4 NA's
3 6 2 446

patient.samples.sample.portions.portion.3.analytes.analyte.aliquots.aliquot.plat
a076 NA's

11 446

patient.samples.sample.portions.portion.3.analytes.analyte.aliquots.aliquot.quant

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
2.6	2.9	3.0	3.0	3.1	3.4	446

patient.samples.sample.portions.portion.3.analytes.analyte.aliquots.aliquot.sour

23 NA's
11 446

patient.samples.sample.portions.portion.3.analytes.analyte.aliquots.aliquot.vol

20 NA's
11 446

patient.samples.sample.portions.portion.3.analytes.analyte.aliquots.aliquot.year
2010 NA's

11 446

patient.samples.sample.portions.portion.3.analytes.analyte.amount:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
46.43	58.63	65.20	67.14	76.75	86.16	446

patient.samples.sample.portions.portion.3.analytes.analyte.analyte_type:

rna NA's
11 446

patient.samples.sample.portions.portion.3.analytes.analyte.analyte_type_id:

r NA's
11 446

patient.samples.sample.portions.portion.3.analytes.analyte.concentration:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0.130	0.145	0.150	0.150	0.155	0.170	446

patient.samples.sample.portions.portion.3.analytes.analyte.gel_image_file:

<https://sharedoc.nchri.org/tcga-bcr/default.aspx>

11
NA's
446

patient.samples.sample.portions.portion.3.analytes.analyte.is_derived_from_ffpe:

```

no NA's
11 446

patient.samples.sample.portions.portion.3.analytes.analyte.protocols.protocol.ex
mirvana (allprep dna) rna NA's
11 446

patient.samples.sample.portions.portion.3.analytes.analyte.rna.ratio_28s_18s:
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.    NA's
1.400  1.600  1.800  1.764  1.900  2.200  446

patient.samples.sample.portions.portion.3.analytes.analyte.rna.rinvalue:
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.    NA's
7.000  7.550  7.900  8.191  8.850  9.800  446

patient.samples.sample.portions.portion.3.analytes.analyte.spectrophotometer_met
uv spec    NA's
11 446

patient.samples.sample.portions.portion.3.analytes.analyte.subportion_sequence:
  1  2  4 NA's
  9  1  1 446

patient.samples.sample.portions.portion.3.day_of_creation:
  1  27 NA's
10  1 446

patient.samples.sample.portions.portion.3.is_ffpe:
no NA's
11 446

patient.samples.sample.portions.portion.3.month_of_creation:
  7  9 NA's
10  1 446

patient.samples.sample.portions.portion.3.portion_number:
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.    NA's
11.0  21.0  21.0  25.0  26.5  54.0  446

patient.samples.sample.portions.portion.3.portion_sequence:
  1  2  3  5 NA's
  1  7  2  1 446

patient.samples.sample.portions.portion.3.slides.slide.2.is_derived_from_ffpe:
no NA's
11 446

```

patient.samples.sample.portions.portion.3.slides.slide.2.percent_lymphocyte_infi
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 2.000 4.000 8.000 8.091 11.500 18.000 446

patient.samples.sample.portions.portion.3.slides.slide.2.percent_monocyte_infilt
 0 1 2 5 NA's
 4 5 1 1 446

patient.samples.sample.portions.portion.3.slides.slide.2.percent_necrosis:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 1.000 1.500 2.000 2.364 3.000 5.000 446

patient.samples.sample.portions.portion.3.slides.slide.2.percent_neutrophil_infi
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 0.000 1.000 1.000 1.636 2.000 5.000 446

patient.samples.sample.portions.portion.3.slides.slide.2.percent_normal_cells:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 0.000 0.000 5.000 9.727 17.500 35.000 446

patient.samples.sample.portions.portion.3.slides.slide.2.percent_stromal_cells:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 0.000 4.500 8.000 8.636 10.500 28.000 446

patient.samples.sample.portions.portion.3.slides.slide.2.percent_tumor_cells:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 55.00 69.50 80.00 79.27 92.50 97.00 446

patient.samples.sample.portions.portion.3.slides.slide.2.percent_tumor_nuclei:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 65.00 70.00 75.00 75.45 80.00 90.00 446

patient.samples.sample.portions.portion.3.slides.slide.2.section_location:
 bottom top NA's
 7 4 446

patient.samples.sample.portions.portion.3.slides.slide.is_derived_from_ffpe:
 no NA's
 11 446

patient.samples.sample.portions.portion.3.slides.slide.percent_lymphocyte_infilt
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 2.000 5.000 8.000 8.364 11.500 15.000 446

patient.samples.sample.portions.portion.3.slides.slide.percent_monocyte_infiltra
 0 1 2 3 NA's
 2 6 1 2 446

patient.samples.sample.portions.portion.3.slides.slide.percent_necrosis:

1 2 3 10 NA's
4 3 2 2 446

patient.samples.sample.portions.portion.3.slides.slide.percent_neutrophil_infiltration:
0 1 2 5 NA's
2 3 5 1 446

patient.samples.sample.portions.portion.3.slides.slide.percent_normal_cells:
0 2 10 12 NA's
8 1 1 1 446

patient.samples.sample.portions.portion.3.slides.slide.percent_stromal_cells:
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
4.00 9.50 14.00 14.73 17.50 39.00 446

patient.samples.sample.portions.portion.3.slides.slide.percent_tumor_cells:
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
60.00 75.00 80.00 79.82 86.50 95.00 446

patient.samples.sample.portions.portion.3.slides.slide.percent_tumor_nuclei:
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
60.00 72.50 80.00 78.18 82.50 95.00 446

patient.samples.sample.portions.portion.3.slides.slide.section_location:
bottom top NA's
4 7 446

patient.samples.sample.portions.portion.3.weight:
20 30 NA's
3 8 446

patient.samples.sample.portions.portion.3.year_of_creation:
2010 NA's
11 446

patient.samples.sample.portions.portion.analytes.analyte.2.a260_a280_ratio:
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
1.400 1.800 1.800 1.791 1.800 2.210 3

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.2.ad
fppp NA's
10 447

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.2.ad
tcga NA's
10 447

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.2.bo
ffpe validation NA's
10 447

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.2.bi
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 9.885e+07 9.902e+07 1.012e+08 2.025e+08 1.456e+08 1.054e+09 413

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.2.ce
 7 13 NA's
 40 4 413

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.2.co
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 0.1300 0.1500 0.1500 0.1527 0.1600 0.1800 413

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.2.da
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 2.00 10.00 11.50 12.41 14.00 29.00 413

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.2.is
 no NA's
 44 413

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.2.mo
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 3.000 5.000 6.000 6.409 9.000 10.000 413

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.2.pl
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 1.000 2.000 3.000 3.386 5.000 7.000 413

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.2.qu
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 1.730 1.988 3.100 3.053 4.010 4.810 413

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.2.so
 22 23 NA's
 10 34 413

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.2.vo
 13 13.3 20 26.7 NA's
 12 8 4 20 413

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.2.ye
 2010 2011 2013 NA's
 12 16 16 413

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.3.bi
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 1.134e+08 1.678e+08 1.678e+08 4.045e+08 6.109e+08 1.054e+09 446

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.3.ce
 7 36 NA's
 6 5 446

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.3.co
 0.13 0.14 0.15 0.16 NA's
 1 2 5 3 446

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.3.da
 5 6 9 26 NA's
 1 3 2 5 446

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.3.is
 no NA's
 11 446

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.3.mo
 7 8 12 NA's
 4 5 2 446

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.3.pl
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 3.000 3.000 6.000 5.273 6.000 10.000 446

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.3.pl
 1873 a16w a466 a46x NA's
 3 1 2 5 446

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.3.qu
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 0.700 0.775 0.920 1.224 1.840 2.000 446

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.3.so
 22 23 NA's
 3 8 446

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.3.vo
 5 6.6 13 13.3 NA's
 5 2 1 3 446

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.3.ye
 2011 2014 2015 NA's
 4 2 5 446

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.4.bo
 tcga-aa-3685-01a-02r-a32z-07 NA's
 1 456

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.4.bo
 92962fd5-2a14-4e63-ae3f-97cdb83934ab NA's

1

456

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.4.bi
150757382 NA's
1 456

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.4.ce
7 NA's
1 456

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.4.co
0.15 NA's
1 456

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.4.da
2 NA's
1 456

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.4.is
no NA's
1 456

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.4.mo
10 NA's
1 456

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.4.pl
4 NA's
1 456

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.4.pl
a32z NA's
1 456

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.4.pl
c NA's
1 456

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.4.qu
1.95 NA's
1 456

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.4.so
23 NA's
1 456

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.4.vo
13 NA's
1 456

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.4.ye
2013 NA's

1 456

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.bios

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
9.649e+07	9.756e+07	1.070e+08	1.740e+08	1.134e+08	1.054e+09	35

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.cent

7	13	NA's
220	234	3

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.conc

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0.1200	0.1500	0.1500	0.1525	0.1600	0.1800	3

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.day_

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
3.00	14.00	20.00	17.76	26.00	31.00	3

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.is_d

no NA's	3
454	3

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.mont

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
2.000	4.000	5.000	5.132	6.000	11.000	3

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.plat

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1.000	2.000	3.000	3.333	4.000	12.000	3

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.quant

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
2.60	3.00	3.47	3.54	4.01	4.54	3

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.sour

22	23	NA's
349	105	3

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.vol

20	26.7	NA's
234	220	3

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.year

2010	2011	2013	2014	NA's
200	218	15	21	3

patient.samples.sample.portions.portion.analytes.analyte.2.amount:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
------	---------	--------	------	---------	------	------

```

1.50  71.51  188.32  238.63  356.55  903.30      3

patient.samples.sample.portions.portion.analytes.analyte.2.analyte_type:
rna NA's
454    3

patient.samples.sample.portions.portion.analytes.analyte.2.analyte_type_id:
h    r NA's
222 232    3

patient.samples.sample.portions.portion.analytes.analyte.2.concentration:
Min. 1st Qu.  Median    Mean 3rd Qu.    Max.    NA's
0.1200 0.1500  0.1500  0.1525  0.1600  0.1800    3

patient.samples.sample.portions.portion.analytes.analyte.2.gel_image_file:
https://sharedoc.nchri.org/tcga-bcr/default.aspx
                                         454
                                         NA's
                                         3

patient.samples.sample.portions.portion.analytes.analyte.2.is_derived_from_ffpe:
no NA's
454    3

patient.samples.sample.portions.portion.analytes.analyte.2.protocols.protocol.ex
allprep rna extraction mirvana (allprep dna) rna                      NA's
                                         220                               234                               3

patient.samples.sample.portions.portion.analytes.analyte.2.rna.ratio_28s_18s:
Min. 1st Qu.  Median    Mean 3rd Qu.    Max.    NA's
0.00    1.44    1.60    1.60    1.80    5.17    3

patient.samples.sample.portions.portion.analytes.analyte.2.rna.rinvalue:
Min. 1st Qu.  Median    Mean 3rd Qu.    Max.    NA's
7.000  8.200  8.800  8.691  9.200  10.000    3

patient.samples.sample.portions.portion.analytes.analyte.2.spectrophotometer_met
uv spec    NA's
454        3

patient.samples.sample.portions.portion.analytes.analyte.2.subportion_sequence:
1    2    3 NA's
219  10  3  225

patient.samples.sample.portions.portion.analytes.analyte.3.a260_a280_ratio:
Min. 1st Qu.  Median    Mean 3rd Qu.    Max.    NA's
0.00    1.70    1.80    1.61    1.80    2.23    191

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.2.ad
fppp NA's

```

4 453

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.2.ad
tcga NA's

4 453

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.2.bo
ffpe validation NA's

4 453

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.2.bi
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's

98848238 113422312 145632036 132424203 150757012 150757432 438

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.2.ce

7 13 NA's

17 2 438

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.2.co

Min. 1st Qu. Median Mean 3rd Qu. Max. NA's

0.1000 0.1500 0.1500 0.1547 0.1750 0.1800 438

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.2.da

2 5 14 NA's

7 6 6 438

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.2.is

no NA's

19 438

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.2.mo

3 7 10 NA's

4 8 7 438

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.2.pl

Min. 1st Qu. Median Mean 3rd Qu. Max. NA's

1.00 3.00 3.00 5.21 10.00 11.00 438

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.2.qu

Min. 1st Qu. Median Mean 3rd Qu. Max. NA's

1.690 1.950 2.080 2.191 2.340 3.000 438

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.2.so

22 23 NA's

2 17 438

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.2.vo

13 30 NA's

17 2 438

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.2.ye
2010 2011 2013 NA's

2 6 11 438

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.3.bo
tcga-a6-5656-01a-21r-a46x-36 tcga-a6-6650-01a-11r-a46x-36

1 1

tcga-a6-6780-01a-11r-a46x-36 NA's

1 454

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.3.bo
5bc6cb0a-7247-4dd1-a063-60b6d446e6dc 7d8c05ef-acec-4a12-9191-ea451feb6227

1 1

7f493927-0fdb-436d-94db-a422c6fbaadb NA's

1 454

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.3.bi
167814146 167814170 167814235 NA's

1 1 1 454

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.3.ce
36 NA's

3 454

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.3.co
0.15 NA's

3 454

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.3.da
26 NA's

3 454

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.3.is
no NA's

3 454

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.3.mo
8 NA's

3 454

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.3.pl
3 5 NA's

2 1 454

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.3.pl
a46x NA's

3 454

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.3.pl
a f h NA's

1 1 1 454

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.3.qu
0.75 NA's
3 454

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.3.so
23 NA's
3 454

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.3.vo
5 NA's
3 454

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.3.ye
2015 NA's
3 454

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.bios
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
9.649e+07 9.885e+07 1.070e+08 1.736e+08 1.134e+08 1.054e+09 35

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.cent
7 13 NA's
234 220 3

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.conc
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
0.0800 0.1000 0.1400 0.1283 0.1500 0.1800 3

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.day_
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
3.00 14.00 20.00 17.76 26.00 31.00 3

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.is_d
no NA's
454 3

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.mont
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
2.000 4.000 5.000 5.132 6.000 11.000 3

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.plat
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
1.000 2.000 3.000 3.396 4.000 12.000 3

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.quan
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's

```

1.060  2.210  3.000  2.874  3.000  4.810  3

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.source:
  22  23 NA's
349 105  3

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.volume:
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.    NA's
13.00 13.30  26.70  23.72  30.00  30.00    3

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.year:
2010 2011 2013 2014 NA's
200  218  15  21  3

patient.samples.sample.portions.portion.analytes.analyte.3.amount:
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.    NA's
  2.00  37.24  76.50  98.23 132.55 498.00    3

patient.samples.sample.portions.portion.analytes.analyte.3.analyte_type:
  rna total rna    NA's
  234      220      3

patient.samples.sample.portions.portion.analytes.analyte.3.analyte_type_id:
  r    t NA's
 234 220  3

patient.samples.sample.portions.portion.analytes.analyte.3.concentration:
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.    NA's
0.0800 0.1000 0.1400 0.1283 0.1500 0.1800    3

patient.samples.sample.portions.portion.analytes.analyte.3.gel_image_file:
https://sharedoc.nchri.org/tcga-bcr/default.aspx
                                     454
                                     NA's
                                     3

patient.samples.sample.portions.portion.analytes.analyte.3.is_derived_from_ffpe:
  no NA's
 454  3

patient.samples.sample.portions.portion.analytes.analyte.3.protocols.protocol.extract:
allprep rna extraction          total rna          NA's
                234                220                3

patient.samples.sample.portions.portion.analytes.analyte.3.rna.ratio_28s_18s:
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.    NA's
0.000  1.365  1.520  1.500  1.695  2.380  166

patient.samples.sample.portions.portion.analytes.analyte.3.rna.rinvalue:
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.    NA's

```

7.000 7.800 8.500 8.425 9.100 10.000 166

patient.samples.sample.portions.portion.analytes.analyte.3.spectrophotometer_method
uv spec NA's
454 3

patient.samples.sample.portions.portion.analytes.analyte.3.subportion_sequence:
1 2 3 NA's
219 10 3 225

patient.samples.sample.portions.portion.analytes.analyte.4.aliquots.aliquot.2.bi
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
97514919 97515086 97518832 97577524 97556727 98890464 335

patient.samples.sample.portions.portion.analytes.analyte.4.aliquots.aliquot.2.ce
9 10 NA's
137 17 303

patient.samples.sample.portions.portion.analytes.analyte.4.aliquots.aliquot.2.co
0.5 NA's
154 303

patient.samples.sample.portions.portion.analytes.analyte.4.aliquots.aliquot.2.da
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
5.0 7.0 12.0 10.8 12.0 29.0 303

patient.samples.sample.portions.portion.analytes.analyte.4.aliquots.aliquot.2.is
no NA's
154 303

patient.samples.sample.portions.portion.analytes.analyte.4.aliquots.aliquot.2.mo
4 5 6 NA's
87 63 4 303

patient.samples.sample.portions.portion.analytes.analyte.4.aliquots.aliquot.2.pl
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
1.000 2.000 3.000 3.208 4.000 11.000 303

patient.samples.sample.portions.portion.analytes.analyte.4.aliquots.aliquot.2.qu
40 NA's
154 303

patient.samples.sample.portions.portion.analytes.analyte.4.aliquots.aliquot.2.so
22 23 NA's
122 32 303

patient.samples.sample.portions.portion.analytes.analyte.4.aliquots.aliquot.2.vo
80 NA's

154 303

patient.samples.sample.portions.portion.analytes.analyte.4.aliquots.aliquot.2.ye
2010 NA's

154 303

patient.samples.sample.portions.portion.analytes.analyte.4.aliquots.aliquot.3.bo
tcga-aa-3522-01a-01w-1953-10 NA's

1

456

patient.samples.sample.portions.portion.analytes.analyte.4.aliquots.aliquot.3.bo
83437a9b-5fa0-4bec-8883-1ef424c8375b NA's

1

456

patient.samples.sample.portions.portion.analytes.analyte.4.aliquots.aliquot.3.bi
113628369 NA's

1

456

patient.samples.sample.portions.portion.analytes.analyte.4.aliquots.aliquot.3.ce
10 NA's

1 456

patient.samples.sample.portions.portion.analytes.analyte.4.aliquots.aliquot.3.co
0.5 NA's

1 456

patient.samples.sample.portions.portion.analytes.analyte.4.aliquots.aliquot.3.da
15 NA's

1 456

patient.samples.sample.portions.portion.analytes.analyte.4.aliquots.aliquot.3.is
no NA's

1 456

patient.samples.sample.portions.portion.analytes.analyte.4.aliquots.aliquot.3.mo
8 NA's

1 456

patient.samples.sample.portions.portion.analytes.analyte.4.aliquots.aliquot.3.pl
10 NA's

1 456

patient.samples.sample.portions.portion.analytes.analyte.4.aliquots.aliquot.3.pl
1953 NA's

1 456

patient.samples.sample.portions.portion.analytes.analyte.4.aliquots.aliquot.3.pl
b NA's

1 456

patient.samples.sample.portions.portion.analytes.analyte.4.aliquots.aliquot.3.qu
3.5 NA's

1 456

patient.samples.sample.portions.portion.analytes.analyte.4.aliquots.aliquot.3.so

22 NA's

1 456

patient.samples.sample.portions.portion.analytes.analyte.4.aliquots.aliquot.3.vo

7 NA's

1 456

patient.samples.sample.portions.portion.analytes.analyte.4.aliquots.aliquot.3.ye

2011 NA's

1 456

patient.samples.sample.portions.portion.analytes.analyte.4.aliquots.aliquot.bios

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
9.651e+07	9.756e+07	1.070e+08	2.798e+08	1.134e+08	1.054e+09	45

patient.samples.sample.portions.portion.analytes.analyte.4.aliquots.aliquot.cent

9 10 NA's

17 427 13

patient.samples.sample.portions.portion.analytes.analyte.4.aliquots.aliquot.conc

0.5 NA's

444 13

patient.samples.sample.portions.portion.analytes.analyte.4.aliquots.aliquot.day_

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
4.0	12.0	14.0	16.7	24.0	29.0	13

patient.samples.sample.portions.portion.analytes.analyte.4.aliquots.aliquot.is_d

no NA's

444 13

patient.samples.sample.portions.portion.analytes.analyte.4.aliquots.aliquot.mont

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
2.00	5.00	5.00	5.86	7.00	12.00	13

patient.samples.sample.portions.portion.analytes.analyte.4.aliquots.aliquot.plat

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1.00	2.00	3.00	3.23	4.00	11.00	13

patient.samples.sample.portions.portion.analytes.analyte.4.aliquots.aliquot.quant

40 NA's

444 13

patient.samples.sample.portions.portion.analytes.analyte.4.aliquots.aliquot.sour

22 23 NA's

```

349  95  13

patient.samples.sample.portions.portion.analytes.analyte.4.aliquots.aliquot.volum
  80 NA's
444  13

patient.samples.sample.portions.portion.analytes.analyte.4.aliquots.aliquot.year
2010 2011 2013 2014 NA's
  200 218  15  11  13

patient.samples.sample.portions.portion.analytes.analyte.4.amount:
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.   NA's
  0.0   79.0   153.0  126.7  168.0  203.0   108

patient.samples.sample.portions.portion.analytes.analyte.4.analyte_type:
repli-g (qiagen) dna                NA's
                444                  13

patient.samples.sample.portions.portion.analytes.analyte.4.analyte_type_id:
  w NA's
444  13

patient.samples.sample.portions.portion.analytes.analyte.4.concentration:
  0.5 NA's
349  108

patient.samples.sample.portions.portion.analytes.analyte.4.dna.normal_tumor_gene
yes NA's
444  13

patient.samples.sample.portions.portion.analytes.analyte.4.dna.pcr_amplification
no yes NA's
349  95  13

patient.samples.sample.portions.portion.analytes.analyte.4.gel_image_file:
https://sharedoc.nchri.org/tcga-bcr/default.aspx
                444
                NA's
                13

patient.samples.sample.portions.portion.analytes.analyte.4.is_derived_from_ffpe:
  no NA's
444  13

patient.samples.sample.portions.portion.analytes.analyte.4.protocols.protocol.ex
repli-g    NA's
  444      13

patient.samples.sample.portions.portion.analytes.analyte.4.spectrophotometer_met
picogreen  uv spec    NA's

```

122 227 108

patient.samples.sample.portions.portion.analytes.analyte.4.subportion_sequence:

1 2 3 NA's
212 7 3 235

patient.samples.sample.portions.portion.analytes.analyte.5.aliquots.aliquot.2.bi

97528983 97529452 97529473 97529500 NA's
 1 1 1 1 453

patient.samples.sample.portions.portion.analytes.analyte.5.aliquots.aliquot.2.ce

9 10 NA's
19 17 421

patient.samples.sample.portions.portion.analytes.analyte.5.aliquots.aliquot.2.co

0.5 NA's
36 421

patient.samples.sample.portions.portion.analytes.analyte.5.aliquots.aliquot.2.da

5 11 29 NA's
17 15 4 421

patient.samples.sample.portions.portion.analytes.analyte.5.aliquots.aliquot.2.is

no NA's
36 421

patient.samples.sample.portions.portion.analytes.analyte.5.aliquots.aliquot.2.mo

4 5 6 NA's
17 15 4 421

patient.samples.sample.portions.portion.analytes.analyte.5.aliquots.aliquot.2.pl

1 2 3 11 NA's
12 11 9 4 421

patient.samples.sample.portions.portion.analytes.analyte.5.aliquots.aliquot.2.pl

1074 a00i a001 NA's
4 17 15 421

patient.samples.sample.portions.portion.analytes.analyte.5.aliquots.aliquot.2.qu

40 NA's
36 421

patient.samples.sample.portions.portion.analytes.analyte.5.aliquots.aliquot.2.so

22 23 NA's
4 32 421

patient.samples.sample.portions.portion.analytes.analyte.5.aliquots.aliquot.2.vo

80 NA's
36 421

patient.samples.sample.portions.portion.analytes.analyte.5.aliquots.aliquot.2.ye
 2010 NA's
 36 421

patient.samples.sample.portions.portion.analytes.analyte.5.aliquots.aliquot.bios

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
97528967	97556322	97556348	97965961	97556384	100489888	393

patient.samples.sample.portions.portion.analytes.analyte.5.aliquots.aliquot.cent
 9 10 NA's
 17 79 361

patient.samples.sample.portions.portion.analytes.analyte.5.aliquots.aliquot.conc
 0.5 NA's
 96 361

patient.samples.sample.portions.portion.analytes.analyte.5.aliquots.aliquot.day_

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
6.00	11.00	12.00	13.75	12.00	29.00	361

patient.samples.sample.portions.portion.analytes.analyte.5.aliquots.aliquot.is_d
 no NA's
 96 361

patient.samples.sample.portions.portion.analytes.analyte.5.aliquots.aliquot.mont

3	5	6	10	NA's
17	63	4	12	361

patient.samples.sample.portions.portion.analytes.analyte.5.aliquots.aliquot.plat

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1.000	1.000	3.000	3.354	5.000	11.000	361

patient.samples.sample.portions.portion.analytes.analyte.5.aliquots.aliquot.quant
 40 NA's
 96 361

patient.samples.sample.portions.portion.analytes.analyte.5.aliquots.aliquot.sour

22	23	NA's
52	44	361

patient.samples.sample.portions.portion.analytes.analyte.5.aliquots.aliquot.vol
 80 NA's
 96 361

patient.samples.sample.portions.portion.analytes.analyte.5.aliquots.aliquot.year
 2010 NA's
 96 361


```
patient.samples.sample.portions.portion.analytes.analyte.5.amount:
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.   NA's
  41.00  61.50   89.00   82.35 102.25  117.00   405
```

```
patient.samples.sample.portions.portion.analytes.analyte.5.analyte_type:
repli-g x (qiagen) dna          NA's
                96                361
```

```
patient.samples.sample.portions.portion.analytes.analyte.5.analyte_type_id:
  x NA's
  96 361
```

```
patient.samples.sample.portions.portion.analytes.analyte.5.concentration:
  0.5 NA's
  52 405
```

```
patient.samples.sample.portions.portion.analytes.analyte.5.dna.normal_tumor_gene:
yes NA's
  96 361
```

```
patient.samples.sample.portions.portion.analytes.analyte.5.dna.pcr_amplification:
no yes NA's
  52 44 361
```

```
patient.samples.sample.portions.portion.analytes.analyte.5.gel_image_file:
https://sharedoc.nchri.org/tcga-bcr/default.aspx
                96
                NA's
                361
```

```
patient.samples.sample.portions.portion.analytes.analyte.5.is_derived_from_ffpe:
no NA's
  96 361
```

```
patient.samples.sample.portions.portion.analytes.analyte.5.protocols.protocol.ex:
repli-g x          NA's
                96                361
```

```
patient.samples.sample.portions.portion.analytes.analyte.5.spectrophotometer_method:
uv spec    NA's
  52      405
```

```
patient.samples.sample.portions.portion.analytes.analyte.5.subportion_sequence:
  1    3 NA's
 10   2 445
```

```
patient.samples.sample.portions.portion.analytes.analyte.a260_a280_ratio:
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.   NA's
  1.640  1.900   1.900   1.886  1.900   2.210   54
```

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.10.add
fppp NA's

1 456

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.10.add
tcga NA's

1 456

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.10.bcr
ffpe validation NA's

1 456

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.10.bio

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1.087e+08	1.050e+09	1.053e+09	9.041e+08	1.053e+09	1.053e+09	419

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.10.cen

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
5.00	10.00	24.00	18.59	24.00	24.00	418

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.10.con

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0.0500	0.1300	0.1300	0.1226	0.1500	0.1700	419

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.10.day

13	14	29	31	NA's
1	10	4	23	419

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.10.is_

no NA's
38 419

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.10.mon

2	3	4	8	NA's
9	24	1	4	419

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.10.pla

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1.000	1.000	2.000	3.132	4.000	11.000	419

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.10.qua

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0.260	0.870	1.070	1.419	2.000	3.470	419

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.10.sou

22	23	NA's
37	2	418

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.10.vol
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 2.00 6.67 6.67 15.60 20.00 40.00 419

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.10.yea
 2011 2013 NA's
 37 1 419

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.11.add
 fppp NA's
 2 455

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.11.add
 tcga NA's
 2 455

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.11.bcr
 ffpe validation NA's
 2 455

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.11.bio
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 1.322e+08 1.053e+09 1.053e+09 9.988e+08 1.053e+09 1.053e+09 423

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.11.cen
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 1.00 23.00 23.00 21.18 23.00 24.00 423

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.11.con
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 0.0500 0.1300 0.1450 0.1403 0.1575 0.1700 423

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.11.day
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 13.00 22.00 22.00 23.29 22.00 31.00 423

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.11.is_
 no NA's
 34 423

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.11.mon
 2 3 NA's
 1 33 423

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.11.pla
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 1.0 1.0 1.5 2.5 2.0 11.0 423

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.11.qua
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 0.870 0.970 1.000 1.206 1.365 2.000 446

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.11.sou
 22 23 NA's
 9 25 423

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.11.vol
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 6.67 6.67 6.67 11.52 10.00 40.00 446

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.11.yea
 2011 2013 NA's
 32 2 423

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.12.add
 fppp NA's
 2 455

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.12.add
 tcga NA's
 2 455

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.12.bcr
 ffpe validation NA's
 2 455

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.12.bio
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 1.070e+08 1.070e+08 1.053e+09 7.001e+08 1.053e+09 1.053e+09 425

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.12.cen
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 1.00 2.00 23.00 13.33 23.00 23.00 424

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.12.con
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 0.0100 0.1300 0.1500 0.1394 0.1600 0.1700 424

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.12.day
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 13.00 22.00 28.00 25.79 29.00 30.00 424

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.12.is_
 no NA's
 33 424

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.12.mon

2 3 6 8 NA's
1 22 9 1 424

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.12.pla
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
1.000 1.000 1.000 1.697 2.000 5.000 424

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.12.qua
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
0.940 1.730 1.730 1.778 2.000 2.600 441

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.12.sou
22 23 NA's
14 19 424

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.12.vol
6.7 13.3 20 40 NA's
2 12 1 1 441

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.12.yea
2011 2013 NA's
31 2 424

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.13.add
fppp NA's
2 455

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.13.add
tcga NA's
2 455

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.13.bcr
ffpe validation NA's
2 455

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.13.bio
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
1.136e+08 1.136e+08 1.136e+08 1.551e+08 1.136e+08 1.053e+09 433

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.13.cen
5 8 10 24 NA's
1 1 21 1 433

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.13.con
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
0.0700 0.1300 0.1300 0.1358 0.1500 0.1700 433

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.13.day

3 13 15 31 NA's
1 2 20 1 433

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.13.is_
no NA's
24 433

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.13.mon
3 8 NA's
3 21 433

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.13.pla
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
1.000 1.000 2.000 2.208 3.000 9.000 433

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.13.qua
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
0.26 2.60 2.60 2.53 3.00 3.40 433

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.13.sou
22 23 NA's
21 3 433

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.13.vol
2 6.7 20 NA's
1 1 22 433

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.13.yea
2011 2013 2015 NA's
21 2 1 433

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.14.add
fppp NA's
3 454

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.14.add
tcga NA's
3 454

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.14.bcr
ffpe validation NA's
3 454

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.14.bio
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
1.322e+08 1.322e+08 1.322e+08 3.190e+08 1.456e+08 1.053e+09 452

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.14.cen

```
1      8      10      23 NA's
1      1       2       1  452

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.14.com
0.07 0.08 0.13 0.15 NA's
1      2       1       1  452

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.14.day
3     13     14     22 NA's
1      2       1       1  452

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.14.is_
no NA's
5     452

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.14.mon
3      8 NA's
4      1  452

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.14.pla
1      3      5      9 NA's
2      1      1      1  452

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.14.pla
1618 a270 a274 a46w NA's
1      2      1      1  452

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.14.pla
a      b      f      h NA's
1      2      1      1  452

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.14.qua
1.01  1.4  1.6 NA's
1      1      2  453

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.14.sou
23 NA's
5     452

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.14.vol
6.7   20 NA's
1      3  453

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.14.yea
2011 2013 2015 NA's
1      3      1  452

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.15.add
fppp NA's
2     455

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.15.add
```

tcga NA's
2 455

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.15.bcr
tcga-a6-2677-01a-01d-a274-01 tcga-a6-2684-01a-01d-a27a-05
1 1
tcga-aa-3518-01a-02d-1953-10 NA's
1 454

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.15.bcr
5edb7fd3-9802-4c1e-9956-b5fcfb900f28 8c9ff2b3-a02f-4ec1-b8c8-863e17447a23
1 1
a2528ea7-21ad-492b-b661-7dbfda61253e NA's
1 454

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.15.bcr
ffpe validation NA's
2 455

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.15.bio
113628361 132159975 145632063 NA's
1 1 1 454

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.15.cen
1 5 10 NA's
1 1 1 454

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.15.com
0.13 0.15 NA's
1 2 454

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.15.day
13 14 15 NA's
1 1 1 454

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.15.is_
no NA's
3 454

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.15.mon
3 8 NA's
2 1 454

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.15.pla
1 2 NA's
2 1 454

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.15.pla
1953 a274 a27a NA's
1 1 1 454

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.15.pla


```

a      b NA's
1      2 454

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.15.qua
1.01  2.6 NA's
      2    1 454

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.15.sou
      22  23 NA's
      1    2 454

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.15.vol
6.7   20 NA's
      2    1 454

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.15.yea
2011 2013 NA's
      1    2 454

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.16.add
fppp NA's
      1 456

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.16.add
tcga NA's
      1 456

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.16.bcr
tcga-a6-2677-01a-01d-a27a-05 tcga-a6-2684-01a-01d-a46w-08
                                1                                1
                                NA's
                                455

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.16.bcr
5894c3e4-d97b-4ec5-8cb1-c233060e93a1 ec4ec0ce-81cb-4338-9ef0-47f42a969300
                                1                                1
                                NA's
                                455

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.16.bcr
ffpe validation                                NA's
                                1                                456

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.16.bio
132159779 132179227                                NA's
                                1                                1                                455

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.16.cen
      5    8 NA's
      1    1 455

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.16.con

```

0.08 0.15 NA's
1 1 455

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.16.day
3 13 NA's
1 1 455

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.16.is_
no NA's
2 455

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.16.mon
3 8 NA's
1 1 455

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.16.pla
1 5 NA's
1 1 455

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.16.pla
a27a a46w NA's
1 1 455

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.16.pla
a b NA's
1 1 455

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.16.qua
1.01 1.6 NA's
1 1 455

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.16.sou
23 NA's
2 455

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.16.vol
6.7 20 NA's
1 1 455

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.16.yea
2013 2015 NA's
1 1 455

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.17.bcr
tcga-a6-2677-01a-01d-a46w-08 NA's
1 456

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.17.bcr
a07309f8-b9e9-41b6-ab8e-ad6d4f45344c NA's
1 456

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.17.bio

132179229 NA's
1 456

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.17.cen
8 NA's
1 456

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.17.com
0.08 NA's
1 456

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.17.day
3 NA's
1 456

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.17.is_
no NA's
1 456

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.17.mon
8 NA's
1 456

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.17.pla
4 NA's
1 456

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.17.pla
a46w NA's
1 456

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.17.pla
g NA's
1 456

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.17.qua
1.6 NA's
1 456

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.17.sou
23 NA's
1 456

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.17.vol
20 NA's
1 456

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.17.yea
2015 NA's
1 456

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.2.bios
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 8.949e+07 9.885e+07 1.087e+08 2.766e+08 1.322e+08 1.054e+09 34

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.2.cent
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 1.000 1.000 1.000 3.015 5.000 24.000 2

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.2.conc
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 0.0800 0.1400 0.1500 0.1521 0.1500 2.1000 2

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.2.day_
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 2.00 14.00 22.00 18.23 26.00 31.00 2

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.2.is_d
 no NA's
 455 2

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.2.mont
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 2.000 4.000 4.000 5.084 6.000 11.000 2

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.2.plat
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 1.00 1.00 3.00 2.91 4.00 10.00 2

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.2.quant
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 0.87 1.00 1.07 2.05 3.74 27.30 2

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.2.sour
 22 23 NA's
 349 106 2

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.2.vol
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 6.60 6.67 6.67 13.62 26.70 40.00 2

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.2.year
 2010 2011 2013 2014 NA's
 200 218 16 21 2

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.3.bios
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 9.649e+07 9.885e+07 1.087e+08 2.779e+08 1.456e+08 1.054e+09 36

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.3.cent
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 1.000 10.000 10.000 8.733 10.000 23.000 3

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.3.conc
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 0.01000 0.05000 0.08000 0.09617 0.15000 0.18000 3

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.3.day_
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 1.00 17.00 22.00 19.69 27.00 30.00 3

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.3.is_d
 no NA's
 454 3

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.3.mont
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 2.000 4.000 5.000 5.295 6.000 11.000 3

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.3.plat
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 1.000 1.000 3.000 2.729 4.000 6.000 3

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.3.quant
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 0.600 1.010 2.340 2.219 3.000 4.540 4

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.3.sour
 22 23 NA's
 348 106 3

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.3.vol
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 6.67 6.70 40.00 32.46 60.00 60.00 4

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.3.year
 2010 2011 2013 2014 NA's
 199 219 15 21 3

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.4.bios
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 8.949e+07 9.885e+07 1.087e+08 2.783e+08 1.457e+08 1.054e+09 38

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.4.cent
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 1.000 5.000 9.000 9.718 10.000 23.000 6

```

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.4.conc
  Min. 1st Qu.  Median      Mean 3rd Qu.    Max.   NA's
0.050  0.140   0.150   0.134  0.150   0.180     6

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.4.day_
  Min. 1st Qu.  Median      Mean 3rd Qu.    Max.   NA's
 3.00  11.00   22.00   18.94  27.00   31.00     6

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.4.is_d
no NA's
451    6

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.4.mont
  Min. 1st Qu.  Median      Mean 3rd Qu.    Max.   NA's
2.000  4.000   5.000   5.415  6.000  11.000     6

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.4.plat
  Min. 1st Qu.  Median      Mean 3rd Qu.    Max.   NA's
1.000  1.000   3.000   2.736  4.000   6.000     6

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.4.quan
  Min. 1st Qu.  Median      Mean 3rd Qu.    Max.   NA's
0.670  1.010   1.140   2.009  3.740   4.540     81

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.4.sour
 22  23 NA's
273 178    6

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.4.vol
  Min. 1st Qu.  Median      Mean 3rd Qu.    Max.   NA's
 6.60  6.70   13.30   15.55  26.70   40.00     81

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.4.year
2010 2011 2013 2014 NA's
199  218   15   19    6

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.5.bios
  Min. 1st Qu.  Median      Mean 3rd Qu.    Max.   NA's
9.751e+07 1.070e+08 1.070e+08 4.712e+08 1.053e+09 1.054e+09     53

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.5.cent
  Min. 1st Qu.  Median      Mean 3rd Qu.    Max.   NA's
 1.00  5.00   10.00   13.98  23.00   24.00     41

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.5.conc
  Min. 1st Qu.  Median      Mean 3rd Qu.    Max.   NA's
0.0100 0.1400  0.1500  0.1392  0.1500  0.1700     41

```

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.5.day_
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 2.00 14.00 28.00 21.78 29.00 31.00 41

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.5.is_d
 no NA's
 416 41

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.5.mont
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 2.000 3.000 6.000 5.692 7.000 11.000 41

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.5.plat
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 1.00 2.00 3.00 3.18 4.00 10.00 41

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.5.quant
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 0.260 1.000 1.860 1.763 2.000 30.000 161

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.5.sour
 22 23 NA's
 227 189 41

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.5.volun
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 2.00 6.67 13.30 15.12 13.30 600.00 161

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.5.year
 2010 2011 NA's
 83 333 41

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.6.addi
 fppp NA's
 5 452

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.6.addi
 tcga NA's
 5 452

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.6.bcr_
 ffpe validation NA's
 5 452

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.6.bios
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 9.648e+07 1.005e+08 1.050e+09 6.963e+08 1.053e+09 1.053e+09 236

```

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.6.cent
  Min. 1st Qu.  Median      Mean 3rd Qu.    Max.    NA's
  1.00   9.00   23.00   16.93  23.00   24.00    236

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.6.conc
  Min. 1st Qu.  Median      Mean 3rd Qu.    Max.    NA's
  0.050  0.140  0.150  0.143  0.150  0.180    236

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.6.day_
  Min. 1st Qu.  Median      Mean 3rd Qu.    Max.    NA's
  5.00  21.00  22.00  22.26  29.00  31.00    236

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.6.is_d
no NA's
221 236

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.6.mont
  Min. 1st Qu.  Median      Mean 3rd Qu.    Max.    NA's
  1.00   3.00   3.00   3.38   3.00   9.00    236

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.6.plat
  Min. 1st Qu.  Median      Mean 3rd Qu.    Max.    NA's
  1.000  2.000  4.000  3.909  5.000 10.000    236

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.6.quan
  Min. 1st Qu.  Median      Mean 3rd Qu.    Max.    NA's
  0.280  1.000  1.070  1.839  2.000 17.330    325

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.6.sour
22 23 NA's
71 150 236

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.6.volun
  Min. 1st Qu.  Median      Mean 3rd Qu.    Max.    NA's
  2.00   6.67   6.67  14.75  20.00 133.30    325

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.6.year
  Min. 1st Qu.  Median      Mean 3rd Qu.    Max.    NA's
  2010  2011  2011  2011  2011  2015    236

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.7.addi
fppp NA's
5 452

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.7.addi
tcga NA's
5 452

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patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.7.bcr_
ffpe validation          NA's
           5              452

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.7.bios
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.    NA's
1.005e+08 1.134e+08 1.050e+09 6.440e+08 1.053e+09 1.053e+09    268

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.7.cent
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.    NA's
  1.00    2.00   10.00   10.85  23.00   24.00   259

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.7.conc
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.    NA's
 0.0100 0.1300 0.1400 0.1308 0.1500 0.1700    265

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.7.day_
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.    NA's
  2.00   22.00   28.00   23.77  28.00   31.00   265

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.7.is_d
  no NA's
 192  265

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.7.mont
  2   3   6   8 NA's
 36  89  25  42  265

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.7.plat
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.    NA's
 1.000   3.000   4.000   3.984   5.000   9.000   265

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.7.quant
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.    NA's
 0.870   1.860   2.000   3.307   4.270  27.000   313

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.7.sour
  22  23 NA's
 101  97  259

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.7.volu
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.    NA's
  6.67  13.30  13.30  34.07  40.00  540.00   313

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.7.year
2010 2011 2013 NA's
   1  186   5  265

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.8.addi

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fppp NA's
5 452

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.8.addi
tcga NA's
5 452

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.8.bcr_
ffpe validation NA's
5 452

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.8.bios
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
1.087e+08 1.136e+08 1.136e+08 4.323e+08 1.050e+09 1.053e+09 333

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.8.cent
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
2.00 10.00 10.00 11.97 10.00 24.00 314

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.8.conc
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
0.0500 0.0800 0.1400 0.1243 0.1500 0.1700 333

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.8.day_
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
5.00 14.00 24.00 21.87 29.00 31.00 333

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.8.is_d
no NA's
124 333

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.8.mont
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
1.000 2.000 8.000 5.677 8.000 8.000 333

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.8.plat
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
1.000 2.000 4.000 4.137 6.000 11.000 333

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.8.quan
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
0.870 2.000 2.800 2.791 3.000 6.400 336

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.8.sour
22 23 NA's
109 34 314

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.8.vol

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
6.67	20.00	20.00	26.39	40.00	80.00	336

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.8.year
 2011 2012 2013 2015 NA's
 116 2 5 1 333

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1.087e+08	1.050e+09	1.050e+09	8.371e+08	1.050e+09	1.053e+09	409

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1.00	9.00	9.00	10.98	10.00	24.00	409

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0.0500	0.0500	0.0500	0.0775	0.1300	0.1600	409

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
3	14	14	15	14	29	409

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.9.is_d
 no NA's
 48 409

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
2.000	2.000	2.000	3.271	3.000	8.000	409

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1.000	1.000	4.000	3.812	5.250	10.000	409

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0.870	2.000	2.000	2.051	2.000	6.000	414

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.9.sour
 22 23 NA's
 38 10 409

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
6.67	20	40	NA's			
3	8	32	414			

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.9.year

2011 2012 2015 NA's
 43 1 4 409

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.biospe
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 9.650e+07 9.885e+07 1.087e+08 3.054e+08 1.136e+08 1.054e+09 103

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.center
 1 2 7 23
 148 231 1 77

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.concen
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 0.1300 0.1400 0.1500 0.1531 0.1500 2.1000 77

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.day_of
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 3.00 14.00 22.00 17.93 26.00 28.00 77

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.is_der
 no NA's
 380 77

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.month
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 2.00 4.00 5.00 5.15 6.00 11.00 77

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.plate
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 1.000 2.000 3.000 2.861 4.000 6.000 77

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.quantit
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 0.870 1.010 1.500 1.636 2.000 56.070 78

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.source
 22 23
 350 107

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.volume
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 6.6 6.7 10.0 10.1 13.3 26.7 78

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.year_o
 2010 2011 2014 NA's
 185 193 2 77

patient.samples.sample.portions.portion.analytes.analyte.amount:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.
3.86	127.70	302.70	321.19	458.59	1409.00

patient.samples.sample.portions.portion.analytes.analyte.analyte_type:
 dna rna
 456 1

patient.samples.sample.portions.portion.analytes.analyte.analyte_type_id:
 d r
 456 1

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.
0.0900	0.1400	0.1500	0.1524	0.1500	2.1000

patient.samples.sample.portions.portion.analytes.analyte.dna.normal_tumor_genoty
 yes NA's
 456 1

patient.samples.sample.portions.portion.analytes.analyte.dna.pcr_amplification_s
 no yes NA's
 233 223 1

patient.samples.sample.portions.portion.analytes.analyte.gel_image_file:
<https://sharedoc.nchri.org/tcga-bcr/default.aspx>
 457

patient.samples.sample.portions.portion.analytes.analyte.is_derived_from_ffpe:
 no
 457

patient.samples.sample.portions.portion.analytes.analyte.protocols.protocol.expe
 adna preparation type allprep rna extraction
 456 1

patient.samples.sample.portions.portion.analytes.analyte.rna.ratio_28s_18s:
 1.2 NA's
 1 456

patient.samples.sample.portions.portion.analytes.analyte.rna.rinvalue:
 7.6 NA's
 1 456

patient.samples.sample.portions.portion.analytes.analyte.spectrophotometer_metho
 picogreen uv spec
 54 403

patient.samples.sample.portions.portion.analytes.analyte.subportion_sequence:
 1 2 3 NA's
 219 10 3 225

patient.samples.sample.portions.portion.day_of_creation:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.
1.00	4.00	15.00	14.18	23.00	31.00

patient.samples.sample.portions.portion.is_ffpe:

no
457

patient.samples.sample.portions.portion.lce:

lce NA's
8 449

patient.samples.sample.portions.portion.month_of_creation:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.
1.000	3.000	4.000	4.538	6.000	12.000

patient.samples.sample.portions.portion.portion_number:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.
1.000	1.000	11.000	7.571	11.000	72.000

patient.samples.sample.portions.portion.portion_sequence:

1	2	3	4	NA's
69	22	5	2	359

patient.samples.sample.portions.portion.slides.slide.2.is_derived_from_ffpe:

no NA's
362 95

patient.samples.sample.portions.portion.slides.slide.2.percent_lymphocyte_infiltration:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0.000	3.000	5.000	7.525	10.000	40.000	335

patient.samples.sample.portions.portion.slides.slide.2.percent_monocyte_infiltration:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0.000	0.000	1.000	1.408	2.000	10.000	354

patient.samples.sample.portions.portion.slides.slide.2.percent_necrosis:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0.000	0.000	2.000	3.828	5.000	20.000	96

patient.samples.sample.portions.portion.slides.slide.2.percent_neutrophil_infiltration:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0.000	1.000	2.000	4.009	5.000	50.000	349

patient.samples.sample.portions.portion.slides.slide.2.percent_normal_cells:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
------	---------	--------	------	---------	------	------

```

0.000  0.000  0.000  5.493  8.000  60.000  98

patient.samples.sample.portions.portion.slides.slide.2.percent_stromal_cells:
  Min. 1st Qu.  Median    Mean 3rd Qu.  Max.  NA's
  0.00   7.00   10.00   13.97  20.00   70.00  102

patient.samples.sample.portions.portion.slides.slide.2.percent_tumor_cells:
  Min. 1st Qu.  Median    Mean 3rd Qu.  Max.  NA's
  25.00  70.00  80.00   77.06  87.00  100.00  100

patient.samples.sample.portions.portion.slides.slide.2.percent_tumor_nuclei:
  Min. 1st Qu.  Median    Mean 3rd Qu.  Max.  NA's
  0.00  75.00  80.00   77.96  80.00   96.00   96

patient.samples.sample.portions.portion.slides.slide.2.section_location:
bottom  top  NA's
  55   307   95

patient.samples.sample.portions.portion.slides.slide.is_derived_from_ffpe:
no
457

patient.samples.sample.portions.portion.slides.slide.percent_lymphocyte_infiltration:
  Min. 1st Qu.  Median    Mean 3rd Qu.  Max.  NA's
  0.000  2.750  5.000  7.378  10.000  40.000  261

patient.samples.sample.portions.portion.slides.slide.percent_monocyte_infiltration:
  Min. 1st Qu.  Median    Mean 3rd Qu.  Max.  NA's
  0.000  0.000  1.000  1.322  2.000  8.000  280

patient.samples.sample.portions.portion.slides.slide.percent_necrosis:
  Min. 1st Qu.  Median    Mean 3rd Qu.  Max.
  0.000  0.000  3.000  4.615  8.000  25.000

patient.samples.sample.portions.portion.slides.slide.percent_neutrophil_infiltration:
  Min. 1st Qu.  Median    Mean 3rd Qu.  Max.  NA's
  0.000  1.000  2.000  3.368  4.000  50.000  275

patient.samples.sample.portions.portion.slides.slide.percent_normal_cells:
  Min. 1st Qu.  Median    Mean 3rd Qu.  Max.  NA's
  0.000  0.000  0.000  6.398  10.000  100.000  2

patient.samples.sample.portions.portion.slides.slide.percent_stromal_cells:
  Min. 1st Qu.  Median    Mean 3rd Qu.  Max.  NA's
  0.00   6.00  12.00  15.05  20.00  76.00   4

patient.samples.sample.portions.portion.slides.slide.percent_tumor_cells:
  Min. 1st Qu.  Median    Mean 3rd Qu.  Max.  NA's
  0.00  65.00  75.00  74.21  85.00  100.00  5

```

```
patient.samples.sample.portions.portion.slides.slide.percent_tumor_nuclei:
  Min. 1st Qu.  Median    Mean 3rd Qu.  Max.
  0.00  70.00  80.00  75.75  80.00  96.00
```

```
patient.samples.sample.portions.portion.slides.slide.section_location:
bottom    top
  307     150
```

```
patient.samples.sample.portions.portion.weight:
  Min. 1st Qu.  Median    Mean 3rd Qu.  Max.  NA's
    9     30     40     72    114    183     6
```

```
patient.samples.sample.portions.portion.year_of_creation:
  Min. 1st Qu.  Median    Mean 3rd Qu.  Max.
 2009  2010    2011    2011  2011    2014
```

```
patient.samples.sample.portions.shipment_portion.2.center_id:
  20  27 NA's
  13  41 403
```

```
patient.samples.sample.portions.shipment_portion.2.is_ffpe:
no NA's
  54 403
```

```
patient.samples.sample.portions.shipment_portion.2.plate_id:
2150 a17m a20o NA's
  21  13  20 403
```

```
patient.samples.sample.portions.shipment_portion.2.portion_number:
  Min. 1st Qu.  Median    Mean 3rd Qu.  Max.  NA's
 12.00  22.00  22.00  25.52  31.00  41.00  403
```

```
patient.samples.sample.portions.shipment_portion.2.portion_sequence:
  1  2  3  4 NA's
  3  6 21  3 424
```

```
patient.samples.sample.portions.shipment_portion.2.shipment_portion_day_of_shipment:
  17  25 NA's
  13  41 403
```

```
patient.samples.sample.portions.shipment_portion.2.shipment_portion_month_of_shipment:
  1  8 NA's
  41 13 403
```

```
patient.samples.sample.portions.shipment_portion.2.shipment_portion_year_of_shipment:
2011 2012 NA's
  13  41 403
```

```
patient.samples.sample.portions.shipment_portion.3.bcr_shipment_portion_uuid:
```



```

b6abe5cf-db70-41ff-a1e1-9b0663a1d9cd e6208375-5da0-4a01-9886-837378cf267b
                                1                                1
f821666b-504c-4946-b5fc-c5c9914b37bd fd9fcd4-e3bb-4f85-8ae2-aff9e77cbb68
                                1                                1
                                NA's
                                453

```

```

patient.samples.sample.portions.shipment_portion.3.center_id:
  27 NA's
  4 453

```

```

patient.samples.sample.portions.shipment_portion.3.is_ffpe:
  no NA's
  4 453

```

```

patient.samples.sample.portions.shipment_portion.3.plate_id:
  a20o NA's
  4 453

```

```

patient.samples.sample.portions.shipment_portion.3.portion_number:
  31 41 NA's
  2 2 453

```

```

patient.samples.sample.portions.shipment_portion.3.portion_sequence:
  3 4 NA's
  2 2 453

```

```

patient.samples.sample.portions.shipment_portion.3.shipment_portion_bcr_aliquot_
tcga-aa-a00a-01a-41-a20o-27 tcga-aa-a00k-01a-31-a20o-27
                                1                                1
tcga-aa-a00n-01a-41-a20o-27 tcga-aa-a00r-01a-31-a20o-27
                                1                                1
                                NA's
                                453

```

```

patient.samples.sample.portions.shipment_portion.3.shipment_portion_day_of_shipm
  25 NA's
  4 453

```

```

patient.samples.sample.portions.shipment_portion.3.shipment_portion_month_of_shi
  1 NA's
  4 453

```

```

patient.samples.sample.portions.shipment_portion.3.shipment_portion_year_of_ship
  2012 NA's
  4 453

```

```

patient.samples.sample.portions.shipment_portion.center_id:
  20 27 NA's
  345 19 93

```

```
patient.samples.sample.portions.shipment_portion.is_ffpe:
  no NA's
  364  93
```

```
patient.samples.sample.portions.shipment_portion.portion_number:
  Min. 1st Qu.  Median    Mean 3rd Qu.  Max.  NA's
  11.00  13.00  21.00  19.04  21.00  81.00   93
```

```
patient.samples.sample.portions.shipment_portion.portion_sequence:
  Min. 1st Qu.  Median    Mean 3rd Qu.  Max.  NA's
  1.000  2.000  2.000  2.048  2.000  5.000  374
```

```
patient.samples.sample.portions.shipment_portion.shipment_portion_day_of_shipment:
  16  17  25  30 NA's
  269  49  19  27  93
```

```
patient.samples.sample.portions.shipment_portion.shipment_portion_month_of_shipment:
  1  7  8 NA's
  19  27  318  93
```

```
patient.samples.sample.portions.shipment_portion.shipment_portion_year_of_shipment:
  2011 2012 2014 NA's
  318  19  27  93
```

```
patient.samples.sample.sample_type:
primary tumor
  457
```

```
patient.samples.sample.sample_type_id:
  1
  457
```

```
patient.samples.sample.shortest_dimension:
  Min. 1st Qu.  Median    Mean 3rd Qu.  Max.  NA's
  0.1000 0.3000  0.4000  0.4211  0.5000  1.0000  107
```

```
patient.samples.sample.vial_number:
  a  b
  454  3
```

```
sequenced:
  0  1 NA's
  47  154  256
```

```
microRNA:
  0  1 NA's
  15  186  256
```

```
SNP6:
  0  1 NA's
```

16 185 256

WGS:

0 1 NA's
139 62 256

RNAseq:

0 1 NA's
53 148 256

Agilent.expression:

0 1 NA's
50 151 256

methylation:

0 1 NA's
35 166 256

normal_meth:

0 1 NA's
164 37 256

complete:

0 1 NA's
68 133 256

MSI_status:

MSI-H MSI-L MSS NA's
37 40 124 256

methylation_subtype:

CIMP.H	CIMP.L	Cluster3	Cluster4	NA's
33	40	47	46	291

MLH1_silencing:

0 1 NA's
138 28 291

expression_subtype:

CIN	Invasive	MSI/CIMP	NA's
56	37	58	306

hypermuted:

0 1 NA's
122 32 303

silent_mutrate:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0.2140	0.6745	0.9585	3.6433	1.7100	67.5000	303

nonsilent_mutrate:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
------	---------	--------	------	---------	------	------

0.860 2.095 3.000 11.555 4.930 262.000 303

cancer:

Colon NA's
201 256

tumor_site:

1 - right colon	2 - transverse colon	3 - left colon
92	18	85
4 - rectum	NA's	
1	261	

age_at_initial_pathologic_diagnosis:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
34.00	63.00	71.00	69.73	80.00	90.00	256

days_to_death.y:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0.00	37.75	137.00	295.86	478.25	1188.00	435

days_to_last_followup.y:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0.0	0.0	30.0	247.6	437.0	2180.0	256

days_to_last_known_alive.y:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0.0	0.0	31.0	253.6	437.0	2180.0	256

distant_metastasis_pathologic_spread:

M0	M1	M1a	NA's
165	30	2	260

gender.y:

FEMALE	MALE	NA's
99	102	256

histological_type.y:

Colon Adenocarcinoma	Colon Mucinous Adenocarcinoma
171	27
NA's	
259	

history_of_colon_polyps:

NO	YES	NA's
92	97	268

icd_o_3_histology:

8010/3	8140/11	8140/3	8480/3	NA's
1	1	174	24	257

lymphatic_invasion_present:

NO	YES	NA's
83	100	274

lymphnodes_examined:

NO	YES	NA's
2	198	257

number_of_first_degree_relatives_with_cancer_diagnosis:

0	1	2	3	NA's
168	22	4	2	261

number_of_lymphnodes_examined:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0.00	16.00	22.00	23.21	29.00	55.00	259

number_of_lymphnodes_positive_by_he:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0.00	0.00	0.00	2.03	2.00	32.00	260

person_neoplasm_cancer_status:

TUMOR FREE	WITH TUMOR	NA's
30	170	257

preoperative_pretreatment_cea_level:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0.20	1.51	2.80	50.51	8.76	2614.00	328

prior_diagnosis:

NO	YES	NA's
162	39	256

residual_tumor.y:

R0	R1	R2	RX	NA's
167	1	23	2	264

synchronous_colon_cancer_present:

NO	YES	NA's
179	17	261

vascular_invasion_present:

NO	YES	NA's
124	44	289

vital_status.y:

DECEASED	LIVING	NA's
22	179	256

curatedTCGAData *Create a MultiAssayExperiment from specific assays and cohorts*

Description

Create a MultiAssayExperiment from specific assays and cohorts

Usage

```
curatedTCGAData(diseaseCode = "*", assays = "*", dry.run = TRUE)
```

Arguments

diseaseCode a character vector containing the name(s) of TCGA cohorts
 assays a character vector containing the name(s) of TCGA assays
 dry.run logical (default TRUE) whether to return the dataset names before actual download

Details

This function will check against available resources in ExperimentHub. Currently, only the latest runDate ("2016-01-28") is supported. Use the `dry.run = FALSE` to download remote datasets and build an integrative MultiAssayExperiment object.

Value

a MultiAssayExperiment of the specified assays and cancer codes

Examples

```
curatedTCGAData(diseaseCode = c("GBM", "ACC"), assays = "CNASNP")
```

DLBC

Lymphoid Neoplasm Diffuse Large B-cell Lymphoma

Description

A document describing the TCGA cancer code

Details

```
> experiments( DLBC )
ExperimentList class object of length 9:
 [1] CNASNP-20160128: RaggedExperiment with 44725 rows and 94 columns
 [2] CNVSNP-20160128: RaggedExperiment with 9343 rows and 94 columns
 [3] GISTIC_AllByGene-20160128: SummarizedExperiment with 24776 rows and 48 columns
 [4] GISTIC_ThresholdedByGene-20160128: SummarizedExperiment with 24776 rows and 48 columns
 [5] Methylation-20160128: SummarizedExperiment with 485577 rows and 48 columns
 [6] miRNASeqGene-20160128: SummarizedExperiment with 1046 rows and 47 columns
```

```
[7] Mutation-20160128: RaggedExperiment with 16918 rows and 48 columns
[8] RNASeq2GeneNorm-20160128: SummarizedExperiment with 20501 rows and 48 columns
[9] RPPAArray-20160128: SummarizedExperiment with 192 rows and 33 columns
```

```
> rownames( DLBC )
CharacterList of length 9
[["CNASNP-20160128"]] character(0)
[["CNVSNP-20160128"]] character(0)
[["GISTIC_AllByGene-20160128"]] ACAP3 ACTRT2 ... WASIR1|ENSG00000185203.7
[["GISTIC_ThresholdedByGene-20160128"]] ACAP3 ... WASIR1|ENSG00000185203.7
[["Methylation-20160128"]] cg00000029 cg00000108 ... rs966367 rs9839873
[["miRNASeqGene-20160128"]] hsa-let-7a-1 hsa-let-7a-2 ... hsa-mir-99b
[["Mutation-20160128"]] character(0)
[["RNASeq2GeneNorm-20160128"]] A1BG A1CF A2BP1 A2LD1 ... ZZZ3 psiTPTE22 tAKR
[["RPPAArray-20160128"]] 14-3-3_beta 14-3-3_epsilon ... p90RSK_pT359_S363
```

```
> colnames( DLBC )
CharacterList of length 9
[["CNASNP-20160128"]] TCGA-FA-8693-01A-11D-2389-01 ...
[["CNVSNP-20160128"]] TCGA-FA-8693-01A-11D-2389-01 ...
[["GISTIC_AllByGene-20160128"]] TCGA-FA-8693-01A-11D-2389-01 ...
[["GISTIC_ThresholdedByGene-20160128"]] TCGA-FA-8693-01A-11D-2389-01 ...
[["Methylation-20160128"]] TCGA-FA-8693-01A-11D-2399-05 ...
[["miRNASeqGene-20160128"]] TCGA-FA-8693-01A-11R-2401-13 ...
[["Mutation-20160128"]] TCGA-FA-8693-01A-11D-2397-10 ...
[["RNASeq2GeneNorm-20160128"]] TCGA-FA-8693-01A-11R-2404-07 ...
[["RPPAArray-20160128"]] TCGA-FA-8693-01A-21-A45K-20 ...
```

Sizes of each ExperimentList element:

	assay	size.Mb
1	CNASNP-20160128	1.2 Mb
2	CNVSNP-20160128	0.3 Mb
3	GISTIC_AllByGene-20160128	4.3 Mb
4	GISTIC_ThresholdedByGene-20160128	4.3 Mb
5	Methylation-20160128	67.4 Mb
6	miRNASeqGene-20160128	0.1 Mb
7	Mutation-20160128	11.9 Mb
8	RNASeq2GeneNorm-20160128	1.1 Mb
9	RPPAArray-20160128	0 Mb

Overall survival time-to-event summary (in years):

```
Call: survfit(formula = survival::Surv(colDat$days_to_death/365, colDat$vital_status - 1)
```

```
39 observations deleted due to missingness
n events median 0.95LCL 0.95UCL
9.000 9.000 1.630 0.858 NA
```

 Available sample meta-data:

years_to_birth:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.
23.00	46.00	57.50	56.27	67.00	82.00

vital_status:

0	1
39	9

days_to_death:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
58	313	595	1505	1252	6425	39

days_to_last_followup:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0	616	946	1328	1581	5980	9

gender:

female	male
26	22

date_of_initial_pathologic_diagnosis:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.
1987	2009	2011	2009	2012	2013

radiation_therapy:

no	yes	NA's
40	7	1

histological_type:

diffuse large b-cell lymphoma (dlbcl) nos (any anatomic site nodal or extranodal)	4
primary dlbcl of the cervix	1
primary mediastinal (thymic) dlbcl	1

race:

asian	black or african american	white
18	1	29

ethnicity:

hispanic or latino	not hispanic or latino
12	36

admin.bcr:

nationwide children's hospital
48

admin.day_of_dcc_upload:
1
48

admin.disease_code:
dlbc
48

admin.month_of_dcc_upload:
10
48

admin.patient_withdrawal.withdrawn:
false
48

admin.project_code:
tcga
48

admin.year_of_dcc_upload:
2015
48

patient.age_at_initial_pathologic_diagnosis:
Min. 1st Qu. Median Mean 3rd Qu. Max.
23.00 46.00 57.50 56.27 67.00 82.00

patient.b_lymphocyte_genotyping_method:
igh pcr igh southern blot NA's
5 2 41

patient.bone_marrow_biopsy_done:
no yes NA's
10 19 19

patient.bone_marrow_involvement:
no yes NA's
32 3 13

patient.clinical_cqcf.consent_or_death_status:
consented
48

patient.clinical_cqcf.days_to_consent:
Min. 1st Qu. Median Mean 3rd Qu. Max.

-12.0 0.0 19.0 204.6 101.5 2527.0

patient.clinical_cqcf.histological_type:
diffuse large b-cell lymphoma (dlbcl) nos (any anatomic site nodal or extranodal) 4
primary dlbcl of the cns 4
primary mediastinal (thymic) dlbcl 4

patient.clinical_cqcf.history_of_neoadjuvant_treatment:
no 47
yes, pharmaceutical treatment prior to resection 1

patient.clinical_cqcf.history_of_prior_malignancy:
no 48

patient.clinical_cqcf.other_anatomic_site:
left perithyroidal soft tissue spleen 1
subgaleal, skull bone NA's 45

patient.clinical_cqcf.tumor_type:
primary 48

patient.day_of_form_completion:
Min. 1st Qu. Median Mean 3rd Qu. Max.
2.00 3.00 12.50 12.15 17.00 30.00

patient.days_to_birth:
Min. 1st Qu. Median Mean 3rd Qu. Max.
-30256 -24608 -21146 -20731 -16998 -8493

patient.days_to_death:
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
313 391 595 1795 1252 6425 43

patient.days_to_initial_pathologic_diagnosis:
0
48

patient.days_to_last_followup:
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
-10.0 33.5 415.0 907.6 1036.5 5616.0 5

patient.eastern_cancer_oncology_group:

0	1	2	3	NA's
16	12	2	1	17

patient.ebv_antibody_status:

negative	positive	NA's
6	1	41

patient.ebv_diagnostic_methodology:

eber in situ hybridization	NA's
7	41

patient.ethnicity:

hispanic or latino	not hispanic or latino
12	36

patient.extranodal_disease_involvement_sites.extranodal_disease_involvement_site

bone marrow	1
brain	1
pleura/pleural effusion	1
soft tissue (muscle, ligaments, subcutaneous)	2
NA's	43

patient.extranodal_disease_involvement_sites.extranodal_disease_involvement_site

liver	thyroid	NA's
1	1	46

patient.extranodal_disease_involvement_sites.extranodal_disease_involvement_site

lung	pleura/pleural effusion	NA's
1	1	46

patient.extranodal_disease_involvement_sites.extranodal_disease_involvement_site

other extranodal site	NA's
1	47

patient.extranodal_disease_involvement_sites.extranodal_disease_involvement_site

bladder	omentum	spleen	NA's
1	1	2	44

patient.extranodal_disease_involvement_sites.number_of_involved_extranodal_sites

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0.000	0.000	1.000	1.243	2.000	6.000	11

patient.follow_ups.follow_up.2.day_of_form_completion:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
5.0	10.0	11.0	14.5	17.5	30.0	34

patient.follow_ups.follow_up.2.days_to_death:
708 NA's
1 47

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
719	761	1012	1533	1746	3897	36

patient.follow_ups.follow_up.2.days_to_last_followup:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
719	761	1012	1533	1746	3897	36

patient.follow_ups.follow_up.2.followup_case_report_form_submission_reason:
scheduled follow-up submission NA's
14 34

patient.follow_ups.follow_up.2.lost_follow_up:
no yes NA's
10 4 34

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
2.000	2.000	2.500	4.929	8.000	12.000	34

patient.follow_ups.follow_up.2.month_of_form_completion:

patient.follow_ups.follow_up.2.new_tumor_events.new_tumor_event.days_to_new_tumor:
739 NA's
1 47

patient.follow_ups.follow_up.2.new_tumor_events.new_tumor_event.first_recurrence:
no NA's
1 47

patient.follow_ups.follow_up.2.new_tumor_events.new_tumor_event.followup_treatment:
complete remission/response progressive disease
10 2
NA's
36

patient.follow_ups.follow_up.2.new_tumor_events.new_tumor_event.new_neoplasm_event:
paraaortic lymph nodes NA's
1 47

patient.follow_ups.follow_up.2.new_tumor_events.new_tumor_event.pet_scan_results:
indeterminate negative not done NA's
2 8 3 35

patient.follow_ups.follow_up.2.new_tumor_events.new_tumor_event_after_initial_treatment:
no yes NA's
10 1 37

patient.follow_ups.follow_up.2.person_neoplasm_cancer_status:
tumor free with tumor NA's
10 1 37

```

patient.follow_ups.follow_up.2.primary_therapy_outcome_success:
complete remission/response  partial remission/response
                                11                          1
      progressive disease                                NA's
                                1                          35

```

```

patient.follow_ups.follow_up.2.radiation_therapy:
no  yes  NA's
8   5    35

```

```

patient.follow_ups.follow_up.2.targeted_molecular_therapy:
no  yes  NA's
1   12   35

```

```

patient.follow_ups.follow_up.2.vital_status:
alive  dead  NA's
12     1    35

```

```

patient.follow_ups.follow_up.2.year_of_form_completion:
2014 2015  NA's
5     9    34

```

```

patient.follow_ups.follow_up.3.bcr_followup_barcode:
tcga-gs-a9tq-f72118  tcga-gs-a9tx-f72119  NA's
                                1                          1                          46

```

```

patient.follow_ups.follow_up.3.bcr_followup_uuid:
109ad70a-707b-4db1-8b46-3ae6a20a7463  da46dbc6-0abb-450a-9322-b6206193a4ff
                                1                          1
                                NA's
                                46

```

```

patient.follow_ups.follow_up.3.day_of_form_completion:
16  NA's
2   46

```

```

patient.follow_ups.follow_up.3.days_to_last_followup:
982 1373  NA's
1    1    46

```

```

patient.follow_ups.follow_up.3.followup_case_report_form_submission_reason:
scheduled follow-up  submission  NA's
                                2                          46

```

```

patient.follow_ups.follow_up.3.lost_follow_up:
no  NA's
2   46

```

```

patient.follow_ups.follow_up.3.month_of_form_completion:
4  NA's
2  46

```

```

patient.follow_ups.follow_up.3.new_tumor_events.new_tumor_event.followup_treatme
complete remission/response          NA's
                2                    46

patient.follow_ups.follow_up.3.new_tumor_events.new_tumor_event.pet_scan_results
negative          NA's
                2    46

patient.follow_ups.follow_up.3.new_tumor_events.new_tumor_event_after_initial_tr
no NA's
  2    46

patient.follow_ups.follow_up.3.person_neoplasm_cancer_status:
tumor free          NA's
                1    47

patient.follow_ups.follow_up.3.primary_therapy_outcome_success:
complete remission/response          NA's
                2                    46

patient.follow_ups.follow_up.3.radiation_therapy:
no  yes NA's
  1   1  46

patient.follow_ups.follow_up.3.targeted_molecular_therapy:
yes NA's
  2   46

patient.follow_ups.follow_up.3.vital_status:
alive NA's
  2   46

patient.follow_ups.follow_up.3.year_of_form_completion:
2015 NA's
  2   46

patient.follow_ups.follow_up.day_of_form_completion:
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.    NA's
  1.00   6.00   10.00   12.23  17.00   30.00     1

patient.follow_ups.follow_up.days_to_death:
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.    NA's
  58.0  280.5   391.0  1748.6  2402.5  6425.0     41

patient.follow_ups.follow_up.days_to_last_followup:
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.    NA's
   0.0  418.5   832.0  1241.0  1387.5  5980.0     9

patient.follow_ups.follow_up.followup_case_report_form_submission_reason:

```

```

additional new tumor event scheduled follow-up submission
          3
          NA's
          1

patient.follow_ups.follow_up.lost_follow_up:
no  yes  NA's
31   8   9

patient.follow_ups.follow_up.month_of_form_completion:
Min. 1st Qu.  Median    Mean 3rd Qu.    Max.    NA's
1.000   6.000  10.000   8.191  11.000  12.000    1

patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.days_to_new_tumor_
Min. 1st Qu.  Median    Mean 3rd Qu.    Max.    NA's
24.0   176.2   314.0  1568.8  2745.8  6383.0    38

patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.first_progression_
diffuse large b-cell lymphoma      other histological type
          2
          NA's
          45

patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.first_progression_
composite lymphoma: b-fl-3a (60
          1
          NA's
          47

patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.first_recurrence_b
no  yes  NA's
5   3   40

patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.followup_treatment
complete remission/response  partial remission/response
          33
          1
progressive disease          stable disease
          7
          2
          NA's
          5

patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.new_neoplasm_occurr
inguinal, mediastinal, submandibular, hilar
          1
          skin (calf and chest wall)
          1
          NA's
          46

patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.pet_scan_results:
indeterminate      negative      not done      positive      NA's

```

	2	19	21	2	4
--	---	----	----	---	---

patient.follow_ups.follow_up.new_tumor_events.new_tumor_event_after_initial_trea
no yes NA's
32 10 6

patient.follow_ups.follow_up.person_neoplasm_cancer_status:
tumor free with tumor NA's
35 7 6

patient.follow_ups.follow_up.primary_therapy_outcome_success:
complete remission/response partial remission/response
35 2
progressive disease stable disease
4 2
NA's
5

patient.follow_ups.follow_up.radiation_therapy:
no yes NA's
39 6 3

patient.follow_ups.follow_up.targeted_molecular_therapy:
no yes NA's
2 43 3

patient.follow_ups.follow_up.vital_status:
alive dead NA's
39 7 2

patient.follow_ups.follow_up.year_of_form_completion:
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
2011 2013 2014 2013 2014 2015 1

patient.gender:
female male
26 22

patient.height:
Min. 1st Qu. Median Mean 3rd Qu. Max.
146.0 157.0 164.8 165.2 171.0 187.0

patient.histological_type:
diffuse large b-cell lymphoma (dlbcl) nos (any anatomic site nodal or extranodal
4
primary dlbcl of the cn
primary mediastinal (thymic) dlbc

patient.histology_of_bone_marrow_sample:
concordant histology discordant histology NA's

	2	2	44
--	---	---	----

patient.history_of_neoadjuvant_treatment:

no	yes
47	1

patient.hiv_positive_status:

negative	NA's
42	6

patient.icd_o_3_histology:

9680/3
48

patient.igh_genotype_results:

clonal	non-clonal	not tested	NA's
4	3	16	25

patient.igk_genotype_results:

not tested	NA's
22	26

patient.immunophenotypic_analysis_results.immunophenotypic_analysis_result.10.im

flow cytometry	immunohistochemistry	NA's
4	8	36

patient.immunophenotypic_analysis_results.immunophenotypic_analysis_result.10.re

indeterminate	negative	positive	NA's
1	5	6	36

patient.immunophenotypic_analysis_results.immunophenotypic_analysis_result.11.im

flow cytometry	immunohistochemistry	NA's
2	8	38

patient.immunophenotypic_analysis_results.immunophenotypic_analysis_result.11.re

indeterminate	negative	positive	NA's
1	8	1	38

patient.immunophenotypic_analysis_results.immunophenotypic_analysis_result.12.im

flow cytometry	immunohistochemistry	NA's
1	6	41

patient.immunophenotypic_analysis_results.immunophenotypic_analysis_result.12.re

indeterminate	negative	positive	NA's
1	3	3	41

patient.immunophenotypic_analysis_results.immunophenotypic_analysis_result.13.im

flow cytometry	immunohistochemistry		NA's
1	3		44
patient.immunophenotypic_analysis_results.immunophenotypic_analysis_result.13.im			
cd30 cytoplasmic ig	eber	surface ig	NA's
1	1	1	44
patient.immunophenotypic_analysis_results.immunophenotypic_analysis_result.13.re			
indeterminate	negative	positive	NA's
1	1	2	44
patient.immunophenotypic_analysis_results.immunophenotypic_analysis_result.14.im			
flow cytometry	immunohistochemistry		NA's
1	1		46
patient.immunophenotypic_analysis_results.immunophenotypic_analysis_result.14.im			
cytoplasmic ig	surface ig	NA's	
1	1	46	
patient.immunophenotypic_analysis_results.immunophenotypic_analysis_result.14.re			
indeterminate	positive	NA's	
1	1	46	
patient.immunophenotypic_analysis_results.immunophenotypic_analysis_result.15.im			
flow cytometry	NA's		
1	47		
patient.immunophenotypic_analysis_results.immunophenotypic_analysis_result.15.im			
surface ig	NA's		
1	47		
patient.immunophenotypic_analysis_results.immunophenotypic_analysis_result.15.re			
indeterminate	NA's		
1	47		
patient.immunophenotypic_analysis_results.immunophenotypic_analysis_result.2.imm			
flow cytometry	immunohistochemistry		NA's
3	38		7
patient.immunophenotypic_analysis_results.immunophenotypic_analysis_result.2.res			
negative	positive	NA's	
12	29	7	
patient.immunophenotypic_analysis_results.immunophenotypic_analysis_result.3.imm			
flow cytometry	immunohistochemistry		NA's
2	36		10
patient.immunophenotypic_analysis_results.immunophenotypic_analysis_result.3.res			
negative	positive	NA's	
3	35	10	

retroperitoneal	supraclavicular	NA's
1	1	46

patient.other_tested_genetic_abnormalities.other_tested_genetic_abnormality.2.ab
fish NA's
11 37

patient.other_tested_genetic_abnormalities.other_tested_genetic_abnormality.2.ab	normal translocation	NA's
	7	4 37

patient.other_tested_genetic_abnormalities.other_tested_genetic_abnormality.2.ot
igh pax5 NA's
10 1 37

patient.other_tested_genetic_abnormalities.other_tested_genetic_abnormality.3.ab
fish NA's
4 44

patient.other_tested_genetic_abnormalities.other_tested_genetic_abnormality.3.ab	normal	NA's
	4	44

patient.other_tested_genetic_abnormalities.other_tested_genetic_abnormality.3.ot	bcl10	foxp1	igk	NA's
	1	1	2	44

patient.other_tested_genetic_abnormalities.other_tested_genetic_abnormality.4.ab
fish NA's
3 45

patient.other_tested_genetic_abnormalities.other_tested_genetic_abnormality.4.ab	normal	NA's
	3	45

patient.other_tested_genetic_abnormalities.other_tested_genetic_abnormality.4.ot	bcl10	igl	NA's
	1	2	45

patient.other_tested_genetic_abnormalities.other_tested_genetic_abnormality.abno	cytogenetics	fish	NA's
	1	12	35

patient.other_tested_genetic_abnormalities.other_tested_genetic_abnormality.abno	loss	normal	NA's
	1	12	35

patient.percent_ebv_positive_malignant_cells:
80 NA's
1 47

```

patient.percentage_of_follicular_component:
< or = 10
      40          8

```

```

patient.person_neoplasm_cancer_status:
tumor free with tumor      NA's
      37          7          4

```

```

patient.primary_therapy_outcome_success:
complete remission/response  partial remission/response
      18                      3
      progressive disease      stable disease
      2                        2
      NA's
      23

```

```

patient.prior_dx:
no
48

```

```

patient.prior_immunologic_disease_types.prior_immunologic_disease_other:
      behget's disease      common variable immunodeficiency
      1                      1
      diverticulitis requiring colectomy non-insulin dependent diabetes mellitus
      1                      1
      NA's
      44

```

```

patient.prior_immunologic_disease_types.prior_immunologic_disease_type:
hashimoto's thyroiditis      other      rheumatoid arthritis
      1                      3                      1
      NA's
      43

```

```

patient.prior_immunologic_disease_types.prior_immunologic_disease_type.2:
other NA's
      1      47

```

```

patient.prior_immunosuppressive_therapy_types.prior_immunosuppressive_therapy_ot
immunoglobulin      prednisone      NA's
      1          1          46

```

```

patient.prior_immunosuppressive_therapy_types.prior_immunosuppressive_therapy_ty
azathioprine methotrexate      none      other      NA's
      1          1          30          1          15

```

```

patient.prior_immunosuppressive_therapy_types.prior_immunosuppressive_therapy_ty
other NA's
      1      47

```

```

patient.prior_infectious_disease:

```

hepatitis b virus	hepatitis c	NA's
4	1	43

patient.race:	asian black or african american	white
	18	1
		29

patient.radiation_therapy:	no	yes	NA's
	28	1	19

patient.radiations.radiation.anatomic_treatment_site:	distant site	primary tumor field	NA's
	1	7	40

patient.radiations.radiation.course_number:	1	NA's
	2	46

patient.radiations.radiation.day_of_form_completion:	Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
	6.00	6.00	6.50	9.60	12.75	17.00	38

patient.radiations.radiation.days_to_radiation_therapy_end:	Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
	96.0	172.2	221.5	493.5	358.8	2648.0	38

patient.radiations.radiation.days_to_radiation_therapy_start:	Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
	76.0	150.8	201.0	473.1	348.2	2646.0	38

patient.radiations.radiation.measure_of_response:	complete response	stable disease	NA's
	6	2	40

patient.radiations.radiation.month_of_form_completion:	Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
	3.0	5.5	9.5	8.3	11.0	11.0	38

patient.radiations.radiation.radiation_dosage:	Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
	27.0	31.5	39.8	296.1	292.5	1200.0	38

patient.radiations.radiation.radiation_treatment_ongoing:	no	NA's
	10	38

patient.radiations.radiation.radiation_type:	external	external beam	NA's
--	----------	---------------	------

	8	2	38	
--	---	---	----	--

patient.radiations.radiation.regimen_indication:

adjuvant	progression	NA's	
1	1	46	

patient.radiations.radiation.units:

cgy	gy	NA's
2	8	38

patient.radiations.radiation.year_of_form_completion:

2012	2014	2015	NA's
4	5	1	38

patient.stage_event.ann_arbor.b_symptoms:

no	yes	NA's
35	11	2

patient.stage_event.ann_arbor.extranodal_involvement:

no	yes	NA's
25	21	2

patient.stage_event.clinical_stage:

stage i	stage ii	stage iii	stage iv	NA's
8	17	5	12	6

patient.stage_event.system_version:

4th	5th	6th	7th	NA's
1	2	6	32	7

patient.targeted_molecular_therapy:

no	yes	NA's
3	22	23

patient.tested_genetic_abnormalities.tested_genetic_abnormality.2.abnormality_type:

fish	NA's
13	35

patient.tested_genetic_abnormalities.tested_genetic_abnormality.2.abnormality_type:

amplification	gain	normal	translocation	NA's
1	1	10	1	35

patient.tested_genetic_abnormalities.tested_genetic_abnormality.2.genetic_abnormality:

bcl2	bcl6	NA's
11	2	35

patient.tested_genetic_abnormalities.tested_genetic_abnormality.3.abnormality_type:

fish	NA's
12	36

patient.tested_genetic_abnormalities.tested_genetic_abnormality.3.abnormality_type:

normal	translocation	NA's
--------	---------------	------

	11	1	36
--	----	---	----

patient.tested_genetic_abnormalities.tested_genetic_abnormality.3.genetic_abnorm
bcl6 ccnd1 NA's
11 1 36

patient.tested_genetic_abnormalities.tested_genetic_abnormality.4.abnormality_te
fish NA's
11 37

patient.tested_genetic_abnormalities.tested_genetic_abnormality.4.abnormality_te
normal NA's
11 37

patient.tested_genetic_abnormalities.tested_genetic_abnormality.4.genetic_abnorm
ccnd1 malt1 NA's
9 2 37

patient.tested_genetic_abnormalities.tested_genetic_abnormality.5.abnormality_te
fish NA's
9 39

patient.tested_genetic_abnormalities.tested_genetic_abnormality.5.abnormality_te
normal NA's
9 39

patient.tested_genetic_abnormalities.tested_genetic_abnormality.5.genetic_abnorm
malt1 NA's
9 39

patient.tested_genetic_abnormalities.tested_genetic_abnormality.abnormality_test
fish pcr NA's
15 4 29

	gain	loss	normal	translocation	NA's
	1	1	14	3	29

patient.tested_genetic_abnormalities.tested_genetic_abnormality.genetic_abnorm
bcl2 c-myc NA's
6 13 29

patient.tissue_prospective_collection_indicator:
no yes
33 15

patient.tissue_retrospective_collection_indicator:
no yes
15 33

patient.vital_status:

alive dead
43 5

patient.weight:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.
41.50	58.67	68.00	71.04	81.92	127.70

patient.year_of_form_completion:

2011	2012	2013	2014	2015
4	14	14	15	1

patient.year_of_initial_pathologic_diagnosis:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.
1987	2009	2011	2009	2012	2013

patient.bcr_canonical_check.bcr_patient_canonical_status:

canonical
48

patient.biospecimen_cqcf.b_cell_tumor_slide_submitted:

no	yes	NA's
42	2	4

patient.biospecimen_cqcf.consent_or_death_status:

consented
48

patient.biospecimen_cqcf.days_to_pathology_review:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.
-5.00	51.25	343.50	1042.04	955.50	8798.00

patient.biospecimen_cqcf.days_to_sample_procurement:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.
-16.00	0.00	0.00	55.58	0.00	2527.00

patient.biospecimen_cqcf.digital_image_submitted:

no	yes
42	6

patient.biospecimen_cqcf.ethnicity:

hispanic or latino	not hispanic or latino	NA's
12	13	23

patient.biospecimen_cqcf.histological_type:

diffuse large b-cell lymphoma (dlbcl) nos (any anatomic site nodal or extranodal)	primary dlbcl of the cn	primary mediastinal (thymic) dlbo
4		

patient.biospecimen_cqcf.history_of_neoadjuvant_treatment:

	no
	47
yes, pharmaceutical treatment prior to resection	1

patient.biospecimen_cqcf.hiv_positive_status:

negative	no not evaluated
26	21 1

patient.biospecimen_cqcf.method_of_sample_procurement:

excisional biopsy	incisional biopsy	other (please specify)
29	9	9
other method		
1		

patient.biospecimen_cqcf.normal_controls.normal_control.days_to_normal_sample_pr

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
-29.0	0.0	19.0	418.8	387.5	3481.0	4

patient.biospecimen_cqcf.normal_controls.normal_control.extracted_dna.ncedna_dna

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0.0941	0.3255	87.0000	104.7816	207.5000	334.0000	29

patient.biospecimen_cqcf.normal_controls.normal_control.extracted_dna.ncedna_dna

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
14.00	20.00	20.00	21.21	24.00	25.00	29

patient.biospecimen_cqcf.normal_controls.normal_control.extracted_dna.ncedna_dna

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
26.0	79.5	90.0	116.9	156.5	270.0	29

patient.biospecimen_cqcf.normal_controls.normal_control.method_of_normal_sample_

blood draw	NA's
44	4

patient.biospecimen_cqcf.normal_controls.normal_control.vial_number:

1 NA's
44 4

patient.biospecimen_cqcf.other_vessel_used:

tube NA's
6 42

patient.biospecimen_cqcf.path_confirm_diagnosis_matching:

yes
48

patient.biospecimen_cqcf.path_confirm_report_attached:

yes
48

patient.biospecimen_cqcf.path_confirm_tumor_necrosis_metrics:

no yes
2 46

patient.biospecimen_cqcf.path_confirm_tumor_nuclei_metrics:

no yes
1 47

patient.biospecimen_cqcf.race:

asian white NA's
10 15 23

patient.biospecimen_cqcf.sample_prescreened:

yes
48

patient.biospecimen_cqcf.site_of_disease_text:

left perithyroidal soft tissue	1	spleen	1
subgaleal, skull bone	1	NA's	45

patient.biospecimen_cqcf.submitted_for_lce:

no yes NA's
31 2 15

patient.biospecimen_cqcf.t_cell_tumor_slide_submitted:

no yes NA's
41 3 4

patient.biospecimen_cqcf.top_slide_submitted:

no yes
6 42

patient.biospecimen_cqcf.tumor_samples.tumor_sample.2.bcr_sample_uuid:

19ed41c5-85c4-4ec5-8cb0-4ce11fbde80d	2ae6e89c-5729-4dd6-8592-87dc5df758ea	1	1
5efe5e8a-8463-4eec-9634-10b3b2acaa74	a6fe4865-b64f-4e32-a63e-18112068b3f3	1	1
	NA's		
		44	

patient.biospecimen_cqcf.tumor_samples.tumor_sample.2.tumor_necrosis_percent:

10 50 NA's
3 1 44

patient.biospecimen_cqcf.tumor_samples.tumor_sample.2.tumor_nuclei_percent:

```

80 NA's
4 44

patient.biospecimen_cqcf.tumor_samples.tumor_sample.2.tumor_weight:
200 NA's
4 44

patient.biospecimen_cqcf.tumor_samples.tumor_sample.2.vial_number:
2 NA's
4 44

patient.biospecimen_cqcf.tumor_samples.tumor_sample.tumor_necrosis_percent:
0 5 10 20 50
41 1 4 1 1

patient.biospecimen_cqcf.tumor_samples.tumor_sample.tumor_nuclei_percent:
Min. 1st Qu. Median Mean 3rd Qu. Max.
60 80 90 87 95 100

patient.biospecimen_cqcf.tumor_samples.tumor_sample.tumor_weight:
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
100.0 100.0 186.0 325.1 200.0 2079.0 2

patient.biospecimen_cqcf.tumor_samples.tumor_sample.vial_number:
1
48

patient.biospecimen_cqcf.vessel_used:
biospecimen storage bag cassette cryomold
1 9 7
cryovial other (please specify)
25 6

patient.days_to_index:
0
48

patient.samples.sample.2.days_to_collection:
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
85.0 165.0 542.5 796.1 896.5 3444.0 18

patient.samples.sample.2.is_ffpe:
no
48

patient.samples.sample.2.oct_embedded:
false NA's
30 18

```

```
patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.bi
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.
125245075 125245124 145674291 147485074 167803719 167803768
```

```
patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.ce
10
48
```

```
patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.co
0.5
48
```

```
patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.da
  8 11 16
21 17 10
```

```
patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.is
no
48
```

```
patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.mo
  4 5 7 10
17 1 20 10
```

```
patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.pl
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.
 3.000  5.000  7.000  6.562  8.000  9.000
```

```
patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.pl
2233 a29f a334 a44q a44w
 17  1  10  15  5
```

```
patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.qu
40
48
```

```
patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.so
22 23
17 31
```

```
patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.vo
80
48
```

```
patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.ye
2012 2013 2014
 17  11  20
```

```
patient.samples.sample.2.portions.portion.analytes.analyte.2.amount:
```

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
152.0	160.0	166.0	164.6	167.0	175.0	31

patient.samples.sample.2.portions.portion.analytes.analyte.2.analyte_type:
 repli-g (qiagen) dna
 48

patient.samples.sample.2.portions.portion.analytes.analyte.2.analyte_type_id:
 w
 48

patient.samples.sample.2.portions.portion.analytes.analyte.2.concentration:
 0.5 NA's
 17 31

patient.samples.sample.2.portions.portion.analytes.analyte.2.dna.normal_tumor_ge
 yes
 48

patient.samples.sample.2.portions.portion.analytes.analyte.2.dna.pcr_amplificati
 no yes
 17 31

patient.samples.sample.2.portions.portion.analytes.analyte.2.gel_image_file:
<https://sharedoc.nchri.org/tcga-bcr/default.aspx>
 48

patient.samples.sample.2.portions.portion.analytes.analyte.2.is_derived_from_ffp
 no
 48

patient.samples.sample.2.portions.portion.analytes.analyte.2.protocols.protocol.
 repli-g repli-g x
 47 1

patient.samples.sample.2.portions.portion.analytes.analyte.2.spectrophotometer_m
 picogreen NA's
 17 31

patient.samples.sample.2.portions.portion.analytes.analyte.a260_a280_ratio:
 1.8 1.9 NA's
 1 6 41

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.
124428098	124428169	150705898	146957510	164054598	167822291

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.2.ce

1 10
26 22

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.2.co
Min. 1st Qu. Median Mean 3rd Qu. Max.
0.0500 0.0800 0.1350 0.1196 0.1600 0.1800

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.2.da
10 14 24 26 30
1 17 10 15 5

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.2.is
no
48

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.2.mo
3 4 7 9
32 5 10 1

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.2.pl
Min. 1st Qu. Median Mean 3rd Qu. Max.
1.000 4.000 7.000 6.271 8.000 9.000

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.2.qu
Min. 1st Qu. Median Mean 3rd Qu. Max.
0.870 1.008 1.135 2.027 3.200 3.600

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.2.so
22 23
18 30

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.2.vo
6.67 6.7 40 60
17 9 21 1

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.2.ye
2012 2013 2014
18 10 20

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.3.bi
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
124428002 124428069 150705936 145718152 164105324 167823254 4

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.3.ce
10 26 NA's
26 18 4

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.3.co

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0.05000	0.05000	0.08000	0.09977	0.15000	0.17000	4

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.3.da

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
10.00	14.00	24.00	21.05	26.00	30.00	4

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.3.is

no NA's
44 4

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.3.mo

3 4 7 9 NA's
29 5 9 1 4

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.3.pl

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
3.000	3.000	5.500	5.273	7.000	8.000	4

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.3.qu

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1.400	1.600	3.000	2.455	3.000	3.600	4

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.3.so

22 23 NA's
18 26 4

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.3.vo

10 40 60 NA's
18 9 17 4

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.3.ye

2012 2013 2014 NA's
18 9 17 4

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.bios

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.
1.244e+08	1.244e+08	1.539e+08	1.672e+08	1.641e+08	1.076e+09

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.cent

1 26
22 26

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.conc

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.
0.1300	0.1500	0.1600	0.1554	0.1600	0.1800

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.day_

10 14 24 26 30
1 17 10 15 5

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.is_d
no
48

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.mon
3 4 7 9
32 5 10 1

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.plat
Min. 1st Qu. Median Mean 3rd Qu. Max.
3.000 4.000 4.500 5.854 8.000 11.000

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.quant
Min. 1st Qu. Median Mean 3rd Qu. Max.
0.940 1.070 1.350 1.317 1.600 1.800

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.sour
22 23
18 30

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.vol
6.67 6.7 10
1 21 26

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.year
2012 2013 2014
18 10 20

patient.samples.sample.2.portions.portion.analytes.analyte.amount:
Min. 1st Qu. Median Mean 3rd Qu. Max.
6.27 14.83 23.51 87.95 113.25 597.00

patient.samples.sample.2.portions.portion.analytes.analyte.analyte_type:
dna
48

patient.samples.sample.2.portions.portion.analytes.analyte.analyte_type_id:
d
48

patient.samples.sample.2.portions.portion.analytes.analyte.concentration:
Min. 1st Qu. Median Mean 3rd Qu. Max.
0.1300 0.1500 0.1600 0.1554 0.1600 0.1800

patient.samples.sample.2.portions.portion.analytes.analyte.dna.normal_tumor_genom

yes
48

patient.samples.sample.2.portions.portion.analytes.analyte.dna.pcr_amplification
no yes
18 30

patient.samples.sample.2.portions.portion.analytes.analyte.gel_image_file:
<https://sharedoc.nchri.org/tcga-bcr/default.aspx>
48

patient.samples.sample.2.portions.portion.analytes.analyte.is_derived_from_ffpe:
no
48

patient.samples.sample.2.portions.portion.analytes.analyte.protocols.protocol.ex
adna preparation type chemical lysis dna extraction
16 9
pre-extracted dna received by tss
23

patient.samples.sample.2.portions.portion.analytes.analyte.spectrophotometer_met
picogreen uv spec
41 7

patient.samples.sample.2.portions.portion.day_of_creation:
Min. 1st Qu. Median Mean 3rd Qu. Max.
2.00 12.75 17.00 17.98 27.00 31.00

patient.samples.sample.2.portions.portion.is_ffpe:
no
48

patient.samples.sample.2.portions.portion.month_of_creation:
Min. 1st Qu. Median Mean 3rd Qu. Max.
2.000 2.000 6.000 5.354 9.000 12.000

patient.samples.sample.2.portions.portion.portion_number:
1
48

patient.samples.sample.2.portions.portion.portion_sequence:
1 NA's
18 30

patient.samples.sample.2.portions.portion.weight:
2 NA's
16 32

patient.samples.sample.2.portions.portion.year_of_creation:

2011 2012 2013 2014
 9 14 14 11

patient.samples.sample.2.sample_type:
 blood derived normal bone marrow normal
 44 4

patient.samples.sample.2.sample_type_id:
 10 14
 44 4

patient.samples.sample.2.vial_number:
 a
 48

patient.samples.sample.days_to_collection:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 85.0 165.0 542.5 794.0 896.5 3444.0 18

patient.samples.sample.diagnostic_slides.ffpe_slide_uuid.2:
 23c4445e-5ffb-4722-b913-01f952059e7d ac079933-2c30-42b0-ad5d-140be3da7302
 1 1
 NA's
 46

patient.samples.sample.diagnostic_slides.ffpe_slide_uuid.3:
 1c5215a5-4e0c-4c2e-a83b-1bad6f6f67b3 3578770b-6298-4740-9609-413f93e9c082
 1 1
 NA's
 46

patient.samples.sample.initial_weight:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 1.0 75.0 150.0 312.8 360.0 1430.0 18

patient.samples.sample.intermediate_dimension:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 0.0000 0.3000 0.5000 0.5615 0.8000 1.5000 35

patient.samples.sample.is_ffpe:
 no
 48

patient.samples.sample.longest_dimension:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 0.1000 0.5000 0.9000 0.9923 1.1000 2.8000 35

patient.samples.sample.oct_embedded:
 false true NA's

10 20 18

patient.samples.sample.portions.portion.analytes.analyte.2.a260_a280_ratio:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1.770	1.820	1.860	1.861	1.900	1.980	11

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.2.bi

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.
124425823	124427399	150756720	146980224	164105516	167788101

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.2.ce

7 13
18 30

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.2.co

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.
0.1300	0.1500	0.1600	0.1596	0.1700	0.1800

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.2.da

10 14 24 26 30
1 17 10 15 5

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.2.is

no
48

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.2.mo

3 4 7 9
32 5 10 1

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.2.pl

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.
1.000	2.000	5.000	4.604	7.000	9.000

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.2.pl

2213 2404 a31s a38n a39j
17 1 10 15 5

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.2.qu

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.
1.730	2.098	3.200	2.829	3.400	3.600

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.2.so

22 23
18 30

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.2.vo

13.3 20
18 30

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.2.ye
2012 2013 2014
18 10 20

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.bios
Min. 1st Qu. Median Mean 3rd Qu. Max.
1.244e+08 1.244e+08 1.508e+08 1.667e+08 1.641e+08 1.076e+09

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.cent
7 13
30 18

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.conc
Min. 1st Qu. Median Mean 3rd Qu. Max.
0.1300 0.1500 0.1600 0.1596 0.1700 0.1800

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.day_
10 14 24 26 30
1 17 10 15 5

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.is_d
no
48

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.mont
3 4 7 9
32 5 10 1

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.plat
Min. 1st Qu. Median Mean 3rd Qu. Max.
1.000 2.000 5.000 4.729 7.000 12.000

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.plat
2212 2401 a31o a38c a39d
17 1 10 15 5

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.quan
Min. 1st Qu. Median Mean 3rd Qu. Max.
1.950 2.210 2.340 2.454 2.600 3.200

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.sour
22 23
18 30

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.vol
13 20

30 18

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.year
 2012 2013 2014
 18 10 20

patient.samples.sample.portions.portion.analytes.analyte.2.amount:
 Min. 1st Qu. Median Mean 3rd Qu. Max.
 21.62 52.57 85.98 155.74 268.45 572.20

patient.samples.sample.portions.portion.analytes.analyte.2.analyte_type:
 rna
 48

patient.samples.sample.portions.portion.analytes.analyte.2.analyte_type_id:
 r
 48

patient.samples.sample.portions.portion.analytes.analyte.2.concentration:
 Min. 1st Qu. Median Mean 3rd Qu. Max.
 0.1300 0.1500 0.1600 0.1596 0.1700 0.1800

patient.samples.sample.portions.portion.analytes.analyte.2.gel_image_file:
<https://sharedoc.nchri.org/tcga-bcr/default.aspx>
 48

patient.samples.sample.portions.portion.analytes.analyte.2.is_derived_from_ffpe:
 no
 48

patient.samples.sample.portions.portion.analytes.analyte.2.protocols.protocol.ex
 mirvana (allprep dna) rna
 48

patient.samples.sample.portions.portion.analytes.analyte.2.rna.ratio_28s_18s:
 Min. 1st Qu. Median Mean 3rd Qu. Max.
 1.020 1.620 1.745 1.715 1.855 2.080

patient.samples.sample.portions.portion.analytes.analyte.2.rna.rinvalue:
 Min. 1st Qu. Median Mean 3rd Qu. Max.
 7.100 8.000 9.150 8.781 9.500 9.800

patient.samples.sample.portions.portion.analytes.analyte.2.spectrophotometer_met
 uv spec
 48

patient.samples.sample.portions.portion.analytes.analyte.2.subportion_sequence:
 1 2
 47 1


```
patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.bios
  Min. 1st Qu. Median Mean 3rd Qu. Max.
125244139 125245126 148189214 147993633 167788759 167803192
```

```
patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.cent
10
48
```

```
patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.conc
0.5
48
```

```
patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.day_
 8 11 16
21 17 10
```

```
patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.is_d
no
48
```

```
patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.mont
 4 5 7 10
17 1 20 10
```

```
patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.plat
  Min. 1st Qu. Median Mean 3rd Qu. Max.
 1.000 2.000 3.000 4.479 8.000 9.000
```

```
patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.plat
2233 a29f a334 a44p a44w
 17 1 10 15 5
```

```
patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.quant
40
48
```

```
patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.sour
22 23
17 31
```

```
patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.volun
80
48
```

```
patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.year
2012 2013 2014
 17 11 20
```

```
patient.samples.sample.portions.portion.analytes.analyte.3.amount:
```

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
160.0	166.0	169.0	170.1	172.0	185.0	31

patient.samples.sample.portions.portion.analytes.analyte.3.analyte_type:
 repli-g (qiagen) dna
 48

patient.samples.sample.portions.portion.analytes.analyte.3.analyte_type_id:
 w
 48

patient.samples.sample.portions.portion.analytes.analyte.3.concentration:
 0.5 NA's
 17 31

patient.samples.sample.portions.portion.analytes.analyte.3.dna.normal_tumor_gene:
 yes
 48

patient.samples.sample.portions.portion.analytes.analyte.3.dna.pcr_amplification:
 no yes
 17 31

patient.samples.sample.portions.portion.analytes.analyte.3.gel_image_file:
<https://sharedoc.nchri.org/tcga-bcr/default.aspx>
 48

patient.samples.sample.portions.portion.analytes.analyte.3.is_derived_from_ffpe:
 no
 48

patient.samples.sample.portions.portion.analytes.analyte.3.protocols.protocol.exp:
 repli-g repli-g x
 47 1

patient.samples.sample.portions.portion.analytes.analyte.3.spectrophotometer_method:
 picogreen NA's
 17 31

patient.samples.sample.portions.portion.analytes.analyte.3.subportion_sequence:
 1 2
 47 1

patient.samples.sample.portions.portion.analytes.analyte.a260_a280_ratio:
 1.8 1.9 2 NA's
 1 5 1 41

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.2.bios

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.
124428096	124428168	150705472	146959641	164054983	167822098

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.2.cent
 1 10
 26 22

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.
0.050	0.080	0.140	0.115	0.150	0.170

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.2.day_
 10 14 24 26 30
 1 17 10 15 5

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.2.is_d
 no
 48

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.2.mont
 3 4 7 9
 32 5 10 1

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.
1.000	2.000	3.000	4.271	8.000	9.000

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.
0.870	1.000	1.070	1.941	3.200	3.200

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.2.sour
 22 23
 18 30

6.67	6.7	40	60
17	9	21	1

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.2.year
 2012 2013 2014
 18 10 20

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.
124425836	124428065	150705962	146954232	164055031	167823249

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.3.cent

5 10 26
17 26 5

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.3.conc
Min. 1st Qu. Median Mean 3rd Qu. Max.
0.0500 0.0500 0.0800 0.1021 0.1500 0.1600

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.3.day_
10 14 24 26 30
1 17 10 15 5

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.3.is_d
no
48

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.3.mont
3 4 7 9
32 5 10 1

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.3.plat
Min. 1st Qu. Median Mean 3rd Qu. Max.
1.000 1.000 3.000 4.167 8.000 9.000

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.3.quant
Min. 1st Qu. Median Mean 3rd Qu. Max.
1.400 1.950 2.800 2.501 3.000 3.200

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.3.sour
22 23
18 30

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.3.vol
10 13 13.3 40 60
5 16 1 9 17

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.3.year
2012 2013 2014
18 10 20

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.4.bios
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
124428480 124428551 150705950 145716945 164105326 167788220 4

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.4.cent
5 26 NA's
31 13 4

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.4.conc

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0.1300	0.1400	0.1500	0.1502	0.1600	0.1700	4

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.4.day_

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
10.00	14.00	24.00	21.05	26.00	30.00	4

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.4.is_d

no NA's

44	4
----	---

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.4.mont

3	4	7	9	NA's
29	5	9	1	4

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.4.plat

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1.000	2.000	3.000	2.614	3.000	7.000	4

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.4.quant

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1.400	1.600	1.860	1.835	2.000	2.260	4

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.4.sour

22	23	NA's
18	26	4

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.4.vol

10	13	13.3	NA's
13	14	17	4

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.4.year

2012	2013	2014	NA's
18	9	17	4

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.biospe

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.
1.244e+08	1.244e+08	1.539e+08	1.673e+08	1.641e+08	1.076e+09

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.center

1	26
22	26

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.concen

0.13	0.14	0.15	0.16	0.17
1	11	22	13	1

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.day_of

10 14 24 26 30
1 17 10 15 5

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.is_der
no
48

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.month_
3 4 7 9
32 5 10 1

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.plate_
Min. 1st Qu. Median Mean 3rd Qu. Max.
1.000 2.000 2.000 4.229 8.000 11.000

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.quantit
Min. 1st Qu. Median Mean 3rd Qu. Max.
0.940 1.010 1.400 1.274 1.500 1.700

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.source
22 23
18 30

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.volume
6.67 6.7 10
1 21 26

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.year_o
2012 2013 2014
18 10 20

patient.samples.sample.portions.portion.analytes.analyte.amount:
Min. 1st Qu. Median Mean 3rd Qu. Max.
8.69 41.04 63.80 177.06 330.95 612.70

patient.samples.sample.portions.portion.analytes.analyte.analyte_type:
dna
48

patient.samples.sample.portions.portion.analytes.analyte.analyte_type_id:
d
48

patient.samples.sample.portions.portion.analytes.analyte.concentration:
0.13 0.14 0.15 0.16 0.17
1 11 22 13 1

patient.samples.sample.portions.portion.analytes.analyte.dna.normal_tumor_genoty

yes
48

patient.samples.sample.portions.portion.analytes.analyte.dna.pcr_amplification_s
no yes
18 30

patient.samples.sample.portions.portion.analytes.analyte.gel_image_file:
<https://sharedoc.nchri.org/tcga-bcr/default.aspx>
48

patient.samples.sample.portions.portion.analytes.analyte.is_derived_from_ffpe:
no
48

patient.samples.sample.portions.portion.analytes.analyte.protocols.protocol.expe
adna preparation type
48

patient.samples.sample.portions.portion.analytes.analyte.spectrophotometer_metho
picogreen uv spec
41 7

patient.samples.sample.portions.portion.analytes.analyte.subportion_sequence:
1 2
47 1

patient.samples.sample.portions.portion.day_of_creation:
Min. 1st Qu. Median Mean 3rd Qu. Max.
3 15 21 19 24 30

patient.samples.sample.portions.portion.is_ffpe:
no
48

patient.samples.sample.portions.portion.month_of_creation:
Min. 1st Qu. Median Mean 3rd Qu. Max.
2.000 2.000 5.500 5.312 8.250 12.000

patient.samples.sample.portions.portion.portion_number:
11 12
47 1

patient.samples.sample.portions.portion.portion_sequence:
1 NA's
18 30

patient.samples.sample.portions.portion.slides.slide.2.is_derived_from_ffpe:
 no NA's
 13 35

patient.samples.sample.portions.portion.slides.slide.2.percent_lymphocyte_infiltration:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 1 9 9 35 90 95 39

patient.samples.sample.portions.portion.slides.slide.2.percent_monocyte_infiltration:
 0 NA's
 8 40

patient.samples.sample.portions.portion.slides.slide.2.percent_necrosis:
 0 5 NA's
 12 1 35

patient.samples.sample.portions.portion.slides.slide.2.percent_neutrophil_infiltration:
 0 2 5 NA's
 6 1 1 40

patient.samples.sample.portions.portion.slides.slide.2.percent_normal_cells:
 0 5 10 NA's
 11 1 1 35

patient.samples.sample.portions.portion.slides.slide.2.percent_stromal_cells:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 0.000 0.000 0.000 5.769 10.000 25.000 35

patient.samples.sample.portions.portion.slides.slide.2.percent_tumor_cells:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 70.00 90.00 95.00 92.69 100.00 100.00 35

patient.samples.sample.portions.portion.slides.slide.2.percent_tumor_nuclei:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 75.00 80.00 90.00 86.77 90.00 95.00 35

patient.samples.sample.portions.portion.slides.slide.2.section_location:
 top NA's
 13 35

patient.samples.sample.portions.portion.slides.slide.is_derived_from_ffpe:
 no
 48

patient.samples.sample.portions.portion.slides.slide.percent_lymphocyte_infiltration:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 2.00 15.50 80.00 59.65 87.50 100.00 5

patient.samples.sample.portions.portion.slides.slide.percent_monocyte_infiltration:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0.000	2.000	5.000	5.568	10.000	20.000	11

patient.samples.sample.portions.portion.slides.slide.percent_necrosis:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0.000	0.000	0.000	1.915	5.000	15.000	1

patient.samples.sample.portions.portion.slides.slide.percent_neutrophil_infiltration:

0	2	5	10	NA's	
21	1	11	5	10	

patient.samples.sample.portions.portion.slides.slide.percent_normal_cells:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0.000	0.000	0.000	4.106	5.000	40.000	1

patient.samples.sample.portions.portion.slides.slide.percent_stromal_cells:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0.00	2.00	5.00	8.34	10.00	35.00	1

patient.samples.sample.portions.portion.slides.slide.percent_tumor_cells:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
50.00	80.00	90.00	85.64	95.00	100.00	1

patient.samples.sample.portions.portion.slides.slide.percent_tumor_nuclei:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
60.0	80.0	90.0	86.3	90.5	95.0	1

patient.samples.sample.portions.portion.slides.slide.section_location:

bottom	top
13	35

patient.samples.sample.portions.portion.weight:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.
1.00	30.00	30.00	27.94	31.00	79.00

patient.samples.sample.portions.portion.year_of_creation:

2011	2012	2013	2014
9	14	14	11

patient.samples.sample.portions.shipment_portion.center_id:

20	NA's
33	15

patient.samples.sample.portions.shipment_portion.is_ffpe:

no	NA's
33	15

patient.samples.sample.portions.shipment_portion.plate_id:

a45k	NA's
33	15

```

patient.samples.sample.portions.shipment_portion.portion_number:
  21 NA's
  33  15

patient.samples.sample.portions.shipment_portion.portion_sequence:
  2 NA's
  26  22

patient.samples.sample.portions.shipment_portion.shipment_portion_day_of_shipment:
  30 NA's
  33  15

patient.samples.sample.portions.shipment_portion.shipment_portion_month_of_shipment:
  7 NA's
  33  15

patient.samples.sample.portions.shipment_portion.shipment_portion_year_of_shipment:
  2014 NA's
  33  15

patient.samples.sample.sample_type:
primary tumor
      48

patient.samples.sample.sample_type_id:
  1
  48

patient.samples.sample.shortest_dimension:
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.    NA's
  0.0    0.2    0.4    0.3    0.4    0.5    35

patient.samples.sample.vial_number:
  a  b
  47 1

```

ESCA

Esophageal carcinoma

Description

A document describing the TCGA cancer code

Details

```

> experiments( ESCA )
ExperimentList class object of length 11:
 [1] CNASeq-20160128: RaggedExperiment with 17059 rows and 104 columns
 [2] CNASNP-20160128: RaggedExperiment with 203186 rows and 373 columns

```

```

[3] CNVSNP-20160128: RaggedExperiment with 60803 rows and 373 columns
[4] GISTIC_AllByGene-20160128: SummarizedExperiment with 24776 rows and 184 columns
[5] GISTIC_ThresholdedByGene-20160128: SummarizedExperiment with 24776 rows and 184 columns
[6] Methylation-20160128: SummarizedExperiment with 485577 rows and 202 columns
[7] miRNASeqGene-20160128: SummarizedExperiment with 1046 rows and 198 columns
[8] Mutation-20160128: RaggedExperiment with 58602 rows and 185 columns
[9] RNASeq2GeneNorm-20160128: SummarizedExperiment with 20501 rows and 196 columns
[10] RNASeqGene-20160128: SummarizedExperiment with 26120 rows and 198 columns
[11] RPPAArray-20160128: SummarizedExperiment with 192 rows and 126 columns

```

```
> rownames( ESCA )
```

```
CharacterList of length 11
```

```

[["CNASeq-20160128"]] character(0)
[["CNASNP-20160128"]] character(0)
[["CNVSNP-20160128"]] character(0)
[["GISTIC_AllByGene-20160128"]] ACAP3 ACTRT2 ... WASIR1|ENSG00000185203.7
[["GISTIC_ThresholdedByGene-20160128"]] ACAP3 ... WASIR1|ENSG00000185203.7
[["Methylation-20160128"]] cg00000029 cg00000108 ... rs966367 rs9839873
[["miRNASeqGene-20160128"]] hsa-let-7a-1 hsa-let-7a-2 ... hsa-mir-99b
[["Mutation-20160128"]] character(0)
[["RNASeq2GeneNorm-20160128"]] A1BG A1CF A2BP1 A2LD1 ... ZZZ3 psiTPTE22 tAKR
[["RNASeqGene-20160128"]] AADACL3 AADACL4 AB007962 AB074166 ... VCY XKRY ZFY
...
<1 more element>

```

```
> colnames( ESCA )
```

```
CharacterList of length 11
```

```

[["CNASeq-20160128"]] TCGA-IG-A3I8-01A-11D-A248-26 ...
[["CNASNP-20160128"]] TCGA-2H-A9GF-01A-11D-A37B-01 ...
[["CNVSNP-20160128"]] TCGA-2H-A9GF-01A-11D-A37B-01 ...
[["GISTIC_AllByGene-20160128"]] TCGA-2H-A9GF-01A-11D-A37B-01 ...
[["GISTIC_ThresholdedByGene-20160128"]] TCGA-2H-A9GF-01A-11D-A37B-01 ...
[["Methylation-20160128"]] TCGA-2H-A9GF-01A-11D-A37D-05 ...
[["miRNASeqGene-20160128"]] TCGA-2H-A9GF-01A-11R-A37J-13 ...
[["Mutation-20160128"]] TCGA-2H-A9GF-01A-11D-A37C-09 ...
[["RNASeq2GeneNorm-20160128"]] TCGA-2H-A9GF-01A-11R-A37I-31 ...
[["RNASeqGene-20160128"]] TCGA-2H-A9GF-01A-11R-A37I-31 ...
...
<1 more element>

```

```
Sizes of each ExperimentList element:
```

		assay	size.Mb
1		CNASeq-20160128	0.5 Mb
2		CNASNP-20160128	5.5 Mb
3		CNVSNP-20160128	1.7 Mb
4	GISTIC_AllByGene-20160128		4.3 Mb
5	GISTIC_ThresholdedByGene-20160128		4.3 Mb
6	Methylation-20160128		67.4 Mb
7	miRNASeqGene-20160128		0.1 Mb
8	Mutation-20160128		39.6 Mb
9	RNASeq2GeneNorm-20160128		1.1 Mb

```

10          RNASeqGene-20160128  1.5 Mb
11          RPPAArray-20160128   0 Mb

```

```

-----
Overall survival time-to-event summary (in years):
-----

```

```

Call: survfit(formula = survival::Surv(colDat$days_to_death/365, colDat$vital_st
-1)

```

```

      108 observations deleted due to missingness
      n  events  median 0.95LCL 0.95UCL
77.000  77.000   0.962   0.677   1.353

```

```

-----
Available sample meta-data:
-----

```

```

years_to_birth:
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.
 27.00  54.00   61.00   62.46  72.00   90.00

```

```

vital_status:
  0    1
108  77

```

```

days_to_death:
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.   NA's
   9.0  180.0   351.0  495.2  650.0  2532.0   108

```

```

days_to_last_followup:
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.   NA's
   4.0  336.5   402.5  570.1  696.8  3714.0    77

```

```

tumor_tissue_site:
esophagus
      185

```

```

pathology_M_stage:
  m0  m1  m1a  mx NA's
 136   4   5  18  22

```

```

gender:
female  male
   27   158

```

```

date_of_initial_pathologic_diagnosis:

```

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1998	2007	2011	2009	2012	2013	7

radiation_therapy:

no	yes	NA's
124	43	18

karnofsky_performance_score:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
20.00	60.00	80.00	73.82	90.00	100.00	117

histological_type:

esophagus adenocarcinoma,	nos esophagus squamous cell carcinoma
89	96

number_pack_years_smoked:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1.00	17.62	30.00	34.48	47.25	102.00	87

residual_tumor:

r0	r1	r2	rx	NA's
137	13	2	7	26

number_of_lymph_nodes:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0.000	0.000	1.000	2.526	4.000	21.000	50

race:

asian	black	or african american	white
46		5	114
NA's			
20			

ethnicity:

hispanic or latino	not hispanic or latino	NA's
6	88	91

admin.bcr:

nationwide children's hospital
185

admin.day_of_dcc_upload:

1
185

admin.disease_code:

esca
185

admin.month_of_dcc_upload:

10

185

admin.patient_withdrawal.withdrawn:
false
185

admin.project_code:
tcga
185

admin.year_of_dcc_upload:
2015
185

patient.age_began_smoking_in_years:
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
10.00 16.50 21.00 22.33 26.00 57.00 106

patient.alcohol_history_documented:
no yes NA's
53 129 3

patient.amount_of_alcohol_consumption_per_day:
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
0.00 1.00 1.00 1.83 2.00 14.00 91

patient.antireflux_treatment_types.antireflux_treatment_type:
medically treated no treatment NA's
39 8 138

patient.antireflux_treatment_types.antireflux_treatment_type.2:
surgically treated NA's
2 183

patient.barretts_esophagus:
no yes-uk yes-usa NA's
118 10 18 39

patient.clinical_cqcf.consent_or_death_status:
consented deceased
163 22

patient.clinical_cqcf.days_to_consent:
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
-42.00 0.00 3.00 30.69 31.75 1529.00 29

patient.clinical_cqcf.days_to_death:
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
81.0 245.0 464.5 707.2 909.2 2532.0 163

```

patient.clinical_cqcf.histological_type:
  esophagus adenocarcinoma nos esophagus squamous cell carcinoma
                                     89                                     96

patient.clinical_cqcf.history_of_neoadjuvant_treatment:
  no
  185

patient.clinical_cqcf.normal_tissue_anatomic_site:
  esophageal; distal                other                NA's
                                     3                  63                119

patient.clinical_cqcf.normal_tissue_proximity:
  distal (>2cm)                    NA's
                                     64                  121

patient.clinical_cqcf.tumor_type:
  primary
  185

patient.day_of_form_completion:
  Min. 1st Qu.  Median    Mean 3rd Qu.  Max.
  1.00  11.00   16.00   16.55  25.00   30.00

patient.days_to_birth:
  Min. 1st Qu.  Median    Mean 3rd Qu.  Max.
 -32872 -26348 -22313 -22992 -19840 -10222

patient.days_to_death:
  Min. 1st Qu.  Median    Mean 3rd Qu.  Max.  NA's
   9.0   161.0   283.0   488.7  610.0  2532.0  128

patient.days_to_last_followup:
  Min. 1st Qu.  Median    Mean 3rd Qu.  Max.  NA's
  -4.0    2.0   94.0   288.9  403.5  3714.0  57

patient.drugs.drug.2.day_of_form_completion:
  Min. 1st Qu.  Median    Mean 3rd Qu.  Max.  NA's
   3.0   15.0   17.0   19.5   27.0   31.0   155

patient.drugs.drug.2.days_to_drug_therapy_end:
  Min. 1st Qu.  Median    Mean 3rd Qu.  Max.  NA's
   53    82   159   204   270   693   160

patient.drugs.drug.2.days_to_drug_therapy_start:
  Min. 1st Qu.  Median    Mean 3rd Qu.  Max.  NA's
  25.0   49.0  103.5  154.3  174.5  609.0  157

```

```

patient.drugs.drug.2.measure_of_response:
clinical progressive disease      complete response
                                6                      18
                                partial response      stable disease
                                2                      1
                                NA's
                                158

```

```

patient.drugs.drug.2.month_of_form_completion:
  Min. 1st Qu.  Median    Mean 3rd Qu.  Max.  NA's
  1.0    1.0    1.5    4.2    7.0   12.0  155

```

```

patient.drugs.drug.2.therapy_ongoing:
  no  yes NA's
  27   2  156

```

```

patient.drugs.drug.2.therapy_types.therapy_type:
  ancillary chemotherapy      NA's
  1                          29    155

```

```

patient.drugs.drug.2.tx_on_clinical_trial:
  no NA's
  30  155

```

```

patient.drugs.drug.2.year_of_form_completion:
  2012 2013 2014 2015 NA's
  1     2   12   15  155

```

```

patient.drugs.drug.3.day_of_form_completion:
  Min. 1st Qu.  Median    Mean 3rd Qu.  Max.  NA's
  3.00  12.25   25.50   20.38  29.25   31.00  177

```

```

patient.drugs.drug.3.days_to_drug_therapy_end:
  Min. 1st Qu.  Median    Mean 3rd Qu.  Max.  NA's
  225.0  251.5   325.5   374.3  419.0   693.0  179

```

```

patient.drugs.drug.3.days_to_drug_therapy_start:
  Min. 1st Qu.  Median    Mean 3rd Qu.  Max.  NA's
  97.0  137.5   160.5   222.9  283.0   537.0  177

```

```

patient.drugs.drug.3.measure_of_response:
clinical progressive disease      complete response
                                1                      3
                                partial response      NA's
                                2                      179

```

```

patient.drugs.drug.3.month_of_form_completion:

```


Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1.00	1.00	3.50	4.75	6.50	12.00	177

patient.drugs.drug.3.therapy_ongoing:

no	yes	NA's
6	1	178

patient.drugs.drug.3.therapy_types.therapy_type:

chemotherapy	NA's
8	177

patient.drugs.drug.3.tx_on_clinical_trial:

no	NA's
8	177

patient.drugs.drug.3.year_of_form_completion:

2013	2014	2015	NA's
1	5	2	177

patient.drugs.drug.4.bcr_drug_barcode:

tcga-ln-a4a8-d70200	NA's
1	184

patient.drugs.drug.4.bcr_drug_uuid:

f40942c3-c5b9-4fe6-b163-5cb4ff67bc24	NA's
1	184

patient.drugs.drug.4.day_of_form_completion:

30	NA's
1	184

patient.drugs.drug.4.days_to_drug_therapy_end:

432	NA's
1	184

patient.drugs.drug.4.days_to_drug_therapy_start:

276	NA's
1	184

patient.drugs.drug.4.drug_name:

cisplatin	NA's
1	184

patient.drugs.drug.4.measure_of_response:

complete response	NA's
1	184

patient.drugs.drug.4.month_of_form_completion:

1	NA's
1	184

patient.drugs.drug.4.therapy_ongoing:

```

no NA's
  1 184

patient.drugs.drug.4.therapy_types.therapy_type:
chemotherapy      NA's
                   1      184

patient.drugs.drug.4.tx_on_clinical_trial:
no NA's
  1 184

patient.drugs.drug.4.year_of_form_completion:
2015 NA's
  1 184

patient.drugs.drug.day_of_form_completion:
  Min. 1st Qu.  Median    Mean 3rd Qu.  Max.   NA's
  3.00  15.00   19.00   19.23  26.00   31.00  142

patient.drugs.drug.days_to_drug_therapy_end:
  Min. 1st Qu.  Median    Mean 3rd Qu.  Max.   NA's
  53.00  83.75  147.50  196.53  269.50  693.00  147

patient.drugs.drug.days_to_drug_therapy_start:
  Min. 1st Qu.  Median    Mean 3rd Qu.  Max.   NA's
  23.0   49.0   97.0   132.7  151.0   556.0  144

patient.drugs.drug.measure_of_response:
clinical progressive disease      complete response
                                10                          28
                                partial response             stable disease
                                2                          1
                                NA's
                                144

patient.drugs.drug.month_of_form_completion:
  Min. 1st Qu.  Median    Mean 3rd Qu.  Max.   NA's
  1.000  1.000  1.000  4.512  10.000  12.000  142

patient.drugs.drug.therapy_ongoing:
no  yes NA's
41  1  143

patient.drugs.drug.therapy_types.therapy_type:
chemotherapy      NA's
                   43      142

patient.drugs.drug.tx_on_clinical_trial:
no NA's

```

43 142

patient.drugs.drug.year_of_form_completion:

2012	2013	2014	2015	NA's
1	5	14	23	142

patient.ethnicity:

hispanic or latino	not hispanic or latino	NA's
6	88	91

patient.follow_ups.follow_up.2.additional_treatment_completion_success_outcome:

complete response	progressive disease	stable disease	NA's
9	1	1	174

patient.follow_ups.follow_up.2.day_of_form_completion:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
8.00	12.75	14.50	14.75	17.25	23.00	173

patient.follow_ups.follow_up.2.days_to_death:

318	1405	NA's
1	1	183

patient.follow_ups.follow_up.2.days_to_last_followup:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
191.0	536.5	824.0	831.3	1041.5	1590.0	174

patient.follow_ups.follow_up.2.lost_follow_up:

no NA's
12 173

patient.follow_ups.follow_up.2.month_of_form_completion:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
3.000	5.750	10.500	8.583	11.000	12.000	173

patient.follow_ups.follow_up.2.new_tumor_events.new_tumor_event_after_initial_tr

no NA's
11 174

patient.follow_ups.follow_up.2.person_neoplasm_cancer_status:

tumor free	with tumor	NA's
8	1	176

patient.follow_ups.follow_up.2.postoperative_rx_tx:

no	yes	NA's
8	4	173

patient.follow_ups.follow_up.2.primary_therapy_outcome_success:

complete remission/response	progressive disease	NA's
9	3	

173

patient.follow_ups.follow_up.2.radiation_therapy:

no	yes	NA's
8	4	173

patient.follow_ups.follow_up.2.vital_status:

alive	dead	NA's
10	2	173

patient.follow_ups.follow_up.2.year_of_form_completion:

2014	2015	NA's
10	2	173

patient.follow_ups.follow_up.3.additional_treatment_completion_success_outcome:

complete	response	NA's
3		182

patient.follow_ups.follow_up.3.bcr_followup_barcode:

tcga-vr-a8eo-f72384	tcga-vr-a8ey-f70874	tcga-vr-aa4g-f68749	NA's
1	1	1	182

patient.follow_ups.follow_up.3.bcr_followup_uuid:

3c306ef8-9cfa-4da9-a86d-f0c302e196d2	6ce0ba7e-2efc-470e-95b6-0aled25cce62	1	1
e10208db-9912-4dcf-9549-32a1c4d3a548		1	NA's
			182

patient.follow_ups.follow_up.3.day_of_form_completion:

10	11	15	NA's
1	1	1	182

patient.follow_ups.follow_up.3.days_to_last_followup:

549	785	1025	NA's
1	1	1	182

patient.follow_ups.follow_up.3.lost_follow_up:

no	NA's
3	182

patient.follow_ups.follow_up.3.month_of_form_completion:

3	6	12	NA's
1	1	1	182

patient.follow_ups.follow_up.3.new_tumor_events.new_tumor_event_after_initial_tr

no	NA's
3	182

patient.follow_ups.follow_up.3.person_neoplasm_cancer_status:

tumor	free	NA's
3		182

patient.follow_ups.follow_up.3.postoperative_rx_tx:

no NA's
3 182

patient.follow_ups.follow_up.3.primary_therapy_outcome_success:

complete remission/response NA's
3 182

patient.follow_ups.follow_up.3.radiation_therapy:

no yes NA's
2 1 182

patient.follow_ups.follow_up.3.vital_status:

alive NA's
3 182

patient.follow_ups.follow_up.3.year_of_form_completion:

2014 2015 NA's
1 2 182

patient.follow_ups.follow_up.4.additional_treatment_completion_success_outcome:

complete response NA's
1 184

patient.follow_ups.follow_up.4.bcr_followup_barcode:

tcga-vr-a8ey-f72386 NA's
1 184

patient.follow_ups.follow_up.4.bcr_followup_uuid:

1f5d8381-d3b8-4dd0-b6a9-b2a93553b623 NA's
1 184

patient.follow_ups.follow_up.4.day_of_form_completion:

11 NA's
1 184

patient.follow_ups.follow_up.4.days_to_last_followup:

1025 NA's
1 184

patient.follow_ups.follow_up.4.lost_follow_up:

no NA's
1 184

patient.follow_ups.follow_up.4.month_of_form_completion:

6 NA's
1 184

patient.follow_ups.follow_up.4.new_tumor_events.new_tumor_event_after_initial_tr

no NA's
1 184

patient.follow_ups.follow_up.4.person_neoplasm_cancer_status:
 tumor free NA's
 1 184

patient.follow_ups.follow_up.4.postoperative_rx_tx:
 no NA's
 1 184

patient.follow_ups.follow_up.4.primary_therapy_outcome_success:
 complete remission/response NA's
 1 184

patient.follow_ups.follow_up.4.radiation_therapy:
 no NA's
 1 184

patient.follow_ups.follow_up.4.vital_status:
 alive NA's
 1 184

patient.follow_ups.follow_up.4.year_of_form_completion:
 2015 NA's
 1 184

patient.follow_ups.follow_up.additional_treatment_completion_success_outcome:
 complete response partial response progressive disease stable disease
 78 1 30 5
 NA's
 71

patient.follow_ups.follow_up.day_of_form_completion:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 1.00 15.00 19.00 17.92 22.00 31.00 46

patient.follow_ups.follow_up.days_to_death:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 9.0 143.8 293.0 392.2 564.8 1458.0 155

patient.follow_ups.follow_up.days_to_last_followup:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 11.0 342.5 403.0 564.2 635.5 3714.0 78

patient.follow_ups.follow_up.lost_follow_up:
 no yes NA's
 113 26 46

patient.follow_ups.follow_up.month_of_form_completion:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 1.00 1.00 5.00 6.46 12.00 12.00 46

patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.2.additional_pharm
 no yes NA's
 2 1 182

patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.2.additional_radia
 no NA's
 3 182

patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.2.days_to_new_tumo
 735 NA's
 1 184

patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.2.days_to_new_tumo
 282 548 666 824 NA's
 1 1 1 1 181

patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.2.new_neoplasm_eve
 lung other, specify NA's
 1 2 182

patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.2.new_neoplasm_eve
 distant metastasis locoregional recurrence NA's
 3 1 181

patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.2.new_neoplasm_occ
 brain - right occipital lobe and cerebellum
 1
 colon
 1
 liver
 1
 NA's
 182

patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.2.new_tumor_event_
 no yes NA's
 3 1 181

patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.2.progression_dete
 biopsy with histologic confirmation convincing imaging
 1 3
 NA's
 181

patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.3.additional_pharm
 no NA's
 2 183

patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.3.additional_radia
 yes NA's
 2 183

patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.3.days_to_new_tumor_event
 282 850 1127 NA's
 1 1 1 182

patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.3.new_neoplasm_event
 liver lung other, specify NA's
 1 1 1 182

patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.3.new_neoplasm_event
 distant metastasis NA's
 3 182

patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.3.new_neoplasm_event
 adrenal gland NA's
 1 184

patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.3.new_tumor_event
 no NA's
 3 182

patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.3.progression_detected
 convincing imaging NA's
 3 182

patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.4.additional_pharmaceuticals
 no NA's
 1 184

patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.4.additional_radiation
 yes NA's
 1 184

patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.4.days_to_new_tumor_event
 1011 NA's
 1 184

patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.4.new_neoplasm_event
 other, specify NA's
 1 184

patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.4.new_neoplasm_event
 distant metastasis NA's
 1 184

patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.4.new_neoplasm_event
 thigh NA's
 1 184

patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.4.new_tumor_event
 no NA's
 1 184

patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.4.progression_dete
 biopsy with histologic confirmation NA's
 1 184

patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.additional_pharmac
 no yes NA's
 17 14 154

patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.additional_radiati
 no yes NA's
 17 15 153

patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.days_to_new_tumor_
 542 587 735 882 NA's
 1 1 1 1 181

patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.days_to_new_tumor_
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 25.0 158.0 267.0 291.9 320.0 885.0 148

patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.new_neoplasm_event
 liver lung other, specify NA's
 4 5 9 167

patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.new_neoplasm_event
 distant metastasis locoregional recurrence new primary tumor
 13 22 2
 NA's
 148

patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.new_tumor_event_ad
 no yes NA's
 29 6 150

patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.progression_determ
 biopsy with histologic confirmation convincing imaging
 6 12
 NA's
 167

patient.follow_ups.follow_up.new_tumor_events.new_tumor_event_after_initial_trea
 no yes NA's
 77 37 71

patient.follow_ups.follow_up.person_neoplasm_cancer_status:
 tumor free with tumor NA's
 75 35 75

patient.follow_ups.follow_up.postoperative_rx_tx:
 no yes NA's
 80 31 74

```

patient.follow_ups.follow_up.primary_therapy_outcome_success:
complete remission/response  partial remission/response
                               90                        3
      progressive disease                stable disease
                               9                        7
                               NA's
                               76

```

```

patient.follow_ups.follow_up.radiation_therapy:
no  yes  NA's
73  36   76

```

```

patient.follow_ups.follow_up.vital_status:
alive  dead  NA's
107    30   48

```

```

patient.follow_ups.follow_up.year_of_form_completion:
2012 2013 2014 2015  NA's
  1    10   70   58   46

```

```

patient.frequency_of_alcohol_consumption:
  Min. 1st Qu.  Median    Mean 3rd Qu.  Max.  NA's
 0.000  0.000   3.000   3.673  7.000   7.000  72

```

```

patient.gender:
female  male
  27    158

```

```

patient.goblet_cells_present:
no  yes  NA's
16  4   165

```

```

patient.h_pylori_infection:
current  never  NA's
  1       74   110

```

```

patient.height:
  Min. 1st Qu.  Median    Mean 3rd Qu.  Max.  NA's
150.0  167.0   173.0   172.1  178.0   197.0  10

```

```

patient.history_of_esophageal_cancer:
no  yes  NA's
134 12   39

```

```

patient.history_of_neoadjuvant_treatment:
no
185

```

```

patient.icd_10:
c15.3 c15.4 c15.5 c15.9 c16.0
  5    42   124   12    2

```

patient.informed_consent_verified:

yes

185

patient.initial_diagnosis_by:

screening	surveillance	symptomatic	NA's
10	3	137	35

patient.month_of_form_completion:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.
1.000	2.000	3.000	4.865	8.000	12.000

patient.new_tumor_events.new_tumor_event.2.additional_pharmaceutical_therapy:

no	yes	NA's
10	1	174

patient.new_tumor_events.new_tumor_event.2.additional_radiation_therapy:

no	yes	NA's
10	1	174

patient.new_tumor_events.new_tumor_event.2.days_to_new_tumor_event_additional_surgery:

735	NA's
1	184

patient.new_tumor_events.new_tumor_event.2.days_to_new_tumor_event_after_initial_surgery:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
112.0	242.0	666.0	608.4	824.0	1344.0	172

patient.new_tumor_events.new_tumor_event.2.new_neoplasm_event_type:

distant metastasis	NA's
13	172

patient.new_tumor_events.new_tumor_event.2.new_neoplasm_occurrence_anatomic_site:

colon	lymph node	stomach	NA's
1	2	1	181

patient.new_tumor_events.new_tumor_event.2.new_tumor_event_additional_surgery_performed:

no	yes	NA's
12	1	172

patient.new_tumor_events.new_tumor_event.2.progression_determined_by:

biopsy with histologic confirmation	convincing imaging
4	9
NA's	
172	

patient.new_tumor_events.new_tumor_event.3.additional_pharmaceutical_therapy:

no	yes	NA's
----	-----	------

5 1 179

patient.new_tumor_events.new_tumor_event.3.additional_radiation_therapy:

no NA's

6 179

patient.new_tumor_events.new_tumor_event.3.days_to_new_tumor_event_after_initial

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
172.0	302.0	400.0	518.9	812.0	832.0	178

patient.new_tumor_events.new_tumor_event.3.new_neoplasm_event_occurrence_anatomical

liver	other, specify	NA's
5	1	179

5 1 179

patient.new_tumor_events.new_tumor_event.3.new_neoplasm_event_type:

distant metastasis	locoregional	recurrence	NA's
6	1	178	178

6 1 178

patient.new_tumor_events.new_tumor_event.3.new_neoplasm_occurrence_anatomic_site

adrenal NA's

1 184

patient.new_tumor_events.new_tumor_event.3.new_tumor_event_additional_surgery_procedure

no NA's

6 179

patient.new_tumor_events.new_tumor_event.3.progression_determined_by:

biopsy with histologic confirmation	convincing imaging
2	5

2 5

NA's

178

patient.new_tumor_events.new_tumor_event.4.additional_pharmaceutical_therapy:

no NA's

1 184

patient.new_tumor_events.new_tumor_event.4.additional_radiation_therapy:

no NA's

1 184

patient.new_tumor_events.new_tumor_event.4.days_to_new_tumor_event_after_initial

362 NA's

1 184

patient.new_tumor_events.new_tumor_event.4.new_neoplasm_event_occurrence_anatomical

other, specify	NA's
1	184

1 184

patient.new_tumor_events.new_tumor_event.4.new_neoplasm_event_type:

locoregional	recurrence	NA's
1	184	184

1 184

patient.new_tumor_events.new_tumor_event.4.new_neoplasm_occurrence_anatomic_site
 lymph node NA's
 1 184

patient.new_tumor_events.new_tumor_event.4.new_tumor_event_additional_surgery_pr
 no NA's
 1 184

patient.new_tumor_events.new_tumor_event.4.progression_determined_by:
 biopsy with histologic confirmation NA's
 1 184

patient.new_tumor_events.new_tumor_event.additional_pharmaceutical_therapy:
 no yes NA's
 22 11 152

patient.new_tumor_events.new_tumor_event.additional_radiation_therapy:
 no yes NA's
 26 7 152

patient.new_tumor_events.new_tumor_event.days_to_new_tumor_event_additional_surg
 587 735 NA's
 1 1 183

patient.new_tumor_events.new_tumor_event.days_to_new_tumor_event_after_initial_t
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 29.0 161.5 325.0 397.9 498.5 1261.0 142

patient.new_tumor_events.new_tumor_event.new_neoplasm_event_type:
 distant metastasis locoregional recurrence NA's
 29 14 142

patient.new_tumor_events.new_tumor_event.new_tumor_event_additional_surgery_proc
 no yes NA's
 38 2 145

patient.new_tumor_events.new_tumor_event.progression_determined_by:
 biopsy with histologic confirmation convincing imaging
 12 26
 NA's
 147

patient.new_tumor_events.new_tumor_event_after_initial_treatment:
 no yes NA's
 127 43 15

patient.number_of_relatives_diagnosed:
 0 1 2 NA's
 30 9 2 144

patient.number_pack_years_smoked:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1.00	17.62	30.00	34.48	47.25	102.00	87

patient.person_neoplasm_cancer_status:

tumor free	with tumor	NA's
107	66	12

patient.primary_pathology.age_at_initial_pathologic_diagnosis:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.
27.00	54.00	61.00	62.45	72.00	90.00

patient.primary_pathology.columnar_metaplasia_present:

no	yes	NA's
78	32	75

patient.primary_pathology.columnar_mucosa_dysplasia:

high grade dysplasia	low grade dysplasia	negative/no dysplasia
30	6	42
NA's		
107		

patient.primary_pathology.columnar_mucosa_goblet_cell_present:

no	yes	NA's
73	9	103

patient.primary_pathology.days_to_initial_pathologic_diagnosis:

0
185

patient.primary_pathology.eastern_cancer_oncology_group:

0	1	2	3	NA's
13	40	9	3	120

patient.primary_pathology.esophageal_tumor_cental_location:

distal	mid	proximal	NA's
128	50	6	1

patient.primary_pathology.esophageal_tumor_involvement_sites.esophageal_tumor_in

distal	mid	proximal	NA's
125	51	8	1

patient.primary_pathology.esophageal_tumor_involvement_sites.esophageal_tumor_in

distal	mid	NA's
8	2	175

patient.primary_pathology.histological_type:

esophagus adenocarcinoma	nos esophagus squamous cell carcinoma
89	96

```

patient.primary_pathology.initial_pathologic_diagnosis_method:
  endoscopic biopsy other method, specify:    surgical resection
      107                                42                                31
  NA's
      5

```

```

patient.primary_pathology.karnofsky_performance_score:
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.    NA's
 20.00  60.00  80.00  73.82  90.00  100.00   117

```

```

patient.primary_pathology.lymph_node_examined_count:
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.    NA's
  1.00   5.00  12.00  14.47  19.00   87.00   50

```

```

patient.primary_pathology.lymph_node_metastasis_radiographic_evidence:
  no  yes NA's
  95  51  39

```

```

patient.primary_pathology.neoplasm_histologic_grade:
  g1 g2 g3 gx
  19 77 49 40

```

```

patient.primary_pathology.number_of_lymphnodes_positive_by_he:
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.    NA's
  0.000  0.000  1.000  2.526  4.000  21.000   50

```

```

patient.primary_pathology.number_of_lymphnodes_positive_by_ihc:
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.    NA's
  0.0000  0.0000  0.0000  0.3231  0.0000  9.0000   120

```

```

patient.primary_pathology.planned_surgery_status:
  no surgery already performed
      15                                52
  NA's
      113

```

```

patient.primary_pathology.postoperative_rx_tx:
  no  yes NA's
 138  16  31

```

```

patient.primary_pathology.primary_lymph_node_presentation_assessment:
  no  yes NA's
  33 136  16

```

```

patient.primary_pathology.radiation_therapy:
  no  yes NA's
 137  18  30

```

```

patient.primary_pathology.residual_tumor:
  r0  r1  r2  rx NA's
 137  13  2  7  26

```

```

patient.primary_pathology.treatment_prior_to_surgery:
    no treatment radiation and chemotherapy
        53
    NA's
        130

```

```

patient.primary_pathology.tumor_tissue_site:
    esophagus
        185

```

```

patient.primary_pathology.year_of_initial_pathologic_diagnosis:
    Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
    1998 2007 2011 2009 2012 2013 7

```

```

patient.prior_dx:
    no yes
    171 14

```

```

patient.race:
    asian black or african american white
        46 5 114
    NA's
        20

```

```

patient.radiations.radiation.anatomic_treatment_site:
    local recurrence primary tumor field regional site NA's
        3 24 21 137

```

```

patient.radiations.radiation.day_of_form_completion:
    Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
    3.00 15.00 19.00 18.54 22.00 31.00 135

```

```

patient.radiations.radiation.days_to_radiation_therapy_end:
    Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
    56.00 74.75 122.50 135.21 166.75 342.00 137

```

```

patient.radiations.radiation.days_to_radiation_therapy_start:
    Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
    25.00 40.00 92.00 99.63 126.00 342.00 136

```

```

patient.radiations.radiation.measure_of_response:
    complete response partial response
        33 2
    radiographic progressive disease stable disease
        13 1
    NA's
        136

```

```

patient.radiations.radiation.month_of_form_completion:
    Min. 1st Qu. Median Mean 3rd Qu. Max. NA's

```


1.00	1.00	1.00	3.84	8.50	12.00	135
------	------	------	------	------	-------	-----

patient.radiations.radiation.numfractions:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
2.00	20.00	25.00	22.49	25.00	28.00	140

patient.radiations.radiation.radiation_dosage:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
30	45	50	1220	2982	5400	139

patient.radiations.radiation.radiation_treatment_ongoing:

no	yes	NA's
49	1	135

patient.radiations.radiation.radiation_type:

external	NA's
47	138

patient.radiations.radiation.units:

cgy	gy	NA's
12	34	139

patient.radiations.radiation.year_of_form_completion:

2013	2014	2015	NA's
5	15	30	135

patient.reflux_history:

no	yes	NA's
97	57	31

patient.stage_event.system_version:

5th	6th	7th
24	68	93

patient.stage_event.tnm_categories.clinical_categories.clinical_n:

n0	n1	n2	nx	NA's
23	26	3	13	120

patient.stage_event.tnm_categories.pathologic_categories.pathologic_m:

m0	m1	m1a	mx	NA's
136	4	5	18	22

patient.stopped_smoking_year:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1949	1974	1992	1990	2010	2013	116

```

patient.tissue_prospective_collection_indicator:
  no  yes NA's
107  76   2

```

```

patient.tissue_retrospective_collection_indicator:
  no  yes NA's
 76 107   2

```

```

patient.tobacco_smoking_history:
current reformed smoker for < or = 15 years
                                     37
      current reformed smoker for > 15 years
                                     36
                current smoker
                                     37
                lifelong non-smoker
                                     56
                                     NA's
                                     19

```

```

patient.vital_status:
alive  dead
128    57

```

```

patient.weight:
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.    NA's
46.00  62.00   72.00   75.04  84.50  193.00    2

```

```

patient.year_of_form_completion:
2012 2013 2014 2015
  6   75   99   5

```

```

patient.microsatellite_instability_test_results.microsatellite_instability_test_
msi-h msi-l  mss  NA's
  2   18   69   96

```

```

patient.bcr_canonical_check.bcr_patient_canonical_reasons.bcr_canonical_reason:
  case matched expression control      case matched methylation control
                                     12                                     5
                germline comparison primary tumor and metastatic tumor(s)
                                     2                                     1
                                     NA's
                                     165

```

```

patient.bcr_canonical_check.bcr_patient_canonical_reasons.bcr_canonical_reason.2
case matched methylation control      NA's
                                     10                                     175

```

```

patient.bcr_canonical_check.bcr_patient_canonical_reasons.bcr_canonical_reason.3

```

```

germline comparison                NA's
              4                    181

patient.bcr_canonical_check.bcr_patient_canonical_status:
      canonical canonical - plus
              165                20

patient.biospecimen_cqcf.consent_or_death_status:
consented deceased
              163                22

patient.biospecimen_cqcf.days_to_pathology_review:
  Min. 1st Qu.  Median    Mean 3rd Qu.  Max.  NA's
   9.0   73.0   390.5 1257.8 2027.8 5461.0    7

patient.biospecimen_cqcf.days_to_sample_procurement:
  Min. 1st Qu.  Median    Mean 3rd Qu.  Max.  NA's
-13.00   0.00   5.50   25.29  42.75 336.00    7

patient.biospecimen_cqcf.digital_image_submitted:
no NA's
  6 179

patient.biospecimen_cqcf.ethnicity:
  hispanic or latino not hispanic or latino
                        4                    61
                        NA's
                        120

patient.biospecimen_cqcf.histological_type:
  esophagus adenocarcinoma nos esophagus squamous cell carcinoma
                        89                    96

patient.biospecimen_cqcf.history_of_neoadjuvant_treatment:
no
185

patient.biospecimen_cqcf.method_of_sample_procurement:
  endoscopic biopsy endoscopic mucosal resection
                        23                    1
  surgical resection
                        161

patient.biospecimen_cqcf.normal_controls.normal_control.2.days_to_normal_sample:
  Min. 1st Qu.  Median    Mean 3rd Qu.  Max.  NA's
   0.00   7.75   33.00   34.83   53.00   84.00   179

patient.biospecimen_cqcf.normal_controls.normal_control.2.method_of_normal_sample:
  blood draw other method (please specify)
                        4                    1
  surgical resection
                        3                    NA's
                        177

```

```

patient.biospecimen_cqcf.normal_controls.normal_control.2.normal_tissue.normal_t
esophageal; distal          other          NA's
                        1                3                181

```

```

patient.biospecimen_cqcf.normal_controls.normal_control.2.normal_tissue.normal_t
distal (>2cm)              NA's
                        3                182

```

```

patient.biospecimen_cqcf.normal_controls.normal_control.2.vial_number:
  1    2 NA's
10    2 173

```

```

patient.biospecimen_cqcf.normal_controls.normal_control.3.bcr_sample_uuid:
6c56860f-48ff-47a9-a2c2-583ec966d2f6          NA's
                        1                        184

```

```

patient.biospecimen_cqcf.normal_controls.normal_control.3.extracted_dna.ncedna_d
0.12795    NA's
          1    184

```

```

patient.biospecimen_cqcf.normal_controls.normal_control.3.extracted_dna.ncedna_d
nanodrop    NA's
          1    184

```

```

patient.biospecimen_cqcf.normal_controls.normal_control.3.extracted_dna.ncedna_d
19.1925    NA's
          1    184

```

```

patient.biospecimen_cqcf.normal_controls.normal_control.3.extracted_dna.ncedna_d
150 NA's
   1 184

```

```

patient.biospecimen_cqcf.normal_controls.normal_control.3.vial_number:
  2 NA's
  1 184

```

```

patient.biospecimen_cqcf.normal_controls.normal_control.days_to_normal_sample_pr
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.    NA's
-18.00  0.00    4.00   53.42  43.00 1529.00     7

```

```

patient.biospecimen_cqcf.normal_controls.normal_control.extracted_dna.ncedna_dna
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.    NA's
 0.1250  0.2092  0.3372  29.8080  0.7875 216.0000    155

```

```

patient.biospecimen_cqcf.normal_controls.normal_control.extracted_dna.ncedna_dna
 nano drop    nanodrop salting-out    NA's
          13          15          2          155

```

```

patient.biospecimen_cqcf.normal_controls.normal_control.extracted_dna.ncedna_dna
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.    NA's

```

```

15.00  15.00  15.00  23.87  15.10  147.00  155
patient.biospecimen_cqcf.normal_controls.normal_control.extracted_dna.ncedna_dna
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.   NA's
14.30  36.83   66.50   69.39  93.75  150.00   155
patient.biospecimen_cqcf.normal_controls.normal_control.method_of_normal_sample_
      blood draw other method (please specify)
              123                                1
      surgical resection
              61
patient.biospecimen_cqcf.normal_controls.normal_control.normal_tissue.normal_tis
esophageal; distal                other                NA's
              2                        60                123
patient.biospecimen_cqcf.normal_controls.normal_control.normal_tissue.normal_tis
distal (>2cm)                NA's
              61                124
patient.biospecimen_cqcf.normal_controls.normal_control.vial_number:
  1
185
patient.biospecimen_cqcf.path_confirm_diagnosis_matching:
yes
185
patient.biospecimen_cqcf.path_confirm_report_attached:
yes
185
patient.biospecimen_cqcf.path_confirm_tumor_necrosis_metrics:
yes
185
patient.biospecimen_cqcf.path_confirm_tumor_nuclei_metrics:
no yes
  1 184
patient.biospecimen_cqcf.race:
      asian black or african american                white
              25                                5                74
      NA's
              81
patient.biospecimen_cqcf.reason_path_confirm_diagnosis_not_matching:
pathology analysis at tss determined a specific histological subtype different f

```

patient.biospecimen_cqcf.sample_prescreened:

no yes
13 172

patient.biospecimen_cqcf.site_of_disease:

esophagus NA's
175 10

patient.biospecimen_cqcf.site_of_disease_description:

distal middle proximal NA's
126 43 6 10

patient.biospecimen_cqcf.submitted_for_lce:

no yes
176 9

patient.biospecimen_cqcf.top_slide_submitted:

yes NA's
6 179

patient.biospecimen_cqcf.tumor_samples.tumor_sample.2.tumor_necrosis_percent:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0.000	0.000	5.000	6.071	10.000	20.000	171

patient.biospecimen_cqcf.tumor_samples.tumor_sample.2.tumor_nuclei_percent:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
60.00	62.50	70.00	72.14	80.00	90.00	171

patient.biospecimen_cqcf.tumor_samples.tumor_sample.2.tumor_weight:

5	50	100	400	NA's
11	1	1	1	171

patient.biospecimen_cqcf.tumor_samples.tumor_sample.2.vial_number:

1	2	NA's
1	13	171

patient.biospecimen_cqcf.tumor_samples.tumor_sample.3.bcr_sample_uuid:

bb3b0ddf-9896-4a64-b59a-5a545383cbf0	e4fd9fd5-f75f-4b63-9c84-13887bb13682	NA's
1	1	183

patient.biospecimen_cqcf.tumor_samples.tumor_sample.3.tumor_necrosis_percent:

0	10	NA's
1	1	183

patient.biospecimen_cqcf.tumor_samples.tumor_sample.3.tumor_nuclei_percent:

60	NA's
2	183

patient.biospecimen_cqcf.tumor_samples.tumor_sample.3.tumor_weight:

```

100 500 NA's
  1  1 183

patient.biospecimen_cqcf.tumor_samples.tumor_sample.3.vial_number:
  1 NA's
  2 183

patient.biospecimen_cqcf.tumor_samples.tumor_sample.tumor_necrosis_percent:
  Min. 1st Qu.  Median    Mean 3rd Qu.  Max.
0.000  0.000   0.000   1.908  0.000  20.000

patient.biospecimen_cqcf.tumor_samples.tumor_sample.tumor_nuclei_percent:
  Min. 1st Qu.  Median    Mean 3rd Qu.  Max.
40.00  60.00   70.00   72.68  80.00  100.00

patient.biospecimen_cqcf.tumor_samples.tumor_sample.tumor_weight:
  Min. 1st Qu.  Median    Mean 3rd Qu.  Max.
   5     97    150    273   350   3344

patient.biospecimen_cqcf.tumor_samples.tumor_sample.vial_number:
  1
185

patient.biospecimen_cqcf.vessel_used:
biospecimen storage bag      cassette      cryomold
                        40                      19                      13
                        cryovial
                        113

patient.days_to_index:
  0 NA's
178  7

patient.samples.sample.2.bcr_biospecimen_canonical_reasons.bcr_canonical_reason:
primary tumor and metastatic tumor(s)      NA's
                        1                      184

patient.samples.sample.2.days_to_collection:
  Min. 1st Qu.  Median    Mean 3rd Qu.  Max.  NA's
  62.0  181.8   551.0  1356.9  2063.2  5481.0  7

patient.samples.sample.2.diagnostic_slides.ffpe_slide_uuid:
044c13b6-a5d9-4dbb-bd0c-b392bb8a46d5      NA's
                        1                      184

patient.samples.sample.2.diagnostic_slides.ffpe_slide_uuid.2:
54636905-0758-440e-843e-f8c3af64f7e1      NA's
                        1                      184

```

```

patient.samples.sample.2.initial_weight:
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.   NA's
  20.0  100.0   120.0   137.7  162.5   320.0   125

patient.samples.sample.2.is_ffpe:
  no
185

patient.samples.sample.2.oct_embedded:
  false true
  155    30

patient.samples.sample.2.pathology_report_file_name:
  tcga-v5-a7rc.8d80b81b-b363-4971-ae00-e357fbc6aef9.pdf
  1
  NA's
  184

patient.samples.sample.2.pathology_report_uuid:
  8d80b81b-b363-4971-ae00-e357fbc6aef9
  1
  NA's
  184

patient.samples.sample.2.portions.portion.analytes.analyte.2.a260_a280_ratio:
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.   NA's
  1.780  1.830   1.830   1.854  1.870   1.980   176

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.2.
  13 NA's
  9 176

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.2.
  0.15 0.16 0.17 0.18 NA's
  2  2  4  1 176

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.2.
  12 14 30 NA's
  1  1  7 176

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.2.
  no NA's
  9 176

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.2.
  1  5 11 NA's
  7  1  1 176

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.2.
  1  2  3 NA's
  2  4  3 176

```


patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.2.
a241 a261 a407 NA's

1 7 1 176

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.2.

b c f h NA's

2 1 3 3 176

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.2.

0 NA's

9 176

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.2.

23 NA's

9 176

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.2.

0 NA's

9 176

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.2.

2012 2013 2014 NA's

1 7 1 176

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.bi

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
132158045	132269707	164054266	156474147	167802632	174166142	8

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.ce

9 31 NA's

168 9 8

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.co

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0.1500	0.5000	0.5000	0.4829	0.5000	0.5000	8

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.da

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
8.00	8.00	8.00	14.07	26.00	30.00	8

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.is

no NA's

177 8

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.mo

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1.000	2.000	7.000	5.401	7.000	11.000	8

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.pl

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
------	---------	--------	------	---------	------	------

1.000 4.000 5.000 5.469 7.000 10.000 8

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.qu

Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
3.00 40.00 40.00 38.13 40.00 40.00 8

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.sc

23 NA's
177 8

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.vo

20 80 NA's
9 168 8

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.ye

2012 2013 2014 NA's
1 72 104 8

patient.samples.sample.2.portions.portion.analytes.analyte.2.amount:

Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
7.50 19.85 32.04 37.03 50.24 81.56 176

patient.samples.sample.2.portions.portion.analytes.analyte.2.analyte_type:

repli-g (qiagen) dna rna NA's
168 9 8

patient.samples.sample.2.portions.portion.analytes.analyte.2.analyte_type_id:

r w NA's
9 168 8

patient.samples.sample.2.portions.portion.analytes.analyte.2.concentration:

0.15 0.16 0.17 0.18 NA's
2 2 4 1 176

patient.samples.sample.2.portions.portion.analytes.analyte.2.dna.normal_tumor_ge

yes NA's
168 17

patient.samples.sample.2.portions.portion.analytes.analyte.2.dna.pcr_amplificati

yes NA's
168 17

patient.samples.sample.2.portions.portion.analytes.analyte.2.gel_image_file:

<https://sharedoc.nchri.org/tcga-bcr/default.aspx>
177
NA's
8

```

patient.samples.sample.2.portions.portion.analytes.analyte.2.is_derived_from_ffp
no NA's
177 8

patient.samples.sample.2.portions.portion.analytes.analyte.2.protocols.protocol.
mirvana (allprep dna) rna repli-g NA's
9 168 8

patient.samples.sample.2.portions.portion.analytes.analyte.2.rna.ratio_28s_18s:
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
0.980 1.100 1.130 1.229 1.360 1.620 176

patient.samples.sample.2.portions.portion.analytes.analyte.2.rna.rinvalue:
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
7.000 7.000 7.100 7.411 7.600 8.900 176

patient.samples.sample.2.portions.portion.analytes.analyte.2.spectrophotometer_m
uv spec NA's
9 176

patient.samples.sample.2.portions.portion.analytes.analyte.2.subportion_sequence
1 2 3 NA's
53 7 1 124

patient.samples.sample.2.portions.portion.analytes.analyte.3.aliquots.aliquot.bi
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
132178930 132269545 132269705 132258296 132269732 132269742 177

patient.samples.sample.2.portions.portion.analytes.analyte.3.aliquots.aliquot.ce
9 NA's
8 177

patient.samples.sample.2.portions.portion.analytes.analyte.3.aliquots.aliquot.co
0.5 NA's
8 177

patient.samples.sample.2.portions.portion.analytes.analyte.3.aliquots.aliquot.da
8 30 NA's
7 1 177

patient.samples.sample.2.portions.portion.analytes.analyte.3.aliquots.aliquot.is
no NA's
8 177

patient.samples.sample.2.portions.portion.analytes.analyte.3.aliquots.aliquot.mo
1 5 NA's
1 7 177

patient.samples.sample.2.portions.portion.analytes.analyte.3.aliquots.aliquot.pl
4 7 8 NA's

```

1 4 3 177

patient.samples.sample.2.portions.portion.analytes.analyte.3.aliquots.aliquot.pl
a25i a295 NA's

1 7 177

patient.samples.sample.2.portions.portion.analytes.analyte.3.aliquots.aliquot.qu

40 NA's

8 177

patient.samples.sample.2.portions.portion.analytes.analyte.3.aliquots.aliquot.so

23 NA's

8 177

patient.samples.sample.2.portions.portion.analytes.analyte.3.aliquots.aliquot.vo

80 NA's

8 177

patient.samples.sample.2.portions.portion.analytes.analyte.3.aliquots.aliquot.ye

2013 NA's

8 177

patient.samples.sample.2.portions.portion.analytes.analyte.3.analyte_type:

repli-g (qiagen) dna NA's

8 177

patient.samples.sample.2.portions.portion.analytes.analyte.3.analyte_type_id:

w NA's

8 177

patient.samples.sample.2.portions.portion.analytes.analyte.3.dna.normal_tumor_ge

yes NA's

8 177

patient.samples.sample.2.portions.portion.analytes.analyte.3.dna.pcr_amplificati

yes NA's

8 177

patient.samples.sample.2.portions.portion.analytes.analyte.3.gel_image_file:

<https://sharedoc.nchri.org/tcga-bcr/default.aspx>

8

NA's

177

patient.samples.sample.2.portions.portion.analytes.analyte.3.is_derived_from_ffp

no NA's

8 177

patient.samples.sample.2.portions.portion.analytes.analyte.3.protocols.protocol.

repli-g NA's
 8 177

patient.samples.sample.2.portions.portion.analytes.analyte.3.subportion_sequence
 1 2 NA's
 3 5 177

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.2.bi
 Min. 1st Qu. Median Mean 3rd Qu. Max.
 128923807 132270931 153889148 151139902 164053928 167780533

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.2.ce
 1 5 9 26
 7 10 153 15

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.2.co
 Min. 1st Qu. Median Mean 3rd Qu. Max.
 0.07000 0.08000 0.08000 0.09151 0.08000 0.17000

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.2.da
 Min. 1st Qu. Median Mean 3rd Qu. Max.
 7.00 16.00 26.00 21.99 29.00 30.00

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.2.is
 no
 185

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.2.mo
 Min. 1st Qu. Median Mean 3rd Qu. Max.
 1.000 1.000 3.000 4.762 10.000 12.000

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.2.pl
 Min. 1st Qu. Median Mean 3rd Qu. Max.
 1.00 4.00 5.00 5.67 7.00 12.00

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.2.qu
 Min. 1st Qu. Median Mean 3rd Qu. Max.
 0.940 2.800 3.200 2.857 3.200 3.600

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.2.so
 23
 185

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.2.vo
 6.7 10 13 40
 7 15 10 153

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.2.ye

2012 2013 2014
20 83 82

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.3.bi
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
128923797 132271282 145676591 146727310 164053277 167780454 63

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.3.ce
5 9 26 NA's
1 23 98 63

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.3.co
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
0.0700 0.1400 0.1500 0.1402 0.1600 0.1700 63

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.3.da
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
7.00 16.00 24.00 20.57 26.00 30.00 63

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.3.is
no NA's
122 63

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.3.mo
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
1.000 2.000 4.000 5.607 10.000 12.000 63

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.3.pl
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
2.000 4.000 6.000 6.426 9.000 12.000 63

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.3.qu
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
1.010 1.500 1.600 1.835 1.700 3.600 63

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.3.so
23 NA's
122 63

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.3.vo
6.7 10 40 NA's
1 98 23 63

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.3.ye
2012 2013 2014 NA's
20 69 33 63

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.4.bi
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 128923781 128924843 128925012 140498484 158908578 167788091 171

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.4.ce
 1 5 9 NA's
 4 1 9 171

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.4.co
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 0.0700 0.0800 0.0850 0.1057 0.1475 0.1700 171

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.4.da
 12 14 25 NA's
 1 4 9 171

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.4.is
 no NA's
 14 171

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.4.mo
 3 5 11 NA's
 9 4 1 171

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.4.pl
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 1.000 2.000 3.500 5.143 9.000 12.000 171

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.4.pl
 a249 a27g a40c NA's
 1 9 4 171

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.4.qu
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 0.940 1.343 3.000 2.489 3.200 3.600 171

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.4.so
 23 NA's
 14 171

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.4.vo
 6.7 13 40 NA's
 4 1 9 171

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.4.ye
 2012 2013 2014 NA's
 1 9 4 171

```
patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.bios
  Min. 1st Qu.  Median      Mean 3rd Qu.    Max.
128924393 132272360 153889141 151156137 164054012 167780538
```

```
patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.cent
  1 26
178 7
```

```
patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.conc
0.14 0.15 0.16 0.17
  29 53 64 39
```

```
patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.day_
  Min. 1st Qu.  Median      Mean 3rd Qu.    Max.
  6.00  17.00  26.00  22.02  29.00  30.00
```

```
patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.is_d
no
185
```

```
patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.mont
  Min. 1st Qu.  Median      Mean 3rd Qu.    Max.
  1.000  1.000  2.000  4.114  7.000  11.000
```

```
patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.plat
  Min. 1st Qu.  Median      Mean 3rd Qu.    Max.
  1.000  4.000  5.000  5.459  7.000  10.000
```

```
patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.quant
  Min. 1st Qu.  Median      Mean 3rd Qu.    Max.
  0.940  1.010  1.070  1.066  1.070  1.600
```

```
patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.sour
23
185
```

```
patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.volu
6.7 10
178 7
```

```
patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.year
2012 2013 2014
  20 73 92
```

```
patient.samples.sample.2.portions.portion.analytes.analyte.amount:
  Min. 1st Qu.  Median      Mean 3rd Qu.    Max.
  4.02  13.43  21.97  31.48  41.87  227.42
```

```
patient.samples.sample.2.portions.portion.analytes.analyte.analyte_type:
dna
```


185

patient.samples.sample.2.portions.portion.analytes.analyte.analyte_type_id:
 d
 185

patient.samples.sample.2.portions.portion.analytes.analyte.concentration:
 0.14 0.15 0.16 0.17
 29 53 64 39

patient.samples.sample.2.portions.portion.analytes.analyte.dna.normal_tumor_genotype:
 yes
 185

patient.samples.sample.2.portions.portion.analytes.analyte.dna.pcr_amplification:
 yes
 185

patient.samples.sample.2.portions.portion.analytes.analyte.gel_image_file:
<https://sharedoc.nchri.org/tcga-bcr/default.aspx>
 185

patient.samples.sample.2.portions.portion.analytes.analyte.is_derived_from_ffpe:
 no
 185

patient.samples.sample.2.portions.portion.analytes.analyte.protocols.protocol.extra_data:
 adna preparation type pre-extracted dna received by tss
 155 30

patient.samples.sample.2.portions.portion.analytes.analyte.spectrophotometer_measurement:
 picogreen
 185

patient.samples.sample.2.portions.portion.analytes.analyte.subportion_sequence:
 1 2 3 NA's
 53 7 1 124

patient.samples.sample.2.portions.portion.day_of_creation:
 Min. 1st Qu. Median Mean 3rd Qu. Max.
 1.00 6.00 13.00 13.59 21.00 31.00

patient.samples.sample.2.portions.portion.is_ffpe:
 no
 185

patient.samples.sample.2.portions.portion.month_of_creation:
 Min. 1st Qu. Median Mean 3rd Qu. Max.

1.000 5.000 9.000 8.059 12.000 12.000

patient.samples.sample.2.portions.portion.portion_number:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.
1.000	1.000	1.000	4.622	11.000	21.000

patient.samples.sample.2.portions.portion.portion_sequence:

1	2	NA's
117	6	62

patient.samples.sample.2.portions.portion.slides.slide.is_derived_from_ffpe:

no NA's
60 125

patient.samples.sample.2.portions.portion.slides.slide.percent_lymphocyte_infiltration:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0.000	0.000	2.000	5.767	5.000	40.000	125

patient.samples.sample.2.portions.portion.slides.slide.percent_monocyte_infiltration:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0.000	0.000	0.000	1.517	0.000	20.000	125

patient.samples.sample.2.portions.portion.slides.slide.percent_necrosis:

0 3 NA's
59 1 125

patient.samples.sample.2.portions.portion.slides.slide.percent_neutrophil_infiltration:

0 1 3 20 NA's
51 4 1 4 125

patient.samples.sample.2.portions.portion.slides.slide.percent_normal_cells:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0.0	95.0	100.0	88.5	100.0	100.0	125

patient.samples.sample.2.portions.portion.slides.slide.percent_stromal_cells:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0.00	0.00	0.00	11.08	5.00	85.00	125

patient.samples.sample.2.portions.portion.slides.slide.percent_tumor_cells:

0 22 NA's
59 1 125

patient.samples.sample.2.portions.portion.slides.slide.percent_tumor_nuclei:

0 60 NA's
59 1 125

patient.samples.sample.2.portions.portion.slides.slide.section_location:

top NA's
60 125

patient.samples.sample.2.portions.portion.weight:

2	10	20	30	NA's
95	1	1	58	30

patient.samples.sample.2.portions.portion.year_of_creation:

2012	2013	2014
57	94	34

patient.samples.sample.2.sample_type:

blood derived normal	metastatic	solid tissue normal
125	1	59

patient.samples.sample.2.sample_type_id:

6	10	11
1	125	59

patient.samples.sample.2.vial_number:

a	b
181	4

patient.samples.sample.3.bcr_biospecimen_canonical_reasons.bcr_canonical_reason:

germline comparison	NA's
4	181

patient.samples.sample.3.days_to_collection:

104	113	241	447	NA's
1	1	1	1	181

patient.samples.sample.3.initial_weight:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
5.0	27.5	105.0	124.2	160.0	350.0	179

patient.samples.sample.3.is_ffpe:

no NA's
7 178

patient.samples.sample.3.oct_embedded:

false	true	NA's
3	4	178

patient.samples.sample.3.portions.portion.analytes.analyte.2.a260_a280_ratio:

1.74	1.84	1.89	1.96	NA's
1	1	1	2	180

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.2.

case matched expression control	NA's
3	182

```

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.2.
160340562      NA's
      1      184

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.2.
  13  31 NA's
   4   1 180

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.2.
0.16 0.18 NA's
   1   4 180

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.2.
  12  16  18  26 NA's
   1   2   1   1 180

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.2.
no NA's
   5 180

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.2.
   3  10  11  12 NA's
   1   2   1   1 180

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.2.
   1   2   3 NA's
   2   1   2 180

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.2.
a24l a337 a354 a38e NA's
   1   2   1   1 180

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.2.
   0  3.2 NA's
   4   1 180

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.2.
  23 NA's
   5 180

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.2.
   0  20 NA's
   4   1 180

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.2.
2012 2013 2014 NA's
   1   3   1 180

```

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.bi
 case matched expression control NA's
 3 182

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.bi
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 132178882 132254349 153889448 147263633 153889450 164106036 180

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.ce
 9 13 31 NA's
 1 1 4 179

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.co
 0.16 0.18 0.5 NA's
 1 4 1 179

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.da
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 12.00 16.00 17.00 19.67 24.00 30.00 179

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.is
 no NA's
 6 179

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.mo
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 1.000 4.750 10.000 7.833 10.750 12.000 179

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.pl
 1 2 3 6 NA's
 2 1 2 1 179

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.qu
 0 3.6 40 NA's
 1 4 1 179

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.so
 23 NA's
 6 179

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.vo
 0 20 80 NA's
 1 4 1 179

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.ye
 2012 2013 2014 NA's
 1 4 1 179

patient.samples.sample.3.portions.portion.analytes.analyte.2.amount:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's

5.13 7.07 9.34 17.69 33.12 33.78 180

patient.samples.sample.3.portions.portion.analytes.analyte.2.analyte_type:
 repli-g (qiagen) dna rna NA's
 1 5 179

patient.samples.sample.3.portions.portion.analytes.analyte.2.analyte_type_id:
 r w NA's
 5 1 179

patient.samples.sample.3.portions.portion.analytes.analyte.2.concentration:
 0.16 0.18 NA's
 1 4 180

patient.samples.sample.3.portions.portion.analytes.analyte.2.dna.normal_tumor_ge
 yes NA's
 1 184

patient.samples.sample.3.portions.portion.analytes.analyte.2.dna.pcr_amplificati
 yes NA's
 1 184

patient.samples.sample.3.portions.portion.analytes.analyte.2.gel_image_file:
<https://sharedoc.nchri.org/tcga-bcr/default.aspx>
 6
 NA's
 179

patient.samples.sample.3.portions.portion.analytes.analyte.2.is_derived_from_ffp
 no NA's
 6 179

patient.samples.sample.3.portions.portion.analytes.analyte.2.protocols.protocol.
 mirvana (allprep dna) rna repli-g NA's
 5 1 179

patient.samples.sample.3.portions.portion.analytes.analyte.2.rna.ratio_28s_18s:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 1.250 1.300 1.620 1.556 1.800 1.810 180

patient.samples.sample.3.portions.portion.analytes.analyte.2.rna.rinvalue:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 7.50 8.20 8.30 8.34 8.70 9.00 180

patient.samples.sample.3.portions.portion.analytes.analyte.2.spectrophotometer_m
 uv spec NA's
 5 180

patient.samples.sample.3.portions.portion.analytes.analyte.2.subportion_sequence
 1 2 NA's

5 1 179

patient.samples.sample.3.portions.portion.analytes.analyte.3.aliquots.aliquot.bi

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
132178938	164054046	164054057	159178727	167802666	167803926	180

patient.samples.sample.3.portions.portion.analytes.analyte.3.aliquots.aliquot.ce

9 NA's
5 180

patient.samples.sample.3.portions.portion.analytes.analyte.3.aliquots.aliquot.co

0.5 NA's
5 180

patient.samples.sample.3.portions.portion.analytes.analyte.3.aliquots.aliquot.da

8 26 30 NA's
2 2 1 180

patient.samples.sample.3.portions.portion.analytes.analyte.3.aliquots.aliquot.is

no NA's
5 180

patient.samples.sample.3.portions.portion.analytes.analyte.3.aliquots.aliquot.mo

1 2 7 NA's
1 2 2 180

patient.samples.sample.3.portions.portion.analytes.analyte.3.aliquots.aliquot.pl

3 6 7 NA's
1 1 3 180

patient.samples.sample.3.portions.portion.analytes.analyte.3.aliquots.aliquot.pl

a25i a36t a43y a44r NA's
1 2 1 1 180

patient.samples.sample.3.portions.portion.analytes.analyte.3.aliquots.aliquot.pl

d e f g NA's
1 2 1 1 180

patient.samples.sample.3.portions.portion.analytes.analyte.3.aliquots.aliquot.qu

40 NA's
5 180

patient.samples.sample.3.portions.portion.analytes.analyte.3.aliquots.aliquot.so

23 NA's
5 180

patient.samples.sample.3.portions.portion.analytes.analyte.3.aliquots.aliquot.vo

80 NA's
5 180

patient.samples.sample.3.portions.portion.analytes.analyte.3.aliquots.aliquot.ye
 2013 2014 NA's
 1 4 180

patient.samples.sample.3.portions.portion.analytes.analyte.3.analyte_type:
 repli-g (qiagen) dna NA's
 5 180

patient.samples.sample.3.portions.portion.analytes.analyte.3.analyte_type_id:
 w NA's
 5 180

patient.samples.sample.3.portions.portion.analytes.analyte.3.dna.normal_tumor_ge
 yes NA's
 5 180

patient.samples.sample.3.portions.portion.analytes.analyte.3.dna.pcr_amplificati
 yes NA's
 5 180

patient.samples.sample.3.portions.portion.analytes.analyte.3.gel_image_file:
<https://sharedoc.nchri.org/tcga-bcr/default.aspx>
 5
 NA's
 180

patient.samples.sample.3.portions.portion.analytes.analyte.3.is_derived_from_ffp
 no NA's
 5 180

patient.samples.sample.3.portions.portion.analytes.analyte.3.protocols.protocol.
 repli-g NA's
 5 180

patient.samples.sample.3.portions.portion.analytes.analyte.3.subportion_sequence
 1 2 NA's
 4 1 180

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.2.bi
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 132270979 143076068 153881033 152068731 162198231 167780506 178

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.2.ce
 9 NA's
 7 178

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.2.co
 0.07 0.08 NA's

3 4 178

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.2.da

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
7.00	10.50	16.00	14.86	17.00	26.00	178

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.2.is

no NA's
7 178

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.2.mo

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
3.000	7.500	10.000	8.857	11.000	12.000	178

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.2.pl

3	5	6	7	NA's
1	1	2	3	178

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.2.pl

d	e	f	g	NA's
1	3	1	2	178

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.2.qu

1.4	2.8	3.2	NA's
1	2	4	178

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.2.so

23 NA's
7 178

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.2.vo

20	40	NA's
1	6	178

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.2.ye

2012	2013	2014	NA's
2	3	2	178

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.3.bo

case matched methylation control	NA's
3	182

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.3.bi

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
132270095	139288156	160348040	151608124	160356230	164055414	179

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.3.ce

5	26	NA's
4	2	179

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.3.co
 0.14 0.15 0.16 NA's
 1 2 3 179

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.3.da
 7 16 18 26 NA's
 2 2 1 1 179

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.3.is
 no NA's
 6 179

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.3.mo
 3 10 11 12 NA's
 1 2 2 1 179

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.3.pl
 3 6 7 NA's
 1 2 3 179

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.3.pl
 a248 a33f a357 a388 NA's
 2 2 1 1 179

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.3.pl
 d e f g NA's
 1 2 1 2 179

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.3.qu
 0.98 1.6 1.95 2.08 NA's
 1 2 2 1 179

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.3.so
 23 NA's
 6 179

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.3.vo
 7 10 13 NA's
 1 2 3 179

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.3.ye
 2012 2013 2014 NA's
 2 3 1 179

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.4.bo
 tcga-ig-a3i8-11a-11d-a249-05 NA's
 1 184

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.4.bo
 e5f100b9-7eb1-453b-bd57-dba050748659 NA's
 1 184

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.4.bi
132270992 NA's
1 184

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.4.ce
5 NA's
1 184

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.4.co
0.16 NA's
1 184

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.4.da
12 NA's
1 184

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.4.is
no NA's
1 184

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.4.mo
11 NA's
1 184

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.4.pl
3 NA's
1 184

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.4.pl
a249 NA's
1 184

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.4.pl
g NA's
1 184

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.4.qu
2.08 NA's
1 184

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.4.so
23 NA's
1 184

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.4.vo
13 NA's
1 184

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.4.ye
2012 NA's
1 184

```

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.bios
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.    NA's
132272359 143080868 153889385 152071315 162197616 167780491    178

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.cent
  1 NA's
  7 178

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.conc
0.14 0.15 0.16 NA's
  1  3  3 178

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.day_
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.    NA's
  6.00  7.00  14.00  14.57  21.00  26.00    178

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.is_d
no NA's
  7 178

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.mont
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.    NA's
 1.000  4.000 10.000  7.286 10.500 11.000    178

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.plat
  3  5  6  7 NA's
  1  1  2  3 178

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.plat
  d  e  f  g NA's
  1  3  1  2 178

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.quant
0.94 1.01 1.07 NA's
  1  3  3 178

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.sour
23 NA's
  7 178

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.volun
6.7 NA's
  7 178

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.year
2012 2013 2014 NA's
  2  2  3 178

```

patient.samples.sample.3.portions.portion.analytes.analyte.amount:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
4.640	8.115	14.980	15.161	16.005	38.270	178

patient.samples.sample.3.portions.portion.analytes.analyte.analyte_type:

dna NA's
7 178

patient.samples.sample.3.portions.portion.analytes.analyte.analyte_type_id:

d NA's
7 178

patient.samples.sample.3.portions.portion.analytes.analyte.concentration:

0.14	0.15	0.16	NA's
1	3	3	178

patient.samples.sample.3.portions.portion.analytes.analyte.dna.normal_tumor_gene:

yes NA's
7 178

patient.samples.sample.3.portions.portion.analytes.analyte.dna.pcr_amplification:

yes NA's
7 178

patient.samples.sample.3.portions.portion.analytes.analyte.gel_image_file:

<https://sharedoc.nchri.org/tcga-bcr/default.aspx>
7
NA's
178

patient.samples.sample.3.portions.portion.analytes.analyte.is_derived_from_ffpe:

no NA's
7 178

patient.samples.sample.3.portions.portion.analytes.analyte.protocols.protocol.experimental_preparation_type:

adna preparation type	NA's
7	178

patient.samples.sample.3.portions.portion.analytes.analyte.spectrophotometer_method:

picogreen NA's
7 178

patient.samples.sample.3.portions.portion.analytes.analyte.subportion_sequence:

1	2	NA's
5	1	179

patient.samples.sample.3.portions.portion.day_of_creation:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
------	---------	--------	------	---------	------	------

13.00 16.00 24.00 22.29 28.50 30.00 178

patient.samples.sample.3.portions.portion.is_ffpe:

no NA's

7 178

patient.samples.sample.3.portions.portion.month_of_creation:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
2.000	7.000	8.000	7.714	9.000	12.000	178

patient.samples.sample.3.portions.portion.portion_number:

1 11 12 21 NA's

1 4 1 1 178

patient.samples.sample.3.portions.portion.portion_sequence:

1 2 NA's

5 1 179

patient.samples.sample.3.portions.portion.slides.slide.is_derived_from_ffpe:

no NA's

6 179

patient.samples.sample.3.portions.portion.slides.slide.percent_lymphocyte_infiltration:

1 3 5 15 NA's

1 1 3 1 179

patient.samples.sample.3.portions.portion.slides.slide.percent_monocyte_infiltration:

0 1 4 NA's

3 2 1 179

patient.samples.sample.3.portions.portion.slides.slide.percent_necrosis:

0 NA's

6 179

patient.samples.sample.3.portions.portion.slides.slide.percent_neutrophil_infiltration:

0 1 3 NA's

3 2 1 179

patient.samples.sample.3.portions.portion.slides.slide.percent_normal_cells:

6 15 70 100 NA's

1 1 1 3 179

patient.samples.sample.3.portions.portion.slides.slide.percent_stromal_cells:

0 30 85 94 NA's

3 1 1 1 179

patient.samples.sample.3.portions.portion.slides.slide.percent_tumor_cells:

0 NA's

6 179

patient.samples.sample.3.portions.portion.slides.slide.percent_tumor_nuclei:
 0 NA's
 6 179

patient.samples.sample.3.portions.portion.slides.slide.section_location:
 top NA's
 6 179

patient.samples.sample.3.portions.portion.weight:
 2 5 10 30 NA's
 1 1 1 4 178

patient.samples.sample.3.portions.portion.year_of_creation:
 2011 2012 2013 2014 NA's
 1 1 4 1 178

patient.samples.sample.3.sample_type:
 blood derived normal solid tissue normal NA's
 1 6 178

patient.samples.sample.3.sample_type_id:
 10 11 NA's
 1 6 178

patient.samples.sample.3.vial_number:
 a NA's
 7 178

patient.samples.sample.days_to_collection:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 62.0 181.8 551.0 1352.0 2044.0 5481.0 7

patient.samples.sample.diagnostic_slides.ffpe_slide_uuid.2:
 718fd821-e782-4388-83cb-a5e666af66b1 NA's
 1 184

patient.samples.sample.initial_weight:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 1.0 80.0 140.0 223.9 290.0 1890.0 3

patient.samples.sample.is_ffpe:
 no
 185

patient.samples.sample.oct_embedded:
 false true
 77 108

```
patient.samples.sample.portions.portion.analytes.analyte.2.a260_a280_ratio:
  Min. 1st Qu.  Median    Mean 3rd Qu.  Max.
  1.380  1.850  1.880  1.879  1.910  2.120
```

```
patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.2.bi
  Min. 1st Qu.  Median    Mean 3rd Qu.  Max.  NA's
160338175 160340550 160340610 160340323 160340706 160341029 175
```

```
patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.2.ce
  13 31
175 10
```

```
patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.2.co
  0.15 0.16 0.17 0.18
  13 60 59 53
```

```
patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.2.da
  Min. 1st Qu.  Median    Mean 3rd Qu.  Max.
  12.00  16.00  26.00  22.67  29.00  30.00
```

```
patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.2.is
  no
185
```

```
patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.2.mo
  Min. 1st Qu.  Median    Mean 3rd Qu.  Max.
  1.000  1.000  3.000  4.708  10.000  12.000
```

```
patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.2.pl
  1 2 3 4 5
68 53 36 16 12
```

```
patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.2.qu
  0 3 3.2 3.4 3.6
175 2 3 2 3
```

```
patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.2.so
  23
185
```

```
patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.2.vo
  0 20
175 10
```

```
patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.2.ye
2012 2013 2014
```


20 83 82

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.3.bo
tcga-ig-a3yb-01a-11r-a360-13 tcga-ig-a51d-01a-11r-a360-13

	1	1
tcga-l5-a4oi-01a-11r-a360-13		NA's
	1	182

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.3.bo
02fac5fc-b838-4ed0-96fd-218c84e9373c 1107e842-e7d1-4625-a678-f8295fc40849

	1	1
60abcbec-1c27-4188-b37c-67b98ad2bee4		NA's
	1	182

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.3.ce

13 NA's
3 182

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.3.co

0.16 0.18 NA's
1 2 182

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.3.da

29 NA's
3 182

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.3.is

no NA's
3 182

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.3.mo

1 NA's
3 182

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.3.pl

1 NA's
3 182

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.3.pl

a360 NA's
3 182

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.3.pl

b	c	d	NA's
1	1	1	182

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.3.qu

0 NA's
3 182

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.3.so

23 NA's

```

3 182

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.3.vo
0 NA's
3 182

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.3.ye
2014 NA's
3 182

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.4.bo
tcga-ig-a3yb-01a-11r-a36d-31 tcga-ig-a51d-01a-11r-a36d-31
1 1
tcga-l5-a4oi-01a-11r-a36d-31 NA's
1 182

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.4.bo
2235d68c-75ea-47f2-a3c5-9e9cff416d22 70092809-ec16-413c-85b4-d9f58359fe32
1 1
df2c969f-190e-4697-aa69-4c5b2b0f7f2b NA's
1 182

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.4.bi
164082192 164082215 164082216 NA's
1 1 1 182

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.4.ce
31 NA's
3 182

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.4.co
0.16 0.18 NA's
1 2 182

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.4.da
29 NA's
3 182

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.4.is
no NA's
3 182

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.4.mo
1 NA's
3 182

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.4.pl
7 NA's
3 182

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.4.pl
a36d NA's

```

3 182

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.4.pl

b	c	d	NA's
1	1	1	182

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.4.qu

3.73	4.19	NA's
1	2	182

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.4.so

23	NA's
3	182

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.4.vo

23.3	NA's
3	182

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.4.ye

2014	NA's
3	182

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.bios

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
128923778	132254376	153889500	151817942	164105004	167812260	10

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.cent

13	31
10	175

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.conc

0.15	0.16	0.17	0.18
13	60	59	53

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.day_

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.
12.00	16.00	26.00	22.67	29.00	30.00

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.is_d

no
185

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.mont

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.
1.000	1.000	3.000	4.708	10.000	12.000

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.plat

1	2	3	4	5
68	53	36	16	12

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.quant
 0 3 3.2 3.4 3.6
 10 11 57 57 50

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.sour
 23
 185

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.vol
 0 20
 10 175

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.year
 2012 2013 2014
 20 83 82

patient.samples.sample.portions.portion.analytes.analyte.2.amount:
 Min. 1st Qu. Median Mean 3rd Qu. Max.
 6.83 30.93 47.83 50.28 67.28 115.88

patient.samples.sample.portions.portion.analytes.analyte.2.analyte_type:
 rna
 185

patient.samples.sample.portions.portion.analytes.analyte.2.analyte_type_id:
 r
 185

patient.samples.sample.portions.portion.analytes.analyte.2.concentration:
 0.15 0.16 0.17 0.18
 13 60 59 53

patient.samples.sample.portions.portion.analytes.analyte.2.gel_image_file:
<https://sharedoc.nchri.org/tcga-bcr/default.aspx>
 185

patient.samples.sample.portions.portion.analytes.analyte.2.is_derived_from_ffpe:
 no
 185

patient.samples.sample.portions.portion.analytes.analyte.2.protocols.protocol.ex
 mirvana (allprep dna) rna NA's
 184 1

patient.samples.sample.portions.portion.analytes.analyte.2.rna.ratio_28s_18s:
 Min. 1st Qu. Median Mean 3rd Qu. Max.
 0.480 1.400 1.580 1.572 1.710 2.630

```
patient.samples.sample.portions.portion.analytes.analyte.2.rna.rinvalue:
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.
  7.000  7.400  7.800  8.053  8.700  9.900
```

```
patient.samples.sample.portions.portion.analytes.analyte.2.spectrophotometer_met
uv spec
  185
```

```
patient.samples.sample.portions.portion.analytes.analyte.2.subportion_sequence:
  1    2    3 NA's
  159  12    1  13
```

```
patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.bios
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.    NA's
  132177718 132269737 164054088 155586049 167802888 167804727    9
```

```
patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.cent
  9 NA's
  176    9
```

```
patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.conc
  0.5 NA's
  176    9
```

```
patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.day_
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.    NA's
  8.0    8.0    8.0   13.3   16.0   30.0    9
```

```
patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.is_d
  no NA's
  176    9
```

```
patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.mont
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.    NA's
  1.000  5.000  7.000  5.506  7.000  10.000    9
```

```
patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.plat
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.    NA's
  1.000  2.750  4.000  3.722  5.000  8.000    9
```

```
patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.quant
  40 NA's
  176    9
```

```
patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.sour
  23 NA's
  176    9
```

```

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.volum
  80 NA's
176    9

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.year
2013 2014 NA's
  73  103    9

patient.samples.sample.portions.portion.analytes.analyte.3.analyte_type:
repli-g (qiagen) dna                      NA's
                        176                      9

patient.samples.sample.portions.portion.analytes.analyte.3.analyte_type_id:
  w NA's
176    9

patient.samples.sample.portions.portion.analytes.analyte.3.dna.normal_tumor_gene
yes NA's
176    9

patient.samples.sample.portions.portion.analytes.analyte.3.dna.pcr_amplification
yes NA's
176    9

patient.samples.sample.portions.portion.analytes.analyte.3.gel_image_file:
https://sharedoc.nchri.org/tcga-bcr/default.aspx
                        176
                        NA's
                        9

patient.samples.sample.portions.portion.analytes.analyte.3.is_derived_from_ffpe:
no NA's
176    9

patient.samples.sample.portions.portion.analytes.analyte.3.protocols.protocol.ex
repli-g    NA's
  176      9

patient.samples.sample.portions.portion.analytes.analyte.3.subportion_sequence:
  1    2    3 NA's
152  12    1  20

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.2.bios
  Min.    1st Qu.    Median    Mean    3rd Qu.    Max.
128924399 132270943 153889435 151474298 164055879 167822339

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.2.cent
  1    5    9 26

```

90 18 74 3

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.2.conc

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.
0.0700	0.0800	0.1500	0.1256	0.1600	0.1700

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.2.day_

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.
6.00	17.00	26.00	22.13	29.00	30.00

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.2.is_d

no
185

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.2.mont

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.
1.000	1.000	2.000	4.411	7.000	12.000

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.2.plat

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.
1.000	2.000	4.000	3.562	5.000	8.000

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.2.quant

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.
0.940	1.070	1.600	1.988	3.200	3.600

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.2.sour

23
185

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.2.vol

6.7 10 13 40
90 3 18 74

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.2.year

2012 2013 2014
20 78 87

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.3.bios

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.
128924352	132270966	160341050	151756790	164056084	167780504

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.3.cent

1 5 9 26
3 70 80 32

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.3.conc

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.
------	---------	--------	------	---------	------

0.0700 0.0800 0.1400 0.1231 0.1600 0.1700

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.3.day_

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.
7.00	16.00	26.00	22.08	29.00	30.00

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.3.is_d
no

185

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.3.mont

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.
1.00	1.00	3.00	4.73	10.00	12.00

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.3.plat

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.
1.000	2.000	4.000	3.654	5.000	10.000

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.3.quant

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.
0.940	1.820	2.210	2.417	3.200	3.600

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.3.sour
23

185

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.3.vol

6.7	10	13	40
3	32	70	80

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.3.year

2012	2013	2014
20	83	82

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.4.bios

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
128923951	132270969	160354989	150866764	164053851	167780343	20

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.4.cent

5	9	26	NA's
90	23	52	20

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.4.conc

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0.0700	0.1500	0.1600	0.1465	0.1600	0.1700	20

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.4.day_

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
------	---------	--------	------	---------	------	------

7.0	17.0	25.0	22.1	26.0	30.0	20
-----	------	------	------	------	------	----

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.4.is_d
no NA's
165 20

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.4.mon	Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
	1.00	2.00	3.00	5.03	10.00	12.00	20

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.4.plat

	Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
	1.000	2.000	3.000	3.527	4.000	12.000	20

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.4.quan

	Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
	1.400	1.700	1.950	2.056	2.080	3.600	20

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.4.sour
23 NA's
165 20

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.4.vol

10	13	40	NA's
52	90	23	20

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.4.year
2012 2013 2014 NA's
20 79 66 20

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.5.bios

	Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
128924356	132270990	145676580	148258091	160355810	164103632		141

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.5.cent

5	9	26	NA's
7	8	29	141

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.5.conc

	Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0.0800	0.1400	0.1500	0.1409	0.1600	0.1700		141

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.5.day_

	Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
12.00	16.00	18.00	20.68	25.00	29.00		141

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.5.is_d
no NA's

44 141

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.5.mont

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1.000	3.000	4.000	6.068	10.000	12.000	141

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.5.plat

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1.000	1.000	2.000	2.568	3.250	9.000	141

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.5.quant

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1.400	1.500	1.600	1.925	1.982	3.600	141

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.5.sour

23 NA's
44 141

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.5.volun

10 13 40 NA's
29 7 8 141

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.5.year

2012 2013 2014 NA's
4 30 10 141

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.biospe

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
128924376	132159638	153889392	149062172	164081868	167780542	89

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.center

1 23 26
92 89 4

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.concen

0.14 0.15 0.16 0.17 NA's
14 25 38 19 89

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.day_of

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
6.00	14.00	26.00	21.07	29.00	30.00	89

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.is_der

no NA's
96 89

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.month_

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
------	---------	--------	------	---------	------	------

```

1.000  1.000  3.000  4.385  7.750  11.000  89

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.plate_
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.   NA's
1.000  2.000  4.000  3.688  5.000  8.000   89

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.quantit
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.   NA's
0.94   1.01   1.07   1.07   1.07   1.60   89

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.source_
23
185

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.volume_
 6.7  10 NA's
 92   4  89

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.year_o
2012 2013 2014 NA's
 16  37  43  89

patient.samples.sample.portions.portion.analytes.analyte.amount:
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.
 6.59  21.13  29.63  30.82  40.40  66.44

patient.samples.sample.portions.portion.analytes.analyte.analyte_type:
dna
185

patient.samples.sample.portions.portion.analytes.analyte.analyte_type_id:
d
185

patient.samples.sample.portions.portion.analytes.analyte.concentration:
0.14 0.15 0.16 0.17
 26  47  71  41

patient.samples.sample.portions.portion.analytes.analyte.dna.normal_tumor_genoty
yes
185

patient.samples.sample.portions.portion.analytes.analyte.dna.pcr_amplification_s
yes
185

patient.samples.sample.portions.portion.analytes.analyte.gel_image_file:
https://sharedoc.nchri.org/tcga-bcr/default.aspx

```

185

patient.samples.sample.portions.portion.analytes.analyte.is_derived_from_ffpe:
no
185

patient.samples.sample.portions.portion.analytes.analyte.protocols.protocol.expe
adna preparation type
185

patient.samples.sample.portions.portion.analytes.analyte.spectrophotometer_metho
picogreen
185

patient.samples.sample.portions.portion.analytes.analyte.subportion_sequence:
1 2 3 NA's
159 12 1 13

patient.samples.sample.portions.portion.day_of_creation:
Min. 1st Qu. Median Mean 3rd Qu. Max.
1.00 6.00 14.00 13.36 18.00 31.00

patient.samples.sample.portions.portion.is_ffpe:
no
185

patient.samples.sample.portions.portion.month_of_creation:
Min. 1st Qu. Median Mean 3rd Qu. Max.
1.000 6.000 9.000 8.049 11.000 12.000

patient.samples.sample.portions.portion.portion_number:
Min. 1st Qu. Median Mean 3rd Qu. Max.
11.00 11.00 11.00 12.97 11.00 32.00

patient.samples.sample.portions.portion.portion_sequence:
1 2 3 NA's
120 11 7 47

patient.samples.sample.portions.portion.slides.slide.is_derived_from_ffpe:
no NA's
183 2

patient.samples.sample.portions.portion.slides.slide.percent_lymphocyte_infiltra
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
0.00 2.00 4.00 10.35 10.00 80.00 2

patient.samples.sample.portions.portion.slides.slide.percent_monocyte_infiltrati

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0.000	0.000	0.000	3.623	2.000	20.000	2

patient.samples.sample.portions.portion.slides.slide.percent_necrosis:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0.000	0.000	0.000	2.557	5.000	18.000	2

patient.samples.sample.portions.portion.slides.slide.percent_neutrophil_infiltra

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0.000	0.000	0.000	3.355	2.000	20.000	2

patient.samples.sample.portions.portion.slides.slide.percent_normal_cells:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0.000	0.000	0.000	3.661	0.000	50.000	2

patient.samples.sample.portions.portion.slides.slide.percent_stromal_cells:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0.00	0.00	19.00	18.61	30.00	75.00	2

patient.samples.sample.portions.portion.slides.slide.percent_tumor_cells:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
20.00	62.50	75.00	75.17	93.50	100.00	2

patient.samples.sample.portions.portion.slides.slide.percent_tumor_nuclei:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
60.00	65.00	75.00	75.77	85.00	100.00	2

patient.samples.sample.portions.portion.slides.slide.section_location:

top	NA's
183	2

patient.samples.sample.portions.portion.weight:

5	10	20	30
16	3	9	157

patient.samples.sample.portions.portion.year_of_creation:

2011	2012	2013	2014
1	58	93	33

patient.samples.sample.portions.shipment_portion.center_id:

20	NA's
126	59

patient.samples.sample.portions.shipment_portion.is_ffpe:

no	NA's
126	59

patient.samples.sample.portions.shipment_portion.plate_id:

a41x	a41y	NA's
81	45	59

```
patient.samples.sample.portions.shipment_portion.portion_number:
  11  21  41  51 NA's
  10 108   7   1  59
```

```
patient.samples.sample.portions.shipment_portion.portion_sequence:
  1   2   5 NA's
  8  88   1  88
```

```
patient.samples.sample.portions.shipment_portion.shipment_portion_day_of_shipment:
  4 NA's
 126  59
```

```
patient.samples.sample.portions.shipment_portion.shipment_portion_month_of_shipment:
  6 NA's
 126  59
```

```
patient.samples.sample.portions.shipment_portion.shipment_portion_year_of_shipment:
2014 NA's
 126  59
```

```
patient.samples.sample.sample_type:
primary tumor
      185
```

```
patient.samples.sample.sample_type_id:
  1
 185
```

```
patient.samples.sample.vial_number:
  a  b
174 11
```

 GBM

Glioblastoma multiforme

Description

A document describing the TCGA cancer code

Details

```
> experiments( GBM )
ExperimentList class object of length 16:
 [1] CNACGH_CGH_hg_244a-20160128: RaggedExperiment with 81512 rows and 438 columns
 [2] CNACGH_CGH_hg_415k_g4124a-20160128: RaggedExperiment with 57975 rows and 33 columns
 [3] CNASNP-20160128: RaggedExperiment with 602338 rows and 1104 columns
 [4] CNVSNP-20160128: RaggedExperiment with 146852 rows and 1104 columns
 [5] GISTIC_AllByGene-20160128: SummarizedExperiment with 24776 rows and 577 columns
 [6] GISTIC_ThresholdedByGene-20160128: SummarizedExperiment with 24776 rows and 577 columns
```

```

[7] Methylation_methyl27-20160128: SummarizedExperiment with 27578 rows and 285
[8] Methylation_methyl450-20160128: SummarizedExperiment with 485577 rows and 1
[9] miRNAArray-20160128: SummarizedExperiment with 534 rows and 565 columns
[10] miRNASeqGene-20160128: SummarizedExperiment with 1046 rows and 0 columns
[11] mRNAArray_huex-20160128: SummarizedExperiment with 18632 rows and 431 colu
[12] mRNAArray_TX_g4502a-20160128: SummarizedExperiment with 17814 rows and 502
[13] mRNAArray_TX_ht_hg_u133a-20160128: SummarizedExperiment with 12042 rows an
[14] Mutation-20160128: RaggedExperiment with 22073 rows and 290 columns
[15] RNASeq2GeneNorm-20160128: SummarizedExperiment with 20501 rows and 166 col
[16] RPPAArray-20160128: SummarizedExperiment with 208 rows and 244 columns

```

```
> rownames( GBM )
```

```
CharacterList of length 16
```

```

[["CNACGH_CGH_hg_244a-20160128"]] character(0)
[["CNACGH_CGH_hg_415k_g4124a-20160128"]] character(0)
[["CNASNP-20160128"]] character(0)
[["CNVSNP-20160128"]] character(0)
[["GISTIC_AllByGene-20160128"]] ACAP3 ACTRT2 ... WASIR1|ENSG00000185203.7
[["GISTIC_ThresholdedByGene-20160128"]] ACAP3 ... WASIR1|ENSG00000185203.7
[["Methylation_methyl27-20160128"]] cg00000292 cg00002426 ... cg27665659
[["Methylation_methyl450-20160128"]] cg00000029 cg00000108 ... rs9839873
[["miRNAArray-20160128"]] ebv-miR-BART1-3p ebv-miR-BART1-5p ... kshv-miR-K12-9*
[["miRNASeqGene-20160128"]] hsa-let-7a-1 hsa-let-7a-2 ... hsa-mir-99b
...
<6 more elements>

```

```
> colnames( GBM )
```

```
CharacterList of length 16
```

```

[["CNACGH_CGH_hg_244a-20160128"]] TCGA-02-0001-01C-01D-0185-02 ...
[["CNACGH_CGH_hg_415k_g4124a-20160128"]] TCGA-02-2466-01A-01D-0787-02 ...
[["CNASNP-20160128"]] TCGA-02-0001-01C-01D-0182-01 ...
[["CNVSNP-20160128"]] TCGA-02-0001-01C-01D-0182-01 ...
[["GISTIC_AllByGene-20160128"]] TCGA-02-0001-01C-01D-0182-01 ...
[["GISTIC_ThresholdedByGene-20160128"]] TCGA-02-0001-01C-01D-0182-01 ...
[["Methylation_methyl27-20160128"]] TCGA-02-0001-01C-01D-0186-05 ...
[["Methylation_methyl450-20160128"]] TCGA-06-0125-01A-01D-A45W-05 ...
[["miRNAArray-20160128"]] TCGA-02-0001-01C-01T-0179-07 ...
[["miRNASeqGene-20160128"]] character(0)
...
<6 more elements>

```

```
Sizes of each ExperimentList element:
```

		assay	size.Mb
1	CNACGH_CGH_hg_244a-20160128		2.3 Mb
2	CNACGH_CGH_hg_415k_g4124a-20160128		1.7 Mb
3	CNASNP-20160128		16.4 Mb
4	CNVSNP-20160128		4.2 Mb
5	GISTIC_AllByGene-20160128		4.4 Mb
6	GISTIC_ThresholdedByGene-20160128		4.4 Mb
7	Methylation_methyl27-20160128		4.4 Mb
8	Methylation_methyl450-20160128		67.4 Mb

9	miRNAArray-20160128	0.1 Mb
10	miRNASeqGene-20160128	0.1 Mb
11	mRNAArray_huex-20160128	1.1 Mb
12	mRNAArray_TX_g4502a-20160128	1 Mb
13	mRNAArray_TX_ht_hg_u133a-20160128	0.7 Mb
14	Mutation-20160128	29.2 Mb
15	RNASeq2GeneNorm-20160128	1.1 Mb
16	RPPAArray-20160128	0 Mb

Overall survival time-to-event summary (in years):

Call: survfit(formula = survival::Surv(colDat\$days_to_death/365, colDat\$vital_status - 1)

109 observations deleted due to missingness
n events median 0.95LCL 0.95UCL
490.000 490.000 1.047 0.981 1.156

Available sample meta-data:

years_to_birth:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
10.00	50.00	59.00	57.82	68.00	89.00	4

vital_status:

0	1	NA's
104	491	4

days_to_death:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
3.0	170.5	382.0	504.5	609.2	3881.0	109

days_to_last_followup:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0.0	156.2	261.0	479.4	628.0	2818.0	497

tumor_tissue_site:

brain	NA's
595	4

gender:

female	male	NA's
230	365	4

date_of_initial_pathologic_diagnosis:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
------	---------	--------	------	---------	------	------

1989	2002	2006	2005	2009	2013	4
------	------	------	------	------	------	---

radiation_therapy:

no	yes	NA's
78	489	32

karnofsky_performance_score:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0.00	70.00	80.00	77.04	80.00	100.00	157

histological_type:

glioblastoma multiforme (gbm)	treated primary gbm
31	20
untreated primary (de novo) gbm	NA's
544	4

race:

asian	black or african american	white
13	51	506
NA's		
29		

ethnicity:

hispanic or latino	not hispanic or latino	NA's
13	489	97

admin.bcr:

nationwide children's hospital	NA's
595	4

admin.day_of_dcc_upload:

1	7	NA's
570	25	4

admin.disease_code:

gbm	NA's
595	4

admin.month_of_dcc_upload:

10	NA's
595	4

admin.patient_withdrawal.withdrawn:

false	NA's
595	4

admin.project_code:

tcga	NA's
595	4

admin.year_of_dcc_upload:

2015 NA's
595 4

patient.age_at_initial_pathologic_diagnosis:
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
10.00 50.00 59.00 57.82 68.00 89.00 4

patient.day_of_form_completion:
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
1.00 10.00 16.00 14.59 19.00 31.00 4

patient.days_to_birth:
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
-32612 -25149 -21698 -21298 -18279 -3982 4

patient.days_to_death:
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
3.0 150.8 357.0 476.6 584.0 3881.0 153

patient.days_to_initial_pathologic_diagnosis:
0 NA's
595 4

patient.days_to_last_followup:
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
0.0 141.0 285.0 415.3 496.0 3881.0 38

patient.drugs.drug.10.day_of_form_completion:
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
1.00 5.25 17.00 14.71 22.50 28.00 585

patient.drugs.drug.10.days_to_drug_therapy_end:
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
148.0 413.2 569.0 679.7 1034.2 1468.0 585

patient.drugs.drug.10.days_to_drug_therapy_start:
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
91.0 290.2 497.5 618.9 1025.5 1307.0 585

patient.drugs.drug.10.month_of_form_completion:
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
3.000 4.250 5.000 5.786 6.000 11.000 585

patient.drugs.drug.10.number_cycles:
1 2 3 4 NA's
4 1 1 2 591

patient.drugs.drug.10.prescribed_dose:

30	50	200	NA's
1	1	1	596

patient.drugs.drug.10.prescribed_dose_units:

mg	mg/kg	mg/m2	NA's
9	1	3	586

patient.drugs.drug.10.regimen_indication:

adjuvant	progression	recurrence	NA's
3	8	2	586

patient.drugs.drug.10.route_of_administrations.route_of_administration:

intravenous (iv)	oral	NA's
2	8	589

patient.drugs.drug.10.therapy_ongoing:

no	NA's
11	588

patient.drugs.drug.10.therapy_types.therapy_type:

chemotherapy	hormone therapy
9	1
immunotherapy	targeted molecular therapy
1	3
NA's	
585	

patient.drugs.drug.10.total_dose:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
8.0	37.5	110.0	7824.0	250.0	90400.0	586

patient.drugs.drug.10.total_dose_units:

mg	mg/kg	mg/m2	NA's
9	1	3	586

patient.drugs.drug.10.tx_on_clinical_trial:

no	NA's
1	598

patient.drugs.drug.10.year_of_form_completion:

2009	2010	2012	NA's
10	3	1	585

patient.drugs.drug.11.day_of_form_completion:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
4.00	10.50	17.00	16.55	24.00	28.00	588

patient.drugs.drug.11.days_to_drug_therapy_end:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
71.0	217.5	378.0	630.0	1015.0	1616.0	588

```

patient.drugs.drug.11.days_to_drug_therapy_start:
  Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
  29.0  184.5  327.0  573.6  952.5  1529.0  588

patient.drugs.drug.11.month_of_form_completion:
  Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
  3.000  4.000  5.000  5.545  6.000  11.000  588

patient.drugs.drug.11.number_cycles:
  1 2 NA's
  5 1 593

patient.drugs.drug.11.prescribed_dose:
  10 120 NA's
  1 1 597

patient.drugs.drug.11.prescribed_dose_units:
{wafer} mg mg/kg mg/m2 NA's
  1 4 1 3 590

patient.drugs.drug.11.regimen_indication:
  adjuvant progression recurrence NA's
  5 4 1 589

patient.drugs.drug.11.route_of_administrations.route_of_administration:
  intratumoral intravenous (iv) oral NA's
  1 3 5 590

patient.drugs.drug.11.therapy_ongoing:
  no NA's
  8 591

patient.drugs.drug.11.therapy_types.therapy_type:
  chemotherapy immunotherapy
  6 1
targeted molecular therapy NA's
  4 588

patient.drugs.drug.11.total_dose:
  Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
  8 75 90 1131 600 5300 590

patient.drugs.drug.11.total_dose_units:
{wafer} mg mg/kg mg/m2 NA's
  1 4 1 3 590

patient.drugs.drug.11.tx_on_clinical_trial:
  no NA's
  1 598

```

patient.drugs.drug.11.year_of_form_completion:

2009	2010	2012	NA's
8	2	1	588

patient.drugs.drug.12.day_of_form_completion:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
4.00	10.50	17.00	16.55	24.00	28.00	588

patient.drugs.drug.12.days_to_drug_therapy_end:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
72.0	196.2	551.0	645.1	1071.2	1526.0	589

patient.drugs.drug.12.days_to_drug_therapy_start:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
26.0	135.0	326.0	550.1	988.0	1468.0	588

patient.drugs.drug.12.month_of_form_completion:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
3.000	4.000	5.000	5.545	6.000	11.000	588

patient.drugs.drug.12.number_cycles:

1	2	NA's
1	2	596

patient.drugs.drug.12.prescribed_dose:

5	10	NA's
1	1	597

patient.drugs.drug.12.prescribed_dose_units:

mg	mg/day	mg/m2	NA's
5	1	3	590

patient.drugs.drug.12.regimen_indication:

adjuvant	progression	recurrence	NA's
5	4	1	589

patient.drugs.drug.12.route_of_administrations.route_of_administration:

intravenous (iv)	oral	NA's
2	3	594

patient.drugs.drug.12.therapy_ongoing:

no	yes	NA's
6	1	592

patient.drugs.drug.12.therapy_types.therapy_type:

chemotherapy	hormone therapy
4	1
targeted molecular therapy	NA's
6	588

patient.drugs.drug.12.total_dose:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
10.0	100.0	125.0	676.4	700.0	3003.0	590

patient.drugs.drug.12.total_dose_units:

mg	mg/day	mg/m2	NA's
5	1	3	590

patient.drugs.drug.12.tx_on_clinical_trial:

no	NA's
1	598

patient.drugs.drug.12.year_of_form_completion:

2009	2010	2012	NA's
8	2	1	588

patient.drugs.drug.13.day_of_form_completion:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
4.00	5.00	17.00	15.56	24.00	28.00	590

patient.drugs.drug.13.days_to_drug_therapy_end:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
37.0	484.0	602.0	749.3	1090.0	1526.0	590

patient.drugs.drug.13.days_to_drug_therapy_start:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
37.0	438.0	567.0	691.9	1073.0	1468.0	590

patient.drugs.drug.13.month_of_form_completion:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1.000	4.000	5.000	4.556	5.000	8.000	590

patient.drugs.drug.13.number_cycles:

1	2	NA's
3	1	595

patient.drugs.drug.13.prescribed_dose:

8	NA's
1	598

patient.drugs.drug.13.regimen_indication:

adjuvant	progression	NA's
3	6	590

patient.drugs.drug.13.route_of_administrations.route_of_administration:

intratumoral	intravenous (iv)	oral	NA's
1	1	2	595

```

patient.drugs.drug.13.therapy_ongoing:
  no NA's
  5 594

patient.drugs.drug.13.therapy_types.therapy_type:
      chemotherapy      immunotherapy
            4                1
targeted molecular therapy      NA's
            4                590

patient.drugs.drug.13.total_dose:
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.    NA's
  10.0   61.6   150.0   874.6   400.0  5520.0   590

patient.drugs.drug.13.year_of_form_completion:
  2009 2010 NA's
    7    2  590

patient.drugs.drug.14.day_of_form_completion:
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.    NA's
  3.00   5.00   7.00   11.86   17.50   28.00   592

patient.drugs.drug.14.days_to_drug_therapy_end:
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.    NA's
  56.0   621.5  1084.0   963.9  1374.0  1616.0   592

patient.drugs.drug.14.days_to_drug_therapy_start:
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.    NA's
  55.0   542.5  1007.0   913.1  1331.0  1583.0   592

patient.drugs.drug.14.month_of_form_completion:
  3    5    6 NA's
  1    4    2  592

patient.drugs.drug.14.number_cycles:
  1    3 NA's
  1    1  597

patient.drugs.drug.14.prescribed_dose:
  10 NA's
  1  598

patient.drugs.drug.14.prescribed_dose_units:
  mg mg/m2  NA's
  3    4    592

patient.drugs.drug.14.regimen_indication:

```

adjuvant progression	recurrence	NA's
2	4	592

patient.drugs.drug.14.route_of_administrations.route_of_administration:

intravenous (iv)	oral	NA's
1	4	594

patient.drugs.drug.14.therapy_ongoing:

no NA's
2 597

patient.drugs.drug.14.therapy_types.therapy_type:

chemotherapy	immunotherapy
3	1

targeted molecular therapy

NA's
3 592

patient.drugs.drug.14.total_dose:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
10	30	100	260	125	1400	592

patient.drugs.drug.14.total_dose_units:

mg	mg/m2	NA's
3	4	592

patient.drugs.drug.14.year_of_form_completion:

2009	2010	NA's
6	1	592

patient.drugs.drug.15.day_of_form_completion:

5	18	22	28	NA's
2	1	1	1	594

patient.drugs.drug.15.days_to_drug_therapy_end:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
203	688	1135	1004	1274	1722	594

patient.drugs.drug.15.days_to_drug_therapy_start:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
183.0	471.0	1133.0	913.4	1141.0	1639.0	594

patient.drugs.drug.15.drug_name:

06gb	avastin	chloroquine	temozolomide	NA's
1	2	1	1	594

patient.drugs.drug.15.month_of_form_completion:

5	6	NA's
4	1	594

patient.drugs.drug.15.number_cycles:


```

1 NA's
1 598

patient.drugs.drug.15.prescribed_dose:
500 NA's
1 598

patient.drugs.drug.15.prescribed_dose_units:
mg mg/kg mg/m2 NA's
2 1 2 594

patient.drugs.drug.15.regimen_indication:
adjuvant progression recurrence NA's
1 3 1 594

patient.drugs.drug.15.route_of_administrations.route_of_administration:
oral NA's
2 597

patient.drugs.drug.15.therapy_ongoing:
no NA's
3 596

patient.drugs.drug.15.therapy_types.therapy_type:
chemotherapy targeted molecular therapy
1 4
NA's
594

patient.drugs.drug.15.total_dose:
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
10 120 200 4361 475 21000 594

patient.drugs.drug.15.total_dose_units:
mg mg/kg mg/m2 NA's
2 1 2 594

patient.drugs.drug.15.year_of_form_completion:
2009 2010 NA's
4 1 594

patient.drugs.drug.16.bcr_drug_barcode:
tcga-12-0662-d23525 tcga-12-0670-d23536 tcga-12-0773-d23623 tcga-12-3644-d23784
1 1 1 1
NA's
595

patient.drugs.drug.16.bcr_drug_uuid:
52230949-b4f3-4314-878c-6b19aa30ddc6 5c66bde0-39fb-444d-b4c3-4c1628a36fcf
1 1
6b93f331-1d67-49d2-afbd-72b4fc799ea7 76066f9e-2cbd-433b-8e83-07dd811edc04
1 1

```

NA's
595

patient.drugs.drug.16.day_of_form_completion:

5 18 22 28 NA's
1 1 1 1 595

patient.drugs.drug.16.days_to_drug_therapy_end:

56 448 486 1161 NA's
1 1 1 1 595

patient.drugs.drug.16.days_to_drug_therapy_start:

55 179 407 1113 NA's
1 1 1 1 595

patient.drugs.drug.16.drug_name:

celbrex cpt-11 mu81c6 temodar NA's
1 1 1 1 595

patient.drugs.drug.16.month_of_form_completion:

5 6 NA's
3 1 595

patient.drugs.drug.16.number_cycles:

1 10 NA's
1 1 597

patient.drugs.drug.16.prescribed_dose:

200 NA's
1 598

patient.drugs.drug.16.prescribed_dose_units:

mg mg/m2 NA's
3 1 595

patient.drugs.drug.16.regimen_indication:

adjuvant progression NA's
3 1 595

patient.drugs.drug.16.route_of_administrations.route_of_administration:

intravenous (iv) oral NA's
1 2 596

patient.drugs.drug.16.therapy_ongoing:

no NA's
3 596

patient.drugs.drug.16.therapy_types.therapy_type:

chemotherapy immunotherapy
2 1
targeted molecular therapy NA's
1 595

patient.drugs.drug.16.total_dose:

10	125	400	17000	NA's
1	1	1	1	595

patient.drugs.drug.16.total_dose_units:

mg	mg/m2	NA's
3	1	595

patient.drugs.drug.16.year_of_form_completion:

2009	2010	NA's
3	1	595

patient.drugs.drug.17.bcr_drug_barcode:

tcga-12-0662-d23528	tcga-12-0670-d23548	tcga-12-3644-d23802	NA's
1	1	1	596

patient.drugs.drug.17.bcr_drug_uid:

0dacad5b-d120-432b-ac72-3c591e4db8cd	37cd6430-be4c-4272-86c6-8e4aa67835ee	1	1
67a7c6ef-2066-4046-a8de-bb8d1bbac08b		1	NA's
			596

patient.drugs.drug.17.day_of_form_completion:

5	18	28	NA's
1	1	1	596

patient.drugs.drug.17.days_to_drug_therapy_end:

601	1135	1639	NA's
1	1	1	596

patient.drugs.drug.17.days_to_drug_therapy_start:

578	1133	1611	NA's
1	1	1	596

patient.drugs.drug.17.drug_name:

06gb	celebrex	tarceva	NA's
1	1	1	596

patient.drugs.drug.17.month_of_form_completion:

5	6	NA's
2	1	596

patient.drugs.drug.17.prescribed_dose:

150	NA's
1	598

patient.drugs.drug.17.prescribed_dose_units:

mg	mg/m2	NA's
1	2	596

patient.drugs.drug.17.regimen_indication:

```

    adjuvant progression recurrence NA's
          1           1           1     596

patient.drugs.drug.17.route_of_administrations.route_of_administration:
oral NA's
  2  597

patient.drugs.drug.17.therapy_ongoing:
no NA's
  2  597

patient.drugs.drug.17.therapy_types.therapy_type:
      immunotherapy targeted molecular therapy
                1                               2
                NA's
                596

patient.drugs.drug.17.total_dose:
  30 125 4200 NA's
   1   1   1  596

patient.drugs.drug.17.total_dose_units:
  mg mg/m2 NA's
   1   2   596

patient.drugs.drug.17.year_of_form_completion:
2009 2010 NA's
   2   1  596

patient.drugs.drug.18.bcr_drug_barcode:
tcga-12-0670-d23537 tcga-12-3644-d23790 NA's
                   1                   1     597

patient.drugs.drug.18.bcr_drug_uuid:
16253cb7-0d72-41ce-b650-b17eb6a9572b 9257d812-89d6-4b0b-b773-f791a03ad624
                                         1                               1
                                         NA's
                                         597

patient.drugs.drug.18.day_of_form_completion:
  18  28 NA's
   1   1  597

patient.drugs.drug.18.days_to_drug_therapy_end:
  516 1639 NA's
   1   1  597

patient.drugs.drug.18.days_to_drug_therapy_start:
  448 1611 NA's
   1   1  597

patient.drugs.drug.18.drug_name:

```

hydroxyurea	temozolomide	NA's
1	1	597

patient.drugs.drug.18.month_of_form_completion:

5	6	NA's
1	1	597

patient.drugs.drug.18.number_cycles:

1	2	NA's
1	1	597

patient.drugs.drug.18.prescribed_dose:

500	NA's
1	598

patient.drugs.drug.18.prescribed_dose_units:

mg	mg/m2	NA's
1	1	597

patient.drugs.drug.18.regimen_indication:

adjuvant	recurrence	NA's
1	1	597

patient.drugs.drug.18.route_of_administrations.route_of_administration:

oral	NA's
2	597

patient.drugs.drug.18.therapy_ongoing:

no	NA's
2	597

patient.drugs.drug.18.therapy_types.therapy_type:

chemotherapy	NA's
2	597

patient.drugs.drug.18.total_dose:

200	14000	NA's
1	1	597

patient.drugs.drug.18.total_dose_units:

mg	mg/m2	NA's
1	1	597

patient.drugs.drug.18.year_of_form_completion:

2009	2010	NA's
1	1	597

patient.drugs.drug.19.bcr_drug_barcode:

tcga-12-0670-d23535	tcga-12-3644-d23801	NA's
1	1	597

patient.drugs.drug.19.bcr_drug_uuid:

0be12284-5c9f-4fbc-a4bc-16a33097e010 701b8631-b4d3-46b1-9472-1fd8f5d000e2
 1 1
 NA's
 597

patient.drugs.drug.19.day_of_form_completion:
 18 28 NA's
 1 1 597

patient.drugs.drug.19.days_to_drug_therapy_end:
 378 1639 NA's
 1 1 597

patient.drugs.drug.19.days_to_drug_therapy_start:
 329 1611 NA's
 1 1 597

patient.drugs.drug.19.drug_name:
 cpt-11 rapamycin NA's
 1 1 597

patient.drugs.drug.19.month_of_form_completion:
 5 6 NA's
 1 1 597

patient.drugs.drug.19.number_cycles:
 1 NA's
 1 598

patient.drugs.drug.19.prescribed_dose:
 5 NA's
 1 598

patient.drugs.drug.19.prescribed_dose_units:
 mg mg/m2 NA's
 1 1 597

patient.drugs.drug.19.regimen_indication:
 adjuvant recurrence NA's
 1 1 597

patient.drugs.drug.19.route_of_administrations.route_of_administration:
 intravenous (iv) oral NA's
 1 1 597

patient.drugs.drug.19.therapy_ongoing:
 no NA's
 2 597

patient.drugs.drug.19.therapy_types.therapy_type:
 chemotherapy targeted molecular therapy
 1 1

NA's
597

patient.drugs.drug.19.total_dose:

125 140 NA's
1 1 597

patient.drugs.drug.19.total_dose_units:

mg mg/m2 NA's
1 1 597

patient.drugs.drug.19.year_of_form_completion:

2009 2010 NA's
1 1 597

patient.drugs.drug.2.clinical_trial_drug_classification:

targeted molecular therapy NA's
1 598

patient.drugs.drug.2.day_of_form_completion:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1.00	9.00	17.00	16.55	24.00	31.00	269

patient.drugs.drug.2.days_to_drug_therapy_end:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
-6.00	86.75	184.00	328.97	402.00	3942.00	349

patient.drugs.drug.2.days_to_drug_therapy_start:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
-112.0	27.0	92.0	181.6	182.0	3779.0	300

patient.drugs.drug.2.measure_of_response:

clinical progressive disease	stable disease	NA's
2	5	592

patient.drugs.drug.2.month_of_form_completion:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1.000	4.000	5.000	6.076	9.000	12.000	269

patient.drugs.drug.2.number_cycles:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1.000	1.000	2.000	3.518	4.000	24.000	400

patient.drugs.drug.2.prescribed_dose:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1.0	75.0	140.0	169.4	200.0	1750.0	474

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patient.drugs.drug.2.regimen_indication_notes:
  adjuvant and progression          concurrent concurrent chemoradiation
                                2                                3                                1
                                NA's
                                593

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```

patient.drugs.drug.2.regimen_number:
  1    2    3 NA's
  11   8    3  577

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```

patient.drugs.drug.2.route_of_administrations.route_of_administration.2:
  intravenous (iv)          NA's
                            1          598

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```

patient.drugs.drug.2.therapy_ongoing:
  no  yes NA's
  254 28  317

```

```

patient.drugs.drug.2.therapy_types.therapy_type:
  chemotherapy          hormone therapy
                        274                    19
  immunotherapy targeted molecular therapy
                        6                      30
  NA's
  270

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```

patient.drugs.drug.2.therapy_types.therapy_type_notes:
  daily for 42 days          NA's
                            1          598

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```

patient.drugs.drug.2.total_dose:
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.    NA's
    1     110     300    4701   2800  590000   382

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```

patient.drugs.drug.2.tx_on_clinical_trial:
  no  yes NA's
  10   5  584

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patient.drugs.drug.2.year_of_form_completion:
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.    NA's
  2009   2009   2010   2010   2011   2014   269

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patient.drugs.drug.20.bcr_drug_barcode:
  tcga-12-0670-d23547 tcga-12-3644-d23791          NA's
                                1                                1                                597

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```

patient.drugs.drug.20.bcr_drug_uuid:
  1e817328-0469-4ae7-b77c-939fc0027749 b047e79b-8534-41db-a020-b40c3853e120

```


1
NA's
597

patient.drugs.drug.20.day_of_form_completion:

18 28 NA's
1 1 597

patient.drugs.drug.20.days_to_drug_therapy_end:

576 1722 NA's
1 1 597

patient.drugs.drug.20.days_to_drug_therapy_start:

516 1639 NA's
1 1 597

patient.drugs.drug.20.drug_name:

celebrex cpt 11 NA's
1 1 597

patient.drugs.drug.20.month_of_form_completion:

5 6 NA's
1 1 597

patient.drugs.drug.20.number_cycles:

3 NA's
1 598

patient.drugs.drug.20.prescribed_dose:

125 NA's
1 598

patient.drugs.drug.20.prescribed_dose_units:

mg mg/m2 NA's
1 1 597

patient.drugs.drug.20.regimen_indication:

adjuvant recurrence NA's
1 1 597

patient.drugs.drug.20.route_of_administrations.route_of_administration:

intravenous (iv) oral NA's
1 1 597

patient.drugs.drug.20.therapy_ongoing:

no NA's
2 597

patient.drugs.drug.20.therapy_types.therapy_type:

chemotherapy immunotherapy NA's
1 1 597

```

patient.drugs.drug.20.total_dose:
  125 1200 NA's
    1   1  597

patient.drugs.drug.20.total_dose_units:
  mg mg/m2  NA's
    1   1  597

patient.drugs.drug.20.year_of_form_completion:
  2009 2010 NA's
    1   1  597

patient.drugs.drug.21.bcr_drug_barcode:
  tcga-12-0670-d23550 tcga-12-3644-d23805 NA's
                        1                        1      597

patient.drugs.drug.21.bcr_drug_uid:
  63b3fd1c-3e08-4f33-ad48-c6da51c84fe9 888dc526-60c7-44ce-9fe9-de5128a8f5a9
                                         1                                         1
                                         NA's
                                         597

patient.drugs.drug.21.day_of_form_completion:
  18   28 NA's
    1   1  597

patient.drugs.drug.21.days_to_drug_therapy_end:
  770 1722 NA's
    1   1  597

patient.drugs.drug.21.days_to_drug_therapy_start:
  722 1639 NA's
    1   1  597

patient.drugs.drug.21.drug_name:
  avastin celebrex NA's
    1       1      597

patient.drugs.drug.21.month_of_form_completion:
  5   6 NA's
    1   1  597

patient.drugs.drug.21.prescribed_dose:
  10 NA's
    1  598

patient.drugs.drug.21.prescribed_dose_units:
  mg mg/m2  NA's
    1   1  597

patient.drugs.drug.21.regimen_indication:
  adjuvant recurrence NA's

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1          1          597

patient.drugs.drug.21.route_of_administrations.route_of_administration:
intravenous (iv)          oral          NA's
1          1          597

patient.drugs.drug.21.therapy_ongoing:
no NA's
2  597

patient.drugs.drug.21.therapy_types.therapy_type:
immunotherapy targeted molecular therapy
1          1
NA's
597

patient.drugs.drug.21.total_dose:
125 4200 NA's
1  1  597

patient.drugs.drug.21.total_dose_units:
mg mg/m2  NA's
1  1  597

patient.drugs.drug.21.year_of_form_completion:
2009 2010 NA's
1  1  597

patient.drugs.drug.22.bcr_drug_barcode:
tcga-12-3644-d23798          NA's
1          598

patient.drugs.drug.22.bcr_drug_uuid:
3d4e6f17-20f9-48b3-9cd4-45e0fc5fc0c5          NA's
1          598

patient.drugs.drug.22.day_of_form_completion:
18 NA's
1  598

patient.drugs.drug.22.days_to_drug_therapy_end:
1611 NA's
1  598

patient.drugs.drug.22.days_to_drug_therapy_start:
1583 NA's
1  598

patient.drugs.drug.22.drug_name:
rapamycin          NA's
1          598

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patient.drugs.drug.22.month_of_form_completion:

6 NA's
1 598

patient.drugs.drug.22.prescribed_dose:

5 NA's
1 598

patient.drugs.drug.22.prescribed_dose_units:

mg NA's
1 598

patient.drugs.drug.22.regimen_indication:

recurrence NA's
1 598

patient.drugs.drug.22.route_of_administrations.route_of_administration:

oral NA's
1 598

patient.drugs.drug.22.therapy_ongoing:

no NA's
1 598

patient.drugs.drug.22.therapy_types.therapy_type:

targeted molecular therapy NA's
1 598

patient.drugs.drug.22.total_dose:

140 NA's
1 598

patient.drugs.drug.22.total_dose_units:

mg NA's
1 598

patient.drugs.drug.22.year_of_form_completion:

2010 NA's
1 598

patient.drugs.drug.23.bcr_drug_barcode:

tcga-12-3644-d23797 NA's
1 598

patient.drugs.drug.23.bcr_drug_uuid:

cacb1786-abd9-4536-a242-45540f791df9 NA's
1 598

patient.drugs.drug.23.day_of_form_completion:

18 NA's
1 598

patient.drugs.drug.23.days_to_drug_therapy_end:

1583 NA's

1 598

patient.drugs.drug.23.days_to_drug_therapy_start:

1194 NA's

1 598

patient.drugs.drug.23.drug_name:

avastin NA's

1 598

patient.drugs.drug.23.month_of_form_completion:

6 NA's

1 598

patient.drugs.drug.23.prescribed_dose:

10 NA's

1 598

patient.drugs.drug.23.prescribed_dose_units:

mg NA's

1 598

patient.drugs.drug.23.regimen_indication:

recurrence NA's

1 598

patient.drugs.drug.23.route_of_administrations.route_of_administration:

intravenous (iv) NA's

1 598

patient.drugs.drug.23.therapy_ongoing:

no NA's

1 598

patient.drugs.drug.23.therapy_types.therapy_type:

targeted molecular therapy NA's

1 598

patient.drugs.drug.23.total_dose:

18900 NA's

1 598

patient.drugs.drug.23.total_dose_units:

mg NA's

1 598

patient.drugs.drug.23.year_of_form_completion:

2010 NA's

1 598

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patient.drugs.drug.24.bcr_drug_barcode:
tcga-12-3644-d23783          NA's
      1                      598

patient.drugs.drug.24.bcr_drug_uuid:
0e157e59-e867-420c-9dd5-3a6b49c3a65a          NA's
      1                      598

patient.drugs.drug.24.day_of_form_completion:
18 NA's
  1  598

patient.drugs.drug.24.days_to_drug_therapy_end:
179 NA's
  1  598

patient.drugs.drug.24.days_to_drug_therapy_start:
134 NA's
  1  598

patient.drugs.drug.24.drug_name:
ccnu NA's
  1  598

patient.drugs.drug.24.month_of_form_completion:
6 NA's
  1  598

patient.drugs.drug.24.number_cycles:
1 NA's
  1  598

patient.drugs.drug.24.prescribed_dose:
110 NA's
  1  598

patient.drugs.drug.24.prescribed_dose_units:
mg NA's
  1  598

patient.drugs.drug.24.regimen_indication:
adjuvant      NA's
      1      598

patient.drugs.drug.24.route_of_administrations.route_of_administration:
oral NA's
  1  598

patient.drugs.drug.24.therapy_ongoing:
no NA's
  1  598

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patient.drugs.drug.24.therapy_types.therapy_type:
chemotherapy      NA's
                  1      598

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patient.drugs.drug.24.total_dose:
190 NA's
   1  598

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```

patient.drugs.drug.24.total_dose_units:
mg NA's
   1  598

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```

patient.drugs.drug.24.year_of_form_completion:
2010 NA's
   1  598

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patient.drugs.drug.25.bcr_drug_barcode:
tcga-12-3644-d23785      NA's
                        1      598

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patient.drugs.drug.25.bcr_drug_uuid:
ccb25cca-36d9-4ff0-81fb-0f7fed05fce7      NA's
                                           1      598

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patient.drugs.drug.25.day_of_form_completion:
18 NA's
   1  598

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```

patient.drugs.drug.25.days_to_drug_therapy_end:
891 NA's
   1  598

```

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patient.drugs.drug.25.days_to_drug_therapy_start:
861 NA's
   1  598

```

```

patient.drugs.drug.25.drug_name:
temodar      NA's
             1      598

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patient.drugs.drug.25.month_of_form_completion:
6 NA's
   1  598

```

```

patient.drugs.drug.25.number_cycles:
1 NA's
   1  598

```

```

patient.drugs.drug.25.prescribed_dose:
200 NA's
   1  598

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patient.drugs.drug.25.prescribed_dose_units:

mg NA's
1 598

patient.drugs.drug.25.regimen_indication:

recurrence NA's
1 598

patient.drugs.drug.25.route_of_administrations.route_of_administration:

oral NA's
1 598

patient.drugs.drug.25.therapy_ongoing:

no NA's
1 598

patient.drugs.drug.25.therapy_types.therapy_type:

chemotherapy NA's
1 598

patient.drugs.drug.25.total_dose:

1700 NA's
1 598

patient.drugs.drug.25.total_dose_units:

mg NA's
1 598

patient.drugs.drug.25.year_of_form_completion:

2010 NA's
1 598

patient.drugs.drug.26.bcr_drug_barcode:

tcga-12-3644-d23789 NA's
1 598

patient.drugs.drug.26.bcr_drug_uuid:

cc42c290-fa86-4ad5-b0a0-c6db17608271 NA's
1 598

patient.drugs.drug.26.day_of_form_completion:

18 NA's
1 598

patient.drugs.drug.26.days_to_drug_therapy_end:

1611 NA's
1 598

patient.drugs.drug.26.days_to_drug_therapy_start:

1583 NA's
1 598


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patient.drugs.drug.26.drug_name:
hydroxyurea          NA's
      1              598

patient.drugs.drug.26.month_of_form_completion:
      6 NA's
      1 598

patient.drugs.drug.26.number_cycles:
      1 NA's
      1 598

patient.drugs.drug.26.prescribed_dose:
      500 NA's
      1 598

patient.drugs.drug.26.prescribed_dose_units:
      mg NA's
      1 598

patient.drugs.drug.26.regimen_indication:
recurrence          NA's
      1              598

patient.drugs.drug.26.route_of_administrations.route_of_administration:
oral NA's
      1 598

patient.drugs.drug.26.therapy_ongoing:
      no NA's
      1 598

patient.drugs.drug.26.therapy_types.therapy_type:
chemotherapy        NA's
      1              598

patient.drugs.drug.26.total_dose:
      14000 NA's
      1     598

patient.drugs.drug.26.total_dose_units:
      mg NA's
      1 598

patient.drugs.drug.26.year_of_form_completion:
      2010 NA's
      1 598

patient.drugs.drug.27.bcr_drug_barcode:
tcga-12-3644-d23786          NA's
      1                        598
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patient.drugs.drug.27.bcr_drug_uuid:
f608e57b-5a19-4c7b-a0ca-2374cc403f4c      NA's
                                           1      598

patient.drugs.drug.27.day_of_form_completion:
18 NA's
1 598

patient.drugs.drug.27.days_to_drug_therapy_end:
1142 NA's
1 598

patient.drugs.drug.27.days_to_drug_therapy_start:
1030 NA's
1 598

patient.drugs.drug.27.drug_name:
temodar      NA's
1           598

patient.drugs.drug.27.month_of_form_completion:
6 NA's
1 598

patient.drugs.drug.27.number_cycles:
7 NA's
1 598

patient.drugs.drug.27.prescribed_dose:
50 NA's
1 598

patient.drugs.drug.27.prescribed_dose_units:
mg NA's
1 598

patient.drugs.drug.27.regimen_indication:
recurrence      NA's
1              598

patient.drugs.drug.27.route_of_administrations.route_of_administration:
oral NA's
1 598

patient.drugs.drug.27.therapy_ongoing:
no NA's
1 598

patient.drugs.drug.27.therapy_types.therapy_type:
chemotherapy      NA's
1                598

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patient.drugs.drug.27.total_dose:

10080 NA's
1 598

patient.drugs.drug.27.total_dose_units:

mg NA's
1 598

patient.drugs.drug.27.year_of_form_completion:

2010 NA's
1 598

patient.drugs.drug.28.bcr_drug_barcode:

tcga-12-3644-d23806 NA's
1 598

patient.drugs.drug.28.bcr_drug_uuid:

122e2df6-bcb0-4e33-b374-23e17d9de4ae NA's
1 598

patient.drugs.drug.28.day_of_form_completion:

18 NA's
1 598

patient.drugs.drug.28.days_to_drug_therapy_end:

1722 NA's
1 598

patient.drugs.drug.28.days_to_drug_therapy_start:

1639 NA's
1 598

patient.drugs.drug.28.drug_name:

acctuane NA's
1 598

patient.drugs.drug.28.month_of_form_completion:

6 NA's
1 598

patient.drugs.drug.28.prescribed_dose:

80 NA's
1 598

patient.drugs.drug.28.prescribed_dose_units:

mg NA's
1 598

patient.drugs.drug.28.regimen_indication:

recurrence NA's
1 598

patient.drugs.drug.3.number_cycles:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0.500	1.000	2.000	4.058	4.000	75.000	470

patient.drugs.drug.3.regimen_indication:

adjuvant	other: specify in notes	recurrence	NA's	progression
109				67
		27	393	

patient.drugs.drug.3.regimen_indication_notes:

adjuvant and progression	maintainence	NA's	maintenance
1			1
		596	1

patient.drugs.drug.3.regimen_number:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1.000	2.000	2.000	2.304	3.000	5.000	576

patient.drugs.drug.3.route_of_administrations.route_of_administration:

intratumoral	intravenous (iv)	NA's	oral
2	56		103
other (specify below)		428	

patient.drugs.drug.3.therapy_ongoing:

no	yes	NA's
173	17	409

patient.drugs.drug.3.therapy_types.therapy_type:

chemotherapy	hormone therapy	immunotherapy	targeted molecular therapy	NA's
170	18	4	33	
				374

patient.drugs.drug.3.total_dose:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0.4	110.0	357.5	8053.1	1850.0	603500.0	451

patient.drugs.drug.3.tx_on_clinical_trial:

no	yes	NA's
11	2	586

patient.drugs.drug.3.year_of_form_completion:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
------	---------	--------	------	---------	------	------

	2009	2009	2010	2010	2011	2015	371
patient.drugs.drug.4.day_of_form_completion:							
Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's	
1.00	11.00	17.00	16.68	24.00	31.00	452	
patient.drugs.drug.4.days_to_drug_therapy_end:							
Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's	
0.0	174.2	319.0	386.3	473.0	2614.0	481	
patient.drugs.drug.4.days_to_drug_therapy_start:							
Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's	
-11.0	72.0	175.0	266.2	351.0	2572.0	466	
patient.drugs.drug.4.measure_of_response:							
clinical progressive disease						NA's	
						3	596
patient.drugs.drug.4.month_of_form_completion:							
Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's	
1.000	3.000	5.000	5.946	8.000	12.000	452	
patient.drugs.drug.4.number_cycles:							
Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's	
1.000	1.000	2.000	3.595	4.000	30.000	515	
patient.drugs.drug.4.prescribed_dose:							
Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's	
4.0	10.0	75.0	233.9	255.0	4000.0	547	
patient.drugs.drug.4.regimen_indication:							
adjuvant other: specify in notes						progression	
						70	1
recurrence						NA's	45
						21	462
patient.drugs.drug.4.regimen_indication_notes:							
adjuvant and progression						NA's	
						1	598
patient.drugs.drug.4.regimen_number:							
1	2	3	4	NA's			
2	5	4	2	586			
patient.drugs.drug.4.route_of_administrations.route_of_administration:							
intratumoral		intravenous (iv)		oral			
		1		34		71	
other (specify below)				NA's			

6

487

patient.drugs.drug.4.therapy_ongoing:

no	yes	NA's
114	9	476

patient.drugs.drug.4.therapy_types.therapy_type:

chemotherapy	hormone therapy
108	9
immunotherapy	targeted molecular therapy
2	28
NA's	
452	

patient.drugs.drug.4.total_dose:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
4	100	255	6646	2600	216600	494

patient.drugs.drug.4.tx_on_clinical_trial:

no	yes	NA's
6	2	591

patient.drugs.drug.4.year_of_form_completion:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
2009	2009	2010	2010	2011	2015	452

patient.drugs.drug.5.day_of_form_completion:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1.00	9.75	17.00	16.69	24.00	30.00	503

patient.drugs.drug.5.days_to_drug_therapy_end:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0.0	202.2	379.5	462.1	580.5	2228.0	519

patient.drugs.drug.5.days_to_drug_therapy_start:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
-7.0	102.5	262.0	335.4	442.0	1986.0	512

patient.drugs.drug.5.month_of_form_completion:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1.000	4.000	5.000	5.969	9.000	12.000	503

patient.drugs.drug.5.number_cycles:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1.000	1.000	2.000	3.688	5.000	22.000	538

patient.drugs.drug.5.prescribed_dose:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
------	---------	--------	------	---------	------	------

5.0 75.0 125.0 186.8 200.0 949.0 569

patient.drugs.drug.5.regimen_indication:
 adjuvant other: specify in notes progression
 32 1 42
 recurrence NA's
 14 510

patient.drugs.drug.5.regimen_indication_notes:
 concurrent NA's
 1 598

patient.drugs.drug.5.regimen_number:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 1.00 2.00 2.00 2.80 3.75 5.00 589

patient.drugs.drug.5.route_of_administrations.route_of_administration:
 intravenous (iv) oral other (specify below)
 19 45 4
 NA's
 531

patient.drugs.drug.5.therapy_ongoing:
 no yes NA's
 78 3 518

patient.drugs.drug.5.therapy_types.therapy_type:
 chemotherapy hormone therapy
 73 5
 immunotherapy targeted molecular therapy
 2 16
 NA's
 503

patient.drugs.drug.5.total_dose:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 0.4 93.8 210.0 13803.3 1545.0 828000.0 531

patient.drugs.drug.5.tx_on_clinical_trial:
 no NA's
 5 594

patient.drugs.drug.5.year_of_form_completion:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 2009 2009 2010 2010 2010 2015 503

patient.drugs.drug.6.day_of_form_completion:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's

1.0	8.5	17.0	16.4	24.0	30.0	532
-----	-----	------	------	------	------	-----

patient.drugs.drug.6.days_to_drug_therapy_end:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0.0	303.5	390.0	533.3	600.0	2114.0	536

patient.drugs.drug.6.days_to_drug_therapy_start:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
-5.0	182.5	300.0	402.9	489.5	1873.0	532

patient.drugs.drug.6.month_of_form_completion:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1.000	4.000	5.000	6.209	9.000	12.000	532

patient.drugs.drug.6.number_cycles:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1.000	1.000	2.000	3.345	4.000	14.000	557

patient.drugs.drug.6.prescribed_dose:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
2.0	25.0	160.0	295.1	200.0	2000.0	575

patient.drugs.drug.6.prescribed_dose_units:

{wafer}	mg	mg/kg	mg/m2	NA's
2	26	5	21	545

patient.drugs.drug.6.regimen_indication:

adjuvant	progression	recurrence	NA's
25	30	8	536

patient.drugs.drug.6.regimen_number:

1	3	4	NA's
3	2	2	592

patient.drugs.drug.6.route_of_administrations.route_of_administration:

intratumoral	intravenous (iv)	oral
1	16	33
other (specify below)	NA's	
2	547	

patient.drugs.drug.6.therapy_ongoing:

no	yes	NA's
61	1	537

patient.drugs.drug.6.therapy_types.therapy_type:

chemotherapy	hormone therapy
45	7
immunotherapy	targeted molecular therapy
2	13
NA's	
532	

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patient.drugs.drug.6.total_dose:
  Min. 1st Qu.  Median  Mean 3rd Qu.  Max.  NA's
  2.6   100.0   200.0 22713.6 1550.0 1045500.0 549

patient.drugs.drug.6.total_dose_units:
{wafer}  mg  mg/kg  mg/m2  NA's
  2     32    3     17    545

patient.drugs.drug.6.tx_on_clinical_trial:
no NA's
  3 596

patient.drugs.drug.6.year_of_form_completion:
  Min. 1st Qu.  Median  Mean 3rd Qu.  Max.  NA's
  2009  2009    2010   2010  2011    2013  532

patient.drugs.drug.7.day_of_form_completion:
  Min. 1st Qu.  Median  Mean 3rd Qu.  Max.  NA's
  1.00  7.50   18.00  17.04  24.00  30.00  548

patient.drugs.drug.7.days_to_drug_therapy_end:
  Min. 1st Qu.  Median  Mean 3rd Qu.  Max.  NA's
  0.0   136.0   385.0  407.8  570.0  1468.0  550

patient.drugs.drug.7.days_to_drug_therapy_start:
  Min. 1st Qu.  Median  Mean 3rd Qu.  Max.  NA's
  -7.0  30.0   232.0  285.9  460.5  1307.0  548

patient.drugs.drug.7.month_of_form_completion:
  Min. 1st Qu.  Median  Mean 3rd Qu.  Max.  NA's
  1.000  4.000   5.000  6.274  8.500  12.000  548

patient.drugs.drug.7.number_cycles:
  Min. 1st Qu.  Median  Mean 3rd Qu.  Max.  NA's
  1.000  1.000   2.000  2.655  4.000  12.000  570

patient.drugs.drug.7.prescribed_dose:
  Min. 1st Qu.  Median  Mean 3rd Qu.  Max.  NA's
  0.25  22.00  140.00  286.01  295.00  2000.00  580

patient.drugs.drug.7.regimen_indication:
  adjuvant progression recurrence  NA's
  29          14          3        553

patient.drugs.drug.7.regimen_number:
  1  2  4 NA's
  4  1  1 593

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patient.drugs.drug.7.route_of_administrations.route_of_administration.2:
 intravenous (iv) NA's
 1 598

patient.drugs.drug.7.therapy_ongoing:
 no NA's
 44 555

patient.drugs.drug.7.therapy_types.therapy_type:
 chemotherapy hormone therapy
 31 5
 immunotherapy targeted molecular therapy
 1 14
 NA's
 548

patient.drugs.drug.7.total_dose:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 8.0 73.5 150.0 18266.9 1685.0 654000.0 559

patient.drugs.drug.7.tx_on_clinical_trial:
 no NA's
 3 596

patient.drugs.drug.7.year_of_form_completion:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 2009 2009 2010 2010 2011 2013 548

patient.drugs.drug.8.day_of_form_completion:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 1.0 10.0 17.0 17.3 24.0 30.0 562

patient.drugs.drug.8.days_to_drug_therapy_end:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 60.0 281.8 434.5 587.0 705.8 1817.0 563

patient.drugs.drug.8.days_to_drug_therapy_start:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 15.0 171.0 355.0 533.1 585.0 2259.0 562

patient.drugs.drug.8.month_of_form_completion:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 2.000 5.000 6.000 6.757 9.000 12.000 562

patient.drugs.drug.8.number_cycles:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's

1.00	1.00	2.00	3.76	5.00	19.00	574
------	------	------	------	------	-------	-----

patient.drugs.drug.8.prescribed_dose:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
10.00	81.25	132.50	179.64	190.00	750.00	585

patient.drugs.drug.8.prescribed_dose_units:

mg	mg/day	mg/kg	mg/m2	NA's
18	1	1	11	568

patient.drugs.drug.8.regimen_indication:

adjuvant	progression	recurrence	NA's
15	15	5	564

patient.drugs.drug.8.regimen_number:

1	3	4	6	NA's
2	2	1	1	593

patient.drugs.drug.8.route_of_administrations.route_of_administration:

intravenous (iv)	oral	other (specify below)
8	22	1
NA's		
568		

patient.drugs.drug.8.therapy_ongoing:

no	yes	NA's
34	1	564

patient.drugs.drug.8.therapy_types.therapy_type:

chemotherapy	hormone therapy
26	2
targeted molecular therapy	NA's
9	562

patient.drugs.drug.8.total_dose:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
5.0	140.0	200.6	6898.9	3200.0	66750.0	569

patient.drugs.drug.8.total_dose_units:

mg	mg/day	mg/kg	mg/m2	NA's
22	1	1	7	568

patient.drugs.drug.8.tx_on_clinical_trial:

no	NA's
2	597

patient.drugs.drug.8.year_of_form_completion:

2009	2010	2011	2012	NA's
18	8	8	3	562

```

patient.drugs.drug.9.day_of_form_completion:
  Min. 1st Qu.  Median    Mean 3rd Qu.  Max.    NA's
    1.0   10.5   17.5   17.2   24.0   29.0     579

patient.drugs.drug.9.days_to_drug_therapy_end:
  Min. 1st Qu.  Median    Mean 3rd Qu.  Max.    NA's
  22.0  190.8   392.5   475.6   622.0  1639.0     579

patient.drugs.drug.9.days_to_drug_therapy_start:
  Min. 1st Qu.  Median    Mean 3rd Qu.  Max.    NA's
  22.0  136.8   343.5   402.9   471.5  1611.0     579

patient.drugs.drug.9.month_of_form_completion:
  Min. 1st Qu.  Median    Mean 3rd Qu.  Max.    NA's
   3.00   4.00   5.00   5.80   6.25  11.00     579

patient.drugs.drug.9.number_cycles:
  Min. 1st Qu.  Median    Mean 3rd Qu.  Max.    NA's
  1.000   1.000   3.000   2.727   3.500   7.000     588

patient.drugs.drug.9.prescribed_dose:
  10 110 125 200 NA's
   1   1   1   1  595

patient.drugs.drug.9.prescribed_dose_units:
  mci    mg mg/m2  NA's
   2    11    5   581

patient.drugs.drug.9.regimen_indication:
  adjuvant progression recurrence    NA's
      11           7           1     580

patient.drugs.drug.9.route_of_administrations.route_of_administration:
intravenous (iv)                oral                NA's
                6                6                587

patient.drugs.drug.9.therapy_ongoing:
  no  yes NA's
  17   1  581

patient.drugs.drug.9.therapy_types.therapy_type:
                chemotherapy                hormone therapy
                11                            2
targeted molecular therapy                NA's
                7                            579

patient.drugs.drug.9.total_dose:
  Min. 1st Qu.  Median    Mean 3rd Qu.  Max.    NA's
    20   110   210   1259   1038  14000     581

patient.drugs.drug.9.total_dose_units:

```

mci	mg	mg/m2	NA's
2	11	5	581

patient.drugs.drug.9.tx_on_clinical_trial:
no NA's
1 598

patient.drugs.drug.9.year_of_form_completion:
2009 2010 2011 2012 NA's
14 4 1 1 579

patient.drugs.drug.clinical_trail_drug_classification:
chemotherapy NA's
1 598

patient.drugs.drug.day_of_form_completion:
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
1.00 7.00 16.00 15.84 24.00 31.00 158

patient.drugs.drug.days_to_drug_therapy_end:
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
-124.0 72.0 149.5 284.0 329.2 3942.0 239

patient.drugs.drug.days_to_drug_therapy_start:
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
-260.0 24.0 52.0 168.9 142.5 3735.0 185

patient.drugs.drug.measure_of_response:
clinical progressive disease complete response
2 2
stable disease NA's
5 590

patient.drugs.drug.month_of_form_completion:
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
1.000 4.000 5.000 6.104 9.000 12.000 158

patient.drugs.drug.number_cycles:
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
0.500 1.000 2.000 3.613 5.000 30.000 321

patient.drugs.drug.regimen_indication_notes:
adjuvant and progression concurrent concurrent chemoradiation
3 4 2
peri-operative placement NA's
1 589

patient.drugs.drug.regimen_number:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1.000	1.000	1.000	1.815	2.000	5.000	572

patient.drugs.drug.route_of_administrations.route_of_administration.2:
intravenous (iv)

	NA's
1	598

patient.drugs.drug.therapy_ongoing:

no	yes	NA's
356	30	213

patient.drugs.drug.therapy_types.therapy_type:

chemotherapy	hormone therapy
359	37
immunotherapy	targeted molecular therapy
6	39
NA's	
158	

patient.drugs.drug.total_dose:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1	120	280	5363	2112	444000	308

patient.drugs.drug.tx_on_clinical_trial:

no	yes	NA's
10	2	587

patient.drugs.drug.year_of_form_completion:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
2009	2009	2010	2010	2011	2014	158

patient.eastern_cancer_oncology_group:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0.000	1.000	1.000	1.206	1.000	4.000	526

patient.ethnicity:

hispanic or latino	not hispanic or latino	NA's
13	489	97

patient.follow_ups.follow_up.2.day_of_form_completion:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
5.00	13.00	15.00	17.99	22.00	31.00	530

patient.follow_ups.follow_up.2.days_to_death:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
105.0	395.0	517.0	746.7	811.2	2681.0	557

patient.follow_ups.follow_up.2.days_to_last_followup:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 77.0 267.0 436.0 652.2 812.5 2768.0 568

patient.follow_ups.follow_up.2.eastern_cancer_oncology_group:
 0 1 NA's
 1 2 596

patient.follow_ups.follow_up.2.followup_case_report_form_submission_reason:
 additional new tumor event scheduled follow-up submission
 1 39
 NA's
 559

patient.follow_ups.follow_up.2.followup_treatment_success:
 progressive disease NA's
 5 594

patient.follow_ups.follow_up.2.karnofsky_performance_score:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 50.00 70.00 90.00 83.64 100.00 100.00 555

patient.follow_ups.follow_up.2.lost_follow_up:
 no NA's
 11 588

patient.follow_ups.follow_up.2.month_of_form_completion:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 1.00 3.00 7.00 6.58 9.00 12.00 530

patient.follow_ups.follow_up.2.new_tumor_events.new_tumor_event.2.additional_ph
 no yes NA's
 3 2 594

patient.follow_ups.follow_up.2.new_tumor_events.new_tumor_event.2.additional_rad
 no yes NA's
 3 2 594

patient.follow_ups.follow_up.2.new_tumor_events.new_tumor_event.2.days_to_new_tu
 324 357 396 984 NA's
 1 1 1 1 595

patient.follow_ups.follow_up.2.new_tumor_events.new_tumor_event.2.days_to_new_tu
 356 382 647 NA's
 1 1 1 596

patient.follow_ups.follow_up.2.new_tumor_events.new_tumor_event.2.new_neoplasm_e
 locoregional disease NA's
 4 595

patient.follow_ups.follow_up.2.new_tumor_events.new_tumor_event.2.new_tumor_even


```

yes NA's
  4 595

patient.follow_ups.follow_up.2.new_tumor_events.new_tumor_event.additional_pharm
no yes NA's
  6 32 561

patient.follow_ups.follow_up.2.new_tumor_events.new_tumor_event.additional_radia
no yes NA's
 17 21 561

patient.follow_ups.follow_up.2.new_tumor_events.new_tumor_event.days_to_new_tumo
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.   NA's
    91   338    670    513   711    755   594

patient.follow_ups.follow_up.2.new_tumor_events.new_tumor_event.days_to_new_tumo
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.   NA's
 41.0  177.5   260.0   400.6  433.0 2517.0   559

patient.follow_ups.follow_up.2.new_tumor_events.new_tumor_event.new_neoplasm_eve
  locoregional disease progression of disease          recurrence
                5                13                6
                NA's
                575

patient.follow_ups.follow_up.2.new_tumor_events.new_tumor_event.new_tumor_event
yes NA's
  5 594

patient.follow_ups.follow_up.2.new_tumor_events.new_tumor_event_after_initial_tr
no yes NA's
  1  3 595

patient.follow_ups.follow_up.2.performance_status_scale_timing:
  adjuvant therapy post-adjuvant therapy pre-adjuvant therapy
                1                26                11
  pre-operative          NA's
                6                555

patient.follow_ups.follow_up.2.person_neoplasm_cancer_status:
tumor free with tumor          NA's
    5          54          540

patient.follow_ups.follow_up.2.postoperative_rx_tx:
no yes NA's
  3  54 542

patient.follow_ups.follow_up.2.primary_therapy_outcome_success:
progressive disease          stable disease          NA's
    3          3          593

patient.follow_ups.follow_up.2.radiation_therapy:

```

```
no yes NA's
2 55 542
```

```
patient.follow_ups.follow_up.2.vital_status:
alive dead NA's
27 42 530
```

```
patient.follow_ups.follow_up.2.year_of_form_completion:
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
2011 2011 2011 2012 2012 2015 530
```

```
patient.follow_ups.follow_up.3.day_of_form_completion:
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
3.00 11.25 21.00 17.60 24.00 24.00 589
```

```
patient.follow_ups.follow_up.3.days_to_death:
388 544 585 713 NA's
1 1 1 1 595
```

```
patient.follow_ups.follow_up.3.days_to_last_followup:
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
415.0 612.0 640.0 656.7 678.5 951.0 593
```

```
patient.follow_ups.follow_up.3.followup_case_report_form_submission_reason:
additional new tumor event scheduled follow-up submission
1 3
NA's
595
```

```
patient.follow_ups.follow_up.3.followup_treatment_success:
progressive disease NA's
1 598
```

```
patient.follow_ups.follow_up.3.karnofsky_performance_score:
70 NA's
1 598
```

```
patient.follow_ups.follow_up.3.lost_follow_up:
no NA's
5 594
```

```
patient.follow_ups.follow_up.3.month_of_form_completion:
4 7 8 10 NA's
1 6 1 2 589
```

```
patient.follow_ups.follow_up.3.new_tumor_events.new_tumor_event.additional_pharm
no yes NA's
2 1 596
```

```
patient.follow_ups.follow_up.3.new_tumor_events.new_tumor_event.additional_radia
```

no	yes	NA's	
2	1	596	

patient.follow_ups.follow_up.3.new_tumor_events.new_tumor_event.days_to_new_tumor_event:
436 NA's
1 598

patient.follow_ups.follow_up.3.new_tumor_events.new_tumor_event.days_to_new_tumor_event:
93 436 NA's
1 1 597

patient.follow_ups.follow_up.3.new_tumor_events.new_tumor_event.new_neoplasm_event:
locoregional disease progression of disease NA's
1 1 597

patient.follow_ups.follow_up.3.new_tumor_events.new_tumor_event.new_tumor_event:
yes NA's
1 598

patient.follow_ups.follow_up.3.new_tumor_events.new_tumor_event_after_initial_treatment:
no NA's
1 598

patient.follow_ups.follow_up.3.performance_status_scale_timing:
post-adjuvant therapy NA's
1 598

patient.follow_ups.follow_up.3.person_neoplasm_cancer_status:
tumor free with tumor NA's
1 6 592

patient.follow_ups.follow_up.3.postoperative_rx_tx:
no yes NA's
1 8 590

patient.follow_ups.follow_up.3.primary_therapy_outcome_success:
progressive disease NA's
1 598

patient.follow_ups.follow_up.3.radiation_therapy:
no yes NA's
1 8 590

patient.follow_ups.follow_up.3.vital_status:
alive dead NA's
5 4 590

patient.follow_ups.follow_up.3.year_of_form_completion:
2011 2012 2013 NA's
3 1 6 589

patient.follow_ups.follow_up.4.bcr_followup_barcode:

```

tcga-32-2638-f30533 tcga-32-4209-f29186 NA's
1 1 597

patient.follow_ups.follow_up.4.bcr_followup_uuid:
582490c2-7f5a-4c8a-86f0-f9ccd82a418f e2426165-cae0-4437-9921-f92d85381384
1 1
NA's
597

patient.follow_ups.follow_up.4.day_of_form_completion:
3 5 NA's
1 1 597

patient.follow_ups.follow_up.4.days_to_death:
618 766 NA's
1 1 597

patient.follow_ups.follow_up.4.followup_case_report_form_submission_reason:
additional new tumor event scheduled follow-up submission
1 1
NA's
597

patient.follow_ups.follow_up.4.month_of_form_completion:
3 4 NA's
1 1 597

patient.follow_ups.follow_up.4.person_neoplasm_cancer_status:
with tumor NA's
2 597

patient.follow_ups.follow_up.4.postoperative_rx_tx:
no NA's
1 598

patient.follow_ups.follow_up.4.radiation_therapy:
no NA's
1 598

patient.follow_ups.follow_up.4.vital_status:
dead NA's
2 597

patient.follow_ups.follow_up.4.year_of_form_completion:
2012 NA's
2 597

patient.follow_ups.follow_up.day_of_form_completion:
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
1.00 10.00 15.50 14.56 19.00 31.00 27

```

patient.follow_ups.follow_up.days_to_death:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
3.0	154.0	360.0	479.5	575.5	3881.0	171

patient.follow_ups.follow_up.days_to_last_followup:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0.0	145.0	301.5	428.3	515.2	3881.0	47

patient.follow_ups.follow_up.eastern_cancer_oncology_group:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0.000	1.000	1.000	1.254	1.000	4.000	528

patient.follow_ups.follow_up.followup_case_report_form_submission_reason:

scheduled follow-up submission		NA's
	30	569

patient.follow_ups.follow_up.followup_treatment_success:

complete remission/response		progressive disease
	1	5
stable disease		NA's
	3	590

patient.follow_ups.follow_up.karnofsky_performance_score:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0.00	72.50	80.00	76.99	80.00	100.00	181

patient.follow_ups.follow_up.lost_follow_up:

no	yes	NA's
14	3	582

patient.follow_ups.follow_up.month_of_form_completion:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1.000	6.000	10.000	8.645	12.000	12.000	27

patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.2.additional_pharm

no	yes	NA's
27	88	484

patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.2.additional_radia

no	yes	NA's
97	24	478

patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.2.days_to_new_tumo

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
-144.0	158.2	277.0	390.1	469.0	1936.0	491

patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.2.days_to_new_tumo

100	188	342	407	NA's
1	1	1	1	595

patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.2.new_neoplasm_eve

locoregional disease		recurrence		NA's
	121		3	475

patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.2.new_tumor_event_

yes	NA's
120	479

patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.3.additional_pharm

no	yes	NA's
1	2	596

patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.3.additional_radiat

no	NA's
3	596

patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.3.days_to_new_tumor

142	NA's
1	598

patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.3.days_to_new_tumor

100	342	NA's
1	1	597

patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.3.new_neoplasm_event

metastatic	NA's
1	598

patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.3.new_tumor_event_

yes	NA's
1	598

patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.additional_pharmac

no	yes	NA's
129	200	270

patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.additional_radiati

no	yes	NA's
311	55	233

patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.days_to_new_tumor

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
20.0	165.0	324.0	449.7	415.5	1643.0	592

patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.days_to_new_tumor

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
4.0	100.5	194.0	299.8	341.5	2339.0	233

patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.new_neoplasm_event

locoregional disease	progression of disease	recurrence
	8	252
	NA's	103
	236	

patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.new_tumor_event_ad
 yes NA's
 8 591

patient.follow_ups.follow_up.new_tumor_events.new_tumor_event_after_initial_trea
 no yes NA's
 4 4 591

patient.follow_ups.follow_up.performance_status_scale_timing:
 other post-adjuvant therapy pre-adjuvant therapy
 28 76 124
 pre-operative NA's
 122 249

patient.follow_ups.follow_up.person_neoplasm_cancer_status:
 tumor free with tumor NA's
 28 487 84

patient.follow_ups.follow_up.postoperative_rx_tx:
 no yes NA's
 69 453 77

patient.follow_ups.follow_up.primary_therapy_outcome_success:
 complete remission/response progressive disease
 1 6
 stable disease NA's
 4 588

patient.follow_ups.follow_up.radiation_therapy:
 no yes NA's
 70 482 47

patient.follow_ups.follow_up.vital_status:
 alive dead NA's
 143 428 28

patient.follow_ups.follow_up.year_of_form_completion:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 2008 2008 2009 2009 2010 2015 27

patient.gender:
 female male NA's
 230 365 4

patient.histological_type:
 glioblastoma multiforme (gbm) treated primary gbm
 31 20
 untreated primary (de novo) gbm NA's
 544 4

patient.history_of_neoadjuvant_treatment:

no yes NA's
573 21 5

patient.icd_o_3_histology:
9440/3 NA's
595 4

patient.informed_consent_verified:
yes NA's
595 4

patient.karnofsky_performance_score:
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
0.00 70.00 80.00 77.15 80.00 100.00 161

patient.month_of_form_completion:
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
1.000 6.000 9.000 8.563 12.000 12.000 4

patient.new_tumor_events.new_tumor_event.2.additional_pharmaceutical_therapy:
yes NA's
2 597

patient.new_tumor_events.new_tumor_event.2.additional_radiation_therapy:
no NA's
2 597

patient.new_tumor_events.new_tumor_event.2.days_to_new_tumor_event_after_initial
100 256 1550 NA's
1 1 1 596

patient.new_tumor_events.new_tumor_event.2.new_neoplasm_event_type:
recurrence NA's
2 597

patient.new_tumor_events.new_tumor_event.3.additional_pharmaceutical_therapy:
yes NA's
1 598

patient.new_tumor_events.new_tumor_event.3.additional_radiation_therapy:
no NA's
1 598

patient.new_tumor_events.new_tumor_event.3.days_to_new_tumor_event_additional_su
270 NA's
1 598

patient.new_tumor_events.new_tumor_event.3.new_neoplasm_event_type:
locoregional disease NA's

1 598

patient.new_tumor_events.new_tumor_event.additional_pharmaceutical_therapy:
 no yes NA's
 1 2 596

patient.new_tumor_events.new_tumor_event.additional_radiation_therapy:
 no NA's
 3 596

patient.new_tumor_events.new_tumor_event.days_to_new_tumor_event_after_initial_t
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 46.0 100.0 256.0 464.2 369.0 1550.0 594

patient.new_tumor_events.new_tumor_event.new_neoplasm_event_type:
 progression of disease recurrence NA's
 4 1 594

patient.new_tumor_events.new_tumor_event_after_initial_treatment:
 no yes NA's
 3 1 595

patient.performance_status_scale_timing:
 other post-adjuvant therapy pre-adjuvant therapy
 27 76 134
 pre-operative NA's
 132 230

patient.person_neoplasm_cancer_status:
 tumor free with tumor NA's
 30 508 61

patient.postoperative_rx_tx:
 no yes NA's
 5 20 574

patient.primary_therapy_outcome_success:
 complete remission/response partial remission/response
 2 2
 progressive disease stable disease
 5 6
 NA's
 584

patient.prior_dx:
 no yes, history of prior malignancy
 30 1
 NA's
 568

patient.prior_glioma:

```

no  yes NA's
580 15   4

```

patient.race:

```

asian black or african american      white
    13                51                506
NA's
    29

```

patient.radiation_therapy:

```

no  yes NA's
5   19 575

```

patient.radiations.radiation.2.anatomic_treatment_site:

```

distant recurrence    local recurrence primary tumor field    regional site
                2                23                49                3
NA's
    522

```

patient.radiations.radiation.2.course_number:

```

1    2 NA's
3   14 582

```

patient.radiations.radiation.2.day_of_form_completion:

```

Min. 1st Qu.  Median    Mean 3rd Qu.    Max.    NA's
2.00  11.00   17.00   16.77  22.00   31.00   517

```

patient.radiations.radiation.2.days_to_radiation_therapy_end:

```

Min. 1st Qu.  Median    Mean 3rd Qu.    Max.    NA's
16.0   67.0   113.0   278.5  368.0  1906.0   526

```

patient.radiations.radiation.2.days_to_radiation_therapy_start:

```

Min. 1st Qu.  Median    Mean 3rd Qu.    Max.    NA's
9.0    27.5    88.0   254.0  355.2  1906.0   523

```

patient.radiations.radiation.2.month_of_form_completion:

```

Min. 1st Qu.  Median    Mean 3rd Qu.    Max.    NA's
1.00   5.00   7.00   7.61  11.75   12.00   517

```

patient.radiations.radiation.2.numfractions:

```

Min. 1st Qu.  Median    Mean 3rd Qu.    Max.    NA's
1.0    3.0    8.0   12.7   23.0   60.0   534

```

patient.radiations.radiation.2.radiation_dosage:

```

Min. 1st Qu.  Median    Mean 3rd Qu.    Max.    NA's
18   1800   3200   3401   5940   8000   528

```

patient.radiations.radiation.2.radiation_treatment_ongoing:

```

no  yes NA's
73   1 525

```

patient.radiations.radiation.2.radiation_type:
 external external beam other: specify in notes
 2 48 27
 radioisotopes NA's
 1 521

patient.radiations.radiation.2.regimen_indication:
 adjuvant other: specify in notes progression
 42 1 32
 recurrence NA's
 4 520

patient.radiations.radiation.2.units:
 cgy NA's
 72 527

patient.radiations.radiation.2.year_of_form_completion:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 2008 2009 2011 2010 2011 2013 517

patient.radiations.radiation.3.anatomic_treatment_site:
 local recurrence primary tumor field NA's
 7 8 584

patient.radiations.radiation.3.course_number:
 1 2 3 NA's
 1 1 1 596

patient.radiations.radiation.3.day_of_form_completion:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 6.00 11.00 19.00 17.41 23.00 29.00 582

patient.radiations.radiation.3.days_to_radiation_therapy_end:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 53.0 67.5 324.0 375.5 539.5 1367.0 584

patient.radiations.radiation.3.days_to_radiation_therapy_start:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 11.0 25.5 324.0 359.9 539.5 1367.0 584

patient.radiations.radiation.3.month_of_form_completion:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 1.000 7.000 8.000 7.588 10.000 12.000 582

patient.radiations.radiation.3.numfractions:
 1 3 30 NA's
 7 1 6 585

patient.radiations.radiation.3.radiation_dosage:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
18	1450	1800	2629	4400	6000	584

patient.radiations.radiation.3.radiation_treatment_ongoing:

no NA's
13 586

patient.radiations.radiation.3.radiation_type:

external	external beam	other: specify in notes
3	4	8
radioisotopes	NA's	
1	583	

patient.radiations.radiation.3.regimen_indication:

adjuvant	progression	recurrence	NA's
4	5	5	585

patient.radiations.radiation.3.units:

cgY NA's
14 585

patient.radiations.radiation.3.year_of_form_completion:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
2008	2010	2011	2011	2011	2013	582

patient.radiations.radiation.4.anatomic_treatment_site:

local recurrence	primary tumor	field	regional site	NA's
2	2	1	594	

patient.radiations.radiation.4.course_number:

2 4 NA's
1 1 597

patient.radiations.radiation.4.day_of_form_completion:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
14	16	17	19	22	26	594

patient.radiations.radiation.4.days_to_radiation_therapy_end:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
16.0	68.0	159.0	224.6	324.0	556.0	594

patient.radiations.radiation.4.days_to_radiation_therapy_start:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
16.0	22.0	159.0	215.4	324.0	556.0	594

patient.radiations.radiation.4.month_of_form_completion:

3 8 9 12 NA's

1 1 2 1 594

patient.radiations.radiation.4.numfractions:

1 4 34 NA's
3 1 1 594

patient.radiations.radiation.4.radiation_dosage:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
20	1600	1800	2652	3900	5940	594

patient.radiations.radiation.4.radiation_treatment_ongoing:

no NA's
5 594

patient.radiations.radiation.4.radiation_type:

external beam	other:	specify in notes
1		3

NA's
595

patient.radiations.radiation.4.radiation_type_notes:

cyberknife	gamma knife	srs	NA's
1	1	1	596

patient.radiations.radiation.4.regimen_indication:

adjuvant	palliative	recurrence	NA's
2	1	2	594

patient.radiations.radiation.4.regimen_indication_notes:

2.54 cc NA's
1 598

patient.radiations.radiation.4.units:

cgy NA's
5 594

patient.radiations.radiation.4.year_of_form_completion:

2008 2010 2011 NA's
1 1 3 594

patient.radiations.radiation.5.anatomic_treatment_site:

primary tumor	field	NA's
1		598

patient.radiations.radiation.5.bcr_radiation_barcode:

tcga-28-5214-r45677	NA's
1	598

patient.radiations.radiation.5.bcr_radiation_uuid:

9961d747-6570-49d7-b010-1966ff5cd5cf
1

NA's
598

patient.radiations.radiation.5.day_of_form_completion:

24 NA's

1 598

patient.radiations.radiation.5.days_to_radiation_therapy_end:

67 NA's

1 598

patient.radiations.radiation.5.days_to_radiation_therapy_start:

20 NA's

1 598

patient.radiations.radiation.5.month_of_form_completion:

7 NA's

1 598

patient.radiations.radiation.5.numfractions:

30 NA's

1 598

patient.radiations.radiation.5.radiation_dosage:

6000 NA's

1 598

patient.radiations.radiation.5.radiation_treatment_ongoing:

no NA's

1 598

patient.radiations.radiation.5.radiation_type:

external NA's

1 598

patient.radiations.radiation.5.units:

cgy NA's

1 598

patient.radiations.radiation.5.year_of_form_completion:

2013 NA's

1 598

patient.radiations.radiation.anatomic_treatment_site:

distant site	local recurrence	primary tumor	field	regional site
1	13	417	1	
NA's				
167				

patient.radiations.radiation.course_number:

1 2 NA's

23 4 572

patient.radiations.radiation.day_of_form_completion:

Min. 1st Qu. Median Mean 3rd Qu. Max. NA's

```

1.00    6.00    14.00    14.33    22.00    31.00    155

patient.radiations.radiation.days_to_radiation_therapy_end:
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.    NA's
-271.0   64.0   74.0   122.7   88.0  3716.0   175

patient.radiations.radiation.days_to_radiation_therapy_start:
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.    NA's
-314.00  21.00  31.00   82.75  47.00 3667.00   176

patient.radiations.radiation.measure_of_response:
      complete response radiographic progressive disease
                        4                                     2
      stable disease
                        6                                     NA's
                                                                587

patient.radiations.radiation.month_of_form_completion:
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.    NA's
  1.00   4.00   6.00   6.93  11.00   12.00   155

patient.radiations.radiation.numfractions:
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.    NA's
  1.00  30.00  30.00  28.13  30.00   60.00   222

patient.radiations.radiation.radiation_dosage:
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.    NA's
   18   5800   6000   5097   6000   9700   199

patient.radiations.radiation.radiation_treatment_ongoing:
  no  yes NA's
398  2  199

patient.radiations.radiation.units:
  cgy  gy  mci NA's
386   7   4  202

patient.radiations.radiation.year_of_form_completion:
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.    NA's
  2008   2009   2010   2010   2011   2015   155

patient.tissue_prospective_collection_indicator:
  no  yes NA's
   6  15  578

patient.tissue_retrospective_collection_indicator:
  no  yes NA's
  14   7  578

```

patient.tumor_tissue_site:
 brain NA's
 595 4

patient.vital_status:
 alive dead NA's
 147 446 6

patient.year_of_form_completion:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 2008 2008 2009 2009 2010 2015 4

patient.year_of_initial_pathologic_diagnosis:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 1989 2002 2006 2005 2009 2013 4

patient.bcr_canonical_check.bcr_patient_canonical_reasons.bcr_canonical_reason.2
 primary tumor and recurrent tumor(s) NA's
 1 598

patient.bcr_canonical_check.bcr_patient_canonical_status:
 canonical canonical - plus non-canonical NA's
 496 15 84 4

patient.biospecimen_cqcf.consent_or_death_status:
 consented deceased NA's
 69 29 501

patient.biospecimen_cqcf.country:
 united states NA's
 18 581

patient.biospecimen_cqcf.days_to_pathology_review:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 -14.0 78.5 239.5 506.9 676.8 2506.0 509

patient.biospecimen_cqcf.days_to_sample_procurement:
 0 NA's
 18 581

patient.biospecimen_cqcf.digital_image_submitted:
 no yes NA's
 17 1 581

patient.biospecimen_cqcf.ethnicity:
 not hispanic or latino NA's
 19 580

patient.biospecimen_cqcf.frozen_specimen_anatomic_site:
 brain NA's

99 500

patient.biospecimen_cqcf.histological_type:

glioblastoma multiforme (gbm)

99

NA's

500

patient.biospecimen_cqcf.history_of_neoadjuvant_treatment:

no NA's

98 501

patient.biospecimen_cqcf.method_of_sample_procurement:

gross total resection subtotal resection

10

8

NA's

581

patient.biospecimen_cqcf.normal_controls.normal_control.days_to_normal_sample_pr

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
-8.000	0.000	0.000	3.882	0.000	58.000	582

patient.biospecimen_cqcf.normal_controls.normal_control.extracted_dna.ncedna_dna

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0.0278	0.1425	0.3290	114.6289	0.7686	1326.6000	536

patient.biospecimen_cqcf.normal_controls.normal_control.extracted_dna.ncedna_dna

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
15.00	20.00	20.00	33.27	20.77	242.88	537

patient.biospecimen_cqcf.normal_controls.normal_control.extracted_dna.ncedna_dna

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
17.80	40.62	84.08	156.73	189.25	1000.00	537

patient.biospecimen_cqcf.normal_controls.normal_control.method_of_normal_sample_

blood draw NA's

17

582

patient.biospecimen_cqcf.normal_controls.normal_control.vial_number:

1 NA's

81 518

patient.biospecimen_cqcf.path_confirm_diagnosis_matching:

yes NA's

18 581

patient.biospecimen_cqcf.path_confirm_report_attached:

no yes NA's

8 87 504

patient.biospecimen_cqcf.path_confirm_tumor_necrosis_metrics:

no yes NA's

3 92 504

```

patient.biospecimen_cqcf.path_confirm_tumor_nuclei_metrics:
  no  yes NA's
    3  92 504

patient.biospecimen_cqcf.race:
black or african american                white                NA's
                                17                        2                        580

patient.biospecimen_cqcf.sample_prescreened:
  yes NA's
    98 501

patient.biospecimen_cqcf.site_of_disease:
brain NA's
    99 500

patient.biospecimen_cqcf.submitted_for_lce:
  no NA's
    18 581

patient.biospecimen_cqcf.top_slide_submitted:
  no  yes NA's
    1  17 581

patient.biospecimen_cqcf.tumor_samples.tumor_sample.2.bcr_sample_uuid:
242c50b9-5167-466e-aef6-aebe03e100fb                NA's
                                1                        598

patient.biospecimen_cqcf.tumor_samples.tumor_sample.2.tumor_necrosis_percent:
15 NA's
    1 598

patient.biospecimen_cqcf.tumor_samples.tumor_sample.2.tumor_nuclei_percent:
85 NA's
    1 598

patient.biospecimen_cqcf.tumor_samples.tumor_sample.2.tumor_weight:
98 NA's
    1 598

patient.biospecimen_cqcf.tumor_samples.tumor_sample.2.vial_number:
 1 NA's
    1 598

patient.biospecimen_cqcf.tumor_samples.tumor_sample.tumor_necrosis_percent:
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.    NA's
    0.0    0.0   10.0   11.2   10.0   50.0   516

patient.biospecimen_cqcf.tumor_samples.tumor_sample.tumor_nuclei_percent:
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.    NA's
 60.00  80.00   90.00   87.83 100.00 100.00   516

```

patient.biospecimen_cqcf.tumor_samples.tumor_sample.tumor_weight:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 55.0 200.0 300.0 269.8 338.5 500.0 581

patient.biospecimen_cqcf.tumor_samples.tumor_sample.vial_number:
 1 2 NA's
 89 1 509

patient.biospecimen_cqcf.vessel_used:
 cassette cryomold cryovial NA's
 3 1 14 581

patient.days_to_index:
 0 NA's
 595 4

patient.samples.sample.2.bcr_biospecimen_canonical_reasons.bcr_canonical_reason:
 primary tumor and recurrent tumor(s) NA's
 12 587

patient.samples.sample.2.days_to_collection:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 27.0 107.0 282.0 433.4 450.0 2271.0 582

patient.samples.sample.2.intermediate_dimension:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 0.3000 0.6500 0.8000 0.7467 0.8500 1.0000 584

patient.samples.sample.2.is_ffpe:
 no NA's
 532 67

patient.samples.sample.2.longest_dimension:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 0.300 1.000 1.100 1.093 1.250 1.500 584

patient.samples.sample.2.oct_embedded:
 false NA's
 17 582

patient.samples.sample.2.portions.portion.analytes.analyte.2.a260_a280_ratio:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 1.700 1.800 1.800 1.819 1.820 1.970 577

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.2.

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
96504895	96505239	97515722	98850023	103961240	103961312	507

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.2.

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1.000	8.000	8.000	8.037	8.000	10.000	220

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.2.

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0.1400	0.5000	0.5000	0.4891	0.5000	0.5000	220

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.2.

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
2.00	4.00	14.00	14.04	23.00	29.00	220

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.2.
no NA's
379 220

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.2.

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1.000	3.000	5.000	6.066	9.000	12.000	220

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.2.

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1.000	4.000	8.000	6.897	9.000	12.000	220

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.2.

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
189.0	294.0	424.0	539.4	644.0	1295.0	220

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.2.

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
2.0	30.0	30.0	102.8	200.0	200.0	220

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.2.
22 NA's
379 220

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.2.

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
10.0	60.0	60.0	206.3	400.0	400.0	220

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.2.
2007 2008 2009 2010 NA's
93 90 104 92 220

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.3.

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
------	---------	--------	------	---------	------	------

96505470 96508744 97512936 98840883 103927544 103927616 507

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.3.

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1.000	9.000	9.000	8.755	9.000	9.000	220

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.3.

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0.1400	0.5000	0.5000	0.4891	0.5000	0.5000	220

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.3.

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
2.00	4.00	14.00	14.04	23.00	29.00	220

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.3.

no NA's
379 220

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.3.

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1.000	3.000	5.000	6.066	9.000	12.000	220

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.3.

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1.000	4.000	8.000	6.897	9.000	12.000	220

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.3.

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
190.0	295.0	425.0	540.8	646.0	1296.0	220

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.3.

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
2.12	30.00	30.00	102.95	200.00	200.00	220

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.3.

22 NA's
379 220

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.3.

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
10.0	60.0	60.0	206.4	400.0	400.0	220

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.3.

2007 2008 2009 2010 NA's
93 90 104 92 220

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.4.

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1.000	2.000	4.000	5.229	8.000	10.000	468

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.4.

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0.1400	0.5000	0.5000	0.4739	0.5000	0.5000	468

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.4.

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
6.00	12.00	13.00	16.89	22.00	29.00	468

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.4.

no NA's
131 468

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.4.

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1.000	2.000	5.000	5.084	9.000	12.000	468

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.4.

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1.00	4.00	6.00	6.26	9.00	12.00	468

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.4.

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
207	254	291	292	320	677	468

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.4.

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0.72	14.00	20.00	100.37	200.00	200.00	468

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.4.

22 NA's
131 468

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.4.

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
4.0	28.0	40.0	202.6	400.0	400.0	468

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.4.

2007 2008 2009 NA's
67 52 12 468

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.5.

1053965773 1053965850 NA's
1 1 597

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.5.

1 2 8 NA's
2 1 11 585

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.5.
 0.16 0.18 0.19 0.5 NA's
 1 1 1 11 585

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.5.
 6 27 NA's
 11 3 585

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.5.
 no NA's
 14 585

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.5.
 1 2 6 NA's
 11 1 2 585

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.5.
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 2.000 6.000 8.500 7.286 9.000 10.000 585

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.5.
 326 424 1849 NA's
 1 11 2 585

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.5.
 3.84 5.99 6.33 200 NA's
 1 1 1 11 585

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.5.
 22 NA's
 14 585

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.5.
 24 33.3 400 NA's
 1 2 11 585

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.5.
 2008 2009 2011 NA's
 1 11 2 585

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.6.
 9 NA's
 11 588

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.6.
 0.5 NA's
 11 588

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.6.

```

        6 NA's
    11  588

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.6.
no NA's
    11  588

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.6.
    1 NA's
    11  588

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.6.
    6    8    9   10 NA's
    3    1    5    2  588

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.6.
425 NA's
    11  588

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.6.
200 NA's
    11  588

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.6.
22 NA's
    11  588

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.6.
400 NA's
    11  588

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.6.
2009 NA's
    11  588

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.bi
      Min.   1st Qu.   Median     Mean   3rd Qu.     Max.     NA's
9.649e+07 9.649e+07 9.752e+07 2.046e+08 1.039e+08 1.062e+09      478

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.ce
      Min. 1st Qu.  Median     Mean 3rd Qu.     Max.     NA's
  1.000   8.000  10.000   8.234  10.000  10.000    189

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.co
      Min. 1st Qu.  Median     Mean 3rd Qu.     Max.     NA's
 0.1300  0.5000  0.5000  0.4779  0.5000  0.5000    189

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.da
      Min. 1st Qu.  Median     Mean 3rd Qu.     Max.     NA's

```


2.00 4.00 13.00 13.65 22.00 29.00 189

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.is
no NA's
410 189

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.mo
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
1.000 3.000 6.000 6.215 9.000 12.000 189

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.pl
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
1.000 4.000 8.000 6.844 9.000 12.000 189

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.qu
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
0.87 30.00 30.00 74.51 200.00 200.00 189

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.sc
22 23 NA's
393 17 189

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.vo
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
6.67 60.00 60.00 149.82 400.00 400.00 189

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.ye
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
2007 2008 2009 2009 2010 2014 189

patient.samples.sample.2.portions.portion.analytes.analyte.2.amount:
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
0.0 0.0 0.0 138.6 48.0 1020.0 208

patient.samples.sample.2.portions.portion.analytes.analyte.2.analyte_type:
genomeplex (rubicon) amplified dna repli-g (qiagen) dna
16 375
rna NA's
19 189

patient.samples.sample.2.portions.portion.analytes.analyte.2.analyte_type_id:
g h r w NA's
16 1 18 375 189

patient.samples.sample.2.portions.portion.analytes.analyte.2.bcr_biospecimen_can
portioning study NA's
4 595

patient.samples.sample.2.portions.portion.analytes.analyte.2.concentration:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 0.0200 0.5000 0.5000 0.4763 0.5000 0.5000 206

patient.samples.sample.2.portions.portion.analytes.analyte.2.dna.normal_tumor_ge
 yes NA's
 391 208

patient.samples.sample.2.portions.portion.analytes.analyte.2.dna.pcr_amplificati
 no yes NA's
 374 17 208

patient.samples.sample.2.portions.portion.analytes.analyte.2.gel_image_file:
<https://sharedoc.nchri.org/tcga-bcr/default.aspx>
 410
 NA's
 189

patient.samples.sample.2.portions.portion.analytes.analyte.2.is_derived_from_ffp
 no NA's
 410 189

patient.samples.sample.2.portions.portion.analytes.analyte.2.protocols.protocol.
 allprep rna extraction genomplex mirvana (allprep dna) rna
 18 16 1
 repli-g NA's
 375 189

patient.samples.sample.2.portions.portion.analytes.analyte.2.rna.ratio_28s_18s:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 0.000 1.110 1.200 1.205 1.500 1.700 580

patient.samples.sample.2.portions.portion.analytes.analyte.2.rna.rinvalue:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 0.000 7.600 8.200 7.759 8.600 9.600 582

patient.samples.sample.2.portions.portion.analytes.analyte.2.spectrophotometer_m
 uv spec NA's
 393 206

patient.samples.sample.2.portions.portion.analytes.analyte.2.subportion_sequence
 1 NA's
 7 592

patient.samples.sample.2.portions.portion.analytes.analyte.3.a260_a280_ratio:
 1.8 NA's
 1 598

patient.samples.sample.2.portions.portion.analytes.analyte.3.aliquots.aliquot.2.
 107025634 NA's

```

1          598

patient.samples.sample.2.portions.portion.analytes.analyte.3.aliquots.aliquot.2.
  7   8  10 NA's
  1  15  22 561

patient.samples.sample.2.portions.portion.analytes.analyte.3.aliquots.aliquot.2.
0.17 0.5 NA's
  1  37 561

patient.samples.sample.2.portions.portion.analytes.analyte.3.aliquots.aliquot.2.
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.    NA's
 12.00  14.25   19.00   17.34  19.00   27.00    561

patient.samples.sample.2.portions.portion.analytes.analyte.3.aliquots.aliquot.2.
no NA's
 38 561

patient.samples.sample.2.portions.portion.analytes.analyte.3.aliquots.aliquot.2.
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.    NA's
  2.00   7.00   10.00    8.21  11.00   11.00    561

patient.samples.sample.2.portions.portion.analytes.analyte.3.aliquots.aliquot.2.
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.    NA's
 4.000   6.000   6.000   6.395   7.000  10.000    561

patient.samples.sample.2.portions.portion.analytes.analyte.3.aliquots.aliquot.2.
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.    NA's
 224.0  250.0  410.0  379.1  410.0 1847.0    561

patient.samples.sample.2.portions.portion.analytes.analyte.3.aliquots.aliquot.2.
2.26   5  200 NA's
  1  19  18 561

patient.samples.sample.2.portions.portion.analytes.analyte.3.aliquots.aliquot.2.
 22 NA's
 38 561

patient.samples.sample.2.portions.portion.analytes.analyte.3.aliquots.aliquot.2.
 10 13.3  400 NA's
 19   1  18 561

patient.samples.sample.2.portions.portion.analytes.analyte.3.aliquots.aliquot.2.
2007 2008 2011 NA's
 11  26   1 561

patient.samples.sample.2.portions.portion.analytes.analyte.3.aliquots.aliquot.3.
113627806      NA's
          1      598

```

patient.samples.sample.2.portions.portion.analytes.analyte.3.aliquots.aliquot.3.
 7 9 NA's
 1 37 561

patient.samples.sample.2.portions.portion.analytes.analyte.3.aliquots.aliquot.3.
 0.17 0.5 NA's
 1 37 561

patient.samples.sample.2.portions.portion.analytes.analyte.3.aliquots.aliquot.3.
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 12.00 14.25 19.00 17.45 19.00 31.00 561

patient.samples.sample.2.portions.portion.analytes.analyte.3.aliquots.aliquot.3.
 no NA's
 38 561

patient.samples.sample.2.portions.portion.analytes.analyte.3.aliquots.aliquot.3.
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 2.000 7.000 10.000 8.263 11.000 11.000 561

patient.samples.sample.2.portions.portion.analytes.analyte.3.aliquots.aliquot.3.
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 2.000 6.000 6.000 6.316 7.000 10.000 561

patient.samples.sample.2.portions.portion.analytes.analyte.3.aliquots.aliquot.3.
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 225.0 252.0 411.0 383.9 411.0 1991.0 561

patient.samples.sample.2.portions.portion.analytes.analyte.3.aliquots.aliquot.3.
 2.26 5 200 NA's
 1 19 18 561

patient.samples.sample.2.portions.portion.analytes.analyte.3.aliquots.aliquot.3.
 22 NA's
 38 561

patient.samples.sample.2.portions.portion.analytes.analyte.3.aliquots.aliquot.3.
 10 13.3 400 NA's
 19 1 18 561

patient.samples.sample.2.portions.portion.analytes.analyte.3.aliquots.aliquot.3.
 2007 2008 2011 NA's
 11 26 1 561

patient.samples.sample.2.portions.portion.analytes.analyte.3.aliquots.aliquot.4.
 2 8 NA's
 15 3 581

```

patient.samples.sample.2.portions.portion.analytes.analyte.3.aliquots.aliquot.4.
0.5 NA's
18 581

patient.samples.sample.2.portions.portion.analytes.analyte.3.aliquots.aliquot.4.
12 13 18 NA's
3 7 8 581

patient.samples.sample.2.portions.portion.analytes.analyte.3.aliquots.aliquot.4.
no NA's
18 581

patient.samples.sample.2.portions.portion.analytes.analyte.3.aliquots.aliquot.4.
2 7 9 NA's
7 8 3 581

patient.samples.sample.2.portions.portion.analytes.analyte.3.aliquots.aliquot.4.
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
5.00 6.00 7.00 7.00 7.75 10.00 581

patient.samples.sample.2.portions.portion.analytes.analyte.3.aliquots.aliquot.4.
226 254 320 NA's
8 3 7 581

patient.samples.sample.2.portions.portion.analytes.analyte.3.aliquots.aliquot.4.
14 200 NA's
15 3 581

patient.samples.sample.2.portions.portion.analytes.analyte.3.aliquots.aliquot.4.
22 NA's
18 581

patient.samples.sample.2.portions.portion.analytes.analyte.3.aliquots.aliquot.4.
28 400 NA's
15 3 581

patient.samples.sample.2.portions.portion.analytes.analyte.3.aliquots.aliquot.4.
2007 2008 NA's
11 7 581

patient.samples.sample.2.portions.portion.analytes.analyte.3.aliquots.aliquot.bi
107027458 NA's
1 598

patient.samples.sample.2.portions.portion.analytes.analyte.3.aliquots.aliquot.co
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
1 8 8 8 10 10 556

patient.samples.sample.2.portions.portion.analytes.analyte.3.aliquots.aliquot.co

```

```

0.1 0.17 0.18 0.5 NA's
  3   2   1  37 556

patient.samples.sample.2.portions.portion.analytes.analyte.3.aliquots.aliquot.da
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.   NA's
  6.00  15.00   19.00   17.88  19.00   29.00   556

patient.samples.sample.2.portions.portion.analytes.analyte.3.aliquots.aliquot.is
no NA's
  43 556

patient.samples.sample.2.portions.portion.analytes.analyte.3.aliquots.aliquot.mo
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.   NA's
  2.000  7.000   9.000   8.139  11.000  11.000   556

patient.samples.sample.2.portions.portion.analytes.analyte.3.aliquots.aliquot.pl
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.   NA's
  1.000  5.000   6.000   6.046   7.000  10.000   556

patient.samples.sample.2.portions.portion.analytes.analyte.3.aliquots.aliquot.pl
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.   NA's
  223.0  239.0   341.0   367.1  409.0  1846.0   556

patient.samples.sample.2.portions.portion.analytes.analyte.3.aliquots.aliquot.qu
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.   NA's
  1.00   5.00   5.00   73.18  200.00  200.00   556

patient.samples.sample.2.portions.portion.analytes.analyte.3.aliquots.aliquot.so
  22 NA's
  43 556

patient.samples.sample.2.portions.portion.analytes.analyte.3.aliquots.aliquot.vo
  10 20 28 400 NA's
  24 1 3 15 556

patient.samples.sample.2.portions.portion.analytes.analyte.3.aliquots.aliquot.ye
2007 2008 2011 NA's
  14 28 1 556

patient.samples.sample.2.portions.portion.analytes.analyte.3.amount:
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.   NA's
  0.00  0.00   29.00   56.67  120.00  120.00   556

patient.samples.sample.2.portions.portion.analytes.analyte.3.analyte_type:
repli-g (qiagen) dna                rna                total rna
                  37                  1                  5
                  NA's
                  556

patient.samples.sample.2.portions.portion.analytes.analyte.3.analyte_type_id:
  r    t    w NA's

```

1 5 37 556

patient.samples.sample.2.portions.portion.analytes.analyte.3.bcr_biospecimen_cann
 portioning study NA's
 4 595

patient.samples.sample.2.portions.portion.analytes.analyte.3.concentration:
 0.1 0.17 0.5 NA's
 5 1 37 556

patient.samples.sample.2.portions.portion.analytes.analyte.3.dna.normal_tumor_ge
 yes NA's
 37 562

patient.samples.sample.2.portions.portion.analytes.analyte.3.dna.pcr_amplificati
 no NA's
 37 562

patient.samples.sample.2.portions.portion.analytes.analyte.3.gel_image_file:
<https://sharedoc.nchri.org/tcga-bcr/default.aspx>
 43
 NA's
 556

patient.samples.sample.2.portions.portion.analytes.analyte.3.is_derived_from_ffp
 no NA's
 43 556

patient.samples.sample.2.portions.portion.analytes.analyte.3.protocols.protocol.
 allprep rna extraction repli-g total rna
 1 37 5
 NA's
 556

patient.samples.sample.2.portions.portion.analytes.analyte.3.rna.ratio_28s_18s:
 1.15 NA's
 1 598

patient.samples.sample.2.portions.portion.analytes.analyte.3.rna.rinvalue:
 7.3 NA's
 1 598

patient.samples.sample.2.portions.portion.analytes.analyte.3.spectrophotometer_m
 picogreen uv spec NA's
 19 24 556

patient.samples.sample.2.portions.portion.analytes.analyte.3.subportion_sequence
 1 NA's
 1 598

```

patient.samples.sample.2.portions.portion.analytes.analyte.4.aliquots.aliquot.2.
  8  10 NA's
  2   3 594

patient.samples.sample.2.portions.portion.analytes.analyte.4.aliquots.aliquot.2.
  0.5 NA's
  5 594

patient.samples.sample.2.portions.portion.analytes.analyte.4.aliquots.aliquot.2.
  6  12  28 NA's
  1   3   1 594

patient.samples.sample.2.portions.portion.analytes.analyte.4.aliquots.aliquot.2.
  no NA's
  5 594

patient.samples.sample.2.portions.portion.analytes.analyte.4.aliquots.aliquot.2.
  1   5   9 NA's
  1   1   3 594

patient.samples.sample.2.portions.portion.analytes.analyte.4.aliquots.aliquot.2.
  1   2   6   7 NA's
  1   1   2   1 594

patient.samples.sample.2.portions.portion.analytes.analyte.4.aliquots.aliquot.2.
  250 348 424 NA's
  3   1   1 594

patient.samples.sample.2.portions.portion.analytes.analyte.4.aliquots.aliquot.2.
  b   c   d   g NA's
  2   1   1   1 594

patient.samples.sample.2.portions.portion.analytes.analyte.4.aliquots.aliquot.2.
  200 NA's
  5 594

patient.samples.sample.2.portions.portion.analytes.analyte.4.aliquots.aliquot.2.
  22 NA's
  5 594

patient.samples.sample.2.portions.portion.analytes.analyte.4.aliquots.aliquot.2.
  400 NA's
  5 594

patient.samples.sample.2.portions.portion.analytes.analyte.4.aliquots.aliquot.2.
  2007 2008 2009 NA's
  3   1   1 594

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patient.samples.sample.2.portions.portion.analytes.analyte.4.aliquots.aliquot.3.
  9 NA's
  5 594

patient.samples.sample.2.portions.portion.analytes.analyte.4.aliquots.aliquot.3.
  0.5 NA's
  5 594

patient.samples.sample.2.portions.portion.analytes.analyte.4.aliquots.aliquot.3.
  6 12 28 NA's
  1 3 1 594

patient.samples.sample.2.portions.portion.analytes.analyte.4.aliquots.aliquot.3.
  no NA's
  5 594

patient.samples.sample.2.portions.portion.analytes.analyte.4.aliquots.aliquot.3.
  1 5 9 NA's
  1 1 3 594

patient.samples.sample.2.portions.portion.analytes.analyte.4.aliquots.aliquot.3.
  1 2 6 7 NA's
  1 1 2 1 594

patient.samples.sample.2.portions.portion.analytes.analyte.4.aliquots.aliquot.3.
  252 349 425 NA's
  3 1 1 594

patient.samples.sample.2.portions.portion.analytes.analyte.4.aliquots.aliquot.3.
  b c d g NA's
  2 1 1 1 594

patient.samples.sample.2.portions.portion.analytes.analyte.4.aliquots.aliquot.3.
  200 NA's
  5 594

patient.samples.sample.2.portions.portion.analytes.analyte.4.aliquots.aliquot.3.
  22 NA's
  5 594

patient.samples.sample.2.portions.portion.analytes.analyte.4.aliquots.aliquot.3.
  400 NA's
  5 594

patient.samples.sample.2.portions.portion.analytes.analyte.4.aliquots.aliquot.3.
  2007 2008 2009 NA's
  3 1 1 594

patient.samples.sample.2.portions.portion.analytes.analyte.4.aliquots.aliquot.4.
tcga-06-0208-01b-01w-0254-08 tcga-06-0210-01b-01w-0254-08
                                1                                1
tcga-06-0211-01b-01w-0254-08                                NA's

```

	1		596
patient.samples.sample.2.portions.portion.analytes.analyte.4.aliquots.aliquot.4.			
0daf5fcc-50aa-4424-827c-a630fd00cea2 86ac3a1e-235b-441b-b3a4-b6072e746714			
	1		1
f354a447-5e5b-457a-af45-8e22b02c2c9a			
			NA's
	1		596
patient.samples.sample.2.portions.portion.analytes.analyte.4.aliquots.aliquot.4.			
	8	NA's	
	3		596
patient.samples.sample.2.portions.portion.analytes.analyte.4.aliquots.aliquot.4.			
	0.5	NA's	
	3		596
patient.samples.sample.2.portions.portion.analytes.analyte.4.aliquots.aliquot.4.			
	12	NA's	
	3		596
patient.samples.sample.2.portions.portion.analytes.analyte.4.aliquots.aliquot.4.			
	no	NA's	
	3		596
patient.samples.sample.2.portions.portion.analytes.analyte.4.aliquots.aliquot.4.			
	9	NA's	
	3		596
patient.samples.sample.2.portions.portion.analytes.analyte.4.aliquots.aliquot.4.			
	6	7	NA's
	2	1	596
patient.samples.sample.2.portions.portion.analytes.analyte.4.aliquots.aliquot.4.			
	254	NA's	
	3		596
patient.samples.sample.2.portions.portion.analytes.analyte.4.aliquots.aliquot.4.			
	b	d	g NA's
	1	1	1 596
patient.samples.sample.2.portions.portion.analytes.analyte.4.aliquots.aliquot.4.			
	200	NA's	
	3		596
patient.samples.sample.2.portions.portion.analytes.analyte.4.aliquots.aliquot.4.			
	22	NA's	
	3		596
patient.samples.sample.2.portions.portion.analytes.analyte.4.aliquots.aliquot.4.			
	400	NA's	
	3		596

patient.samples.sample.2.portions.portion.analytes.analyte.4.aliquots.aliquot.4.
 2007 NA's
 3 596

patient.samples.sample.2.portions.portion.analytes.analyte.4.aliquots.aliquot.ce
 2 10 NA's
 3 2 594

patient.samples.sample.2.portions.portion.analytes.analyte.4.aliquots.aliquot.co
 0.5 NA's
 5 594

patient.samples.sample.2.portions.portion.analytes.analyte.4.aliquots.aliquot.da
 6 12 28 NA's
 1 3 1 594

patient.samples.sample.2.portions.portion.analytes.analyte.4.aliquots.aliquot.is
 no NA's
 5 594

patient.samples.sample.2.portions.portion.analytes.analyte.4.aliquots.aliquot.mo
 1 5 9 NA's
 1 1 3 594

patient.samples.sample.2.portions.portion.analytes.analyte.4.aliquots.aliquot.pl
 1 2 6 7 NA's
 1 1 2 1 594

patient.samples.sample.2.portions.portion.analytes.analyte.4.aliquots.aliquot.pl
 248 347 423 NA's
 3 1 1 594

patient.samples.sample.2.portions.portion.analytes.analyte.4.aliquots.aliquot.pl
 b c d g NA's
 2 1 1 1 594

patient.samples.sample.2.portions.portion.analytes.analyte.4.aliquots.aliquot.qu
 14 200 NA's
 3 2 594

patient.samples.sample.2.portions.portion.analytes.analyte.4.aliquots.aliquot.so
 22 NA's
 5 594

patient.samples.sample.2.portions.portion.analytes.analyte.4.aliquots.aliquot.vo
 28 400 NA's
 3 2 594

patient.samples.sample.2.portions.portion.analytes.analyte.4.aliquots.aliquot.ye
 2007 2008 2009 NA's

3 1 1 594

patient.samples.sample.2.portions.portion.analytes.analyte.4.amount:

0 NA's

5 594

patient.samples.sample.2.portions.portion.analytes.analyte.4.analyte_type:

repli-g (qiagen) dna NA's

5 594

patient.samples.sample.2.portions.portion.analytes.analyte.4.analyte_type_id:

w NA's

5 594

patient.samples.sample.2.portions.portion.analytes.analyte.4.concentration:

0.5 NA's

5 594

patient.samples.sample.2.portions.portion.analytes.analyte.4.dna.normal_tumor_ge

yes NA's

5 594

patient.samples.sample.2.portions.portion.analytes.analyte.4.dna.pcr_amplificati

no NA's

5 594

patient.samples.sample.2.portions.portion.analytes.analyte.4.gel_image_file:

<https://sharedoc.nchri.org/tcga-bcr/default.aspx>

5

NA's

594

patient.samples.sample.2.portions.portion.analytes.analyte.4.is_derived_from_ffp

no NA's

5 594

patient.samples.sample.2.portions.portion.analytes.analyte.4.protocols.protocol.

repli-g NA's

5 594

patient.samples.sample.2.portions.portion.analytes.analyte.4.spectrophotometer_m

uv spec NA's

5 594

patient.samples.sample.2.portions.portion.analytes.analyte.5.aliquots.aliquot.2.

tcga-06-0216-01b-01w-0410-10 NA's

1 598

patient.samples.sample.2.portions.portion.analytes.analyte.5.aliquots.aliquot.2.

97eb7513-198b-436f-9f6b-f265168c67f1 NA's

1

598

patient.samples.sample.2.portions.portion.analytes.analyte.5.aliquots.aliquot.2.

10 NA's

1 598

patient.samples.sample.2.portions.portion.analytes.analyte.5.aliquots.aliquot.2.

0.5 NA's

1 598

patient.samples.sample.2.portions.portion.analytes.analyte.5.aliquots.aliquot.2.

19 NA's

1 598

patient.samples.sample.2.portions.portion.analytes.analyte.5.aliquots.aliquot.2.

no NA's

1 598

patient.samples.sample.2.portions.portion.analytes.analyte.5.aliquots.aliquot.2.

11 NA's

1 598

patient.samples.sample.2.portions.portion.analytes.analyte.5.aliquots.aliquot.2.

1 NA's

1 598

patient.samples.sample.2.portions.portion.analytes.analyte.5.aliquots.aliquot.2.

410 NA's

1 598

patient.samples.sample.2.portions.portion.analytes.analyte.5.aliquots.aliquot.2.

b NA's

1 598

patient.samples.sample.2.portions.portion.analytes.analyte.5.aliquots.aliquot.2.

5 NA's

1 598

patient.samples.sample.2.portions.portion.analytes.analyte.5.aliquots.aliquot.2.

22 NA's

1 598

patient.samples.sample.2.portions.portion.analytes.analyte.5.aliquots.aliquot.2.

10 NA's

1 598

patient.samples.sample.2.portions.portion.analytes.analyte.5.aliquots.aliquot.2.

2008 NA's

1 598

patient.samples.sample.2.portions.portion.analytes.analyte.5.aliquots.aliquot.3.

tcga-06-0216-01b-01w-0411-09

NA's

	1	598
patient.samples.sample.2.portions.portion.analytes.analyte.5.aliquots.aliquot.3. 6b44e20a-1782-48ab-a68f-0030d45c657a		NA's 598
patient.samples.sample.2.portions.portion.analytes.analyte.5.aliquots.aliquot.3. 9 NA's	1	598
patient.samples.sample.2.portions.portion.analytes.analyte.5.aliquots.aliquot.3. 0.5 NA's	1	598
patient.samples.sample.2.portions.portion.analytes.analyte.5.aliquots.aliquot.3. 19 NA's	1	598
patient.samples.sample.2.portions.portion.analytes.analyte.5.aliquots.aliquot.3. no NA's	1	598
patient.samples.sample.2.portions.portion.analytes.analyte.5.aliquots.aliquot.3. 11 NA's	1	598
patient.samples.sample.2.portions.portion.analytes.analyte.5.aliquots.aliquot.3. 1 NA's	1	598
patient.samples.sample.2.portions.portion.analytes.analyte.5.aliquots.aliquot.3. 411 NA's	1	598
patient.samples.sample.2.portions.portion.analytes.analyte.5.aliquots.aliquot.3. b NA's	1	598
patient.samples.sample.2.portions.portion.analytes.analyte.5.aliquots.aliquot.3. 5 NA's	1	598
patient.samples.sample.2.portions.portion.analytes.analyte.5.aliquots.aliquot.3. 22 NA's	1	598
patient.samples.sample.2.portions.portion.analytes.analyte.5.aliquots.aliquot.3. 10 NA's	1	598
patient.samples.sample.2.portions.portion.analytes.analyte.5.aliquots.aliquot.3. 2008 NA's		

1 598

patient.samples.sample.2.portions.portion.analytes.analyte.5.aliquots.aliquot.bo
tcga-06-0216-01b-01w-0409-08 NA's
1 598

patient.samples.sample.2.portions.portion.analytes.analyte.5.aliquots.aliquot.bo
ebce20f3-fb7d-43b7-ad02-e3c903f63e7c NA's
1 598

patient.samples.sample.2.portions.portion.analytes.analyte.5.aliquots.aliquot.ce
8 NA's
1 598

patient.samples.sample.2.portions.portion.analytes.analyte.5.aliquots.aliquot.co
0.5 NA's
1 598

patient.samples.sample.2.portions.portion.analytes.analyte.5.aliquots.aliquot.da
19 NA's
1 598

patient.samples.sample.2.portions.portion.analytes.analyte.5.aliquots.aliquot.is
no NA's
1 598

patient.samples.sample.2.portions.portion.analytes.analyte.5.aliquots.aliquot.mo
11 NA's
1 598

patient.samples.sample.2.portions.portion.analytes.analyte.5.aliquots.aliquot.pl
1 NA's
1 598

patient.samples.sample.2.portions.portion.analytes.analyte.5.aliquots.aliquot.pl
409 NA's
1 598

patient.samples.sample.2.portions.portion.analytes.analyte.5.aliquots.aliquot.pl
b NA's
1 598

patient.samples.sample.2.portions.portion.analytes.analyte.5.aliquots.aliquot.qu
5 NA's
1 598

patient.samples.sample.2.portions.portion.analytes.analyte.5.aliquots.aliquot.so
22 NA's
1 598

patient.samples.sample.2.portions.portion.analytes.analyte.5.aliquots.aliquot.vo
10 NA's

1 598

patient.samples.sample.2.portions.portion.analytes.analyte.5.aliquots.aliquot.ye
2008 NA's

1 598

patient.samples.sample.2.portions.portion.analytes.analyte.5.amount:
120 NA's

1 598

patient.samples.sample.2.portions.portion.analytes.analyte.5.analyte_type:
repli-g (qiagen) dna NA's

1 598

patient.samples.sample.2.portions.portion.analytes.analyte.5.analyte_type_id:
w NA's

1 598

patient.samples.sample.2.portions.portion.analytes.analyte.5.bcr_analyte_barcode
tcga-06-0216-01b-01w NA's

1 598

patient.samples.sample.2.portions.portion.analytes.analyte.5.bcr_analyte_uuid:
a35fc052-cfc4-4351-879b-9e184cbc3094 NA's

1 598

patient.samples.sample.2.portions.portion.analytes.analyte.5.concentration:
0.5 NA's

1 598

patient.samples.sample.2.portions.portion.analytes.analyte.5.dna.normal_tumor_ge
yes NA's

1 598

patient.samples.sample.2.portions.portion.analytes.analyte.5.dna.pcr_amplificati
no NA's

1 598

patient.samples.sample.2.portions.portion.analytes.analyte.5.gel_image_file:
<https://sharedoc.nchri.org/tcga-bcr/default.aspx>

1
NA's
598

patient.samples.sample.2.portions.portion.analytes.analyte.5.is_derived_from_ffp
no NA's

1 598

patient.samples.sample.2.portions.portion.analytes.analyte.5.protocols.protocol.
repli-g NA's

1 598

patient.samples.sample.2.portions.portion.analytes.analyte.5.spectrophotometer_m
picogreen NA's
1 598

patient.samples.sample.2.portions.portion.analytes.analyte.a260_a280_ratio:
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
1.700 1.890 1.900 1.888 1.900 2.240 87

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.2.bi
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
8.957e+07 9.752e+07 1.087e+08 4.360e+08 1.050e+09 1.054e+09 361

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.2.ce
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
1.00 2.00 4.00 3.49 4.00 8.00 77

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.2.co
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
0.070 0.150 0.150 0.165 0.160 0.500 77

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.2.da
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
3.00 13.00 20.00 19.06 25.00 30.00 77

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.2.is
no NA's
522 77

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.2.mo
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
1.000 4.000 5.000 5.768 8.000 12.000 77

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.2.pl
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
1.000 5.000 7.000 6.885 9.000 12.000 77

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.2.qu
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
0.600 3.000 3.470 3.603 4.010 52.500 77

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.2.so
22 23 NA's
505 17 77

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.2.vo
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
2.30 20.00 23.50 23.55 26.70 350.00 77

```

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.2.ye
  Min. 1st Qu.  Median      Mean 3rd Qu.  Max.  NA's
  2007  2008    2009    2009  2010    2014   77

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.3.bi
  Min. 1st Qu.  Median      Mean 3rd Qu.  Max.  NA's
8.957e+07 9.751e+07 1.087e+08 4.896e+08 1.050e+09 1.054e+09   365

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.3.ce
  Min. 1st Qu.  Median      Mean 3rd Qu.  Max.  NA's
  4.000   6.000   6.000   6.228   6.750   8.000   113

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.3.co
  Min. 1st Qu.  Median      Mean 3rd Qu.  Max.  NA's
  0.0500  0.1000  0.1500  0.1344  0.1600  0.5000   113

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.3.da
  Min. 1st Qu.  Median      Mean 3rd Qu.  Max.  NA's
   3.00  13.00  20.00  18.49  25.00  30.00   113

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.3.is
no NA's
486 113

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.3.mo
  Min. 1st Qu.  Median      Mean 3rd Qu.  Max.  NA's
  1.000   4.000   5.000   5.685   8.000  12.000   113

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.3.pl
  Min. 1st Qu.  Median      Mean 3rd Qu.  Max.  NA's
  1.000   5.000   7.000   6.897   8.000  12.000   113

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.3.pl
  Min. 1st Qu.  Median      Mean 3rd Qu.  Max.  NA's
 184.0  335.0  593.0  854.3 1486.0 2004.0   113

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.3.qu
  Min. 1st Qu.  Median      Mean 3rd Qu.  Max.  NA's
  0.940   2.000   2.130   2.751   3.000   9.600   113

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.3.so
  22 NA's
486 113

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.3.vo
  Min. 1st Qu.  Median      Mean 3rd Qu.  Max.  NA's
   6.00  13.30  13.30  26.11  40.00  60.00   113

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.3.ye

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Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
2007	2008	2009	2009	2010	2011	113

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.4.bi

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
8.958e+07	8.958e+07	9.752e+07	1.412e+08	1.039e+08	1.076e+09	486

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.4.ce

2	6	8	NA's
288	34	38	239

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.4.co

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0.050	0.140	0.150	0.152	0.160	0.500	239

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.4.da

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
3.00	13.00	18.00	18.15	24.00	30.00	239

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.4.is

no NA's

360	239
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patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.4.mo

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1.000	3.500	5.000	5.269	8.000	10.000	239

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.4.pl

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1.000	5.000	7.000	6.619	9.000	12.000	239

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.4.pl

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
185.0	313.0	520.0	619.5	787.0	2364.0	239

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.4.qu

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0.810	2.800	3.000	3.282	3.400	8.000	239

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.4.so

22 NA's

360	239
-----	-----

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.4.vo

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
5.20	20.00	20.00	23.93	20.00	60.00	239

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.4.ye

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
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	2007	2008	2009	2009	2010	2012	239
patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.5.bi							
Min.	9.754e+07	9.754e+07	1.050e+09	7.427e+08	1.050e+09	1.076e+09	386
1st Qu.							
Median							
Mean							
3rd Qu.							
Max.							
NA's							
patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.5.ce							
Min.	1.000	1.000	8.000	6.169	8.000	9.000	339
1st Qu.							
Median							
Mean							
3rd Qu.							
Max.							
NA's							
patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.5.co							
Min.	0.050	0.050	0.050	0.096	0.150	0.230	339
1st Qu.							
Median							
Mean							
3rd Qu.							
Max.							
NA's							
patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.5.da							
Min.	2.000	3.000	3.000	8.935	19.000	29.000	339
1st Qu.							
Median							
Mean							
3rd Qu.							
Max.							
NA's							
patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.5.is							
no NA's	260	339					
patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.5.mo							
Min.	1.000	1.000	1.000	3.915	5.000	12.000	339
1st Qu.							
Median							
Mean							
3rd Qu.							
Max.							
NA's							
patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.5.pl							
Min.	1.000	5.000	7.000	6.908	9.000	12.000	339
1st Qu.							
Median							
Mean							
3rd Qu.							
Max.							
NA's							
patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.5.qu							
Min.	0.2000	0.6225	2.0000	1.8484	2.0000	16.5200	339
1st Qu.							
Median							
Mean							
3rd Qu.							
Max.							
NA's							
patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.5.sc							
22	23	NA's					
259	1	339					
patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.5.vo							
Min.	1.00	3.33	40.00	26.89	40.00	118.00	339
1st Qu.							
Median							
Mean							
3rd Qu.							
Max.							
NA's							
patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.5.ye							
Min.	2007	2010	2011	2010	2011	2013	339
1st Qu.							
Median							
Mean							
3rd Qu.							
Max.							
NA's							

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.6.bi
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 9.651e+07 9.754e+07 1.050e+09 8.045e+08 1.050e+09 1.050e+09 502

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.6.ce
 1 2 8 NA's
 26 1 72 500

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.6.co
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 0.0500 0.0500 0.0500 0.0773 0.1400 0.1900 500

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.6.da
 3 10 19 29 NA's
 72 1 24 2 500

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.6.is
 no NA's
 99 500

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.6.mo
 1 3 5 8 NA's
 72 1 24 2 500

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.6.pl
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 1.00 6.50 9.00 8.04 10.00 12.00 500

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.6.pl
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 237 1004 1492 1342 1493 1494 500

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.6.qu
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 0.470 1.170 2.000 1.615 2.000 2.000 500

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.6.so
 22 NA's
 99 500

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.6.vo
 3.33 6.7 10 40 NA's
 24 1 2 72 500

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.6.ye
 2007 2010 2011 NA's
 2 25 72 500

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.7.bi

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1.678e+08	1.050e+09	1.050e+09	9.744e+08	1.050e+09	1.076e+09	576

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.7.ce

4	8	9	NA's
2	21	2	574

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.7.co

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0.0500	0.0500	0.0500	0.0604	0.0500	0.1500	574

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.7.da

3	21	29	NA's
20	2	3	574

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.7.is

no NA's			
25	574		

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.7.mo

1	8	NA's	
22	3	574	

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.7.pl

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1.00	7.00	8.00	7.96	10.00	12.00	574

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.7.qu

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0.940	2.000	2.000	2.215	2.000	6.000	574

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.7.so

22	23	NA's	
23	2	574	

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.7.vo

13.4	30	40	NA's
2	1	22	574

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.7.ye

2007	2011	2012	2015	NA's
2	20	1	2	574

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.8.bo

tcga-06-0147-10a-01d-0241-06	tcga-06-0148-10a-01d-0241-06
	1
	1
	NA's
	597

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.8.bo

778a08dc-f276-424c-9f80-b7e09800ce39 96ac7482-6308-4fbd-bdac-f984baee8f0c
1 1
NA's
597

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.8.ce
6 NA's
2 597

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.8.co
0.14 0.15 NA's
1 1 597

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.8.da
29 NA's
2 597

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.8.is
no NA's
2 597

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.8.mo
8 NA's
2 597

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.8.pl
1 NA's
2 597

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.8.pl
241 NA's
2 597

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.8.pl
c d NA's
1 1 597

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.8.qu
2.8 3 NA's
1 1 597

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.8.so
22 NA's
2 597

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.8.vo
20 NA's
2 597

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.8.ye
2007 NA's
2 597

```

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.bios
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.    NA's
9.129e+07 9.752e+07 1.040e+08 3.000e+08 1.604e+08 1.054e+09    360

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.cent
  1  4  6  8 NA's
491  6  34  1  67

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.conc
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.    NA's
0.0500 0.1500 0.1500 0.1671 0.1600 0.5000    67

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.day_
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.    NA's
3.00  13.00  20.00  19.11  25.00  30.00    67

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.is_d
no NA's
532  67

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.mont
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.    NA's
1.000  4.000  5.000  5.688  8.000 12.000    67

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.plat
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.    NA's
1.000  5.000  7.000  6.851  9.000 12.000    67

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.quan
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.    NA's
0.050  1.000  1.010  1.426  1.130 15.000    67

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.sour
 22  23 NA's
515  17  67

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.vol
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.    NA's
0.500  6.670  6.700  8.986  6.700 100.000    67

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.year
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.    NA's
2007  2008  2009  2009  2010  2014    67

patient.samples.sample.2.portions.portion.analytes.analyte.amount:
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.    NA's
0.00  13.60  68.81 148.36 163.25 1800.00    67

```



```

patient.samples.sample.2.portions.portion.analytes.analyte.analyte_type:
      dna genomeplex (rubicon) amplified dna
      502                                28
      rna                                NA's
      2                                67

```

```

patient.samples.sample.2.portions.portion.analytes.analyte.analyte_type_id:
      d   g   r NA's
      502 28   2  67

```

```

patient.samples.sample.2.portions.portion.analytes.analyte.bcr_biospecimen_canon
portioning study                                NA's
      8                                591

```

```

patient.samples.sample.2.portions.portion.analytes.analyte.concentration:
      Min. 1st Qu.  Median    Mean 3rd Qu.    Max.    NA's
      0.0100 0.1400 0.1500 0.1671 0.1600 0.5000    67

```

```

patient.samples.sample.2.portions.portion.analytes.analyte.dna.normal_tumor_genom
yes NA's
      530  69

```

```

patient.samples.sample.2.portions.portion.analytes.analyte.dna.pcr_amplification
no yes NA's
      168 362  69

```

```

patient.samples.sample.2.portions.portion.analytes.analyte.gel_image_file:
https://sharedoc.nchri.org/tcga-bcr/default.aspx
      532
      NA's
      67

```

```

patient.samples.sample.2.portions.portion.analytes.analyte.is_derived_from_ffpe:
no NA's
      532  67

```

```

patient.samples.sample.2.portions.portion.analytes.analyte.rna.ratio_28s_18s:
      1.2   2 NA's
      1   1 597

```

```

patient.samples.sample.2.portions.portion.analytes.analyte.rna.rinvalue:
      7.4 NA's
      1  598

```

```

patient.samples.sample.2.portions.portion.analytes.analyte.spectrophotometer_met
picogreen   uv spec    NA's
      20     512     67

```

```
patient.samples.sample.2.portions.portion.analytes.analyte.subportion_sequence:
  1 NA's
  7 592
```

```
patient.samples.sample.2.portions.portion.day_of_creation:
  Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
  1.00 13.00 14.00 14.16 14.00 31.00 67
```

```
patient.samples.sample.2.portions.portion.is_ffpe:
  no NA's
  532 67
```

```
patient.samples.sample.2.portions.portion.month_of_creation:
  Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
  1.000 6.000 7.000 6.564 7.000 12.000 67
```

```
patient.samples.sample.2.portions.portion.portion_number:
  Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
  1.000 1.000 1.000 1.173 1.000 21.000 67
```

```
patient.samples.sample.2.portions.portion.portion_sequence:
  1 NA's
  14 585
```

```
patient.samples.sample.2.portions.portion.slides.slide.2.is_derived_from_ffpe:
  no NA's
  23 576
```

```
patient.samples.sample.2.portions.portion.slides.slide.2.percent_lymphocyte_infi
  0 90 100 NA's
  1 1 1 596
```

```
patient.samples.sample.2.portions.portion.slides.slide.2.percent_monocyte_infilt
  0 10 NA's
  1 1 597
```

```
patient.samples.sample.2.portions.portion.slides.slide.2.percent_necrosis:
  Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
  0.00 0.00 5.00 17.89 20.00 90.00 580
```

```
patient.samples.sample.2.portions.portion.slides.slide.2.percent_neutrophil_infi
  0 NA's
  2 597
```

```
patient.samples.sample.2.portions.portion.slides.slide.2.percent_normal_cells:
  0 10 35 NA's
  16 1 1 581
```

```
patient.samples.sample.2.portions.portion.slides.slide.2.percent_stromal_cells:
  0   5  10 NA's
 12   1   5  581
```

```
patient.samples.sample.2.portions.portion.slides.slide.2.percent_tumor_cells:
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.    NA's
 10.00  66.25   90.00   76.11  93.75  100.00   581
```

```
patient.samples.sample.2.portions.portion.slides.slide.2.percent_tumor_nuclei:
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.    NA's
  0.00  77.50   90.00   82.89  97.50  100.00   580
```

```
patient.samples.sample.2.portions.portion.slides.slide.2.section_location:
bottom    top    NA's
   5     18    576
```

```
patient.samples.sample.2.portions.portion.slides.slide.is_derived_from_ffpe:
no NA's
 25  574
```

```
patient.samples.sample.2.portions.portion.slides.slide.percent_lymphocyte_infiltration:
 90 NA's
  1  598
```

```
patient.samples.sample.2.portions.portion.slides.slide.percent_monocyte_infiltration:
 10 NA's
  1  598
```

```
patient.samples.sample.2.portions.portion.slides.slide.percent_necrosis:
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.    NA's
  0.00   0.00   10.00   20.25  21.25   85.00   579
```

```
patient.samples.sample.2.portions.portion.slides.slide.percent_neutrophil_infiltration:
  0 NA's
  1  598
```

```
patient.samples.sample.2.portions.portion.slides.slide.percent_normal_cells:
  0  80 NA's
 19   1  579
```

```
patient.samples.sample.2.portions.portion.slides.slide.percent_stromal_cells:
  0   5  10 NA's
 15   2   3  579
```

```
patient.samples.sample.2.portions.portion.slides.slide.percent_tumor_cells:
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.    NA's
 15.00  45.00   85.00   71.25  96.25  100.00   579
```

patient.samples.sample.2.portions.portion.slides.slide.percent_tumor_nuclei:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 20.0 77.5 92.5 83.7 100.0 100.0 579

patient.samples.sample.2.portions.portion.slides.slide.section_location:
 bottom top NA's
 18 7 574

patient.samples.sample.2.portions.portion.weight:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 2.00 2.00 35.50 50.35 75.75 147.00 579

patient.samples.sample.2.portions.portion.year_of_creation:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 2009 2010 2011 2011 2011 2014 67

patient.samples.sample.2.portions.shipment_portion.center_id:
 20 NA's
 10 589

patient.samples.sample.2.portions.shipment_portion.is_ffpe:
 no NA's
 10 589

patient.samples.sample.2.portions.shipment_portion.plate_id:
 2189 NA's
 10 589

patient.samples.sample.2.portions.shipment_portion.portion_number:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 12.0 15.0 22.0 22.7 31.0 31.0 589

patient.samples.sample.2.portions.shipment_portion.shipment_portion_day_of_shipment:
 5 NA's
 10 589

patient.samples.sample.2.portions.shipment_portion.shipment_portion_month_of_shipment:
 3 NA's
 10 589

patient.samples.sample.2.portions.shipment_portion.shipment_portion_year_of_shipment:
 2012 NA's
 10 589

patient.samples.sample.2.sample_type:
 blood derived normal primary tumor recurrent tumor
 482 10 11
 solid tissue normal NA's
 29 67

patient.samples.sample.2.sample_type_id:

1	2	10	11	NA's
10	11	482	29	67

patient.samples.sample.2.shortest_dimension:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0.2000	0.3000	0.5000	0.4933	0.6000	0.9000	584

patient.samples.sample.2.vial_number:

a	b	c	NA's
488	29	15	67

patient.samples.sample.3.bcr_biospecimen_canonical_reasons.bcr_canonical_reason:

primary tumor and recurrent tumor(s)	NA's
2	597

patient.samples.sample.3.intermediate_dimension:

0.6	1.2	NA's
1	1	597

patient.samples.sample.3.is_ffpe:

no	NA's
21	578

patient.samples.sample.3.longest_dimension:

0.8	1.4	NA's
1	1	597

patient.samples.sample.3.pathology_report_file_name:

tcga-06-0210.5617d8a4-bb27-4643-a3fd-8ddcf659cb3b.pdf	1
tcga-06-0211.528ded4e-c801-4f67-bb1e-62470b39b41e.pdf	1
	NA's
	597

patient.samples.sample.3.pathology_report_uuid:

528ded4e-c801-4f67-bb1e-62470b39b41e	5617d8a4-bb27-4643-a3fd-8ddcf659cb3b
1	1
NA's	
597	

patient.samples.sample.3.portions.portion.analytes.analyte.2.a260_a280_ratio:

1.8	NA's
2	597

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.2.

96504901	NA's
----------	------

```

1      598

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.2.
1      8      10 NA's
1      11     5  582

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.2.
0.5 NA's
17  582

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.2.
Min. 1st Qu.  Median    Mean 3rd Qu.    Max.    NA's
2.00   6.00   12.00   13.59  19.00   28.00    582

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.2.
no NA's
17  582

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.2.
Min. 1st Qu.  Median    Mean 3rd Qu.    Max.    NA's
1.000   7.000   9.000   7.471   9.000  12.000    582

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.2.
Min. 1st Qu.  Median    Mean 3rd Qu.    Max.    NA's
1.000   3.000   7.000   7.176  11.000  12.000    582

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.2.
Min. 1st Qu.  Median    Mean 3rd Qu.    Max.    NA's
224.0  251.0  323.0  414.2  611.0  837.0    582

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.2.
6.65   30   200 NA's
1      6      10  582

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.2.
22 NA's
17  582

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.2.
13.3   60   400 NA's
1      6      10  582

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.2.
2007 2008 2009 2010 NA's
8      2      6      1  582

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.3.
96508768      NA's
1      598

```

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.3.
 6 9 NA's
 1 16 582

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.3.
 0.5 NA's
 17 582

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.3.
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 2.00 6.00 12.00 13.59 19.00 28.00 582

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.3.
 no NA's
 17 582

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.3.
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 1.000 7.000 9.000 7.471 9.000 12.000 582

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.3.
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 1.000 3.000 7.000 7.176 11.000 12.000 582

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.3.
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 225.0 253.0 324.0 415.8 613.0 839.0 582

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.3.
 13.35 30 200 NA's
 1 6 10 582

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.3.
 22 NA's
 17 582

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.3.
 26.7 60 400 NA's
 1 6 10 582

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.3.
 2007 2008 2009 2010 NA's
 8 2 6 1 582

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.4.
 2 4 8 NA's
 3 1 5 590

```

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.4.
0.5 NA's
  9 590

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.4.
 12 18 19 27 NA's
  5  2  1  1 590

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.4.
no NA's
  9 590

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.4.
  2  7  9 12 NA's
  1  2  5  1 590

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.4.
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.    NA's
 1.000  2.000  3.000  5.222  7.000 12.000   590

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.4.
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.    NA's
226.0  254.0  255.0  260.1  255.0  325.0   590

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.4.
 14 20 200 NA's
  3  1  5 590

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.4.
22 NA's
  9 590

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.4.
 28 40 400 NA's
  3  1  5 590

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.4.
2007 2008 NA's
  8  1 590

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.bi
 96486592 1061604002 1061604025    NA's
           1           1           1           596

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.ce
  1  2 10 NA's
  2  6 11 580

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.co

```


0.16 0.5 NA's
2 17 580

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.da
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
2.00 3.00 12.00 12.47 18.50 28.00 580

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.is
no NA's
19 580

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.mo
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
1.000 7.000 9.000 7.737 9.000 12.000 580

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.pl
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
1.000 2.000 7.000 6.526 10.500 12.000 580

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.pl
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
223.0 249.0 347.0 580.2 625.0 2005.0 580

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.qu
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
5.33 14.00 30.00 67.75 115.00 200.00 580

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.so
22 NA's
19 580

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.vo
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
28.00 30.65 60.00 137.89 230.00 400.00 580

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.ye
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
2007 2007 2008 2008 2009 2011 580

patient.samples.sample.3.portions.portion.analytes.analyte.2.amount:
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
0 0 0 149 50 1020 580

patient.samples.sample.3.portions.portion.analytes.analyte.2.analyte_type:
genomeplex (rubicon) amplified dna repli-g (qiagen) dna
1 16
rna NA's
2 580

patient.samples.sample.3.portions.portion.analytes.analyte.2.analyte_type_id:
g r w NA's

1 2 16 580

patient.samples.sample.3.portions.portion.analytes.analyte.2.concentration:
0.16 0.5 NA's
2 17 580

patient.samples.sample.3.portions.portion.analytes.analyte.2.dna.normal_tumor_ge
yes NA's
17 582

patient.samples.sample.3.portions.portion.analytes.analyte.2.dna.pcr_amplificati
no NA's
17 582

patient.samples.sample.3.portions.portion.analytes.analyte.2.gel_image_file:
<https://sharedoc.nchri.org/tcga-bcr/default.aspx>
19
NA's
580

patient.samples.sample.3.portions.portion.analytes.analyte.2.is_derived_from_ffp
no NA's
19 580

patient.samples.sample.3.portions.portion.analytes.analyte.2.protocols.protocol.
allprep rna extraction genomplex repli-g
2 1 16
NA's
580

patient.samples.sample.3.portions.portion.analytes.analyte.2.rna.ratio_28s_18s:
1.3 1.4 NA's
1 1 597

patient.samples.sample.3.portions.portion.analytes.analyte.2.rna.rinvalue:
8.4 8.5 NA's
1 1 597

patient.samples.sample.3.portions.portion.analytes.analyte.2.spectrophotometer_m
uv spec NA's
19 580

patient.samples.sample.3.portions.portion.analytes.analyte.3.aliquots.aliquot.2.
tcga-06-0125-10a-01w-0224-08 tcga-06-0216-10a-01w-0348-08
1 1
NA's
597

patient.samples.sample.3.portions.portion.analytes.analyte.3.aliquots.aliquot.2.
ccbd44f7-741f-4237-bfce-e6abc2fc1671 d41b9c4b-0f5e-4fa9-a504-46c13964b836

1
NA's
597

1

patient.samples.sample.3.portions.portion.analytes.analyte.3.aliquots.aliquot.2.

8 NA's
2 597

patient.samples.sample.3.portions.portion.analytes.analyte.3.aliquots.aliquot.2.

0.5 NA's
2 597

patient.samples.sample.3.portions.portion.analytes.analyte.3.aliquots.aliquot.2.

18 28 NA's
1 1 597

patient.samples.sample.3.portions.portion.analytes.analyte.3.aliquots.aliquot.2.

no NA's
2 597

patient.samples.sample.3.portions.portion.analytes.analyte.3.aliquots.aliquot.2.

5 7 NA's
1 1 597

patient.samples.sample.3.portions.portion.analytes.analyte.3.aliquots.aliquot.2.

6 NA's
2 597

patient.samples.sample.3.portions.portion.analytes.analyte.3.aliquots.aliquot.2.

224 348 NA's
1 1 597

patient.samples.sample.3.portions.portion.analytes.analyte.3.aliquots.aliquot.2.

a b NA's
1 1 597

patient.samples.sample.3.portions.portion.analytes.analyte.3.aliquots.aliquot.2.

200 NA's
2 597

patient.samples.sample.3.portions.portion.analytes.analyte.3.aliquots.aliquot.2.

22 NA's
2 597

patient.samples.sample.3.portions.portion.analytes.analyte.3.aliquots.aliquot.2.

400 NA's
2 597

patient.samples.sample.3.portions.portion.analytes.analyte.3.aliquots.aliquot.2.

2007 2008 NA's
1 1 597

patient.samples.sample.3.portions.portion.analytes.analyte.3.aliquots.aliquot.3.
tcga-06-0125-10a-01w-0225-09 tcga-06-0216-10a-01w-0349-09

1 1
NA's
597

patient.samples.sample.3.portions.portion.analytes.analyte.3.aliquots.aliquot.3.
7f0af751-dc78-42c2-8974-d3f073f179a7 b20b920f-8b18-4e4f-8c1d-8f9dfbc5864f

1 1
NA's
597

patient.samples.sample.3.portions.portion.analytes.analyte.3.aliquots.aliquot.3.

9 NA's
2 597

patient.samples.sample.3.portions.portion.analytes.analyte.3.aliquots.aliquot.3.

0.5 NA's
2 597

patient.samples.sample.3.portions.portion.analytes.analyte.3.aliquots.aliquot.3.

18 28 NA's
1 1 597

patient.samples.sample.3.portions.portion.analytes.analyte.3.aliquots.aliquot.3.

no NA's
2 597

patient.samples.sample.3.portions.portion.analytes.analyte.3.aliquots.aliquot.3.

5 7 NA's
1 1 597

patient.samples.sample.3.portions.portion.analytes.analyte.3.aliquots.aliquot.3.

6 NA's
2 597

patient.samples.sample.3.portions.portion.analytes.analyte.3.aliquots.aliquot.3.

225 349 NA's
1 1 597

patient.samples.sample.3.portions.portion.analytes.analyte.3.aliquots.aliquot.3.

a b NA's
1 1 597

patient.samples.sample.3.portions.portion.analytes.analyte.3.aliquots.aliquot.3.

200 NA's
2 597

patient.samples.sample.3.portions.portion.analytes.analyte.3.aliquots.aliquot.3.

22 NA's
2 597

patient.samples.sample.3.portions.portion.analytes.analyte.3.aliquots.aliquot.3.
400 NA's
2 597

patient.samples.sample.3.portions.portion.analytes.analyte.3.aliquots.aliquot.3.
2007 2008 NA's
1 1 597

patient.samples.sample.3.portions.portion.analytes.analyte.3.aliquots.aliquot.4.
tcga-06-0125-10a-01w-0226-02 NA's
1 598

patient.samples.sample.3.portions.portion.analytes.analyte.3.aliquots.aliquot.4.
50448941-2a2a-4a0c-b7ce-a88f65c1ff38 NA's
1 598

patient.samples.sample.3.portions.portion.analytes.analyte.3.aliquots.aliquot.4.
2 NA's
1 598

patient.samples.sample.3.portions.portion.analytes.analyte.3.aliquots.aliquot.4.
0.5 NA's
1 598

patient.samples.sample.3.portions.portion.analytes.analyte.3.aliquots.aliquot.4.
18 NA's
1 598

patient.samples.sample.3.portions.portion.analytes.analyte.3.aliquots.aliquot.4.
no NA's
1 598

patient.samples.sample.3.portions.portion.analytes.analyte.3.aliquots.aliquot.4.
7 NA's
1 598

patient.samples.sample.3.portions.portion.analytes.analyte.3.aliquots.aliquot.4.
6 NA's
1 598

patient.samples.sample.3.portions.portion.analytes.analyte.3.aliquots.aliquot.4.
226 NA's
1 598

patient.samples.sample.3.portions.portion.analytes.analyte.3.aliquots.aliquot.4.
b NA's
1 598

patient.samples.sample.3.portions.portion.analytes.analyte.3.aliquots.aliquot.4.
14 NA's
1 598

patient.samples.sample.3.portions.portion.analytes.analyte.3.aliquots.aliquot.4.
 22 NA's
 1 598

patient.samples.sample.3.portions.portion.analytes.analyte.3.aliquots.aliquot.4.
 28 NA's
 1 598

patient.samples.sample.3.portions.portion.analytes.analyte.3.aliquots.aliquot.4.
 2007 NA's
 1 598

patient.samples.sample.3.portions.portion.analytes.analyte.3.aliquots.aliquot.bo
 tcga-06-0125-10a-01w-0223-10 tcga-06-0216-10a-01w-0347-10
 1 1
 NA's
 597

patient.samples.sample.3.portions.portion.analytes.analyte.3.aliquots.aliquot.bo
 0a6a2033-7651-4054-a9fe-b674ac6167bf 70c21e45-6606-4815-8df0-ac276b6980d5
 1 1
 NA's
 597

patient.samples.sample.3.portions.portion.analytes.analyte.3.aliquots.aliquot.ce
 10 NA's
 2 597

patient.samples.sample.3.portions.portion.analytes.analyte.3.aliquots.aliquot.co
 0.5 NA's
 2 597

patient.samples.sample.3.portions.portion.analytes.analyte.3.aliquots.aliquot.da
 18 28 NA's
 1 1 597

patient.samples.sample.3.portions.portion.analytes.analyte.3.aliquots.aliquot.is
 no NA's
 2 597

patient.samples.sample.3.portions.portion.analytes.analyte.3.aliquots.aliquot.mo
 5 7 NA's
 1 1 597

patient.samples.sample.3.portions.portion.analytes.analyte.3.aliquots.aliquot.pl
 6 NA's
 2 597

patient.samples.sample.3.portions.portion.analytes.analyte.3.aliquots.aliquot.pl
 223 347 NA's
 1 1 597

```

patient.samples.sample.3.portions.portion.analytes.analyte.3.aliquots.aliquot.pl
a      b NA's
1      1  597

patient.samples.sample.3.portions.portion.analytes.analyte.3.aliquots.aliquot.qu
200 NA's
2    597

patient.samples.sample.3.portions.portion.analytes.analyte.3.aliquots.aliquot.so
22 NA's
2    597

patient.samples.sample.3.portions.portion.analytes.analyte.3.aliquots.aliquot.vo
400 NA's
2    597

patient.samples.sample.3.portions.portion.analytes.analyte.3.aliquots.aliquot.ye
2007 2008 NA's
1      1  597

patient.samples.sample.3.portions.portion.analytes.analyte.3.amount:
0 NA's
2    597

patient.samples.sample.3.portions.portion.analytes.analyte.3.analyte_type:
repli-g (qiagen) dna      NA's
2                    597

patient.samples.sample.3.portions.portion.analytes.analyte.3.analyte_type_id:
w NA's
2    597

patient.samples.sample.3.portions.portion.analytes.analyte.3.bcr_analyte_barcode
tcga-06-0125-10a-01w tcga-06-0216-10a-01w      NA's
1                    1                    597

patient.samples.sample.3.portions.portion.analytes.analyte.3.bcr_analyte_uuid:
86c184c5-fbf0-4fb1-a30b-1b71dba5a7bf 9699b730-00e6-4752-9d49-6e6435dc0f5b
1                    1
NA's
597

patient.samples.sample.3.portions.portion.analytes.analyte.3.concentration:
0.5 NA's
2    597

patient.samples.sample.3.portions.portion.analytes.analyte.3.dna.normal_tumor_ge
yes NA's
2    597

patient.samples.sample.3.portions.portion.analytes.analyte.3.dna.pcr_amplificati
no NA's

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2 597

patient.samples.sample.3.portions.portion.analytes.analyte.3.gel_image_file:
<https://sharedoc.nchri.org/tcga-bcr/default.aspx>

2
 NA's
 597

patient.samples.sample.3.portions.portion.analytes.analyte.3.is_derived_from_ffp

no NA's
 2 597

patient.samples.sample.3.portions.portion.analytes.analyte.3.protocols.protocol.
 repli-g NA's

2 597

patient.samples.sample.3.portions.portion.analytes.analyte.3.spectrophotometer_m
 uv spec NA's

2 597

patient.samples.sample.3.portions.portion.analytes.analyte.4.aliquots.aliquot.2.
 tcga-06-0216-10a-01w-0410-10 NA's

1 598

patient.samples.sample.3.portions.portion.analytes.analyte.4.aliquots.aliquot.2.
 93014d3e-9d50-41bb-9119-1735961217b6 NA's

1 598

patient.samples.sample.3.portions.portion.analytes.analyte.4.aliquots.aliquot.2.

10 NA's
 1 598

patient.samples.sample.3.portions.portion.analytes.analyte.4.aliquots.aliquot.2.

0.5 NA's
 1 598

patient.samples.sample.3.portions.portion.analytes.analyte.4.aliquots.aliquot.2.

19 NA's
 1 598

patient.samples.sample.3.portions.portion.analytes.analyte.4.aliquots.aliquot.2.

no NA's
 1 598

patient.samples.sample.3.portions.portion.analytes.analyte.4.aliquots.aliquot.2.

11 NA's
 1 598

patient.samples.sample.3.portions.portion.analytes.analyte.4.aliquots.aliquot.2.

4 NA's
 1 598

patient.samples.sample.3.portions.portion.analytes.analyte.4.aliquots.aliquot.2.
410 NA's
1 598

patient.samples.sample.3.portions.portion.analytes.analyte.4.aliquots.aliquot.2.
f NA's
1 598

patient.samples.sample.3.portions.portion.analytes.analyte.4.aliquots.aliquot.2.
5 NA's
1 598

patient.samples.sample.3.portions.portion.analytes.analyte.4.aliquots.aliquot.2.
22 NA's
1 598

patient.samples.sample.3.portions.portion.analytes.analyte.4.aliquots.aliquot.2.
10 NA's
1 598

patient.samples.sample.3.portions.portion.analytes.analyte.4.aliquots.aliquot.2.
2008 NA's
1 598

patient.samples.sample.3.portions.portion.analytes.analyte.4.aliquots.aliquot.3.
tcga-06-0216-10a-01w-0411-09 NA's
1 598

patient.samples.sample.3.portions.portion.analytes.analyte.4.aliquots.aliquot.3.
d27e7a9b-e407-44f4-8a2c-91d3eb5db3cb NA's
1 598

patient.samples.sample.3.portions.portion.analytes.analyte.4.aliquots.aliquot.3.
9 NA's
1 598

patient.samples.sample.3.portions.portion.analytes.analyte.4.aliquots.aliquot.3.
0.5 NA's
1 598

patient.samples.sample.3.portions.portion.analytes.analyte.4.aliquots.aliquot.3.
19 NA's
1 598

patient.samples.sample.3.portions.portion.analytes.analyte.4.aliquots.aliquot.3.
no NA's
1 598

patient.samples.sample.3.portions.portion.analytes.analyte.4.aliquots.aliquot.3.
11 NA's
1 598

patient.samples.sample.3.portions.portion.analytes.analyte.4.aliquots.aliquot.3.
 4 NA's
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patient.samples.sample.3.portions.portion.analytes.analyte.4.aliquots.aliquot.3.
 411 NA's
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patient.samples.sample.3.portions.portion.analytes.analyte.4.aliquots.aliquot.3.
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patient.samples.sample.3.portions.portion.analytes.analyte.4.aliquots.aliquot.3.
 5 NA's
 1 598

patient.samples.sample.3.portions.portion.analytes.analyte.4.aliquots.aliquot.3.
 22 NA's
 1 598

patient.samples.sample.3.portions.portion.analytes.analyte.4.aliquots.aliquot.3.
 10 NA's
 1 598

patient.samples.sample.3.portions.portion.analytes.analyte.4.aliquots.aliquot.3.
 2008 NA's
 1 598

patient.samples.sample.3.portions.portion.analytes.analyte.4.aliquots.aliquot.bo
 tcga-06-0216-10a-01w-0409-08 NA's
 1 598

patient.samples.sample.3.portions.portion.analytes.analyte.4.aliquots.aliquot.bo
 b0633227-4493-4722-a4cb-dace5c4931df NA's
 1 598

patient.samples.sample.3.portions.portion.analytes.analyte.4.aliquots.aliquot.ce
 8 NA's
 1 598

patient.samples.sample.3.portions.portion.analytes.analyte.4.aliquots.aliquot.co
 0.5 NA's
 1 598

patient.samples.sample.3.portions.portion.analytes.analyte.4.aliquots.aliquot.da
 19 NA's
 1 598

patient.samples.sample.3.portions.portion.analytes.analyte.4.aliquots.aliquot.is
 no NA's
 1 598

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patient.samples.sample.3.portions.portion.analytes.analyte.4.aliquots.aliquot.mo
  11 NA's
  1 598

patient.samples.sample.3.portions.portion.analytes.analyte.4.aliquots.aliquot.pl
  4 NA's
  1 598

patient.samples.sample.3.portions.portion.analytes.analyte.4.aliquots.aliquot.pl
 409 NA's
  1 598

patient.samples.sample.3.portions.portion.analytes.analyte.4.aliquots.aliquot.pl
  f NA's
  1 598

patient.samples.sample.3.portions.portion.analytes.analyte.4.aliquots.aliquot.qu
  5 NA's
  1 598

patient.samples.sample.3.portions.portion.analytes.analyte.4.aliquots.aliquot.sc
 22 NA's
  1 598

patient.samples.sample.3.portions.portion.analytes.analyte.4.aliquots.aliquot.vo
 10 NA's
  1 598

patient.samples.sample.3.portions.portion.analytes.analyte.4.aliquots.aliquot.ye
2008 NA's
  1 598

patient.samples.sample.3.portions.portion.analytes.analyte.4.amount:
 120 NA's
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patient.samples.sample.3.portions.portion.analytes.analyte.4.analyte_type:
repli-g (qiagen) dna          NA's
                        1          598

patient.samples.sample.3.portions.portion.analytes.analyte.4.analyte_type_id:
  w NA's
  1 598

patient.samples.sample.3.portions.portion.analytes.analyte.4.bcr_analyte_barcode
tcga-06-0216-10a-01w          NA's
                        1          598

patient.samples.sample.3.portions.portion.analytes.analyte.4.bcr_analyte_uuid:
9699b730-00e6-4752-9d49-6e6435dc0f5b          NA's
                        1          598
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patient.samples.sample.3.portions.portion.analytes.analyte.4.concentration:
 0.5 NA's
 1 598

patient.samples.sample.3.portions.portion.analytes.analyte.4.dna.normal_tumor_ge
 yes NA's
 1 598

patient.samples.sample.3.portions.portion.analytes.analyte.4.dna.pcr_amplificati
 no NA's
 1 598

patient.samples.sample.3.portions.portion.analytes.analyte.4.gel_image_file:
<https://sharedoc.nchri.org/tcga-bcr/default.aspx>
 1
 NA's
 598

patient.samples.sample.3.portions.portion.analytes.analyte.4.is_derived_from_ffp
 no NA's
 1 598

patient.samples.sample.3.portions.portion.analytes.analyte.4.protocols.protocol.
 repli-g NA's
 1 598

patient.samples.sample.3.portions.portion.analytes.analyte.4.spectrophotometer_m
 picogreen NA's
 1 598

patient.samples.sample.3.portions.portion.analytes.analyte.a260_a280_ratio:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 1.800 1.890 1.900 1.891 1.900 1.910 578

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.2.bi
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 9.129e+07 1.054e+09 1.054e+09 8.614e+08 1.054e+09 1.054e+09 594

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.2.ce
 1 2 4 NA's
 5 4 12 578

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.2.co
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 0.1300 0.1500 0.1500 0.1548 0.1700 0.1800 578

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.2.da
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 3.0 13.0 24.0 19.1 28.0 29.0 578

```

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.2.is
no NA's
21 578

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.2.mo
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.   NA's
  1.000  5.000  8.000  6.762  8.000  10.000  578

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.2.pl
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.   NA's
  1.000  4.000  5.000  5.762  8.000  11.000  578

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.2.pl
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.   NA's
  215.0  237.0  385.0  677.9  592.0  2003.0  578

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.2.qu
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.   NA's
  1.300  2.800  3.740  3.371  4.010  5.000  578

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.2.so
22 NA's
21 578

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.2.vo
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.   NA's
  10.00  20.00  23.50  21.92  26.70  33.30  578

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.2.ye
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.   NA's
  2007  2007  2008  2009  2009  2011  578

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.3.bi
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.   NA's
8.957e+07 1.283e+08 1.054e+09 6.760e+08 1.054e+09 1.054e+09 594

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.3.ce
  4 5 6 8 NA's
  5 2 12 2 578

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.3.co
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.   NA's
  0.0500 0.1400 0.1500 0.1438 0.1600 0.1800 578

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.3.da
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.   NA's
  3.00  13.00  24.00  19.71  28.00  29.00  578

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.3.is

```

no NA's
21 578

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.3.mo
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
1.000 5.000 6.000 6.524 8.000 10.000 578

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.3.pl
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
1.000 4.000 5.000 5.762 8.000 11.000 578

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.3.pl
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
216.0 239.0 386.0 692.3 593.0 2280.0 578

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.3.qu
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
1.000 2.000 2.130 3.164 3.000 6.800 578

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.3.sc
22 NA's
21 578

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.3.vo
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
11.80 13.30 13.30 23.09 40.00 60.00 578

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.3.ye
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
2007 2007 2008 2009 2009 2012 578

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.4.bi
89576919 128286587 128286588 1049950527 NA's
1 1 1 1 595

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.4.ce
2 6 8 NA's
11 5 3 580

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.4.co
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
0.0500 0.1400 0.1500 0.1379 0.1600 0.1800 580

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.4.da
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
3.00 13.00 20.00 19.58 28.50 29.00 580

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.4.is
no NA's

19 580

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.4.mo

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1.000	5.000	6.000	5.842	8.000	9.000	580

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.4.pl

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1.000	3.500	5.000	5.684	8.000	11.000	580

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.4.pl

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
217.0	241.0	387.0	645.3	594.0	2280.0	580

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.4.qu

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
2.000	2.995	3.000	3.210	3.400	5.000	580

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.4.sc

22 NA's
19 580

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.4.vo

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
17.60	20.00	20.00	26.54	26.65	60.00	580

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.4.ye

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
2007	2007	2008	2009	2009	2012	580

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.5.bi

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
9.754e+07	1.050e+09	1.050e+09	9.004e+08	1.057e+09	1.076e+09	587

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.5.ce

1	8	9	10	NA's
2	9	3	2	583

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.5.co

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0.0500	0.0500	0.0500	0.0850	0.1425	0.1800	583

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.5.da

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
3.00	3.00	6.00	11.12	16.75	29.00	583

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.5.is

no NA's
16 583

```

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.5.mo
  Min. 1st Qu.  Median      Mean 3rd Qu.    Max.    NA's
  1.000  1.000  4.500   3.875  5.500   8.000   583

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.5.pl
  Min. 1st Qu.  Median      Mean 3rd Qu.    Max.    NA's
  1.000  2.000  5.500   5.375  8.250  12.000   583

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.5.pl
  Min. 1st Qu.  Median      Mean 3rd Qu.    Max.    NA's
  333.0  880.5 1491.0 1409.4 1690.5 2366.0   583

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.5.qu
  Min. 1st Qu.  Median      Mean 3rd Qu.    Max.    NA's
  0.570  1.500  2.000   4.224  2.000  20.000   583

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.5.sc
  22 NA's
  16 583

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.5.vo
  Min. 1st Qu.  Median      Mean 3rd Qu.    Max.    NA's
  3.33  30.00  40.00  44.13  40.00  133.30   583

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.5.ye
  Min. 1st Qu.  Median      Mean 3rd Qu.    Max.    NA's
  2008  2010  2011  2011  2011  2012   583

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.6.bi
  Min. 1st Qu.  Median      Mean 3rd Qu.    Max.    NA's
  9.754e+07 1.063e+09 1.076e+09 9.328e+08 1.076e+09 1.076e+09 592

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.6.ce
  1 4 8 9 NA's
  1 1 1 6 590

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.6.co
  0.05 0.14 0.17 0.18 NA's
  6 1 1 1 590

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.6.da
  3 6 19 29 NA's
  1 2 1 5 590

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.6.is
  no NA's
  9 590

```


patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.6.mo
 1 5 8 NA's
 1 3 5 590

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.6.pl
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 1.000 3.000 4.000 3.778 4.000 9.000 590

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.6.pl
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 334 1003 2366 1685 2366 2366 590

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.6.qu
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 0.600 1.500 1.500 2.454 2.000 7.990 590

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.6.sc
 22 NA's
 9 590

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.6.vo
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 3.33 30.00 30.00 30.44 30.00 57.10 590

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.6.ye
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 2008 2010 2012 2011 2012 2012 590

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.7.bi
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 9.754e+07 1.508e+08 1.539e+08 3.225e+08 1.603e+08 1.050e+09 594

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.7.ce
 2 6 8 NA's
 1 1 4 593

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.7.co
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 0.0500 0.0725 0.0850 0.1000 0.1275 0.1700 593

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.7.da
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 2.000 3.750 6.000 9.167 14.250 21.000 593

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.7.is
 no NA's
 6 593

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.7.mo

1 5 10 NA's
2 2 2 593

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.7.pl

1 4 6 NA's
4 1 1 593

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.7.pl

a c h NA's
2 1 3 593

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.7.qu

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0.9400	0.9725	1.4350	1.4600	1.9500	2.0100	593

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.7.sc

22 23 NA's
3 3 593

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.7.vo

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
6.70	12.20	13.40	17.55	18.35	40.00	593

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.7.ye

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
2008	2010	2012	2012	2013	2014	593

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.8.bo

tcga-06-0152-10a-01d-2366-09 tcga-06-0216-10a-01d-0336-02
1 1
NA's
597

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.8.bo

99f2308c-9c22-461f-af58-6a09f62ede38 cf57b176-b76b-4210-8afd-1ab3c8c92ff0
1 1
NA's
597

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.8.bi

1076437049 NA's
1 598

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.8.ce

2 9 NA's
1 1 597

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.8.co

0.05 0.17 NA's
1 1 597

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.8.da
 6 29 NA's
 1 1 597

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.8.is
 no NA's
 2 597

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.8.mo
 5 8 NA's
 1 1 597

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.8.pl
 3 4 NA's
 1 1 597

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.8.pl
 336 2366 NA's
 1 1 597

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.8.pl
 f h NA's
 1 1 597

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.8.qu
 1.5 2.99 NA's
 1 1 597

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.8.sc
 22 NA's
 2 597

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.8.vo
 17.6 30 NA's
 1 1 597

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.8.ye
 2008 2012 NA's
 1 1 597

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.9.bo
 tcga-06-0216-10a-01d-1492-08 NA's
 1 598

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.9.bo
 1e3c9b2d-1a94-4b4b-a3e9-967c77c6498d NA's
 1 598

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.9.bi
 1049951819 NA's
 1 598

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.9.ce
 8 NA's
 1 598

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.9.co
 0.05 NA's
 1 598

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.9.da
 3 NA's
 1 598

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.9.is
 no NA's
 1 598

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.9.mo
 1 NA's
 1 598

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.9.pl
 8 NA's
 1 598

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.9.pl
 1492 NA's
 1 598

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.9.pl
 d NA's
 1 598

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.9.qu
 2 NA's
 1 598

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.9.so
 22 NA's
 1 598

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.9.vo
 40 NA's
 1 598

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.9.ye
 2011 NA's
 1 598

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.bios
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's

9.129e+07 1.054e+09 1.054e+09 8.614e+08 1.054e+09 1.054e+09 594

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.cent

1 6 NA's
16 5 578

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.conc

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0.1300	0.1500	0.1500	0.1548	0.1700	0.1800	578

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.day_

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
3.0	13.0	24.0	19.1	28.0	29.0	578

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.is_d

no NA's
21 578

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.mont

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1.000	5.000	8.000	6.762	8.000	10.000	578

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.plat

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1.000	4.000	5.000	5.762	8.000	11.000	578

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.plat

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
214.0	235.0	384.0	676.6	591.0	2002.0	578

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.quant

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0.930	1.010	1.070	2.161	2.000	5.660	578

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.sour

22 NA's
21 578

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.vol

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
5.90	6.70	6.70	13.93	13.30	33.30	578

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.year

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
2007	2007	2008	2009	2009	2011	578

patient.samples.sample.3.portions.portion.analytes.analyte.amount:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0.00	32.87	133.30	166.13	232.40	600.00	578

patient.samples.sample.3.portions.portion.analytes.analyte.analyte_type:

```

dna NA's
21 578

patient.samples.sample.3.portions.portion.analytes.analyte.analyte_type_id:
d NA's
21 578

patient.samples.sample.3.portions.portion.analytes.analyte.bcr_biospecimen_canon
portioning study NA's
1 598

patient.samples.sample.3.portions.portion.analytes.analyte.concentration:
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
0.1300 0.1500 0.1500 0.1557 0.1700 0.1800 578

patient.samples.sample.3.portions.portion.analytes.analyte.dna.normal_tumor_gene
yes NA's
21 578

patient.samples.sample.3.portions.portion.analytes.analyte.dna.pcr_amplification
no yes NA's
3 18 578

patient.samples.sample.3.portions.portion.analytes.analyte.gel_image_file:
https://sharedoc.nchri.org/tcga-bcr/default.aspx
21
NA's
578

patient.samples.sample.3.portions.portion.analytes.analyte.is_derived_from_ffpe:
no NA's
21 578

patient.samples.sample.3.portions.portion.analytes.analyte.protocols.protocol.ex
adna preparation type chemical lysis dna extraction
2 15
pre-extracted dna received by tss NA's
4 578

patient.samples.sample.3.portions.portion.analytes.analyte.spectrophotometer_met
uv spec NA's
21 578

patient.samples.sample.3.portions.portion.day_of_creation:
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
1.00 14.00 14.00 13.43 14.00 27.00 578

patient.samples.sample.3.portions.portion.is_ffpe:

```

no NA's
21 578

patient.samples.sample.3.portions.portion.month_of_creation:
2 4 7 10 NA's
2 2 15 2 578

patient.samples.sample.3.portions.portion.portion_number:
1 2 NA's
20 1 578

patient.samples.sample.3.portions.portion.slides.slide.2.bcr_slide_barcode:
tcga-06-0210-02a-01-ts1 tcga-06-0211-02a-02-bs2 NA's
1 1 597

patient.samples.sample.3.portions.portion.slides.slide.2.bcr_slide_uuid:
5e5f48ad-8612-49ea-980e-b583c4e724ec d4bd5992-f2b5-400c-9b84-24bd269b482c
1 1
NA's
597

patient.samples.sample.3.portions.portion.slides.slide.2.is_derived_from_ffpe:
no NA's
2 597

patient.samples.sample.3.portions.portion.slides.slide.2.percent_necrosis:
5 NA's
1 598

patient.samples.sample.3.portions.portion.slides.slide.2.percent_normal_cells:
0 NA's
1 598

patient.samples.sample.3.portions.portion.slides.slide.2.percent_stromal_cells:
10 NA's
1 598

patient.samples.sample.3.portions.portion.slides.slide.2.percent_tumor_cells:
85 NA's
1 598

patient.samples.sample.3.portions.portion.slides.slide.2.percent_tumor_nuclei:
90 NA's
1 598

patient.samples.sample.3.portions.portion.slides.slide.2.section_location:
bottom top NA's
1 1 597

patient.samples.sample.3.portions.portion.slides.slide.bcr_slide_barcode:
tcga-06-0210-02a-01-bs1 tcga-06-0211-02a-01-bs1 NA's
1 1 597

```

patient.samples.sample.3.portions.portion.slides.slide.bcr_slide_uuid:
2fb83c94-f310-4136-919f-8f483d697f9a 446598f7-75be-4c3f-805d-a20fa0643008
                                1                                1
                                NA's
                                597

patient.samples.sample.3.portions.portion.slides.slide.is_derived_from_ffpe:
no NA's
2 597

patient.samples.sample.3.portions.portion.slides.slide.percent_necrosis:
0 10 NA's
1 1 597

patient.samples.sample.3.portions.portion.slides.slide.percent_normal_cells:
0 NA's
1 598

patient.samples.sample.3.portions.portion.slides.slide.percent_stromal_cells:
10 20 NA's
1 1 597

patient.samples.sample.3.portions.portion.slides.slide.percent_tumor_cells:
80 NA's
2 597

patient.samples.sample.3.portions.portion.slides.slide.percent_tumor_nuclei:
80 90 NA's
1 1 597

patient.samples.sample.3.portions.portion.slides.slide.section_location:
bottom top NA's
1 1 597

patient.samples.sample.3.portions.portion.weight:
118 119 NA's
1 1 597

patient.samples.sample.3.portions.portion.year_of_creation:
2009 2010 2011 NA's
2 1 18 578

patient.samples.sample.3.portions.shipment_portion.bcr_shipment_portion_uuid:
f8f3fffc-4e71-4000-98f4-bd91286aabc3 NA's
                                1                                598

patient.samples.sample.3.portions.shipment_portion.center_id:
20 NA's
1 598

patient.samples.sample.3.portions.shipment_portion.is_ffpe:

```



```

no NA's
1 598

patient.samples.sample.3.portions.shipment_portion.plate_id:
2189 NA's
1 598

patient.samples.sample.3.portions.shipment_portion.portion_number:
21 NA's
1 598

patient.samples.sample.3.portions.shipment_portion.shipment_portion_bcr_aliquot_
tcga-06-0210-02a-21-2189-20 NA's
1 598

patient.samples.sample.3.portions.shipment_portion.shipment_portion_day_of_shipm
5 NA's
1 598

patient.samples.sample.3.portions.shipment_portion.shipment_portion_month_of_shi
3 NA's
1 598

patient.samples.sample.3.portions.shipment_portion.shipment_portion_year_of_ship
2012 NA's
1 598

patient.samples.sample.3.sample_type:
blood derived normal recurrent tumor NA's
19 2 578

patient.samples.sample.3.sample_type_id:
2 10 NA's
2 19 578

patient.samples.sample.3.shortest_dimension:
0.3 0.4 NA's
1 1 597

patient.samples.sample.3.vial_number:
a b c NA's
17 2 2 578

patient.samples.sample.4.bcr_sample_barcode:
tcga-06-0210-10a tcga-06-0211-10a tcga-19-0957-10b tcga-19-1389-10d
1 1 1 1
NA's
595

patient.samples.sample.4.bcr_sample_uuid:
074a1516-3adc-41d0-84cb-2a5b13c44469 4b511d1f-f753-4d9b-b47b-fca98b8d3e03
1 1

```

```
5c4ba77d-d7f4-4d66-b9a9-875167a063ae b48285a2-9d65-4c6e-ac58-555f87d5a9d2
      1 1
      NA's
      595
```

```
patient.samples.sample.4.is_ffpe:
  no NA's
  4 595
```

```
patient.samples.sample.4.portions.portion.analytes.analyte.2.aliquots.aliquot.2.
tcga-06-0210-10a-01w-0251-10 tcga-06-0211-10a-01w-0251-10
      1 1
      NA's
      597
```

```
patient.samples.sample.4.portions.portion.analytes.analyte.2.aliquots.aliquot.2.
aabfa801-56a7-4de4-9bc8-f5f6bbf63ec9 f664a5bd-35f1-42e3-b1c6-f8de5ddb511e
      1 1
      NA's
      597
```

```
patient.samples.sample.4.portions.portion.analytes.analyte.2.aliquots.aliquot.2.
  10 NA's
  2 597
```

```
patient.samples.sample.4.portions.portion.analytes.analyte.2.aliquots.aliquot.2.
  0.5 NA's
  2 597
```

```
patient.samples.sample.4.portions.portion.analytes.analyte.2.aliquots.aliquot.2.
  12 NA's
  2 597
```

```
patient.samples.sample.4.portions.portion.analytes.analyte.2.aliquots.aliquot.2.
  no NA's
  2 597
```

```
patient.samples.sample.4.portions.portion.analytes.analyte.2.aliquots.aliquot.2.
  9 NA's
  2 597
```

```
patient.samples.sample.4.portions.portion.analytes.analyte.2.aliquots.aliquot.2.
  1 NA's
  2 597
```

```
patient.samples.sample.4.portions.portion.analytes.analyte.2.aliquots.aliquot.2.
  251 NA's
  2 597
```

```
patient.samples.sample.4.portions.portion.analytes.analyte.2.aliquots.aliquot.2.
  e f NA's
  1 1 597
```

patient.samples.sample.4.portions.portion.analytes.analyte.2.aliquots.aliquot.2.
200 NA's
2 597

patient.samples.sample.4.portions.portion.analytes.analyte.2.aliquots.aliquot.2.
22 NA's
2 597

patient.samples.sample.4.portions.portion.analytes.analyte.2.aliquots.aliquot.2.
400 NA's
2 597

patient.samples.sample.4.portions.portion.analytes.analyte.2.aliquots.aliquot.2.
2007 NA's
2 597

patient.samples.sample.4.portions.portion.analytes.analyte.2.aliquots.aliquot.3.
tcga-06-0210-10a-01w-0253-09 tcga-06-0211-10a-01w-0253-09
1 1
NA's
597

patient.samples.sample.4.portions.portion.analytes.analyte.2.aliquots.aliquot.3.
4e0a244d-fcba-4f9a-9eb8-ca0a1228014f dff013d9-2df1-412a-a84c-10984ca30b01
1 1
NA's
597

patient.samples.sample.4.portions.portion.analytes.analyte.2.aliquots.aliquot.3.
9 NA's
2 597

patient.samples.sample.4.portions.portion.analytes.analyte.2.aliquots.aliquot.3.
0.5 NA's
2 597

patient.samples.sample.4.portions.portion.analytes.analyte.2.aliquots.aliquot.3.
12 NA's
2 597

patient.samples.sample.4.portions.portion.analytes.analyte.2.aliquots.aliquot.3.
no NA's
2 597

patient.samples.sample.4.portions.portion.analytes.analyte.2.aliquots.aliquot.3.
9 NA's
2 597

patient.samples.sample.4.portions.portion.analytes.analyte.2.aliquots.aliquot.3.
1 NA's
2 597

```

patient.samples.sample.4.portions.portion.analytes.analyte.2.aliquots.aliquot.3.
  253 NA's
    2  597

patient.samples.sample.4.portions.portion.analytes.analyte.2.aliquots.aliquot.3.
  e   f NA's
    1   1  597

patient.samples.sample.4.portions.portion.analytes.analyte.2.aliquots.aliquot.3.
  200 NA's
    2  597

patient.samples.sample.4.portions.portion.analytes.analyte.2.aliquots.aliquot.3.
  22 NA's
    2  597

patient.samples.sample.4.portions.portion.analytes.analyte.2.aliquots.aliquot.3.
  400 NA's
    2  597

patient.samples.sample.4.portions.portion.analytes.analyte.2.aliquots.aliquot.3.
  2007 NA's
    2  597

patient.samples.sample.4.portions.portion.analytes.analyte.2.aliquots.aliquot.4.
tcga-06-0210-10a-01w-0255-08 tcga-06-0211-10a-01w-0255-08
                                1                                1
                                NA's
                                597

patient.samples.sample.4.portions.portion.analytes.analyte.2.aliquots.aliquot.4.
c0bb8ae1-94be-47c8-89d6-8db33468ae5e e038c4b5-d174-41e7-9cc4-e4a65bc0623f
                                1                                1
                                NA's
                                597

patient.samples.sample.4.portions.portion.analytes.analyte.2.aliquots.aliquot.4.
  8 NA's
    2  597

patient.samples.sample.4.portions.portion.analytes.analyte.2.aliquots.aliquot.4.
  0.5 NA's
    2  597

patient.samples.sample.4.portions.portion.analytes.analyte.2.aliquots.aliquot.4.
  12 NA's
    2  597

patient.samples.sample.4.portions.portion.analytes.analyte.2.aliquots.aliquot.4.
  no NA's
    2  597

```

patient.samples.sample.4.portions.portion.analytes.analyte.2.aliquots.aliquot.4.
 9 NA's
 2 597

patient.samples.sample.4.portions.portion.analytes.analyte.2.aliquots.aliquot.4.
 1 NA's
 2 597

patient.samples.sample.4.portions.portion.analytes.analyte.2.aliquots.aliquot.4.
 255 NA's
 2 597

patient.samples.sample.4.portions.portion.analytes.analyte.2.aliquots.aliquot.4.
 e f NA's
 1 1 597

patient.samples.sample.4.portions.portion.analytes.analyte.2.aliquots.aliquot.4.
 200 NA's
 2 597

patient.samples.sample.4.portions.portion.analytes.analyte.2.aliquots.aliquot.4.
 22 NA's
 2 597

patient.samples.sample.4.portions.portion.analytes.analyte.2.aliquots.aliquot.4.
 400 NA's
 2 597

patient.samples.sample.4.portions.portion.analytes.analyte.2.aliquots.aliquot.4.
 2007 NA's
 2 597

patient.samples.sample.4.portions.portion.analytes.analyte.2.aliquots.aliquot.bo
 tcga-06-0210-10a-01w-0249-02 tcga-06-0211-10a-01w-0249-02
 1 1
 NA's
 597

patient.samples.sample.4.portions.portion.analytes.analyte.2.aliquots.aliquot.bo
 5cebdc7d-af29-434c-ab62-8cac1c4ee77d 8b08e56a-34ad-4738-8618-065c69f04074
 1 1
 NA's
 597

patient.samples.sample.4.portions.portion.analytes.analyte.2.aliquots.aliquot.ce
 2 NA's
 2 597

patient.samples.sample.4.portions.portion.analytes.analyte.2.aliquots.aliquot.co
 0.5 NA's
 2 597

```

patient.samples.sample.4.portions.portion.analytes.analyte.2.aliquots.aliquot.da
  12 NA's
  2 597

patient.samples.sample.4.portions.portion.analytes.analyte.2.aliquots.aliquot.is
  no NA's
  2 597

patient.samples.sample.4.portions.portion.analytes.analyte.2.aliquots.aliquot.mo
  9 NA's
  2 597

patient.samples.sample.4.portions.portion.analytes.analyte.2.aliquots.aliquot.pl
  1 NA's
  2 597

patient.samples.sample.4.portions.portion.analytes.analyte.2.aliquots.aliquot.pl
  249 NA's
  2 597

patient.samples.sample.4.portions.portion.analytes.analyte.2.aliquots.aliquot.pl
  e   f NA's
  1   1 597

patient.samples.sample.4.portions.portion.analytes.analyte.2.aliquots.aliquot.qu
  14 NA's
  2 597

patient.samples.sample.4.portions.portion.analytes.analyte.2.aliquots.aliquot.so
  22 NA's
  2 597

patient.samples.sample.4.portions.portion.analytes.analyte.2.aliquots.aliquot.vo
  28 NA's
  2 597

patient.samples.sample.4.portions.portion.analytes.analyte.2.aliquots.aliquot.ye
  2007 NA's
  2 597

patient.samples.sample.4.portions.portion.analytes.analyte.2.amount:
  0 NA's
  2 597

patient.samples.sample.4.portions.portion.analytes.analyte.2.analyte_type:
repli-g (qiagen) dna          NA's
                   2          597

patient.samples.sample.4.portions.portion.analytes.analyte.2.analyte_type_id:
  w NA's
  2 597

```

```

patient.samples.sample.4.portions.portion.analytes.analyte.2.bcr_analyte_barcode:
tcga-06-0210-10a-01w tcga-06-0211-10a-01w NA's
1 1 597

```

```

patient.samples.sample.4.portions.portion.analytes.analyte.2.bcr_analyte_uuid:
74382ecd-7d5f-4107-9cc8-a33ff90568f9 89950671-f0b9-491e-8fcf-6ce9d812ae5b
1 1
NA's
597

```

```

patient.samples.sample.4.portions.portion.analytes.analyte.2.concentration:
0.5 NA's
2 597

```

```

patient.samples.sample.4.portions.portion.analytes.analyte.2.dna.normal_tumor_ge
yes NA's
2 597

```

```

patient.samples.sample.4.portions.portion.analytes.analyte.2.dna.pcr_amplificati
no NA's
2 597

```

```

patient.samples.sample.4.portions.portion.analytes.analyte.2.gel_image_file:
https://sharedoc.nchri.org/tcga-bcr/default.aspx
2
NA's
597

```

```

patient.samples.sample.4.portions.portion.analytes.analyte.2.is_derived_from_ffp
no NA's
2 597

```

```

patient.samples.sample.4.portions.portion.analytes.analyte.2.protocols.protocol.
repli-g NA's
2 597

```

```

patient.samples.sample.4.portions.portion.analytes.analyte.2.spectrophotometer_m
uv spec NA's
2 597

```

```

patient.samples.sample.4.portions.portion.analytes.analyte.a260_a280_ratio:
1.84 1.85 NA's
1 1 597

```

```

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.2.bo
tcga-06-0210-10a-01d-0237-01 tcga-06-0211-10a-01d-0237-01
1 1
tcga-19-0957-10b-01d-2366-09 tcga-19-1389-10d-01d-2364-08
1 1
NA's
595

```

```

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.2.bo
0c575fce-e5b9-4386-9d3d-ea120a0104ba 1af2e986-70d4-4f60-a52b-134678fe5cee
                                1                                1
32c52390-7282-4b95-a3d7-37b3618fa579 fc515c66-0198-47fd-8892-4d0d13bf3f20
                                1                                1
                                NA's
                                595

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.2.bi
1076437048 1076438077          NA's
                1                1          597

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.2.ce
  1      8      9 NA's
  2      1      1 595

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.2.co
0.05 0.18 0.19 NA's
  2    1    1 595

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.2.da
29 NA's
  4 595

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.2.is
no NA's
  4 595

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.2.mo
  8 NA's
  4 595

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.2.pl
  4    5    6 NA's
  1    2    1 595

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.2.pl
237 2364 2366 NA's
  2    1    1 595

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.2.pl
  c    d    f NA's
  1    2    1 595

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.2.qu
1.5 1.8 1.9 NA's
  2    1    1 595

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.2.so
22 NA's
  4 595

```


patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.2.vo
 10 30 NA's
 2 2 595

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.2.ye
 2007 2012 NA's
 2 2 595

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.3.bo
 tcga-06-0210-10a-01d-0239-04 tcga-06-0211-10a-01d-0239-04
 1 1
 NA's
 597

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.3.bo
 0d1a973a-ad05-43c5-aff3-bd12c94d3767 61c18d5d-5614-49f9-b151-f21b701e8b2b
 1 1
 NA's
 597

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.3.ce
 4 NA's
 2 597

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.3.co
 0.18 0.19 NA's
 1 1 597

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.3.da
 29 NA's
 2 597

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.3.is
 no NA's
 2 597

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.3.mo
 8 NA's
 2 597

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.3.pl
 5 NA's
 2 597

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.3.pl
 239 NA's
 2 597

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.3.pl
 c d NA's
 1 1 597

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.3.qu
 7.2 7.6 NA's
 1 1 597

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.3.so
 22 NA's
 2 597

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.3.vo
 40 NA's
 2 597

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.3.ye
 2007 NA's
 2 597

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.4.bo
 tcga-06-0210-10a-01d-0241-06 tcga-06-0211-10a-01d-0241-06
 1 1
 NA's
 597

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.4.bo
 2908c4e3-c13d-4985-a8a9-d114169817e3 37068265-58a8-41ba-a74e-dee3f07df111
 1 1
 NA's
 597

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.4.ce
 6 NA's
 2 597

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.4.co
 0.18 0.19 NA's
 1 1 597

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.4.da
 29 NA's
 2 597

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.4.is
 no NA's
 2 597

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.4.mo
 8 NA's
 2 597

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.4.pl
 5 NA's
 2 597

```

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.4.pl
241 NA's
2 597

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.4.pl
c d NA's
1 1 597

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.4.qu
3.6 3.8 NA's
1 1 597

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.4.so
22 NA's
2 597

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.4.vo
20 NA's
2 597

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.4.ye
2007 NA's
2 597

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.5.bo
tcga-06-0210-10a-01d-1491-08 tcga-06-0211-10a-01d-1491-08
1 1
NA's
597

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.5.bo
4e2a4226-999f-4cca-bf37-17d54b7f8a96 ebf97220-6d4d-4016-bae3-ec279144c19d
1 1
NA's
597

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.5.bi
1049950207 1049950214 NA's
1 1 597

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.5.ce
8 NA's
2 597

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.5.co
0.05 NA's
2 597

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.5.da
3 NA's
2 597

```

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.5.is
 no NA's
 2 597

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.5.mo
 1 NA's
 2 597

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.5.pl
 9 NA's
 2 597

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.5.pl
 1491 NA's
 2 597

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.5.pl
 e f NA's
 1 1 597

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.5.qu
 2 NA's
 2 597

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.5.so
 22 NA's
 2 597

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.5.vo
 40 NA's
 2 597

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.5.ye
 2011 NA's
 2 597

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.6.bo
 tcga-06-0210-10a-01d-2366-09 tcga-06-0211-10a-01d-2366-09
 1 1
 NA's
 597

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.6.bo
 316f3270-3f5f-4afe-863f-adae4e2a2ff0 7f87df9f-3bdb-4e1f-a03a-34950bea5486
 1 1
 NA's
 597

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.6.bi
 1076436983 1076437000 NA's
 1 1 597

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.6.ce
 9 NA's
 2 597

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.6.co
 0.05 NA's
 2 597

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.6.da
 29 NA's
 2 597

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.6.is
 no NA's
 2 597

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.6.mo
 8 NA's
 2 597

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.6.pl
 4 NA's
 2 597

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.6.pl
 2366 NA's
 2 597

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.6.pl
 a b NA's
 1 1 597

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.6.qu
 1.5 NA's
 2 597

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.6.so
 22 NA's
 2 597

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.6.vo
 30 NA's
 2 597

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.6.ye
 2012 NA's
 2 597

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.bcr_
 tcga-06-0210-10a-01d-0235-06 tcga-06-0211-10a-01d-0235-06
 1 1

```
tcga-19-0957-10b-01d-2319-08 tcga-19-1389-10d-01d-2319-08
      1
      NA's
      595
```

```
patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.bcr_
049b7f10-33b9-4669-b314-a4ea3905dd6b 2681881b-e46f-4b42-9ef7-c5765943c0ac
      1
      1
416dc626-fb75-43cc-91e1-226ac90f70ff 6fb55d66-7c23-4f4f-9937-b88bc9a36c61
      1
      1
      NA's
      595
```

```
patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.bios
1061615908 1061615918      NA's
      1      1      597
```

```
patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.cent
  6      8 NA's
  2      2 595
```

```
patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.conc
0.05 0.18 0.19 NA's
  2      1      1 595
```

```
patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.day_
13      29 NA's
  2      2 595
```

```
patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.is_d
no NA's
  4 595
```

```
patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.mont
  6      8 NA's
  2      2 595
```

```
patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.plat
  5      8 NA's
  2      2 595
```

```
patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.plat
235 2319 NA's
  2      2 595
```

```
patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.plat
c      d NA's
  2      2 595
```

```
patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.quan
  1 5.99 6.33 NA's
  2      1      1 595
```

```

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.source
22 NA's
4 595

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.volume
20 33.3 NA's
2 2 595

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.year
2007 2012 NA's
2 2 595

patient.samples.sample.4.portions.portion.analytes.analyte.amount:
0 5 12.7 41.7 NA's
1 1 1 1 595

patient.samples.sample.4.portions.portion.analytes.analyte.analyte_type:
dna NA's
4 595

patient.samples.sample.4.portions.portion.analytes.analyte.analyte_type_id:
d NA's
4 595

patient.samples.sample.4.portions.portion.analytes.analyte.bcr_analyte_barcode:
tcga-06-0210-10a-01d tcga-06-0211-10a-01d tcga-19-0957-10b-01d
1 1 1
tcga-19-1389-10d-01d NA's
1 595

patient.samples.sample.4.portions.portion.analytes.analyte.bcr_analyte_uuid:
06c14955-1a5d-4e15-bfbf-be1509ee7369 27e2bbf3-1aaa-4df6-b234-ecc4ba137509
1 1
88bdaf86-b464-4ff7-a549-8c90c9369c46 f37b3486-b71d-4a2f-9e53-96ecd11eff98
1 1
NA's
595

patient.samples.sample.4.portions.portion.analytes.analyte.bcr_biospecimen_canonical_portioning_study
NA's
1 598

patient.samples.sample.4.portions.portion.analytes.analyte.concentration:
0.13 0.15 0.18 0.19 NA's
1 1 1 1 595

patient.samples.sample.4.portions.portion.analytes.analyte.dna.normal_tumor_genes
yes NA's
4 595

patient.samples.sample.4.portions.portion.analytes.analyte.dna.pcr_amplification

```

no yes NA's
2 2 595

patient.samples.sample.4.portions.portion.analytes.analyte.gel_image_file:
https://sharedoc.nchri.org/tcga-bcr/default.aspx
4
NA's
595

patient.samples.sample.4.portions.portion.analytes.analyte.is_derived_from_ffpe:
no NA's
4 595

patient.samples.sample.4.portions.portion.analytes.analyte.protocols.protocol.ex
chemical lysis dna extraction pre-extracted dna received by tss
2 2
NA's
595

patient.samples.sample.4.portions.portion.analytes.analyte.spectrophotometer_met
picogreen uv spec NA's
2 2 595

patient.samples.sample.4.portions.portion.bcr_portion_barcode:
tcga-06-0210-10a-01 tcga-06-0211-10a-01 tcga-19-0957-10b-01 tcga-19-1389-10d-01
1 1 1 1
NA's
595

patient.samples.sample.4.portions.portion.bcr_portion_uuid:
16e648f6-3d2a-45b6-a90d-3457fb93ecb9 6832bba5-dede-42e0-a4af-76156ddab09e
1 1
alcfc043-d951-4e28-bffc-d9e6fed18dea d34197ab-8b0e-4c6d-a136-fd5bbf51241b
1 1
NA's
595

patient.samples.sample.4.portions.portion.day_of_creation:
14 29 NA's
2 2 595

patient.samples.sample.4.portions.portion.is_ffpe:
no NA's
4 595

patient.samples.sample.4.portions.portion.month_of_creation:
5 7 NA's
2 2 595

patient.samples.sample.4.portions.portion.portion_number:
1 NA's
4 595

patient.samples.sample.4.portions.portion.year_of_creation:
 2011 2012 NA's
 2 2 595

patient.samples.sample.4.sample_type:
 blood derived normal NA's
 4 595

patient.samples.sample.4.sample_type_id:
 10 NA's
 4 595

patient.samples.sample.4.vial_number:
 a b d NA's
 2 1 1 595

patient.samples.sample.days_to_collection:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 27.0 107.0 282.0 433.4 450.0 2271.0 582

patient.samples.sample.diagnostic_slides.ffpe_slide_uuid.9:
 8620b410-9d16-418e-88e1-b75c020da50a NA's
 1 598

patient.samples.sample.initial_weight:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 90.0 160.0 260.0 319.4 410.0 800.0 582

patient.samples.sample.intermediate_dimension:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 0.2000 0.6000 0.8000 0.7496 0.9000 2.0000 93

patient.samples.sample.is_ffpe:
 no NA's
 595 4

patient.samples.sample.longest_dimension:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 0.300 0.900 1.000 1.123 1.300 3.000 93

patient.samples.sample.oct_embedded:

```

false true NA's
      9   8  582

```

```

patient.samples.sample.portions.portion.2.analytes.analyte.2.a260_a280_ratio:
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.   NA's
 1.800  1.802  1.810  1.816  1.817  1.870   589

```

```

patient.samples.sample.portions.portion.2.analytes.analyte.2.aliquots.aliquot.2.
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.   NA's
 3.000  6.000  6.000  6.455  7.000 10.000   588

```

```

patient.samples.sample.portions.portion.2.analytes.analyte.2.aliquots.aliquot.2.
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.   NA's
 0.1500 0.1500  0.1600  0.2218  0.1800  0.5000   588

```

```

patient.samples.sample.portions.portion.2.analytes.analyte.2.aliquots.aliquot.2.
 12  28  29 NA's
  1   3   7  588

```

```

patient.samples.sample.portions.portion.2.analytes.analyte.2.aliquots.aliquot.2.
no NA's
 11  588

```

```

patient.samples.sample.portions.portion.2.analytes.analyte.2.aliquots.aliquot.2.
  5   6   8   9 NA's
  1   2   7   1  588

```

```

patient.samples.sample.portions.portion.2.analytes.analyte.2.aliquots.aliquot.2.
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.   NA's
 1.000  1.000  2.000  2.818  3.000  8.000   588

```

```

patient.samples.sample.portions.portion.2.analytes.analyte.2.aliquots.aliquot.2.
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.   NA's
 213.0  231.0  231.0  240.2  231.5  348.0   588

```

```

patient.samples.sample.portions.portion.2.analytes.analyte.2.aliquots.aliquot.2.
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.   NA's
 2.000  2.755  3.200  38.755  3.600 200.000   588

```

```

patient.samples.sample.portions.portion.2.analytes.analyte.2.aliquots.aliquot.2.
 22 NA's
 11  588

```

```

patient.samples.sample.portions.portion.2.analytes.analyte.2.aliquots.aliquot.2.
13.3 16.7  20  400 NA's
  2   1   6   2  588

```

patient.samples.sample.portions.portion.2.analytes.analyte.2.aliquots.aliquot.2.
 2007 2008 NA's
 10 1 588

patient.samples.sample.portions.portion.2.analytes.analyte.2.aliquots.aliquot.3.
 1 3 9 NA's
 3 6 2 588

patient.samples.sample.portions.portion.2.analytes.analyte.2.aliquots.aliquot.3.
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 0.1500 0.1500 0.1600 0.2218 0.1800 0.5000 588

patient.samples.sample.portions.portion.2.analytes.analyte.2.aliquots.aliquot.3.
 12 28 29 NA's
 1 3 7 588

patient.samples.sample.portions.portion.2.analytes.analyte.2.aliquots.aliquot.3.
 no NA's
 11 588

patient.samples.sample.portions.portion.2.analytes.analyte.2.aliquots.aliquot.3.
 5 6 8 9 NA's
 1 2 7 1 588

patient.samples.sample.portions.portion.2.analytes.analyte.2.aliquots.aliquot.3.
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 1.000 1.000 2.000 2.818 3.000 8.000 588

patient.samples.sample.portions.portion.2.analytes.analyte.2.aliquots.aliquot.3.
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 219.0 232.0 232.0 242.2 232.5 349.0 588

patient.samples.sample.portions.portion.2.analytes.analyte.2.aliquots.aliquot.3.
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 2.510 2.755 3.010 39.145 5.000 200.000 588

patient.samples.sample.portions.portion.2.analytes.analyte.2.aliquots.aliquot.3.
 22 NA's
 11 588

patient.samples.sample.portions.portion.2.analytes.analyte.2.aliquots.aliquot.3.
 16.7 27 33.3 400 NA's
 6 1 2 2 588

patient.samples.sample.portions.portion.2.analytes.analyte.2.aliquots.aliquot.3.
 2007 2008 NA's
 10 1 588

```

patient.samples.sample.portions.portion.2.analytes.analyte.2.aliquots.aliquot.4.
  1   2   8 NA's
  6   2   1 590

patient.samples.sample.portions.portion.2.analytes.analyte.2.aliquots.aliquot.4.
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.   NA's
0.1400 0.1500  0.1600  0.1978 0.1800  0.5000   590

patient.samples.sample.portions.portion.2.analytes.analyte.2.aliquots.aliquot.4.
  12  28  29 NA's
   1   2   6 590

patient.samples.sample.portions.portion.2.analytes.analyte.2.aliquots.aliquot.4.
no NA's
  9 590

patient.samples.sample.portions.portion.2.analytes.analyte.2.aliquots.aliquot.4.
  6   8   9 NA's
  2   6   1 590

patient.samples.sample.portions.portion.2.analytes.analyte.2.aliquots.aliquot.4.
  1   2   3   8 NA's
  3   2   3   1 590

patient.samples.sample.portions.portion.2.analytes.analyte.2.aliquots.aliquot.4.
 220 233 254 NA's
   2   6   1 590

patient.samples.sample.portions.portion.2.analytes.analyte.2.aliquots.aliquot.4.
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.   NA's
  2.80   5.00   5.33  26.53   5.99 200.00   590

patient.samples.sample.portions.portion.2.analytes.analyte.2.aliquots.aliquot.4.
 22 NA's
   9 590

patient.samples.sample.portions.portion.2.analytes.analyte.2.aliquots.aliquot.4.
 20 33.3 400 NA's
   2   6   1 590

patient.samples.sample.portions.portion.2.analytes.analyte.2.aliquots.aliquot.4.
2007 NA's
   9 590

patient.samples.sample.portions.portion.2.analytes.analyte.2.aliquots.aliquot.5.
tcga-06-0138-01a-02r-0676-04 tcga-06-0156-01a-02r-1849-01
                                1                                1
                                NA's
                                597

```

patient.samples.sample.portions.portion.2.analytes.analyte.2.aliquots.aliquot.5.
88958da0-8140-466c-8183-bf4995529b16 b72bfbb6-a5a9-47bb-900e-446f1db880ae
1 1
NA's
597

patient.samples.sample.portions.portion.2.analytes.analyte.2.aliquots.aliquot.5.
1053965784 NA's
1 598

patient.samples.sample.portions.portion.2.analytes.analyte.2.aliquots.aliquot.5.
1 4 NA's
1 1 597

patient.samples.sample.portions.portion.2.analytes.analyte.2.aliquots.aliquot.5.
0.15 NA's
2 597

patient.samples.sample.portions.portion.2.analytes.analyte.2.aliquots.aliquot.5.
27 28 NA's
1 1 597

patient.samples.sample.portions.portion.2.analytes.analyte.2.aliquots.aliquot.5.
no NA's
2 597

patient.samples.sample.portions.portion.2.analytes.analyte.2.aliquots.aliquot.5.
6 10 NA's
1 1 597

patient.samples.sample.portions.portion.2.analytes.analyte.2.aliquots.aliquot.5.
3 7 NA's
1 1 597

patient.samples.sample.portions.portion.2.analytes.analyte.2.aliquots.aliquot.5.
676 1849 NA's
1 1 597

patient.samples.sample.portions.portion.2.analytes.analyte.2.aliquots.aliquot.5.
b e NA's
1 1 597

patient.samples.sample.portions.portion.2.analytes.analyte.2.aliquots.aliquot.5.
0.6 5 NA's
1 1 597

patient.samples.sample.portions.portion.2.analytes.analyte.2.aliquots.aliquot.5.
22 NA's
2 597

patient.samples.sample.portions.portion.2.analytes.analyte.2.aliquots.aliquot.5.
4 33.3 NA's

```

1      1      597

patient.samples.sample.portions.portion.2.analytes.analyte.2.aliquots.aliquot.5.
2009 2011 NA's
1      1      597

patient.samples.sample.portions.portion.2.analytes.analyte.2.aliquots.aliquot.6.
tcga-06-0138-01a-02r-1849-01          NA's
1                                     598

patient.samples.sample.portions.portion.2.analytes.analyte.2.aliquots.aliquot.6.
6f2fedb4-66e2-48fd-8744-cbd30075bb03          NA's
1                                     598

patient.samples.sample.portions.portion.2.analytes.analyte.2.aliquots.aliquot.6.
1053965828          NA's
1          598

patient.samples.sample.portions.portion.2.analytes.analyte.2.aliquots.aliquot.6.
1 NA's
1  598

patient.samples.sample.portions.portion.2.analytes.analyte.2.aliquots.aliquot.6.
0.15 NA's
1  598

patient.samples.sample.portions.portion.2.analytes.analyte.2.aliquots.aliquot.6.
27 NA's
1  598

patient.samples.sample.portions.portion.2.analytes.analyte.2.aliquots.aliquot.6.
no NA's
1  598

patient.samples.sample.portions.portion.2.analytes.analyte.2.aliquots.aliquot.6.
6 NA's
1  598

patient.samples.sample.portions.portion.2.analytes.analyte.2.aliquots.aliquot.6.
2 NA's
1  598

patient.samples.sample.portions.portion.2.analytes.analyte.2.aliquots.aliquot.6.
1849 NA's
1  598

patient.samples.sample.portions.portion.2.analytes.analyte.2.aliquots.aliquot.6.
e NA's
1  598

patient.samples.sample.portions.portion.2.analytes.analyte.2.aliquots.aliquot.6.
5 NA's

```

```

1 598

patient.samples.sample.portions.portion.2.analytes.analyte.2.aliquots.aliquot.6.
22 NA's
1 598

patient.samples.sample.portions.portion.2.analytes.analyte.2.aliquots.aliquot.6.
33.3 NA's
1 598

patient.samples.sample.portions.portion.2.analytes.analyte.2.aliquots.aliquot.6.
2011 NA's
1 598

patient.samples.sample.portions.portion.2.analytes.analyte.2.aliquots.aliquot.ce
2 3 7 10 NA's
1 2 8 1 587

patient.samples.sample.portions.portion.2.analytes.analyte.2.aliquots.aliquot.co
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
0.0300 0.1500 0.1550 0.2058 0.1800 0.5000 587

patient.samples.sample.portions.portion.2.analytes.analyte.2.aliquots.aliquot.da
12 28 29 NA's
1 3 8 587

patient.samples.sample.portions.portion.2.analytes.analyte.2.aliquots.aliquot.is
no NA's
12 587

patient.samples.sample.portions.portion.2.analytes.analyte.2.aliquots.aliquot.mo
5 6 8 9 NA's
1 2 8 1 587

patient.samples.sample.portions.portion.2.analytes.analyte.2.aliquots.aliquot.pl
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
1.000 1.000 2.500 3.167 3.750 8.000 587

patient.samples.sample.portions.portion.2.analytes.analyte.2.aliquots.aliquot.pl
212 229 248 347 NA's
2 8 1 1 587

patient.samples.sample.portions.portion.2.analytes.analyte.2.aliquots.aliquot.qu
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
0.400 2.000 2.325 19.885 4.287 200.000 587

patient.samples.sample.portions.portion.2.analytes.analyte.2.aliquots.aliquot.so
22 NA's
12 587

```

patient.samples.sample.portions.portion.2.analytes.analyte.2.aliquots.aliquot.volumes
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 13.30 13.30 13.30 49.56 27.25 400.00 587

patient.samples.sample.portions.portion.2.analytes.analyte.2.aliquots.aliquot.years
 2007 2008 NA's
 11 1 587

patient.samples.sample.portions.portion.2.analytes.analyte.2.amount:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 0.00 3.75 15.00 30.93 34.60 150.00 587

patient.samples.sample.portions.portion.2.analytes.analyte.2.analyte_type:
 repli-g (qiagen) dna rna NA's
 2 10 587

patient.samples.sample.portions.portion.2.analytes.analyte.2.analyte_type_id:
 r w NA's
 10 2 587

patient.samples.sample.portions.portion.2.analytes.analyte.2.bcr_biospecimen_cancer_portioning_study
 NA's
 8 591

patient.samples.sample.portions.portion.2.analytes.analyte.2.concentration:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 0.030 0.150 0.155 0.205 0.180 0.500 587

patient.samples.sample.portions.portion.2.analytes.analyte.2.dna.normal_tumor_genes
 yes NA's
 2 597

patient.samples.sample.portions.portion.2.analytes.analyte.2.dna.pcr_amplification
 no NA's
 2 597

patient.samples.sample.portions.portion.2.analytes.analyte.2.gel_image_file:
<https://sharedoc.nchri.org/tcga-bcr/default.aspx>
 12
 NA's
 587

patient.samples.sample.portions.portion.2.analytes.analyte.2.is_derived_from_ffp
 no NA's
 12 587

patient.samples.sample.portions.portion.2.analytes.analyte.2.protocols.protocol.
 allprep rna extraction repli-g NA's
 10 2 587


```

patient.samples.sample.portions.portion.2.analytes.analyte.2.rna.ratio_28s_18s:
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.   NA's
  0.80   1.00   1.15   1.26   1.55   1.80   589

patient.samples.sample.portions.portion.2.analytes.analyte.2.rna.rinvalue:
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.   NA's
  7.800  8.050   8.250   8.338   8.525   9.300   591

patient.samples.sample.portions.portion.2.analytes.analyte.2.spectrophotometer_m
uv spec    NA's
   12     587

patient.samples.sample.portions.portion.2.analytes.analyte.3.aliquots.aliquot.2.
tcga-06-0147-01a-02w-0250-10 tcga-06-0148-01a-03w-0250-10
                                1                                1
tcga-06-0171-01a-02w-0250-10                                NA's
                                1                                596

patient.samples.sample.portions.portion.2.analytes.analyte.3.aliquots.aliquot.2.
3aac16fe-74c3-4944-8f5d-819f523c21db 5745dc85-3499-4ac1-8738-0a080b34e7d0
                                1                                1
df68f744-2bff-47a4-9335-b67230e088ed                                NA's
                                1                                596

patient.samples.sample.portions.portion.2.analytes.analyte.3.aliquots.aliquot.2.
  10 NA's
   3 596

patient.samples.sample.portions.portion.2.analytes.analyte.3.aliquots.aliquot.2.
  0.5 NA's
   3 596

patient.samples.sample.portions.portion.2.analytes.analyte.3.aliquots.aliquot.2.
  12 NA's
   3 596

patient.samples.sample.portions.portion.2.analytes.analyte.3.aliquots.aliquot.2.
  no NA's
   3 596

patient.samples.sample.portions.portion.2.analytes.analyte.3.aliquots.aliquot.2.
   9 NA's
   3 596

patient.samples.sample.portions.portion.2.analytes.analyte.3.aliquots.aliquot.2.
   1   4 NA's
   2   1 596

patient.samples.sample.portions.portion.2.analytes.analyte.3.aliquots.aliquot.2.
  250 NA's
   3 596

```

```

patient.samples.sample.portions.portion.2.analytes.analyte.3.aliquots.aliquot.2.
  c   d   e NA's
  1   1   1 596

patient.samples.sample.portions.portion.2.analytes.analyte.3.aliquots.aliquot.2.
200 NA's
  3 596

patient.samples.sample.portions.portion.2.analytes.analyte.3.aliquots.aliquot.2.
22 NA's
  3 596

patient.samples.sample.portions.portion.2.analytes.analyte.3.aliquots.aliquot.2.
400 NA's
  3 596

patient.samples.sample.portions.portion.2.analytes.analyte.3.aliquots.aliquot.2.
2007 NA's
  3 596

patient.samples.sample.portions.portion.2.analytes.analyte.3.aliquots.aliquot.3.
tcga-06-0147-01a-02w-0252-09 tcga-06-0148-01a-03w-0252-09
                                1                                1
tcga-06-0171-01a-02w-0252-09                                NA's
                                1                                596

patient.samples.sample.portions.portion.2.analytes.analyte.3.aliquots.aliquot.3.
0fb0697b-abe5-4358-a9d9-3952bcd59cf2 1f904917-e3be-4e0c-8552-ae996e4e327a
                                1                                1
66ba76bb-e38c-43d4-b8e2-4ed7e0a48509                                NA's
                                1                                596

patient.samples.sample.portions.portion.2.analytes.analyte.3.aliquots.aliquot.3.
  9 NA's
  3 596

patient.samples.sample.portions.portion.2.analytes.analyte.3.aliquots.aliquot.3.
0.5 NA's
  3 596

patient.samples.sample.portions.portion.2.analytes.analyte.3.aliquots.aliquot.3.
12 NA's
  3 596

patient.samples.sample.portions.portion.2.analytes.analyte.3.aliquots.aliquot.3.
no NA's
  3 596

patient.samples.sample.portions.portion.2.analytes.analyte.3.aliquots.aliquot.3.
  9 NA's
  3 596

```

```

patient.samples.sample.portions.portion.2.analytes.analyte.3.aliquots.aliquot.3.
  1   4 NA's
  2   1 596

patient.samples.sample.portions.portion.2.analytes.analyte.3.aliquots.aliquot.3.
252 NA's
  3 596

patient.samples.sample.portions.portion.2.analytes.analyte.3.aliquots.aliquot.3.
  c   d   e NA's
  1   1   1 596

patient.samples.sample.portions.portion.2.analytes.analyte.3.aliquots.aliquot.3.
200 NA's
  3 596

patient.samples.sample.portions.portion.2.analytes.analyte.3.aliquots.aliquot.3.
  22 NA's
  3 596

patient.samples.sample.portions.portion.2.analytes.analyte.3.aliquots.aliquot.3.
400 NA's
  3 596

patient.samples.sample.portions.portion.2.analytes.analyte.3.aliquots.aliquot.3.
2007 NA's
  3 596

patient.samples.sample.portions.portion.2.analytes.analyte.3.aliquots.aliquot.4.
tcga-06-0147-01a-02w-0254-08 tcga-06-0148-01a-03w-0254-08
                                1                                1
tcga-06-0171-01a-02w-0254-08                                NA's
                                1                                596

patient.samples.sample.portions.portion.2.analytes.analyte.3.aliquots.aliquot.4.
71a8b744-72f8-40a3-a8c1-15259c19ee30 7a26926d-382a-4c65-96be-b46917f81a14
                                1                                1
7a5b216f-6e83-4647-b145-e05daa99e395                                NA's
                                1                                596

patient.samples.sample.portions.portion.2.analytes.analyte.3.aliquots.aliquot.4.
  8 NA's
  3 596

patient.samples.sample.portions.portion.2.analytes.analyte.3.aliquots.aliquot.4.
  0.5 NA's
  3 596

patient.samples.sample.portions.portion.2.analytes.analyte.3.aliquots.aliquot.4.
  12 NA's
  3 596

```

```

patient.samples.sample.portions.portion.2.analytes.analyte.3.aliquots.aliquot.4.
no NA's
3 596

patient.samples.sample.portions.portion.2.analytes.analyte.3.aliquots.aliquot.4.
9 NA's
3 596

patient.samples.sample.portions.portion.2.analytes.analyte.3.aliquots.aliquot.4.
1 4 NA's
2 1 596

patient.samples.sample.portions.portion.2.analytes.analyte.3.aliquots.aliquot.4.
254 NA's
3 596

patient.samples.sample.portions.portion.2.analytes.analyte.3.aliquots.aliquot.4.
c d e NA's
1 1 1 596

patient.samples.sample.portions.portion.2.analytes.analyte.3.aliquots.aliquot.4.
200 NA's
3 596

patient.samples.sample.portions.portion.2.analytes.analyte.3.aliquots.aliquot.4.
22 NA's
3 596

patient.samples.sample.portions.portion.2.analytes.analyte.3.aliquots.aliquot.4.
400 NA's
3 596

patient.samples.sample.portions.portion.2.analytes.analyte.3.aliquots.aliquot.4.
2007 NA's
3 596

patient.samples.sample.portions.portion.2.analytes.analyte.3.aliquots.aliquot.ce
2 7 NA's
3 7 589

patient.samples.sample.portions.portion.2.analytes.analyte.3.aliquots.aliquot.co
0.1 0.5 NA's
7 3 589

patient.samples.sample.portions.portion.2.analytes.analyte.3.aliquots.aliquot.da
12 28 29 NA's
3 2 5 589

patient.samples.sample.portions.portion.2.analytes.analyte.3.aliquots.aliquot.is

```

```

no NA's
10 589

patient.samples.sample.portions.portion.2.analytes.analyte.3.aliquots.aliquot.mo
  6   8   9 NA's
  2   5   3 589

patient.samples.sample.portions.portion.2.analytes.analyte.3.aliquots.aliquot.pl
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.   NA's
  1.00   1.00   2.50   3.10   3.75   8.00   589

patient.samples.sample.portions.portion.2.analytes.analyte.3.aliquots.aliquot.pl
  213 230 248 NA's
   2   5   3 589

patient.samples.sample.portions.portion.2.analytes.analyte.3.aliquots.aliquot.qu
  0.8   1   2  14 NA's
   1   5   1   3 589

patient.samples.sample.portions.portion.2.analytes.analyte.3.aliquots.aliquot.sc
  22 NA's
  10 589

patient.samples.sample.portions.portion.2.analytes.analyte.3.aliquots.aliquot.vo
   8  10  20  28 NA's
   1   5   1   3 589

patient.samples.sample.portions.portion.2.analytes.analyte.3.aliquots.aliquot.ye
  2007 NA's
   10 589

patient.samples.sample.portions.portion.2.analytes.analyte.3.amount:
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.   NA's
  0.00   0.00   2.00  17.78  10.00  100.00   590

patient.samples.sample.portions.portion.2.analytes.analyte.3.analyte_type:
repli-g (qiagen) dna                total rna                NA's
                   3                   7                   589

patient.samples.sample.portions.portion.2.analytes.analyte.3.analyte_type_id:
  t   w NA's
  7   3 589

patient.samples.sample.portions.portion.2.analytes.analyte.3.bcr_biospecimen_can
portioning study                NA's
                   7                   592

patient.samples.sample.portions.portion.2.analytes.analyte.3.concentration:
  0.04 0.1 0.14 0.5 NA's

```

1 5 1 3 589

patient.samples.sample.portions.portion.2.analytes.analyte.3.dna.normal_tumor_ge
yes NA's
3 596

patient.samples.sample.portions.portion.2.analytes.analyte.3.dna.pcr_amplificati
no NA's
3 596

patient.samples.sample.portions.portion.2.analytes.analyte.3.gel_image_file:
<https://sharedoc.nchri.org/tcga-bcr/default.aspx>
10
NA's
589

patient.samples.sample.portions.portion.2.analytes.analyte.3.is_derived_from_ffp
no NA's
10 589

patient.samples.sample.portions.portion.2.analytes.analyte.3.protocols.protocol.
repli-g total rna NA's
3 7 589

patient.samples.sample.portions.portion.2.analytes.analyte.3.spectrophotometer_m
uv spec NA's
10 589

patient.samples.sample.portions.portion.2.analytes.analyte.4.aliquots.aliquot.2.
8 10 NA's
2 5 592

patient.samples.sample.portions.portion.2.analytes.analyte.4.aliquots.aliquot.2.
0.5 NA's
7 592

patient.samples.sample.portions.portion.2.analytes.analyte.4.aliquots.aliquot.2.
12 18 NA's
5 2 592

patient.samples.sample.portions.portion.2.analytes.analyte.4.aliquots.aliquot.2.
no NA's
7 592

patient.samples.sample.portions.portion.2.analytes.analyte.4.aliquots.aliquot.2.
7 9 NA's
2 5 592

patient.samples.sample.portions.portion.2.analytes.analyte.4.aliquots.aliquot.2.
1 2 4 NA's

```
1 3 3 592

patient.samples.sample.portions.portion.2.analytes.analyte.4.aliquots.aliquot.2.
224 250 NA's
2 5 592

patient.samples.sample.portions.portion.2.analytes.analyte.4.aliquots.aliquot.2.
200 NA's
7 592

patient.samples.sample.portions.portion.2.analytes.analyte.4.aliquots.aliquot.2.
22 NA's
7 592

patient.samples.sample.portions.portion.2.analytes.analyte.4.aliquots.aliquot.2.
400 NA's
7 592

patient.samples.sample.portions.portion.2.analytes.analyte.4.aliquots.aliquot.2.
2007 NA's
7 592

patient.samples.sample.portions.portion.2.analytes.analyte.4.aliquots.aliquot.3.
9 NA's
7 592

patient.samples.sample.portions.portion.2.analytes.analyte.4.aliquots.aliquot.3.
0.5 NA's
7 592

patient.samples.sample.portions.portion.2.analytes.analyte.4.aliquots.aliquot.3.
12 18 NA's
5 2 592

patient.samples.sample.portions.portion.2.analytes.analyte.4.aliquots.aliquot.3.
no NA's
7 592

patient.samples.sample.portions.portion.2.analytes.analyte.4.aliquots.aliquot.3.
7 9 NA's
2 5 592

patient.samples.sample.portions.portion.2.analytes.analyte.4.aliquots.aliquot.3.
1 2 4 NA's
1 3 3 592

patient.samples.sample.portions.portion.2.analytes.analyte.4.aliquots.aliquot.3.
225 252 NA's
2 5 592
```

patient.samples.sample.portions.portion.2.analytes.analyte.4.aliquots.aliquot.3.
200 NA's
7 592

patient.samples.sample.portions.portion.2.analytes.analyte.4.aliquots.aliquot.3.
22 NA's
7 592

patient.samples.sample.portions.portion.2.analytes.analyte.4.aliquots.aliquot.3.
400 NA's
7 592

patient.samples.sample.portions.portion.2.analytes.analyte.4.aliquots.aliquot.3.
2007 NA's
7 592

patient.samples.sample.portions.portion.2.analytes.analyte.4.aliquots.aliquot.4.
2 8 NA's
2 5 592

patient.samples.sample.portions.portion.2.analytes.analyte.4.aliquots.aliquot.4.
0.5 NA's
7 592

patient.samples.sample.portions.portion.2.analytes.analyte.4.aliquots.aliquot.4.
12 18 NA's
5 2 592

patient.samples.sample.portions.portion.2.analytes.analyte.4.aliquots.aliquot.4.
no NA's
7 592

patient.samples.sample.portions.portion.2.analytes.analyte.4.aliquots.aliquot.4.
7 9 NA's
2 5 592

patient.samples.sample.portions.portion.2.analytes.analyte.4.aliquots.aliquot.4.
1 2 4 NA's
1 3 3 592

patient.samples.sample.portions.portion.2.analytes.analyte.4.aliquots.aliquot.4.
226 254 NA's
2 5 592

patient.samples.sample.portions.portion.2.analytes.analyte.4.aliquots.aliquot.4.
14 200 NA's
2 5 592

patient.samples.sample.portions.portion.2.analytes.analyte.4.aliquots.aliquot.4.
22 NA's
7 592

patient.samples.sample.portions.portion.2.analytes.analyte.4.aliquots.aliquot.4.
28 400 NA's
2 5 592

patient.samples.sample.portions.portion.2.analytes.analyte.4.aliquots.aliquot.4.
2007 NA's
7 592

patient.samples.sample.portions.portion.2.analytes.analyte.4.aliquots.aliquot.ce
2 10 NA's
5 2 592

patient.samples.sample.portions.portion.2.analytes.analyte.4.aliquots.aliquot.co
0.5 NA's
7 592

patient.samples.sample.portions.portion.2.analytes.analyte.4.aliquots.aliquot.da
12 18 NA's
5 2 592

patient.samples.sample.portions.portion.2.analytes.analyte.4.aliquots.aliquot.is
no NA's
7 592

patient.samples.sample.portions.portion.2.analytes.analyte.4.aliquots.aliquot.mo
7 9 NA's
2 5 592

patient.samples.sample.portions.portion.2.analytes.analyte.4.aliquots.aliquot.pl
1 2 4 NA's
1 3 3 592

patient.samples.sample.portions.portion.2.analytes.analyte.4.aliquots.aliquot.pl
223 248 NA's
2 5 592

patient.samples.sample.portions.portion.2.analytes.analyte.4.aliquots.aliquot.qu
14 200 NA's
5 2 592

patient.samples.sample.portions.portion.2.analytes.analyte.4.aliquots.aliquot.so
22 NA's
7 592

```

patient.samples.sample.portions.portion.2.analytes.analyte.4.aliquots.aliquot.vol
28 400 NA's
5 2 592

patient.samples.sample.portions.portion.2.analytes.analyte.4.aliquots.aliquot.ye
2007 NA's
7 592

patient.samples.sample.portions.portion.2.analytes.analyte.4.amount:
0 NA's
7 592

patient.samples.sample.portions.portion.2.analytes.analyte.4.analyte_type:
repli-g (qiagen) dna NA's
7 592

patient.samples.sample.portions.portion.2.analytes.analyte.4.analyte_type_id:
w NA's
7 592

patient.samples.sample.portions.portion.2.analytes.analyte.4.concentration:
0.5 NA's
7 592

patient.samples.sample.portions.portion.2.analytes.analyte.4.dna.normal_tumor_ge
yes NA's
7 592

patient.samples.sample.portions.portion.2.analytes.analyte.4.dna.pcr_amplificati
no NA's
7 592

patient.samples.sample.portions.portion.2.analytes.analyte.4.gel_image_file:
https://sharedoc.nchri.org/tcga-bcr/default.aspx
7
NA's
592

patient.samples.sample.portions.portion.2.analytes.analyte.4.is_derived_from_ffp
no NA's
7 592

patient.samples.sample.portions.portion.2.analytes.analyte.4.protocols.protocol.
repli-g NA's
7 592

patient.samples.sample.portions.portion.2.analytes.analyte.4.spectrophotometer_m
uv spec NA's
7 592

```

```

patient.samples.sample.portions.portion.2.analytes.analyte.a260_a280_ratio:
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.   NA's
  1.700  1.800  1.890  1.842  1.900  1.920   580

```

```

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.10.b
tcga-06-0171-01a-02d-a45w-05                                     NA's
                                1                                598

```

```

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.10.b
136d09ca-cef1-48a1-a67a-fc833c565947                             NA's
                                1                                598

```

```

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.10.b
167788594                 NA's
    1                 598

```

```

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.10.c
  5 NA's
  1  598

```

```

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.10.c
0.15 NA's
  1  598

```

```

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.10.d
 24 NA's
  1  598

```

```

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.10.i
no NA's
  1  598

```

```

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.10.m
  9 NA's
  1  598

```

```

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.10.p
  1 NA's
  1  598

```

```

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.10.p
a45w NA's
  1  598

```

```

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.10.p
  c NA's
  1  598

```

```

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.10.q
1.95 NA's
  1  598

```

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.10.s
 23 NA's
 1 598

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.10.v
 13 NA's
 1 598

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.10.y
 2014 NA's
 1 598

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.2.bi
 108691281 108692110 108692113 108692155 NA's
 1 1 1 1 595

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.2.ce
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 1.000 1.000 3.000 3.211 5.000 7.000 580

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.2.co
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 0.1300 0.1400 0.1500 0.1521 0.1650 0.2000 580

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.2.da
 6 25 28 29 NA's
 3 4 2 10 580

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.2.is
 no NA's
 19 580

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.2.mo
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 2.000 4.000 8.000 6.158 8.000 8.000 580

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.2.pl
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 1.000 1.000 2.000 2.526 3.500 7.000 580

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.2.pl
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 215.0 236.0 236.0 554.4 320.5 1700.0 580

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.2.qu
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 1.300 1.500 1.700 2.284 2.340 5.000 580

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.2.so

22 NA's
19 580

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.2.vo
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
10.00 10.00 10.10 14.85 16.70 33.30 580

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.2.ye
2007 2008 2011 NA's
12 3 4 580

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.3.ce
3 4 6 7 NA's
1 9 3 2 584

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.3.co
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
0.1300 0.1400 0.1500 0.1567 0.1700 0.2000 584

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.3.da
6 28 29 NA's
3 2 10 584

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.3.is
no NA's
15 584

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.3.mo
2 5 6 8 NA's
2 1 2 10 584

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.3.pl
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
1.000 1.000 2.000 2.467 3.500 7.000 584

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.3.pl
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
216.0 238.0 238.0 250.5 238.0 335.0 584

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.3.qu
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
1.860 3.000 5.600 4.719 6.200 7.200 584

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.3.so
22 NA's
15 584

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.3.vo
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's

11.80 18.35 40.00 30.34 40.00 40.00 584

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.3.ye
2007 2008 NA's
12 3 584

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.4.ce
1 2 6 NA's
1 3 9 586

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.4.co
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
0.1300 0.1500 0.1600 0.1608 0.1700 0.2000 586

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.4.da
6 28 29 NA's
1 2 10 586

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.4.is
no NA's
13 586

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.4.mo
5 6 8 NA's
1 2 10 586

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.4.pl
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
1.000 1.000 3.000 2.923 4.000 7.000 586

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.4.pl
217 233 240 336 NA's
2 1 9 1 586

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.4.qu
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
0.940 2.800 3.200 3.543 3.600 6.660 586

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.4.so
22 NA's
13 586

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.4.vo
5.2 20 33.3 NA's
1 9 3 586

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.4.ye
2007 2008 NA's
12 1 586

```

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.5.ce
  5 NA's
 12 587

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.5.co
  Min. 1st Qu.  Median      Mean 3rd Qu.    Max.    NA's
 0.1300 0.1475  0.1600  0.1575  0.1700  0.1800    587

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.5.da
  6  28  29 NA's
  1   2   9 587

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.5.is
  no NA's
 12 587

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.5.mo
  5   6   8 NA's
  1   2   9 587

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.5.pl
  Min. 1st Qu.  Median      Mean 3rd Qu.    Max.    NA's
 1.000  1.000  2.000  2.583  3.250  7.000    587

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.5.pl
 218 242 337 NA's
   2  9  1 587

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.5.qu
  Min. 1st Qu.  Median      Mean 3rd Qu.    Max.    NA's
 2.120  2.340  2.590  3.001  2.882  5.330    587

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.5.so
 22 NA's
 12 587

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.5.vo
 11.8 16.7 33.3 NA's
   1   9   2 587

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.5.ye
2007 2008 NA's
  11   1 587

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.6.bi
  Min.  1st Qu.    Median      Mean  3rd Qu.    Max.    NA's

```

9.649e+07 8.118e+08 1.050e+09 8.117e+08 1.050e+09 1.050e+09 591

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.6.ce

1 8 NA's
2 6 591

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.6.co

0.05 0.15 0.16 NA's
6 1 1 591

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.6.da

3 7 19 NA's
6 1 1 591

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.6.is

no NA's
8 591

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.6.mo

1 4 5 NA's
6 1 1 591

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.6.pl

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1.000	1.000	2.500	3.375	4.500	9.000	591

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.6.pl

888 1003 1490 1491 NA's
1 1 1 5 591

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.6.qu

0.3 0.53 2 NA's
1 1 6 591

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.6.sc

22 NA's
8 591

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.6.vo

2 3.33 40 NA's
1 1 6 591

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.6.ye

2010 2011 NA's
2 6 591

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.7.bo

tcga-06-0145-01a-02d-1490-08 tcga-06-0171-01a-02d-1491-08

1 1
NA's
597

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.7.bo
alfcbf3f-00e9-41d2-8f75-82452564c3db cec8cd80-c5e9-4005-9be9-8e2a46d8530b
1 1
NA's
597

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.7.bi
1049950172 1049950491 NA's
1 1 597

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.7.ce
8 NA's
2 597

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.7.co
0.05 NA's
2 597

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.7.da
3 NA's
2 597

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.7.is
no NA's
2 597

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.7.mo
1 NA's
2 597

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.7.pl
3 5 NA's
1 1 597

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.7.pl
1490 1491 NA's
1 1 597

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.7.pl
b e NA's
1 1 597

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.7.qu
2 NA's
2 597

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.7.so
22 NA's
2 597

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.7.vo

40 NA's
2 597

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.7.ye
2011 NA's
2 597

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.8.bo
tcga-06-0171-01a-02d-2366-09 NA's
1 598

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.8.bo
b023de78-d4ca-4660-b566-f9e24a4e9853 NA's
1 598

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.8.bi
1076437004 NA's
1 598

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.8.ce
9 NA's
1 598

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.8.co
0.05 NA's
1 598

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.8.da
29 NA's
1 598

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.8.is
no NA's
1 598

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.8.mo
8 NA's
1 598

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.8.pl
1 NA's
1 598

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.8.pl
2366 NA's
1 598

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.8.pl
c NA's
1 598

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.8.qu

1.5 NA's
1 598

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.8.so
22 NA's
1 598

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.8.vo
30 NA's
1 598

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.8.ye
2012 NA's
1 598

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.9.bo
tcga-06-0171-01a-02d-a33c-08 NA's
1 598

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.9.bo
18901f76-660b-4cc6-af1b-1b6f5d62204d NA's
1 598

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.9.bi
153889063 NA's
1 598

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.9.ce
8 NA's
1 598

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.9.co
0.07 NA's
1 598

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.9.da
21 NA's
1 598

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.9.is
no NA's
1 598

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.9.mo
10 NA's
1 598

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.9.pl
1 NA's
1 598

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.9.pl

a33c NA's
1 598

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.9.pl
g NA's
1 598

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.9.qu
0.94 NA's
1 598

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.9.so
23 NA's
1 598

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.9.vo
13.4 NA's
1 598

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.9.ye
2013 NA's
1 598

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.bios
108685294 108685297 108685318 108685339 NA's
1 1 1 1 595

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.cent
1 6 7 NA's
9 9 2 579

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.conc
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
0.1000 0.1400 0.1450 0.1495 0.1625 0.2000 579

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.day_
6 25 28 29 NA's
3 4 3 10 579

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.is_d
no NA's
20 579

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.mont
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
2.0 4.0 8.0 6.4 8.0 11.0 579

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.plat
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
1.0 1.0 2.0 2.7 4.0 7.0 579

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.plat
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 214.0 234.0 234.0 539.1 312.8 1698.0 579

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.quant
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 1.000 2.600 2.800 3.571 5.000 5.990 579

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.sour
 22 NA's
 20 579

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.vol
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 5.90 18.32 20.00 23.77 33.30 33.30 579

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.year
 2007 2008 2011 NA's
 13 3 4 579

patient.samples.sample.portions.portion.2.analytes.analyte.amount:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 0.000 9.625 53.750 153.363 225.000 600.000 579

patient.samples.sample.portions.portion.2.analytes.analyte.analyte_type:
 dna rna total rna NA's
 12 7 1 579

patient.samples.sample.portions.portion.2.analytes.analyte.analyte_type_id:
 d r t NA's
 12 7 1 579

patient.samples.sample.portions.portion.2.analytes.analyte.bcr_biospecimen_canon
 portioning study NA's
 8 591

patient.samples.sample.portions.portion.2.analytes.analyte.concentration:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 0.1000 0.1400 0.1450 0.1505 0.1625 0.2000 579

patient.samples.sample.portions.portion.2.analytes.analyte.dna.normal_tumor_gen
 yes NA's
 12 587

patient.samples.sample.portions.portion.2.analytes.analyte.dna.pcr_amplification
 yes NA's
 12 587

```

patient.samples.sample.portions.portion.2.analytes.analyte.gel_image_file:
https://sharedoc.nchri.org/tcga-bcr/default.aspx
20
NA's
579

```

```

patient.samples.sample.portions.portion.2.analytes.analyte.is_derived_from_ffpe:
no NA's
20 579

```

```

patient.samples.sample.portions.portion.2.analytes.analyte.protocols.protocol.ex
adna preparation type allprep rna extraction total rna
12 7 1
NA's
579

```

```

patient.samples.sample.portions.portion.2.analytes.analyte.rna.ratio_28s_18s:
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
1.250 1.492 1.565 1.708 1.667 2.700 593

```

```

patient.samples.sample.portions.portion.2.analytes.analyte.rna.rinvalue:
8 8.1 8.4 8.8 NA's
1 1 1 1 595

```

```

patient.samples.sample.portions.portion.2.analytes.analyte.spectrophotometer_met
uv spec NA's
20 579

```

```

patient.samples.sample.portions.portion.2.analytes.analyte.subportion_sequence:
3 NA's
1 598

```

```

patient.samples.sample.portions.portion.2.day_of_creation:
4 11 NA's
17 3 579

```

```

patient.samples.sample.portions.portion.2.is_ffpe:
no NA's
20 579

```

```

patient.samples.sample.portions.portion.2.month_of_creation:
2 3 4 NA's
16 1 3 579

```

```

patient.samples.sample.portions.portion.2.portion_number:
2 3 5 13 NA's
7 8 1 4 579

```

```

patient.samples.sample.portions.portion.2.slides.slide.2.is_derived_from_ffpe:
  no NA's
  15 584

patient.samples.sample.portions.portion.2.slides.slide.2.percent_lymphocyte_infi
  0 NA's
  6 593

patient.samples.sample.portions.portion.2.slides.slide.2.percent_monocyte_infilt
  0 NA's
  5 594

patient.samples.sample.portions.portion.2.slides.slide.2.percent_necrosis:
  Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
  0.00 5.00 10.00 17.50 31.25 50.00 585

patient.samples.sample.portions.portion.2.slides.slide.2.percent_neutrophil_infi
  0 NA's
  5 594

patient.samples.sample.portions.portion.2.slides.slide.2.percent_normal_cells:
  0 25 NA's
  13 1 585

patient.samples.sample.portions.portion.2.slides.slide.2.percent_stromal_cells:
  0 10 15 21 NA's
  9 1 3 1 585

patient.samples.sample.portions.portion.2.slides.slide.2.percent_tumor_cells:
  Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
  50.00 61.25 79.50 75.29 87.50 100.00 585

patient.samples.sample.portions.portion.2.slides.slide.2.percent_tumor_nuclei:
  80 85 95 100 NA's
  1 1 5 7 585

patient.samples.sample.portions.portion.2.slides.slide.2.section_location:
  bottom top NA's
  13 2 584

patient.samples.sample.portions.portion.2.slides.slide.is_derived_from_ffpe:
  no NA's
  20 579

patient.samples.sample.portions.portion.2.slides.slide.percent_lymphocyte_infilt
  0 NA's
  5 594

```

patient.samples.sample.portions.portion.2.slides.slide.percent_monocyte_infiltration:
 0 NA's
 5 594

patient.samples.sample.portions.portion.2.slides.slide.percent_necrosis:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 0.00 0.00 10.00 12.65 25.00 50.00 579

patient.samples.sample.portions.portion.2.slides.slide.percent_neutrophil_infiltration:
 0 NA's
 5 594

patient.samples.sample.portions.portion.2.slides.slide.percent_normal_cells:
 0 25 NA's
 18 1 580

patient.samples.sample.portions.portion.2.slides.slide.percent_stromal_cells:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 0.0 0.0 0.0 4.0 2.5 30.0 580

patient.samples.sample.portions.portion.2.slides.slide.percent_tumor_cells:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 40.00 75.00 85.00 81.63 98.50 100.00 580

patient.samples.sample.portions.portion.2.slides.slide.percent_tumor_nuclei:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 0.0 85.0 97.5 89.0 100.0 100.0 579

patient.samples.sample.portions.portion.2.slides.slide.section_location:
 bottom top NA's
 2 18 579

patient.samples.sample.portions.portion.2.weight:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 45.50 46.25 89.50 109.44 150.75 216.00 591

patient.samples.sample.portions.portion.2.year_of_creation:
 2009 2011 NA's
 16 4 579

patient.samples.sample.portions.portion.3.analytes.analyte.2.a260_a280_ratio:
 1.79 1.81 1.83 NA's
 1 1 2 595

patient.samples.sample.portions.portion.3.analytes.analyte.2.aliquots.aliquot.2.
 tcga-06-0137-01a-03r-0213-07 tcga-06-0145-01a-03r-0213-07
 1 1
 tcga-06-0148-01a-04r-0231-06 tcga-06-0156-01a-03r-0231-06
 1 1
 NA's
 595


```

patient.samples.sample.portions.portion.3.analytes.analyte.2.aliquots.aliquot.2.
03c04fe4-1b36-479b-a7f1-e17ea7c17889 33016e10-1d75-4378-befe-c40830bb8613
      1                               1
5056c36e-c761-4cff-846a-e8cdcfc5e00e 9503f28f-ac40-4a32-a151-fc5b5dc42dc1
      1                               1
      NA's
      595

patient.samples.sample.portions.portion.3.analytes.analyte.2.aliquots.aliquot.2.
  6   7 NA's
  2   2 595

patient.samples.sample.portions.portion.3.analytes.analyte.2.aliquots.aliquot.2.
0.15 0.16 0.17 NA's
  2   1   1 595

patient.samples.sample.portions.portion.3.analytes.analyte.2.aliquots.aliquot.2.
 28  29 NA's
  2   2 595

patient.samples.sample.portions.portion.3.analytes.analyte.2.aliquots.aliquot.2.
no NA's
  4 595

patient.samples.sample.portions.portion.3.analytes.analyte.2.aliquots.aliquot.2.
  6   8 NA's
  2   2 595

patient.samples.sample.portions.portion.3.analytes.analyte.2.aliquots.aliquot.2.
  1   2   4 NA's
  1   2   1 595

patient.samples.sample.portions.portion.3.analytes.analyte.2.aliquots.aliquot.2.
213 231 NA's
  2   2 595

patient.samples.sample.portions.portion.3.analytes.analyte.2.aliquots.aliquot.2.
  a   b   d   g NA's
  1   1   1   1 595

patient.samples.sample.portions.portion.3.analytes.analyte.2.aliquots.aliquot.2.
  2  3.2  3.4 NA's
  2   1   1 595

patient.samples.sample.portions.portion.3.analytes.analyte.2.aliquots.aliquot.2.
22 NA's
  4 595

patient.samples.sample.portions.portion.3.analytes.analyte.2.aliquots.aliquot.2.
13.3  20 NA's
  2   2 595

```

patient.samples.sample.portions.portion.3.analytes.analyte.2.aliquots.aliquot.2.
 2007 NA's
 4 595

patient.samples.sample.portions.portion.3.analytes.analyte.2.aliquots.aliquot.3.
 tcga-06-0137-01a-03r-0219-01 tcga-06-0145-01a-03r-0219-01
 1 1
 tcga-06-0148-01a-04r-0232-03 tcga-06-0156-01a-03r-0232-03
 1 1
 NA's
 595

patient.samples.sample.portions.portion.3.analytes.analyte.2.aliquots.aliquot.3.
 0b70c674-6976-4dbe-a36f-b36d7f08fdaf 3ea32cc2-2441-4c99-a254-1fc51bc7c04f
 1 1
 90453579-a8cb-4883-82eb-9909d701fd87 cb54c6ec-023b-4818-ac7a-06aa1aa80a0e
 1 1
 NA's
 595

patient.samples.sample.portions.portion.3.analytes.analyte.2.aliquots.aliquot.3.
 1 3 NA's
 2 2 595

patient.samples.sample.portions.portion.3.analytes.analyte.2.aliquots.aliquot.3.
 0.15 0.16 0.17 NA's
 2 1 1 595

patient.samples.sample.portions.portion.3.analytes.analyte.2.aliquots.aliquot.3.
 28 29 NA's
 2 2 595

patient.samples.sample.portions.portion.3.analytes.analyte.2.aliquots.aliquot.3.
 no NA's
 4 595

patient.samples.sample.portions.portion.3.analytes.analyte.2.aliquots.aliquot.3.
 6 8 NA's
 2 2 595

patient.samples.sample.portions.portion.3.analytes.analyte.2.aliquots.aliquot.3.
 1 2 4 NA's
 1 2 1 595

patient.samples.sample.portions.portion.3.analytes.analyte.2.aliquots.aliquot.3.
 219 232 NA's
 2 2 595

patient.samples.sample.portions.portion.3.analytes.analyte.2.aliquots.aliquot.3.
 a b d g NA's
 1 1 1 1 595

patient.samples.sample.portions.portion.3.analytes.analyte.2.aliquots.aliquot.3.
 2.67 2.84 5 NA's
 1 1 2 595

patient.samples.sample.portions.portion.3.analytes.analyte.2.aliquots.aliquot.3.
 22 NA's
 4 595

patient.samples.sample.portions.portion.3.analytes.analyte.2.aliquots.aliquot.3.
 16.7 33.3 NA's
 2 2 595

patient.samples.sample.portions.portion.3.analytes.analyte.2.aliquots.aliquot.3.
 2007 NA's
 4 595

patient.samples.sample.portions.portion.3.analytes.analyte.2.aliquots.aliquot.4.
 tcga-06-0137-01a-03r-0220-02 tcga-06-0145-01a-03r-0220-02
 1 1
 tcga-06-0148-01a-04r-0233-01 tcga-06-0156-01a-03r-0233-01
 1 1
 NA's
 595

patient.samples.sample.portions.portion.3.analytes.analyte.2.aliquots.aliquot.4.
 359c83a5-c66a-471d-964c-e5cf46feec3a 7c8ada65-dfee-4874-b707-1aad7e70d83e
 1 1
 88ef5904-dc13-43e7-9786-209098cecf4c ea475020-4b6a-473d-9d21-85c31c57b48d
 1 1
 NA's
 595

patient.samples.sample.portions.portion.3.analytes.analyte.2.aliquots.aliquot.4.
 1 2 NA's
 2 2 595

patient.samples.sample.portions.portion.3.analytes.analyte.2.aliquots.aliquot.4.
 0.15 0.16 0.17 NA's
 2 1 1 595

patient.samples.sample.portions.portion.3.analytes.analyte.2.aliquots.aliquot.4.
 28 29 NA's
 2 2 595

patient.samples.sample.portions.portion.3.analytes.analyte.2.aliquots.aliquot.4.
 no NA's
 4 595

patient.samples.sample.portions.portion.3.analytes.analyte.2.aliquots.aliquot.4.
 6 8 NA's
 2 2 595

```

patient.samples.sample.portions.portion.3.analytes.analyte.2.aliquots.aliquot.4.
  1  2  3 NA's
  1  2  1 595

patient.samples.sample.portions.portion.3.analytes.analyte.2.aliquots.aliquot.4.
 220 233 NA's
  2  2  595

patient.samples.sample.portions.portion.3.analytes.analyte.2.aliquots.aliquot.4.
  b  d NA's
  1  3 595

patient.samples.sample.portions.portion.3.analytes.analyte.2.aliquots.aliquot.4.
  3 5.33 5.66 NA's
  2  1  1 595

patient.samples.sample.portions.portion.3.analytes.analyte.2.aliquots.aliquot.4.
 22 NA's
  4 595

patient.samples.sample.portions.portion.3.analytes.analyte.2.aliquots.aliquot.4.
 20 33.3 NA's
  2  2 595

patient.samples.sample.portions.portion.3.analytes.analyte.2.aliquots.aliquot.4.
2007 NA's
  4 595

patient.samples.sample.portions.portion.3.analytes.analyte.2.aliquots.aliquot.5.
tcga-06-0137-01a-03r-0513-10 tcga-06-0156-01a-03r-1849-01
                                1                                1
                                NA's
                                597

patient.samples.sample.portions.portion.3.analytes.analyte.2.aliquots.aliquot.5.
67b4bd07-77fd-4595-b2a0-5f3a3a43a221 e20ded68-f3c3-42d5-92e8-0bd277e671a2
                                1                                1
                                NA's
                                597

patient.samples.sample.portions.portion.3.analytes.analyte.2.aliquots.aliquot.5.
1053965803 NA's
           1 598

patient.samples.sample.portions.portion.3.analytes.analyte.2.aliquots.aliquot.5.
  1 10 NA's
  1  1 597

patient.samples.sample.portions.portion.3.analytes.analyte.2.aliquots.aliquot.5.
0.15 0.17 NA's
  1  1 597

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```

patient.samples.sample.portions.portion.3.analytes.analyte.2.aliquots.aliquot.5.
  6  27 NA's
  1   1  597

patient.samples.sample.portions.portion.3.analytes.analyte.2.aliquots.aliquot.5.
no NA's
  2  597

patient.samples.sample.portions.portion.3.analytes.analyte.2.aliquots.aliquot.5.
  5   6 NA's
  1   1  597

patient.samples.sample.portions.portion.3.analytes.analyte.2.aliquots.aliquot.5.
  3  12 NA's
  1   1  597

patient.samples.sample.portions.portion.3.analytes.analyte.2.aliquots.aliquot.5.
513 1849 NA's
  1   1  597

patient.samples.sample.portions.portion.3.analytes.analyte.2.aliquots.aliquot.5.
  a   c NA's
  1   1  597

patient.samples.sample.portions.portion.3.analytes.analyte.2.aliquots.aliquot.5.
5.66 10.71  NA's
  1   1  597

patient.samples.sample.portions.portion.3.analytes.analyte.2.aliquots.aliquot.5.
22 NA's
  2  597

patient.samples.sample.portions.portion.3.analytes.analyte.2.aliquots.aliquot.5.
33.3 71.4 NA's
  1   1  597

patient.samples.sample.portions.portion.3.analytes.analyte.2.aliquots.aliquot.5.
2009 2011 NA's
  1   1  597

patient.samples.sample.portions.portion.3.analytes.analyte.2.aliquots.aliquot.bo
tcga-06-0137-01a-03r-0212-03 tcga-06-0145-01a-03r-0212-03
                                1                                1
tcga-06-0148-01a-04r-0229-07 tcga-06-0156-01a-03r-0229-07
                                1                                1
                                NA's
                                595

patient.samples.sample.portions.portion.3.analytes.analyte.2.aliquots.aliquot.bo
0692dd73-ca75-442c-b98b-82042f0664e9 4ce41c79-7ce3-4697-8bc0-d459186570fe
                                1                                1
dc38c7ca-f2f5-46ab-ba93-919f7988be9f ef471c48-74bd-4d9d-a901-5e47833f3bf2

```

1
NA's
595

patient.samples.sample.portions.portion.3.analytes.analyte.2.aliquots.aliquot.ce
3 7 NA's
2 2 595

patient.samples.sample.portions.portion.3.analytes.analyte.2.aliquots.aliquot.co
0.15 0.16 0.17 NA's
2 1 1 595

patient.samples.sample.portions.portion.3.analytes.analyte.2.aliquots.aliquot.da
28 29 NA's
2 2 595

patient.samples.sample.portions.portion.3.analytes.analyte.2.aliquots.aliquot.is
no NA's
4 595

patient.samples.sample.portions.portion.3.analytes.analyte.2.aliquots.aliquot.mo
6 8 NA's
2 2 595

patient.samples.sample.portions.portion.3.analytes.analyte.2.aliquots.aliquot.pl
1 2 4 NA's
1 2 1 595

patient.samples.sample.portions.portion.3.analytes.analyte.2.aliquots.aliquot.pl
212 229 NA's
2 2 595

patient.samples.sample.portions.portion.3.analytes.analyte.2.aliquots.aliquot.pl
a b d g NA's
1 1 1 1 595

patient.samples.sample.portions.portion.3.analytes.analyte.2.aliquots.aliquot.qu
2.13 2.26 5 NA's
1 1 2 595

patient.samples.sample.portions.portion.3.analytes.analyte.2.aliquots.aliquot.so
22 NA's
4 595

patient.samples.sample.portions.portion.3.analytes.analyte.2.aliquots.aliquot.vo
13.3 33.3 NA's
2 2 595

patient.samples.sample.portions.portion.3.analytes.analyte.2.aliquots.aliquot.ye
2007 NA's
4 595

patient.samples.sample.portions.portion.3.analytes.analyte.2.amount:

10 32 70 150 NA's
1 1 1 1 595

patient.samples.sample.portions.portion.3.analytes.analyte.2.analyte_type:

rna NA's
4 595

patient.samples.sample.portions.portion.3.analytes.analyte.2.analyte_type_id:

r NA's
4 595

patient.samples.sample.portions.portion.3.analytes.analyte.2.bcr_analyte_barcode:

tcga-06-0137-01a-03r tcga-06-0145-01a-03r tcga-06-0148-01a-04r
1 1 1
tcga-06-0156-01a-03r NA's
1 595

patient.samples.sample.portions.portion.3.analytes.analyte.2.bcr_analyte_uuid:

454d11ab-1c39-4d2e-8235-b986bef7938d 6440f439-f3c7-4ff5-b250-05a50744b388
1 1
bde3e429-4afa-4855-8a6c-9862232ec313 d6bff964-700e-4176-a192-52eb717b2a52
1 1
NA's
595

patient.samples.sample.portions.portion.3.analytes.analyte.2.bcr_biospecimen_cancer_portioning_study:

study NA's
3 596

patient.samples.sample.portions.portion.3.analytes.analyte.2.concentration:

0.15 0.16 0.17 NA's
2 1 1 595

patient.samples.sample.portions.portion.3.analytes.analyte.2.gel_image_file:

<https://sharedoc.nchri.org/tcga-bcr/default.aspx>
4
NA's
595

patient.samples.sample.portions.portion.3.analytes.analyte.2.is_derived_from_ffp:

no NA's
4 595

patient.samples.sample.portions.portion.3.analytes.analyte.2.protocols.protocol:

allprep rna extraction NA's
4 595

patient.samples.sample.portions.portion.3.analytes.analyte.2.rna_ratio_28s_18s:

1 1.3 1.4 NA's
1 1 2 595

```

patient.samples.sample.portions.portion.3.analytes.analyte.2.rna.rinvalue:
  8.4  9.3 NA's
    2   1  596

patient.samples.sample.portions.portion.3.analytes.analyte.2.spectrophotometer_m
uv spec    NA's
    4     4  595

patient.samples.sample.portions.portion.3.analytes.analyte.3.aliquots.aliquot.2.
tcga-06-0148-01a-04w-0250-10                                NA's
                                1                                598

patient.samples.sample.portions.portion.3.analytes.analyte.3.aliquots.aliquot.2.
fa49f5c4-7ad6-4e84-919a-ab99c406f6fe                                NA's
                                1                                598

patient.samples.sample.portions.portion.3.analytes.analyte.3.aliquots.aliquot.2.
  10 NA's
    1  598

patient.samples.sample.portions.portion.3.analytes.analyte.3.aliquots.aliquot.2.
  0.5 NA's
    1  598

patient.samples.sample.portions.portion.3.analytes.analyte.3.aliquots.aliquot.2.
  12 NA's
    1  598

patient.samples.sample.portions.portion.3.analytes.analyte.3.aliquots.aliquot.2.
  no NA's
    1  598

patient.samples.sample.portions.portion.3.analytes.analyte.3.aliquots.aliquot.2.
    9 NA's
    1  598

patient.samples.sample.portions.portion.3.analytes.analyte.3.aliquots.aliquot.2.
    1 NA's
    1  598

patient.samples.sample.portions.portion.3.analytes.analyte.3.aliquots.aliquot.2.
  250 NA's
    1  598

patient.samples.sample.portions.portion.3.analytes.analyte.3.aliquots.aliquot.2.
    f NA's
    1  598

patient.samples.sample.portions.portion.3.analytes.analyte.3.aliquots.aliquot.2.
  200 NA's
    1  598

```


patient.samples.sample.portions.portion.3.analytes.analyte.3.aliquots.aliquot.2.
22 NA's
1 598

patient.samples.sample.portions.portion.3.analytes.analyte.3.aliquots.aliquot.2.
400 NA's
1 598

patient.samples.sample.portions.portion.3.analytes.analyte.3.aliquots.aliquot.2.
2007 NA's
1 598

patient.samples.sample.portions.portion.3.analytes.analyte.3.aliquots.aliquot.3.
tcga-06-0148-01a-04w-0252-09 NA's
1 598

patient.samples.sample.portions.portion.3.analytes.analyte.3.aliquots.aliquot.3.
cef90cc5-0ca5-4f0c-8b07-736b8920cf1c NA's
1 598

patient.samples.sample.portions.portion.3.analytes.analyte.3.aliquots.aliquot.3.
9 NA's
1 598

patient.samples.sample.portions.portion.3.analytes.analyte.3.aliquots.aliquot.3.
0.5 NA's
1 598

patient.samples.sample.portions.portion.3.analytes.analyte.3.aliquots.aliquot.3.
12 NA's
1 598

patient.samples.sample.portions.portion.3.analytes.analyte.3.aliquots.aliquot.3.
no NA's
1 598

patient.samples.sample.portions.portion.3.analytes.analyte.3.aliquots.aliquot.3.
9 NA's
1 598

patient.samples.sample.portions.portion.3.analytes.analyte.3.aliquots.aliquot.3.
1 NA's
1 598

patient.samples.sample.portions.portion.3.analytes.analyte.3.aliquots.aliquot.3.
252 NA's
1 598

patient.samples.sample.portions.portion.3.analytes.analyte.3.aliquots.aliquot.3.
f NA's
1 598

patient.samples.sample.portions.portion.3.analytes.analyte.3.aliquots.aliquot.3.
200 NA's
1 598

patient.samples.sample.portions.portion.3.analytes.analyte.3.aliquots.aliquot.3.
22 NA's
1 598

patient.samples.sample.portions.portion.3.analytes.analyte.3.aliquots.aliquot.3.
400 NA's
1 598

patient.samples.sample.portions.portion.3.analytes.analyte.3.aliquots.aliquot.3.
2007 NA's
1 598

patient.samples.sample.portions.portion.3.analytes.analyte.3.aliquots.aliquot.4.
tcga-06-0148-01a-04w-0254-08 NA's
1 598

patient.samples.sample.portions.portion.3.analytes.analyte.3.aliquots.aliquot.4.
2dd38295-bcf5-4d63-be93-672f5423faaf NA's
1 598

patient.samples.sample.portions.portion.3.analytes.analyte.3.aliquots.aliquot.4.
8 NA's
1 598

patient.samples.sample.portions.portion.3.analytes.analyte.3.aliquots.aliquot.4.
0.5 NA's
1 598

patient.samples.sample.portions.portion.3.analytes.analyte.3.aliquots.aliquot.4.
12 NA's
1 598

patient.samples.sample.portions.portion.3.analytes.analyte.3.aliquots.aliquot.4.
no NA's
1 598

patient.samples.sample.portions.portion.3.analytes.analyte.3.aliquots.aliquot.4.
9 NA's
1 598

patient.samples.sample.portions.portion.3.analytes.analyte.3.aliquots.aliquot.4.
1 NA's
1 598

patient.samples.sample.portions.portion.3.analytes.analyte.3.aliquots.aliquot.4.
254 NA's
1 598

```

patient.samples.sample.portions.portion.3.analytes.analyte.3.aliquots.aliquot.4.
  f NA's
  1 598

patient.samples.sample.portions.portion.3.analytes.analyte.3.aliquots.aliquot.4.
  200 NA's
  1 598

patient.samples.sample.portions.portion.3.analytes.analyte.3.aliquots.aliquot.4.
  22 NA's
  1 598

patient.samples.sample.portions.portion.3.analytes.analyte.3.aliquots.aliquot.4.
  400 NA's
  1 598

patient.samples.sample.portions.portion.3.analytes.analyte.3.aliquots.aliquot.4.
  2007 NA's
  1 598

patient.samples.sample.portions.portion.3.analytes.analyte.3.aliquots.aliquot.bo
tcga-06-0137-01a-03t-0213-07 tcga-06-0145-01a-03t-0213-07
                                1                                1
tcga-06-0148-01a-04w-0248-02 tcga-06-0156-01a-03t-0230-07
                                1                                1
                                NA's
                                595

patient.samples.sample.portions.portion.3.analytes.analyte.3.aliquots.aliquot.bo
30f413fb-a6e4-49fb-98f8-44e6e6a2587d 58293e1f-3e0e-44b8-ae3b-3e24b7b78ac1
                                1                                1
e38897f8-0f85-4275-80ac-1fe7d65a2034 e6bfc30b-fff2-4749-bc8b-94f9e28b641f
                                1                                1
                                NA's
                                595

patient.samples.sample.portions.portion.3.analytes.analyte.3.aliquots.aliquot.ce
  2 7 NA's
  1 3 595

patient.samples.sample.portions.portion.3.analytes.analyte.3.aliquots.aliquot.co
  0.1 0.5 NA's
  3 1 595

patient.samples.sample.portions.portion.3.analytes.analyte.3.aliquots.aliquot.da
  12 28 29 NA's
  1 2 1 595

patient.samples.sample.portions.portion.3.analytes.analyte.3.aliquots.aliquot.is
  no NA's
  4 595

```

```

patient.samples.sample.portions.portion.3.analytes.analyte.3.aliquots.aliquot.mo
  6   8   9 NA's
  2   1   1 595

patient.samples.sample.portions.portion.3.analytes.analyte.3.aliquots.aliquot.pl
  1   2   7   9 NA's
  1   1   1   1 595

patient.samples.sample.portions.portion.3.analytes.analyte.3.aliquots.aliquot.pl
 213 230 248 NA's
  2   1   1 595

patient.samples.sample.portions.portion.3.analytes.analyte.3.aliquots.aliquot.pl
  a   c   f   g NA's
  1   1   1   1 595

patient.samples.sample.portions.portion.3.analytes.analyte.3.aliquots.aliquot.qu
  1   2  14 NA's
  1   2   1 595

patient.samples.sample.portions.portion.3.analytes.analyte.3.aliquots.aliquot.sc
 22 NA's
  4 595

patient.samples.sample.portions.portion.3.analytes.analyte.3.aliquots.aliquot.vo
 10  20  28 NA's
  1   2   1 595

patient.samples.sample.portions.portion.3.analytes.analyte.3.aliquots.aliquot.ye
2007 NA's
  4 595

patient.samples.sample.portions.portion.3.analytes.analyte.3.amount:
  0  10  20  30 NA's
  1   1   1   1 595

patient.samples.sample.portions.portion.3.analytes.analyte.3.analyte_type:
repli-g (qiagen) dna          total rna          NA's
                   1                   3                   595

patient.samples.sample.portions.portion.3.analytes.analyte.3.analyte_type_id:
  t   w NA's
  3   1 595

patient.samples.sample.portions.portion.3.analytes.analyte.3.bcr_analyte_barcode
tcga-06-0137-01a-03t tcga-06-0145-01a-03t tcga-06-0148-01a-04w
                   1                   1                   1
tcga-06-0156-01a-03t                   NA's
                   1                   595

patient.samples.sample.portions.portion.3.analytes.analyte.3.bcr_analyte_uuid:
61bd6f5b-5bd7-4471-90d2-0cb85697f4f0 8d5024b2-e70a-4b9f-9273-74f5f60271cf

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```

a410fd08-a2ae-4455-a904-c2a8ab20dff5 ddc34ca8-1a3f-459c-ad90-04ffd3b6eb00
1 1
1 1
NA's
595

patient.samples.sample.portions.portion.3.analytes.analyte.3.bcr_biospecimen_cann
portioning study NA's
3 596

patient.samples.sample.portions.portion.3.analytes.analyte.3.concentration:
0.1 0.17 0.27 0.5 NA's
1 1 1 1 595

patient.samples.sample.portions.portion.3.analytes.analyte.3.dna.normal_tumor_ge
yes NA's
1 598

patient.samples.sample.portions.portion.3.analytes.analyte.3.dna.pcr_amplificati
no NA's
1 598

patient.samples.sample.portions.portion.3.analytes.analyte.3.gel_image_file:
https://sharedoc.nchri.org/tcga-bcr/default.aspx
4
NA's
595

patient.samples.sample.portions.portion.3.analytes.analyte.3.is_derived_from_ffp
no NA's
4 595

patient.samples.sample.portions.portion.3.analytes.analyte.3.protocols.protocol.
repli-g total rna NA's
1 3 595

patient.samples.sample.portions.portion.3.analytes.analyte.3.spectrophotometer_m
uv spec NA's
4 595

patient.samples.sample.portions.portion.3.analytes.analyte.4.aliquots.aliquot.2.
tcga-06-0137-01a-03w-0224-08 tcga-06-0145-01a-03w-0224-08
1 1
tcga-06-0156-01a-03w-0250-10 NA's
1 596

patient.samples.sample.portions.portion.3.analytes.analyte.4.aliquots.aliquot.2.
0359e35f-5b20-48a6-b0c0-3689ec0024dc 2efb1373-a4c5-44a0-8034-fc8149dc4531
1 1
58fd24c3-e17a-455a-80f6-56c371357ca0 NA's
1 596

```

```

patient.samples.sample.portions.portion.3.analytes.analyte.4.aliquots.aliquot.2.
  8  10 NA's
  2   1 596

patient.samples.sample.portions.portion.3.analytes.analyte.4.aliquots.aliquot.2.
  0.5 NA's
  3 596

patient.samples.sample.portions.portion.3.analytes.analyte.4.aliquots.aliquot.2.
  12  18 NA's
  1   2 596

patient.samples.sample.portions.portion.3.analytes.analyte.4.aliquots.aliquot.2.
  no NA's
  3 596

patient.samples.sample.portions.portion.3.analytes.analyte.4.aliquots.aliquot.2.
  7   9 NA's
  2   1 596

patient.samples.sample.portions.portion.3.analytes.analyte.4.aliquots.aliquot.2.
  2   3   4 NA's
  1   1   1 596

patient.samples.sample.portions.portion.3.analytes.analyte.4.aliquots.aliquot.2.
  224 250 NA's
  2   1 596

patient.samples.sample.portions.portion.3.analytes.analyte.4.aliquots.aliquot.2.
  a   d   g NA's
  1   1   1 596

patient.samples.sample.portions.portion.3.analytes.analyte.4.aliquots.aliquot.2.
  200 NA's
  3 596

patient.samples.sample.portions.portion.3.analytes.analyte.4.aliquots.aliquot.2.
  22 NA's
  3 596

patient.samples.sample.portions.portion.3.analytes.analyte.4.aliquots.aliquot.2.
  400 NA's
  3 596

patient.samples.sample.portions.portion.3.analytes.analyte.4.aliquots.aliquot.2.
  2007 NA's
  3 596

patient.samples.sample.portions.portion.3.analytes.analyte.4.aliquots.aliquot.3.
tcga-06-0137-01a-03w-0225-09 tcga-06-0145-01a-03w-0225-09
                                1                                1
tcga-06-0156-01a-03w-0252-09                                NA's

```

1

596

patient.samples.sample.portions.portion.3.analytes.analyte.4.aliquots.aliquot.3.
25a2714e-8dbf-4c50-98bf-f81e44365ba3 39e575c0-f71e-4145-9ca7-d026f027c078

1

1

f24752b7-cc8f-4d41-8bc9-49e06357ef4d

NA's

1

596

patient.samples.sample.portions.portion.3.analytes.analyte.4.aliquots.aliquot.3.

9 NA's

3 596

patient.samples.sample.portions.portion.3.analytes.analyte.4.aliquots.aliquot.3.

0.5 NA's

3 596

patient.samples.sample.portions.portion.3.analytes.analyte.4.aliquots.aliquot.3.

12 18 NA's

1 2 596

patient.samples.sample.portions.portion.3.analytes.analyte.4.aliquots.aliquot.3.

no NA's

3 596

patient.samples.sample.portions.portion.3.analytes.analyte.4.aliquots.aliquot.3.

7 9 NA's

2 1 596

patient.samples.sample.portions.portion.3.analytes.analyte.4.aliquots.aliquot.3.

2 3 4 NA's

1 1 1 596

patient.samples.sample.portions.portion.3.analytes.analyte.4.aliquots.aliquot.3.

225 252 NA's

2 1 596

patient.samples.sample.portions.portion.3.analytes.analyte.4.aliquots.aliquot.3.

a d g NA's

1 1 1 596

patient.samples.sample.portions.portion.3.analytes.analyte.4.aliquots.aliquot.3.

200 NA's

3 596

patient.samples.sample.portions.portion.3.analytes.analyte.4.aliquots.aliquot.3.

22 NA's

3 596

patient.samples.sample.portions.portion.3.analytes.analyte.4.aliquots.aliquot.3.

400 NA's

3 596

```

patient.samples.sample.portions.portion.3.analytes.analyte.4.aliquots.aliquot.3.
2007 NA's
  3  596

patient.samples.sample.portions.portion.3.analytes.analyte.4.aliquots.aliquot.4.
tcga-06-0137-01a-03w-0226-02 tcga-06-0145-01a-03w-0226-02
                                1                                1
tcga-06-0156-01a-03w-0254-08                                NA's
                                1                                596

patient.samples.sample.portions.portion.3.analytes.analyte.4.aliquots.aliquot.4.
24d23937-a4a9-4e1f-a53b-784940033105 baa9b05e-4352-4e83-baa4-7b636d3c9cf0
                                1                                1
e9796208-7056-4e6a-b93a-5698ce58ce7d                                NA's
                                1                                596

patient.samples.sample.portions.portion.3.analytes.analyte.4.aliquots.aliquot.4.
  2    8 NA's
  2    1  596

patient.samples.sample.portions.portion.3.analytes.analyte.4.aliquots.aliquot.4.
0.5 NA's
  3  596

patient.samples.sample.portions.portion.3.analytes.analyte.4.aliquots.aliquot.4.
 12   18 NA's
  1    2  596

patient.samples.sample.portions.portion.3.analytes.analyte.4.aliquots.aliquot.4.
no NA's
  3  596

patient.samples.sample.portions.portion.3.analytes.analyte.4.aliquots.aliquot.4.
  7    9 NA's
  2    1  596

patient.samples.sample.portions.portion.3.analytes.analyte.4.aliquots.aliquot.4.
  2    3    4 NA's
  1    1    1  596

patient.samples.sample.portions.portion.3.analytes.analyte.4.aliquots.aliquot.4.
226  254 NA's
  2    1  596

patient.samples.sample.portions.portion.3.analytes.analyte.4.aliquots.aliquot.4.
  a    d    g NA's
  1    1    1  596

patient.samples.sample.portions.portion.3.analytes.analyte.4.aliquots.aliquot.4.
 14  200 NA's
  2    1  596

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patient.samples.sample.portions.portion.3.analytes.analyte.4.aliquots.aliquot.4.
  22 NA's
  3 596

patient.samples.sample.portions.portion.3.analytes.analyte.4.aliquots.aliquot.4.
  28 400 NA's
  2 1 596

patient.samples.sample.portions.portion.3.analytes.analyte.4.aliquots.aliquot.4.
2007 NA's
  3 596

patient.samples.sample.portions.portion.3.analytes.analyte.4.aliquots.aliquot.bo
tcga-06-0137-01a-03w-0223-10 tcga-06-0145-01a-03w-0223-10
                                1                                1
tcga-06-0156-01a-03w-0248-02                                NA's
                                1                                596

patient.samples.sample.portions.portion.3.analytes.analyte.4.aliquots.aliquot.bo
64d2e7f4-ea97-4a57-8762-b015d6db8a13 84f05364-2887-401d-850b-5f12927d0b2a
                                1                                1
de8a4f1b-b0a3-4446-8825-1e51f9ac1db3                                NA's
                                1                                596

patient.samples.sample.portions.portion.3.analytes.analyte.4.aliquots.aliquot.ce
  2 10 NA's
  1 2 596

patient.samples.sample.portions.portion.3.analytes.analyte.4.aliquots.aliquot.co
  0.5 NA's
  3 596

patient.samples.sample.portions.portion.3.analytes.analyte.4.aliquots.aliquot.da
  12 18 NA's
  1 2 596

patient.samples.sample.portions.portion.3.analytes.analyte.4.aliquots.aliquot.is
  no NA's
  3 596

patient.samples.sample.portions.portion.3.analytes.analyte.4.aliquots.aliquot.mo
  7 9 NA's
  2 1 596

patient.samples.sample.portions.portion.3.analytes.analyte.4.aliquots.aliquot.pl
  2 3 4 NA's
  1 1 1 596

patient.samples.sample.portions.portion.3.analytes.analyte.4.aliquots.aliquot.pl
  223 248 NA's
  2 1 596

```

```

patient.samples.sample.portions.portion.3.analytes.analyte.4.aliquots.aliquot.pl
  a      d      g NA's
  1      1      1 596

patient.samples.sample.portions.portion.3.analytes.analyte.4.aliquots.aliquot.qu
  14 200 NA's
  1   2 596

patient.samples.sample.portions.portion.3.analytes.analyte.4.aliquots.aliquot.sc
  22 NA's
  3 596

patient.samples.sample.portions.portion.3.analytes.analyte.4.aliquots.aliquot.vo
  28 400 NA's
  1   2 596

patient.samples.sample.portions.portion.3.analytes.analyte.4.aliquots.aliquot.ye
2007 NA's
  3 596

patient.samples.sample.portions.portion.3.analytes.analyte.4.amount:
  0 NA's
  3 596

patient.samples.sample.portions.portion.3.analytes.analyte.4.analyte_type:
repli-g (qiagen) dna                      NA's
                      3                      596

patient.samples.sample.portions.portion.3.analytes.analyte.4.analyte_type_id:
  w NA's
  3 596

patient.samples.sample.portions.portion.3.analytes.analyte.4.bcr_analyte_barcode
tcga-06-0137-01a-03w tcga-06-0145-01a-03w tcga-06-0156-01a-03w
                      1                      1                      1
                      NA's
                      596

patient.samples.sample.portions.portion.3.analytes.analyte.4.bcr_analyte_uuid:
342c7f13-7fe3-420d-8ef6-41e16b9542b1 cc17c3fe-c2d4-47b1-be3f-ca389c4b023d
                      1                      1
fc99c9c5-f80c-4e73-a559-5898ed388711                      NA's
                      1                      596

patient.samples.sample.portions.portion.3.analytes.analyte.4.concentration:
  0.5 NA's
  3 596

patient.samples.sample.portions.portion.3.analytes.analyte.4.dna.normal_tumor_ge
yes NA's
  3 596

```

patient.samples.sample.portions.portion.3.analytes.analyte.4.dna.pcr_amplification
no NA's
3 596

patient.samples.sample.portions.portion.3.analytes.analyte.4.gel_image_file:
<https://sharedoc.nchri.org/tcga-bcr/default.aspx>
3
NA's
596

patient.samples.sample.portions.portion.3.analytes.analyte.4.is_derived_from_ffp
no NA's
3 596

patient.samples.sample.portions.portion.3.analytes.analyte.4.protocols.protocol.
repli-g NA's
3 596

patient.samples.sample.portions.portion.3.analytes.analyte.4.spectrophotometer_m
uv spec NA's
3 596

patient.samples.sample.portions.portion.3.analytes.analyte.a260_a280_ratio:
1.89 1.91 NA's
2 2 595

patient.samples.sample.portions.portion.3.analytes.analyte.aliquots.aliquot.2.bo
tcga-06-0137-01a-03d-0215-04 tcga-06-0145-01a-03d-0215-04
1 1
tcga-06-0148-01a-04d-0236-01 tcga-06-0156-01a-03d-0236-01
1 1
NA's
595

patient.samples.sample.portions.portion.3.analytes.analyte.aliquots.aliquot.2.bo
11416c19-9820-4bf4-99db-405da7af5134 2c32f015-859a-4aa8-a468-23f076cd4579
1 1
3a132d83-ccdf-408e-82d0-ce040ed70bff 3f4f290d-3137-430b-b181-ff7ffb1d03c2
1 1
NA's
595

patient.samples.sample.portions.portion.3.analytes.analyte.aliquots.aliquot.2.ce
1 4 NA's
2 2 595

patient.samples.sample.portions.portion.3.analytes.analyte.aliquots.aliquot.2.co
0.12 0.15 0.18 NA's
1 2 1 595

patient.samples.sample.portions.portion.3.analytes.analyte.aliquots.aliquot.2.da
28 29 NA's

```

2      2  595

patient.samples.sample.portions.portion.3.analytes.analyte.aliquots.aliquot.2.is
no NA's
4  595

patient.samples.sample.portions.portion.3.analytes.analyte.aliquots.aliquot.2.mo
6      8 NA's
2      2  595

patient.samples.sample.portions.portion.3.analytes.analyte.aliquots.aliquot.2.pl
1      2      4 NA's
1      2      1  595

patient.samples.sample.portions.portion.3.analytes.analyte.aliquots.aliquot.2.pl
215  236 NA's
2      2  595

patient.samples.sample.portions.portion.3.analytes.analyte.aliquots.aliquot.2.pl
a      g NA's
1      3  595

patient.samples.sample.portions.portion.3.analytes.analyte.aliquots.aliquot.2.qu
1.2  1.8      5 NA's
1      1      2  595

patient.samples.sample.portions.portion.3.analytes.analyte.aliquots.aliquot.2.so
22 NA's
4  595

patient.samples.sample.portions.portion.3.analytes.analyte.aliquots.aliquot.2.vo
10 33.3 NA's
2      2  595

patient.samples.sample.portions.portion.3.analytes.analyte.aliquots.aliquot.2.ye
2007 NA's
4  595

patient.samples.sample.portions.portion.3.analytes.analyte.aliquots.aliquot.3.bo
tcga-06-0137-01a-03d-0216-06 tcga-06-0145-01a-03d-0216-06
1 1
tcga-06-0148-01a-04d-0238-04 tcga-06-0156-01a-03d-0238-04
1 1
NA's
595

patient.samples.sample.portions.portion.3.analytes.analyte.aliquots.aliquot.3.bo
0f36cad2-9ab2-4fa7-bad6-fc96e343b7d1 3108f9df-c7c7-446c-b0fd-4391edc9b538
1 1
91d90976-69c0-414e-be4a-16724a8933ab aa84a7bb-e75a-4d04-b300-693083a899d8
1 1
NA's

```

595

```
patient.samples.sample.portions.portion.3.analytes.analyte.aliquots.aliquot.3.ce
  4    6 NA's
  2    2 595

patient.samples.sample.portions.portion.3.analytes.analyte.aliquots.aliquot.3.co
0.12 0.15 0.18 NA's
  1    2    1 595

patient.samples.sample.portions.portion.3.analytes.analyte.aliquots.aliquot.3.da
 28   29 NA's
  2    2 595

patient.samples.sample.portions.portion.3.analytes.analyte.aliquots.aliquot.3.is
no NA's
  4 595

patient.samples.sample.portions.portion.3.analytes.analyte.aliquots.aliquot.3.mo
  6    8 NA's
  2    2 595

patient.samples.sample.portions.portion.3.analytes.analyte.aliquots.aliquot.3.pl
  1    2    4 NA's
  1    2    1 595

patient.samples.sample.portions.portion.3.analytes.analyte.aliquots.aliquot.3.pl
216 238 NA's
  2    2 595

patient.samples.sample.portions.portion.3.analytes.analyte.aliquots.aliquot.3.pl
 a    g NA's
  1    3 595

patient.samples.sample.portions.portion.3.analytes.analyte.aliquots.aliquot.3.qu
  3 4.8 7.2 NA's
  2    1    1 595

patient.samples.sample.portions.portion.3.analytes.analyte.aliquots.aliquot.3.so
 22 NA's
  4 595

patient.samples.sample.portions.portion.3.analytes.analyte.aliquots.aliquot.3.vo
 20   40 NA's
  2    2 595

patient.samples.sample.portions.portion.3.analytes.analyte.aliquots.aliquot.3.ye
2007 NA's
  4 595

patient.samples.sample.portions.portion.3.analytes.analyte.aliquots.aliquot.4.bo
tcga-06-0137-01a-03d-0217-02 tcga-06-0145-01a-03d-0217-02
```

```

1
tcga-06-0148-01a-04d-0240-06 tcga-06-0156-01a-03d-0240-06
1
NA's
595

```

```

patient.samples.sample.portions.portion.3.analytes.analyte.aliquots.aliquot.4.bo
0a3e3180-e5ce-4226-81a2-b6e01fe34d08 b1bd01ac-aaf6-4d70-bf8a-b74f9832ca4c
1
1
d430681b-a84c-43cb-b53f-8cd377ea55f0 da5c8596-44f2-4e11-93aa-71489c15b1b3
1
1
NA's
595

```

```

patient.samples.sample.portions.portion.3.analytes.analyte.aliquots.aliquot.4.ce
2 6 NA's
2 2 595

```

```

patient.samples.sample.portions.portion.3.analytes.analyte.aliquots.aliquot.4.co
0.12 0.15 0.16 0.18 NA's
1 1 1 1 595

```

```

patient.samples.sample.portions.portion.3.analytes.analyte.aliquots.aliquot.4.da
28 29 NA's
2 2 595

```

```

patient.samples.sample.portions.portion.3.analytes.analyte.aliquots.aliquot.4.is
no NA's
4 595

```

```

patient.samples.sample.portions.portion.3.analytes.analyte.aliquots.aliquot.4.mo
6 8 NA's
2 2 595

```

```

patient.samples.sample.portions.portion.3.analytes.analyte.aliquots.aliquot.4.pl
1 2 3 5 NA's
1 1 1 1 595

```

```

patient.samples.sample.portions.portion.3.analytes.analyte.aliquots.aliquot.4.pl
217 240 NA's
2 2 595

```

```

patient.samples.sample.portions.portion.3.analytes.analyte.aliquots.aliquot.4.pl
e f g NA's
1 1 2 595

```

```

patient.samples.sample.portions.portion.3.analytes.analyte.aliquots.aliquot.4.qu
2.4 3.6 5 5.33 NA's
1 1 1 1 595

```

```

patient.samples.sample.portions.portion.3.analytes.analyte.aliquots.aliquot.4.so
22 NA's

```

4 595

patient.samples.sample.portions.portion.3.analytes.analyte.aliquots.aliquot.4.vo
20 33.3 NA's
2 2 595

patient.samples.sample.portions.portion.3.analytes.analyte.aliquots.aliquot.4.ye
2007 NA's
4 595

patient.samples.sample.portions.portion.3.analytes.analyte.aliquots.aliquot.5.bo
tcga-06-0137-01a-03d-0218-05 tcga-06-0145-01a-03d-0218-05
1 1
tcga-06-0148-01a-04d-0242-05 tcga-06-0156-01a-03d-0242-05
1 1
NA's
595

patient.samples.sample.portions.portion.3.analytes.analyte.aliquots.aliquot.5.bo
016d1b50-ba06-4733-bac1-2ec7984605c0 1cd13e9e-23b7-4e49-9b5f-cc7cecabf2ea
1 1
72572982-e355-4bcd-a045-72913b1b4ae4 b0e3b163-0940-4909-928e-c5a15f389122
1 1
NA's
595

patient.samples.sample.portions.portion.3.analytes.analyte.aliquots.aliquot.5.ce
5 NA's
4 595

patient.samples.sample.portions.portion.3.analytes.analyte.aliquots.aliquot.5.co
0.12 0.15 0.16 0.18 NA's
1 1 1 1 595

patient.samples.sample.portions.portion.3.analytes.analyte.aliquots.aliquot.5.da
28 29 NA's
2 2 595

patient.samples.sample.portions.portion.3.analytes.analyte.aliquots.aliquot.5.is
no NA's
4 595

patient.samples.sample.portions.portion.3.analytes.analyte.aliquots.aliquot.5.mo
6 8 NA's
2 2 595

patient.samples.sample.portions.portion.3.analytes.analyte.aliquots.aliquot.5.pl
1 2 4 NA's
1 2 1 595

patient.samples.sample.portions.portion.3.analytes.analyte.aliquots.aliquot.5.pl
218 242 NA's

```

2      2      595

patient.samples.sample.portions.portion.3.analytes.analyte.aliquots.aliquot.5.pl
a      g NA's
1      3      595

patient.samples.sample.portions.portion.3.analytes.analyte.aliquots.aliquot.5.qu
2 3.01      5 5.33 NA's
1      1      1      1      595

patient.samples.sample.portions.portion.3.analytes.analyte.aliquots.aliquot.5.so
22 NA's
4      595

patient.samples.sample.portions.portion.3.analytes.analyte.aliquots.aliquot.5.vo
16.7 33.3 NA's
2      2      595

patient.samples.sample.portions.portion.3.analytes.analyte.aliquots.aliquot.5.ye
2007 NA's
4      595

patient.samples.sample.portions.portion.3.analytes.analyte.aliquots.aliquot.6.bo
tcga-06-0137-01a-03d-0513-10 tcga-06-0145-01a-03d-1003-01
                                1                                1
tcga-06-0156-01a-03d-1491-08                                NA's
                                1                                596

patient.samples.sample.portions.portion.3.analytes.analyte.aliquots.aliquot.6.bo
2889ce5a-8615-490b-9f8b-e4c095e55660 3b94893f-1c26-4df7-8bf7-11e176172532
                                1                                1
6c4b534e-68fa-4171-8b02-7e433cbcf24f                                NA's
                                1                                596

patient.samples.sample.portions.portion.3.analytes.analyte.aliquots.aliquot.6.bi
97544078 1049950175      NA's
                                1                                1                                597

patient.samples.sample.portions.portion.3.analytes.analyte.aliquots.aliquot.6.ce
1      8      10 NA's
1      1      1      596

patient.samples.sample.portions.portion.3.analytes.analyte.aliquots.aliquot.6.co
0.05 0.15 0.16 NA's
1      1      1      596

patient.samples.sample.portions.portion.3.analytes.analyte.aliquots.aliquot.6.da
3      6      19 NA's
1      1      1      596

patient.samples.sample.portions.portion.3.analytes.analyte.aliquots.aliquot.6.is
no NA's

```


3 596

patient.samples.sample.portions.portion.3.analytes.analyte.aliquots.aliquot.6.mo

1 5 NA's
1 2 596

patient.samples.sample.portions.portion.3.analytes.analyte.aliquots.aliquot.6.pl

1 2 NA's
2 1 596

patient.samples.sample.portions.portion.3.analytes.analyte.aliquots.aliquot.6.pl

513 1003 1491 NA's
1 1 1 596

patient.samples.sample.portions.portion.3.analytes.analyte.aliquots.aliquot.6.pl

a c NA's
1 2 596

patient.samples.sample.portions.portion.3.analytes.analyte.aliquots.aliquot.6.qu

0.53 2 20 NA's
1 1 1 596

patient.samples.sample.portions.portion.3.analytes.analyte.aliquots.aliquot.6.so

22 NA's
3 596

patient.samples.sample.portions.portion.3.analytes.analyte.aliquots.aliquot.6.vo

3.33 40 133.3 NA's
1 1 1 596

patient.samples.sample.portions.portion.3.analytes.analyte.aliquots.aliquot.6.ye

2009 2010 2011 NA's
1 1 1 596

patient.samples.sample.portions.portion.3.analytes.analyte.aliquots.aliquot.7.bo

tcga-06-0137-01a-03d-1490-08 tcga-06-0145-01a-03d-1490-08
1 1
NA's
597

patient.samples.sample.portions.portion.3.analytes.analyte.aliquots.aliquot.7.bo

4bc350b4-4558-4869-a5a8-1b4a88305e2e a50a6f11-1679-4649-b2c1-7b5197306773
1 1
NA's
597

patient.samples.sample.portions.portion.3.analytes.analyte.aliquots.aliquot.7.bi

1049950490 1049950506 NA's
1 1 597

patient.samples.sample.portions.portion.3.analytes.analyte.aliquots.aliquot.7.ce

8 NA's

2 597

patient.samples.sample.portions.portion.3.analytes.analyte.aliquots.aliquot.7.co
0.05 NA's

2 597

patient.samples.sample.portions.portion.3.analytes.analyte.aliquots.aliquot.7.da
3 NA's

2 597

patient.samples.sample.portions.portion.3.analytes.analyte.aliquots.aliquot.7.is
no NA's

2 597

patient.samples.sample.portions.portion.3.analytes.analyte.aliquots.aliquot.7.mo
1 NA's

2 597

patient.samples.sample.portions.portion.3.analytes.analyte.aliquots.aliquot.7.pl
4 5 NA's

1 1 597

patient.samples.sample.portions.portion.3.analytes.analyte.aliquots.aliquot.7.pl
1490 NA's

2 597

patient.samples.sample.portions.portion.3.analytes.analyte.aliquots.aliquot.7.pl
e f NA's

1 1 597

patient.samples.sample.portions.portion.3.analytes.analyte.aliquots.aliquot.7.qu
2 NA's

2 597

patient.samples.sample.portions.portion.3.analytes.analyte.aliquots.aliquot.7.so
22 NA's

2 597

patient.samples.sample.portions.portion.3.analytes.analyte.aliquots.aliquot.7.vo
40 NA's

2 597

patient.samples.sample.portions.portion.3.analytes.analyte.aliquots.aliquot.7.ye
2011 NA's

2 597

patient.samples.sample.portions.portion.3.analytes.analyte.aliquots.aliquot.bcr_
tcga-06-0137-01a-03d-0214-01 tcga-06-0145-01a-03d-0214-01

1

1

tcga-06-0148-01a-04d-0234-06 tcga-06-0156-01a-03d-0234-06

1

1

NA's

595

```

patient.samples.sample.portions.portion.3.analytes.analyte.aliquots.aliquot.bcr_
2637dded-37c0-47dd-9209-2945b7b4a6c8 6cfbab5c-6de7-4dea-824f-f3d88522c95c
1 1
a9e9862a-ff51-4cf2-aad1-e3420dcee203 c867f9ab-6ba0-43b6-a32a-f8fe0aa199f9
1 1
NA's
595

patient.samples.sample.portions.portion.3.analytes.analyte.aliquots.aliquot.cent
1 6 NA's
2 2 595

patient.samples.sample.portions.portion.3.analytes.analyte.aliquots.aliquot.conc
0.12 0.15 0.18 NA's
1 2 1 595

patient.samples.sample.portions.portion.3.analytes.analyte.aliquots.aliquot.day_
28 29 NA's
2 2 595

patient.samples.sample.portions.portion.3.analytes.analyte.aliquots.aliquot.is_d
no NA's
4 595

patient.samples.sample.portions.portion.3.analytes.analyte.aliquots.aliquot.mont
6 8 NA's
2 2 595

patient.samples.sample.portions.portion.3.analytes.analyte.aliquots.aliquot.plat
1 2 4 NA's
1 2 1 595

patient.samples.sample.portions.portion.3.analytes.analyte.aliquots.aliquot.plat
214 234 NA's
2 2 595

patient.samples.sample.portions.portion.3.analytes.analyte.aliquots.aliquot.plat
a g NA's
1 3 595

patient.samples.sample.portions.portion.3.analytes.analyte.aliquots.aliquot.quan
2 4 5.99 NA's
2 1 1 595

patient.samples.sample.portions.portion.3.analytes.analyte.aliquots.aliquot.sour
22 NA's
4 595

patient.samples.sample.portions.portion.3.analytes.analyte.aliquots.aliquot.vol
13.3 33.3 NA's

```

2 2 595

patient.samples.sample.portions.portion.3.analytes.analyte.aliquots.aliquot.year:
2007 NA's
4 595

patient.samples.sample.portions.portion.3.analytes.analyte.amount:
83.37 226.4 500 700 NA's
1 1 1 1 595

patient.samples.sample.portions.portion.3.analytes.analyte.analyte_type:
dna NA's
4 595

patient.samples.sample.portions.portion.3.analytes.analyte.analyte_type_id:
d NA's
4 595

patient.samples.sample.portions.portion.3.analytes.analyte.bcr_analyte_barcode:
tcga-06-0137-01a-03d tcga-06-0145-01a-03d tcga-06-0148-01a-04d
1 1 1
tcga-06-0156-01a-03d NA's
1 595

patient.samples.sample.portions.portion.3.analytes.analyte.bcr_analyte_uuid:
7c068503-625a-4d12-a464-fcb1fa65b7d1 905a15fc-69ef-4216-87f2-ec1b17755d9e
1 1
b14b041c-214d-4312-82a1-3dbacbf3099b bfa7fba3-f31c-437d-b880-e3143cdfd308
1 1
NA's
595

patient.samples.sample.portions.portion.3.analytes.analyte.bcr_biospecimen_canon
portioning study NA's
3 596

patient.samples.sample.portions.portion.3.analytes.analyte.concentration:
0.12 0.15 0.16 0.18 NA's
1 1 1 1 595

patient.samples.sample.portions.portion.3.analytes.analyte.dna.normal_tumor_genom
yes NA's
4 595

patient.samples.sample.portions.portion.3.analytes.analyte.dna.pcr_amplification
yes NA's
4 595

patient.samples.sample.portions.portion.3.analytes.analyte.gel_image_file:
<https://sharedoc.nchri.org/tcga-bcr/default.aspx>
4
NA's

595

```
patient.samples.sample.portions.portion.3.analytes.analyte.is_derived_from_ffpe:
no NA's
4 595
```

```
patient.samples.sample.portions.portion.3.analytes.analyte.protocols.protocol.ex
adna preparation type NA's
4 595
```

```
patient.samples.sample.portions.portion.3.analytes.analyte.spectrophotometer_met
uv spec NA's
4 595
```

```
patient.samples.sample.portions.portion.3.bcr_portion_barcode:
tcga-06-0137-01a-03 tcga-06-0145-01a-03 tcga-06-0148-01a-04 tcga-06-0156-01a-03
1 1 1 1
NA's
595
```

```
patient.samples.sample.portions.portion.3.bcr_portion_uuid:
7507eb83-723b-4d9a-94db-4f4eb369faa2 7acb607f-ced9-43cf-9b1a-e1893e5fc5e7
1 1
a839fc4c-0e71-4296-8696-be73ca3321b2 f570d97f-3e78-4b0d-a5af-b8f9896704f1
1 1
NA's
595
```

```
patient.samples.sample.portions.portion.3.day_of_creation:
4 NA's
4 595
```

```
patient.samples.sample.portions.portion.3.is_ffpe:
no NA's
4 595
```

```
patient.samples.sample.portions.portion.3.month_of_creation:
2 NA's
4 595
```

```
patient.samples.sample.portions.portion.3.portion_number:
3 4 NA's
3 1 595
```

```
patient.samples.sample.portions.portion.3.slides.slide.2.bcr_slide_barcode:
tcga-06-0137-01a-03-bs3 tcga-06-0145-01a-03-bs3 tcga-06-0148-01a-04-bs4
1 1 1
tcga-06-0156-01a-03-ts3 NA's
1 595
```

```
patient.samples.sample.portions.portion.3.slides.slide.2.bcr_slide_uuid:
003f242a-aac0-4d4b-af05-4ba6facd000b 5da5e32d-aafb-48b8-ae1d-1492617a5daa
```

```

1
bf9d7aa2-5206-4971-b3db-364d4df6dd83 c2c8f4dd-06d2-46cb-bc41-58b001adcb01
1
NA's
595

```

```

patient.samples.sample.portions.portion.3.slides.slide.2.image_file_name:
tcga-06-0137-01a-03-bs3.003f242a-aac0-4d4b-af05-4ba6facd000b.svs
1
tcga-06-0145-01a-03-bs3.5da5e32d-aafb-48b8-ae1d-1492617a5daa.svs
1
tcga-06-0148-01a-04-bs4.c2c8f4dd-06d2-46cb-bc41-58b001adcb01.svs
1
tcga-06-0156-01a-03-ts3.bf9d7aa2-5206-4971-b3db-364d4df6dd83.svs
1
NA's
595

```

```

patient.samples.sample.portions.portion.3.slides.slide.2.is_derived_from_ffpe:
no NA's
4 595

```

```

patient.samples.sample.portions.portion.3.slides.slide.2.percent_lymphocyte_infi
0 NA's
3 596

```

```

patient.samples.sample.portions.portion.3.slides.slide.2.percent_monocyte_infilt
0 NA's
3 596

```

```

patient.samples.sample.portions.portion.3.slides.slide.2.percent_necrosis:
0 5 20 40 NA's
1 1 1 1 595

```

```

patient.samples.sample.portions.portion.3.slides.slide.2.percent_neutrophil_infi
0 NA's
3 596

```

```

patient.samples.sample.portions.portion.3.slides.slide.2.percent_normal_cells:
0 NA's
4 595

```

```

patient.samples.sample.portions.portion.3.slides.slide.2.percent_stromal_cells:
0 50 NA's
3 1 595

```

```

patient.samples.sample.portions.portion.3.slides.slide.2.percent_tumor_cells:
50 60 80 95 NA's
1 1 1 1 595

```

```

patient.samples.sample.portions.portion.3.slides.slide.2.percent_tumor_nuclei:
90 100 NA's

```

1 3 595

patient.samples.sample.portions.portion.3.slides.slide.2.section_location:

bottom top NA's
3 1 595

patient.samples.sample.portions.portion.3.slides.slide.bcr_slide_barcode:

tcga-06-0137-01a-02-bs2 tcga-06-0145-01a-02-bs2 tcga-06-0148-01a-03-bs3
1 1 1
tcga-06-0156-01a-03-bs3 NA's
1 595

patient.samples.sample.portions.portion.3.slides.slide.bcr_slide_uuid:

1ecbdd52-f82b-4621-9062-d4e61bcd0469 35ddb8d4-b43e-49f4-a89c-b958748f7e53
1 1
6bac7c82-b883-42a5-82e1-2da0a9c1ebf7 b3e605db-2a13-4244-8c2a-35a653adb295
1 1
NA's
595

patient.samples.sample.portions.portion.3.slides.slide.image_file_name:

tcga-06-0137-01a-02-bs2.1ecbdd52-f82b-4621-9062-d4e61bcd0469.svs
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tcga-06-0145-01a-02-bs2.6bac7c82-b883-42a5-82e1-2da0a9c1ebf7.svs
1
tcga-06-0148-01a-03-bs3.35ddb8d4-b43e-49f4-a89c-b958748f7e53.svs
1
NA's
596

patient.samples.sample.portions.portion.3.slides.slide.is_derived_from_ffpe:

no NA's
4 595

patient.samples.sample.portions.portion.3.slides.slide.percent_lymphocyte_infiltration:

0 NA's
3 596

patient.samples.sample.portions.portion.3.slides.slide.percent_monocyte_infiltration:

0 NA's
3 596

patient.samples.sample.portions.portion.3.slides.slide.percent_necrosis:

5 10 20 95 NA's
1 1 1 1 595

patient.samples.sample.portions.portion.3.slides.slide.percent_neutrophil_infiltration:

0 NA's
3 596

patient.samples.sample.portions.portion.3.slides.slide.percent_normal_cells:

0 NA's

4 595

patient.samples.sample.portions.portion.3.slides.slide.percent_stromal_cells:

0 15 NA's

3 1 595

patient.samples.sample.portions.portion.3.slides.slide.percent_tumor_cells:

5 80 90 NA's

1 2 1 595

patient.samples.sample.portions.portion.3.slides.slide.percent_tumor_nuclei:

5 95 100 NA's

1 1 2 595

patient.samples.sample.portions.portion.3.slides.slide.section_location:

bottom top NA's

1 3 595

patient.samples.sample.portions.portion.3.year_of_creation:

2009 NA's

4 595

patient.samples.sample.portions.portion.4.analytes.analyte.2.a260_a280_ratio:

1.8 1.82 NA's

1 1 597

patient.samples.sample.portions.portion.4.analytes.analyte.2.aliquots.aliquot.2.

tcga-06-0145-01a-04r-0213-07 tcga-06-0148-01a-05r-0231-06

1

1

NA's

597

patient.samples.sample.portions.portion.4.analytes.analyte.2.aliquots.aliquot.2.

10a3977a-2c59-4fde-ab7a-dd94aed79fef 9b22f346-0778-4848-a753-93d7dfcb8123

1

1

NA's

597

patient.samples.sample.portions.portion.4.analytes.analyte.2.aliquots.aliquot.2.

6 7 NA's

1 1 597

patient.samples.sample.portions.portion.4.analytes.analyte.2.aliquots.aliquot.2.

0.14 0.15 NA's

1 1 597

patient.samples.sample.portions.portion.4.analytes.analyte.2.aliquots.aliquot.2.

28 29 NA's

1 1 597

patient.samples.sample.portions.portion.4.analytes.analyte.2.aliquots.aliquot.2.

no NA's

2 597

patient.samples.sample.portions.portion.4.analytes.analyte.2.aliquots.aliquot.2.

6 8 NA's

1 1 597

patient.samples.sample.portions.portion.4.analytes.analyte.2.aliquots.aliquot.2.

1 4 NA's

1 1 597

patient.samples.sample.portions.portion.4.analytes.analyte.2.aliquots.aliquot.2.

213 231 NA's

1 1 597

patient.samples.sample.portions.portion.4.analytes.analyte.2.aliquots.aliquot.2.

b e NA's

1 1 597

patient.samples.sample.portions.portion.4.analytes.analyte.2.aliquots.aliquot.2.

2 2.8 NA's

1 1 597

patient.samples.sample.portions.portion.4.analytes.analyte.2.aliquots.aliquot.2.

22 NA's

2 597

patient.samples.sample.portions.portion.4.analytes.analyte.2.aliquots.aliquot.2.

13.3 20 NA's

1 1 597

patient.samples.sample.portions.portion.4.analytes.analyte.2.aliquots.aliquot.2.

2007 NA's

2 597

patient.samples.sample.portions.portion.4.analytes.analyte.2.aliquots.aliquot.3.

tcga-06-0145-01a-04r-0219-01 tcga-06-0148-01a-05r-0232-03

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1

NA's

597

patient.samples.sample.portions.portion.4.analytes.analyte.2.aliquots.aliquot.3.

83012603-b02a-48a6-85e7-bb2deb4845ef 86c7bed7-a6e7-409e-b896-026db6f36b8b

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1

NA's

597

patient.samples.sample.portions.portion.4.analytes.analyte.2.aliquots.aliquot.3.

1 3 NA's

1 1 597

patient.samples.sample.portions.portion.4.analytes.analyte.2.aliquots.aliquot.3.

0.14 0.15 NA's

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1      1      597

patient.samples.sample.portions.portion.4.analytes.analyte.2.aliquots.aliquot.3.
28    29 NA's
1      1      597

patient.samples.sample.portions.portion.4.analytes.analyte.2.aliquots.aliquot.3.
no NA's
2      597

patient.samples.sample.portions.portion.4.analytes.analyte.2.aliquots.aliquot.3.
6      8 NA's
1      1      597

patient.samples.sample.portions.portion.4.analytes.analyte.2.aliquots.aliquot.3.
1      4 NA's
1      1      597

patient.samples.sample.portions.portion.4.analytes.analyte.2.aliquots.aliquot.3.
219   232 NA's
1      1      597

patient.samples.sample.portions.portion.4.analytes.analyte.2.aliquots.aliquot.3.
b      e NA's
1      1      597

patient.samples.sample.portions.portion.4.analytes.analyte.2.aliquots.aliquot.3.
2.34   5 NA's
1      1      597

patient.samples.sample.portions.portion.4.analytes.analyte.2.aliquots.aliquot.3.
22 NA's
2      597

patient.samples.sample.portions.portion.4.analytes.analyte.2.aliquots.aliquot.3.
16.7 33.3 NA's
1      1      597

patient.samples.sample.portions.portion.4.analytes.analyte.2.aliquots.aliquot.3.
2007 NA's
2      597

patient.samples.sample.portions.portion.4.analytes.analyte.2.aliquots.aliquot.4.
tcga-06-0145-01a-04r-0220-02 tcga-06-0148-01a-05r-0233-01
1      1
NA's
597

patient.samples.sample.portions.portion.4.analytes.analyte.2.aliquots.aliquot.4.
6bedd42d-24fc-4f43-93a8-3fb32c771ea1 a376b70c-1368-4ed4-b887-5d243a17ee13
1      1
NA's

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597

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patient.samples.sample.portions.portion.4.analytes.analyte.2.aliquots.aliquot.4.
  1    2 NA's
  1    1 597

patient.samples.sample.portions.portion.4.analytes.analyte.2.aliquots.aliquot.4.
0.14 NA's
  2 597

patient.samples.sample.portions.portion.4.analytes.analyte.2.aliquots.aliquot.4.
28   29 NA's
  1    1 597

patient.samples.sample.portions.portion.4.analytes.analyte.2.aliquots.aliquot.4.
no NA's
  2 597

patient.samples.sample.portions.portion.4.analytes.analyte.2.aliquots.aliquot.4.
  6    8 NA's
  1    1 597

patient.samples.sample.portions.portion.4.analytes.analyte.2.aliquots.aliquot.4.
  1    3 NA's
  1    1 597

patient.samples.sample.portions.portion.4.analytes.analyte.2.aliquots.aliquot.4.
220  233 NA's
  1    1 597

patient.samples.sample.portions.portion.4.analytes.analyte.2.aliquots.aliquot.4.
e NA's
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2.8 4.66 NA's
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22 NA's
  2 597

patient.samples.sample.portions.portion.4.analytes.analyte.2.aliquots.aliquot.4.
20 33.3 NA's
  1    1 597

patient.samples.sample.portions.portion.4.analytes.analyte.2.aliquots.aliquot.4.
2007 NA's
  2 597

patient.samples.sample.portions.portion.4.analytes.analyte.2.aliquots.aliquot.bo
tcga-06-0145-01a-04r-0212-03 tcga-06-0148-01a-05r-0229-07
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1
NA's
597

patient.samples.sample.portions.portion.4.analytes.analyte.2.aliquots.aliquot.bo
025a06b8-85da-4820-a40f-7e120e74834c 822b6a12-f9d7-4bf4-929e-57a403da82ce
1
NA's
597

patient.samples.sample.portions.portion.4.analytes.analyte.2.aliquots.aliquot.ce
3 7 NA's
1 1 597

patient.samples.sample.portions.portion.4.analytes.analyte.2.aliquots.aliquot.co
0.14 0.15 NA's
1 1 597

patient.samples.sample.portions.portion.4.analytes.analyte.2.aliquots.aliquot.da
28 29 NA's
1 1 597

patient.samples.sample.portions.portion.4.analytes.analyte.2.aliquots.aliquot.is
no NA's
2 597

patient.samples.sample.portions.portion.4.analytes.analyte.2.aliquots.aliquot.mo
6 8 NA's
1 1 597

patient.samples.sample.portions.portion.4.analytes.analyte.2.aliquots.aliquot.pl
1 4 NA's
1 1 597

patient.samples.sample.portions.portion.4.analytes.analyte.2.aliquots.aliquot.pl
212 229 NA's
1 1 597

patient.samples.sample.portions.portion.4.analytes.analyte.2.aliquots.aliquot.pl
b e NA's
1 1 597

patient.samples.sample.portions.portion.4.analytes.analyte.2.aliquots.aliquot.qu
1.86 5 NA's
1 1 597

patient.samples.sample.portions.portion.4.analytes.analyte.2.aliquots.aliquot.so
22 NA's
2 597

patient.samples.sample.portions.portion.4.analytes.analyte.2.aliquots.aliquot.vo
13.3 33.3 NA's

1 1 597

patient.samples.sample.portions.portion.4.analytes.analyte.2.aliquots.aliquot.ye
2007 NA's

2 597

patient.samples.sample.portions.portion.4.analytes.analyte.2.amount:

100 NA's

1 598

patient.samples.sample.portions.portion.4.analytes.analyte.2.analyte_type:

rna NA's

2 597

patient.samples.sample.portions.portion.4.analytes.analyte.2.analyte_type_id:

r NA's

2 597

patient.samples.sample.portions.portion.4.analytes.analyte.2.bcr_analyte_barcode

tcga-06-0145-01a-04r tcga-06-0148-01a-05r NA's

1

1

597

patient.samples.sample.portions.portion.4.analytes.analyte.2.bcr_analyte_uuid:

bb9849e3-bc99-48d6-8b52-1ca9df5fec95 fb42860d-6540-408a-9011-545096a1c58d

1

1

NA's

597

patient.samples.sample.portions.portion.4.analytes.analyte.2.bcr_biospecimen_canc

portioning study NA's

2

597

patient.samples.sample.portions.portion.4.analytes.analyte.2.concentration:

0.14 NA's

2 597

patient.samples.sample.portions.portion.4.analytes.analyte.2.gel_image_file:

<https://sharedoc.nchri.org/tcga-bcr/default.aspx>

2

NA's

597

patient.samples.sample.portions.portion.4.analytes.analyte.2.is_derived_from_ffp

no NA's

2 597

patient.samples.sample.portions.portion.4.analytes.analyte.2.protocols.protocol.

allprep rna extraction NA's

2

597

patient.samples.sample.portions.portion.4.analytes.analyte.2.rna_ratio_28s_18s:

1 1.4 NA's

1 1 597

patient.samples.sample.portions.portion.4.analytes.analyte.2.rna.rinvalue:

7 8.7 NA's

1 1 597

patient.samples.sample.portions.portion.4.analytes.analyte.2.spectrophotometer_m

uv spec NA's

2 597

patient.samples.sample.portions.portion.4.analytes.analyte.3.aliquots.aliquot.2.

tcga-06-0148-01a-05w-0250-10 NA's

1 598

patient.samples.sample.portions.portion.4.analytes.analyte.3.aliquots.aliquot.2.

c396eafd-bdd0-4fac-94a7-08f7672e9c82 NA's

1 598

patient.samples.sample.portions.portion.4.analytes.analyte.3.aliquots.aliquot.2.

10 NA's

1 598

patient.samples.sample.portions.portion.4.analytes.analyte.3.aliquots.aliquot.2.

0.5 NA's

1 598

patient.samples.sample.portions.portion.4.analytes.analyte.3.aliquots.aliquot.2.

12 NA's

1 598

patient.samples.sample.portions.portion.4.analytes.analyte.3.aliquots.aliquot.2.

no NA's

1 598

patient.samples.sample.portions.portion.4.analytes.analyte.3.aliquots.aliquot.2.

9 NA's

1 598

patient.samples.sample.portions.portion.4.analytes.analyte.3.aliquots.aliquot.2.

1 NA's

1 598

patient.samples.sample.portions.portion.4.analytes.analyte.3.aliquots.aliquot.2.

250 NA's

1 598

patient.samples.sample.portions.portion.4.analytes.analyte.3.aliquots.aliquot.2.

g NA's

1 598

patient.samples.sample.portions.portion.4.analytes.analyte.3.aliquots.aliquot.2.

200 NA's

1 598

patient.samples.sample.portions.portion.4.analytes.analyte.3.aliquots.aliquot.2.
22 NA's
1 598

patient.samples.sample.portions.portion.4.analytes.analyte.3.aliquots.aliquot.2.
400 NA's
1 598

patient.samples.sample.portions.portion.4.analytes.analyte.3.aliquots.aliquot.2.
2007 NA's
1 598

patient.samples.sample.portions.portion.4.analytes.analyte.3.aliquots.aliquot.3.
tcga-06-0148-01a-05w-0252-09 NA's
1 598

patient.samples.sample.portions.portion.4.analytes.analyte.3.aliquots.aliquot.3.
339849fb-3cf4-4636-94d3-ald75d4967de NA's
1 598

patient.samples.sample.portions.portion.4.analytes.analyte.3.aliquots.aliquot.3.
9 NA's
1 598

patient.samples.sample.portions.portion.4.analytes.analyte.3.aliquots.aliquot.3.
0.5 NA's
1 598

patient.samples.sample.portions.portion.4.analytes.analyte.3.aliquots.aliquot.3.
12 NA's
1 598

patient.samples.sample.portions.portion.4.analytes.analyte.3.aliquots.aliquot.3.
no NA's
1 598

patient.samples.sample.portions.portion.4.analytes.analyte.3.aliquots.aliquot.3.
9 NA's
1 598

patient.samples.sample.portions.portion.4.analytes.analyte.3.aliquots.aliquot.3.
1 NA's
1 598

patient.samples.sample.portions.portion.4.analytes.analyte.3.aliquots.aliquot.3.
252 NA's
1 598

patient.samples.sample.portions.portion.4.analytes.analyte.3.aliquots.aliquot.3.
g NA's

1 598

patient.samples.sample.portions.portion.4.analytes.analyte.3.aliquots.aliquot.3.
200 NA's
1 598

patient.samples.sample.portions.portion.4.analytes.analyte.3.aliquots.aliquot.3.
22 NA's
1 598

patient.samples.sample.portions.portion.4.analytes.analyte.3.aliquots.aliquot.3.
400 NA's
1 598

patient.samples.sample.portions.portion.4.analytes.analyte.3.aliquots.aliquot.3.
2007 NA's
1 598

patient.samples.sample.portions.portion.4.analytes.analyte.3.aliquots.aliquot.4.
tcga-06-0148-01a-05w-0254-08 NA's
1 598

patient.samples.sample.portions.portion.4.analytes.analyte.3.aliquots.aliquot.4.
420248cb-7273-4c71-9bda-2f9decedb587 NA's
1 598

patient.samples.sample.portions.portion.4.analytes.analyte.3.aliquots.aliquot.4.
8 NA's
1 598

patient.samples.sample.portions.portion.4.analytes.analyte.3.aliquots.aliquot.4.
0.5 NA's
1 598

patient.samples.sample.portions.portion.4.analytes.analyte.3.aliquots.aliquot.4.
12 NA's
1 598

patient.samples.sample.portions.portion.4.analytes.analyte.3.aliquots.aliquot.4.
no NA's
1 598

patient.samples.sample.portions.portion.4.analytes.analyte.3.aliquots.aliquot.4.
9 NA's
1 598

patient.samples.sample.portions.portion.4.analytes.analyte.3.aliquots.aliquot.4.
1 NA's
1 598

patient.samples.sample.portions.portion.4.analytes.analyte.3.aliquots.aliquot.4.
254 NA's


```

1 598

patient.samples.sample.portions.portion.4.analytes.analyte.3.aliquots.aliquot.4.
g NA's
1 598

patient.samples.sample.portions.portion.4.analytes.analyte.3.aliquots.aliquot.4.
200 NA's
1 598

patient.samples.sample.portions.portion.4.analytes.analyte.3.aliquots.aliquot.4.
22 NA's
1 598

patient.samples.sample.portions.portion.4.analytes.analyte.3.aliquots.aliquot.4.
400 NA's
1 598

patient.samples.sample.portions.portion.4.analytes.analyte.3.aliquots.aliquot.4.
2007 NA's
1 598

patient.samples.sample.portions.portion.4.analytes.analyte.3.aliquots.aliquot.bo
tcga-06-0145-01a-04t-0213-07 tcga-06-0148-01a-05w-0248-02
1 1
NA's
597

patient.samples.sample.portions.portion.4.analytes.analyte.3.aliquots.aliquot.bo
2add0ce1-23db-4b4a-b4a6-e77e2db362a4 3b41d604-6249-46f7-9b08-ba681bb36606
1 1
NA's
597

patient.samples.sample.portions.portion.4.analytes.analyte.3.aliquots.aliquot.ce
2 7 NA's
1 1 597

patient.samples.sample.portions.portion.4.analytes.analyte.3.aliquots.aliquot.co
0.1 0.5 NA's
1 1 597

patient.samples.sample.portions.portion.4.analytes.analyte.3.aliquots.aliquot.da
12 28 NA's
1 1 597

patient.samples.sample.portions.portion.4.analytes.analyte.3.aliquots.aliquot.is
no NA's
2 597

patient.samples.sample.portions.portion.4.analytes.analyte.3.aliquots.aliquot.mo
6 9 NA's

```

```

1      1      597

patient.samples.sample.portions.portion.4.analytes.analyte.3.aliquots.aliquot.pl
1      9 NA's
1      1      597

patient.samples.sample.portions.portion.4.analytes.analyte.3.aliquots.aliquot.pl
213  248 NA's
1      1      597

patient.samples.sample.portions.portion.4.analytes.analyte.3.aliquots.aliquot.pl
b      g NA's
1      1      597

patient.samples.sample.portions.portion.4.analytes.analyte.3.aliquots.aliquot.qu
2      14 NA's
1      1      597

patient.samples.sample.portions.portion.4.analytes.analyte.3.aliquots.aliquot.sc
22 NA's
2      597

patient.samples.sample.portions.portion.4.analytes.analyte.3.aliquots.aliquot.vo
20      28 NA's
1      1      597

patient.samples.sample.portions.portion.4.analytes.analyte.3.aliquots.aliquot.ye
2007 NA's
2      597

patient.samples.sample.portions.portion.4.analytes.analyte.3.amount:
0      80 NA's
1      1      597

patient.samples.sample.portions.portion.4.analytes.analyte.3.analyte_type:
repli-g (qiagen) dna          total rna          NA's
1                      1                      597

patient.samples.sample.portions.portion.4.analytes.analyte.3.analyte_type_id:
t      w NA's
1      1      597

patient.samples.sample.portions.portion.4.analytes.analyte.3.bcr_analyte_barcode
tcga-06-0145-01a-04t tcga-06-0148-01a-05w          NA's
1                      1                      597

patient.samples.sample.portions.portion.4.analytes.analyte.3.bcr_analyte_uuid:
0e814c9d-4e4b-43b0-b037-85111d1b247f 310c3b55-e5e7-4839-9a42-3d020e51d57a
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NA's
597

```

patient.samples.sample.portions.portion.4.analytes.analyte.3.bcr_biospecimen_cancer_portioning_study NA's
2 597

patient.samples.sample.portions.portion.4.analytes.analyte.3.concentration: 0.48 0.5 NA's
1 1 597

patient.samples.sample.portions.portion.4.analytes.analyte.3.dna.normal_tumor_genes yes NA's
1 598

patient.samples.sample.portions.portion.4.analytes.analyte.3.dna.pcr_amplification no NA's
1 598

patient.samples.sample.portions.portion.4.analytes.analyte.3.gel_image_file: https://sharedoc.nchri.org/tcga-bcr/default.aspx
2
NA's
597

patient.samples.sample.portions.portion.4.analytes.analyte.3.is_derived_from_ffp no NA's
2 597

patient.samples.sample.portions.portion.4.analytes.analyte.3.protocols.protocol.repli-g total rna NA's
1 1 597

patient.samples.sample.portions.portion.4.analytes.analyte.3.spectrophotometer_measurement uv spec NA's
2 597

patient.samples.sample.portions.portion.4.analytes.analyte.4.aliquots.aliquot.2.tcga-06-0145-01a-04w-0224-08 NA's
1 598

patient.samples.sample.portions.portion.4.analytes.analyte.4.aliquots.aliquot.2.c713a79c-1a8f-455f-96be-b037ede3b7f8 NA's
1 598

patient.samples.sample.portions.portion.4.analytes.analyte.4.aliquots.aliquot.2.8 NA's
1 598

patient.samples.sample.portions.portion.4.analytes.analyte.4.aliquots.aliquot.2.0.5 NA's
1 598

patient.samples.sample.portions.portion.4.analytes.analyte.4.aliquots.aliquot.2.18 NA's

1 598
 patient.samples.sample.portions.portion.4.analytes.analyte.4.aliquots.aliquot.2.
 no NA's
 1 598
 patient.samples.sample.portions.portion.4.analytes.analyte.4.aliquots.aliquot.2.
 7 NA's
 1 598
 patient.samples.sample.portions.portion.4.analytes.analyte.4.aliquots.aliquot.2.
 4 NA's
 1 598
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1 598

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22 NA's

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patient.samples.sample.portions.portion.4.analytes.analyte.4.aliquots.aliquot.ye

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patient.samples.sample.portions.portion.4.analytes.analyte.4.spectrophotometer_m
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patient.samples.sample.portions.portion.4.analytes.analyte.aliquots.aliquot.2.bo
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patient.samples.sample.portions.portion.4.analytes.analyte.aliquots.aliquot.2.ce

1 4 NA's
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patient.samples.sample.portions.portion.4.analytes.analyte.aliquots.aliquot.2.co
 0.14 0.15 NA's

1 1 597

patient.samples.sample.portions.portion.4.analytes.analyte.aliquots.aliquot.2.da

28 29 NA's
 1 1 597

patient.samples.sample.portions.portion.4.analytes.analyte.aliquots.aliquot.2.is

no NA's
 2 597

patient.samples.sample.portions.portion.4.analytes.analyte.aliquots.aliquot.2.mo

6 8 NA's
 1 1 597

patient.samples.sample.portions.portion.4.analytes.analyte.aliquots.aliquot.2.pl

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patient.samples.sample.portions.portion.4.analytes.analyte.aliquots.aliquot.2.pl

215 236 NA's
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patient.samples.sample.portions.portion.4.analytes.analyte.aliquots.aliquot.2.pl

b h NA's
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1.4 5 NA's
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patient.samples.sample.portions.portion.4.analytes.analyte.aliquots.aliquot.2.so

22 NA's
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patient.samples.sample.portions.portion.4.analytes.analyte.aliquots.aliquot.2.vo
 10 33.3 NA's
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patient.samples.sample.portions.portion.4.analytes.analyte.aliquots.aliquot.2.ye
 2007 NA's
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patient.samples.sample.portions.portion.4.analytes.analyte.aliquots.aliquot.3.da
 28 29 NA's
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patient.samples.sample.portions.portion.4.analytes.analyte.aliquots.aliquot.3.is
 no NA's
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patient.samples.sample.portions.portion.4.analytes.analyte.aliquots.aliquot.3.mo
 6 8 NA's
 1 1 597

patient.samples.sample.portions.portion.4.analytes.analyte.aliquots.aliquot.3.pl
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patient.samples.sample.portions.portion.4.analytes.analyte.aliquots.aliquot.3.pl
 216 238 NA's
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patient.samples.sample.portions.portion.4.analytes.analyte.aliquots.aliquot.3.pl
 b h NA's
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 3 5.6 NA's
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patient.samples.sample.portions.portion.4.analytes.analyte.aliquots.aliquot.3.so
 22 NA's
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patient.samples.sample.portions.portion.4.analytes.analyte.aliquots.aliquot.3.vo
 20 40 NA's
 1 1 597

patient.samples.sample.portions.portion.4.analytes.analyte.aliquots.aliquot.3.ye
 2007 NA's
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patient.samples.sample.portions.portion.4.analytes.analyte.aliquots.aliquot.4.bo
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patient.samples.sample.portions.portion.4.analytes.analyte.aliquots.aliquot.4.ce
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patient.samples.sample.portions.portion.4.analytes.analyte.aliquots.aliquot.4.co
 0.14 0.16 NA's
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patient.samples.sample.portions.portion.4.analytes.analyte.aliquots.aliquot.4.da
 28 29 NA's
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patient.samples.sample.portions.portion.4.analytes.analyte.aliquots.aliquot.4.is
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patient.samples.sample.portions.portion.4.analytes.analyte.aliquots.aliquot.4.mo
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patient.samples.sample.portions.portion.4.analytes.analyte.aliquots.aliquot.4.pl
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patient.samples.sample.portions.portion.4.analytes.analyte.aliquots.aliquot.4.pl
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patient.samples.sample.portions.portion.4.analytes.analyte.aliquots.aliquot.5.bo
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patient.samples.sample.portions.portion.4.analytes.analyte.aliquots.aliquot.5.da
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 16.7 33.3 NA's
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 2010 NA's
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patient.samples.sample.portions.portion.4.analytes.analyte.aliquots.aliquot.7.da
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patient.samples.sample.portions.portion.4.analytes.analyte.aliquots.aliquot.7.is
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patient.samples.sample.portions.portion.4.analytes.analyte.aliquots.aliquot.7.mo
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NA's
597

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no NA's
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6 8 NA's
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patient.samples.sample.portions.portion.4.analytes.analyte.aliquots.aliquot.plat

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patient.samples.sample.portions.portion.4.analytes.analyte.aliquots.aliquot.plat

214 234 NA's
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22 NA's
2 597

patient.samples.sample.portions.portion.4.analytes.analyte.aliquots.aliquot.volu

13.3 33.3 NA's
1 1 597

patient.samples.sample.portions.portion.4.analytes.analyte.aliquots.aliquot.year:
 2007 NA's
 2 597

patient.samples.sample.portions.portion.4.analytes.analyte.amount:
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 NA's
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patient.samples.sample.portions.portion.4.analytes.analyte.bcr_biospecimen_canonical_portioning_study NA's
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patient.samples.sample.portions.portion.4.analytes.analyte.concentration:
 0.14 0.16 NA's
 1 1 597

patient.samples.sample.portions.portion.4.analytes.analyte.dna.normal_tumor_genes yes NA's
 2 597

patient.samples.sample.portions.portion.4.analytes.analyte.dna.pcr_amplification yes NA's
 2 597

patient.samples.sample.portions.portion.4.analytes.analyte.gel_image_file:
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 2
 NA's
 597

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uv spec NA's
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41587777-1901-4fb6-8f6d-d6190c3479f5 5e3d406c-1526-4dac-b4a2-95d88adc3888
1 1
NA's
597

patient.samples.sample.portions.portion.4.day_of_creation:
4 NA's
2 597

patient.samples.sample.portions.portion.4.is_ffpe:
no NA's
2 597

patient.samples.sample.portions.portion.4.month_of_creation:
2 NA's
2 597

patient.samples.sample.portions.portion.4.portion_number:
4 5 NA's
1 1 597

patient.samples.sample.portions.portion.4.slides.slide.2.bcr_slide_barcode:
tcga-06-0145-01a-04-bs4 tcga-06-0148-01a-05-bs5 NA's
1 1 597

patient.samples.sample.portions.portion.4.slides.slide.2.bcr_slide_uuid:
074dae2c-3292-4459-8a0c-c05185407389 35af777a-905c-495a-a4d5-f7bc302a5cb7
1 1
NA's
597

patient.samples.sample.portions.portion.4.slides.slide.2.image_file_name:
tcga-06-0145-01a-04-bs4.35af777a-905c-495a-a4d5-f7bc302a5cb7.svs
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tcga-06-0148-01a-05-bs5.074dae2c-3292-4459-8a0c-c05185407389.svs
1
NA's
597

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patient.samples.sample.portions.portion.4.slides.slide.2.is_derived_from_ffpe:
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  2  597

patient.samples.sample.portions.portion.4.slides.slide.2.percent_lymphocyte_infi
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  2  597

patient.samples.sample.portions.portion.4.slides.slide.2.percent_monocyte_infilt
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  2  597

patient.samples.sample.portions.portion.4.slides.slide.2.percent_necrosis:
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  1  1  597

patient.samples.sample.portions.portion.4.slides.slide.2.percent_neutrophil_infi
  0 NA's
  2  597

patient.samples.sample.portions.portion.4.slides.slide.2.percent_normal_cells:
  0 NA's
  2  597

patient.samples.sample.portions.portion.4.slides.slide.2.percent_stromal_cells:
  0 NA's
  2  597

patient.samples.sample.portions.portion.4.slides.slide.2.percent_tumor_cells:
  75  95 NA's
  1  1  597

patient.samples.sample.portions.portion.4.slides.slide.2.percent_tumor_nuclei:
  100 NA's
  2  597

patient.samples.sample.portions.portion.4.slides.slide.2.section_location:
bottom  NA's
  2  597

patient.samples.sample.portions.portion.4.slides.slide.bcr_slide_barcode:
tcga-06-0145-01a-03-bs3 tcga-06-0148-01a-04-bs4  NA's
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  1  1
  NA's
  597

patient.samples.sample.portions.portion.4.slides.slide.image_file_name:
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tcga-06-0148-01a-04-bs4.c2c8f4dd-06d2-46cb-bc41-58b001adcb01.svs
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1
NA's
597

patient.samples.sample.portions.portion.4.slides.slide.is_derived_from_ffpe:
no NA's
2 597

patient.samples.sample.portions.portion.4.slides.slide.percent_lymphocyte_infiltrate:
0 NA's
2 597

patient.samples.sample.portions.portion.4.slides.slide.percent_monocyte_infiltrate:
0 NA's
2 597

patient.samples.sample.portions.portion.4.slides.slide.percent_necrosis:
5 20 NA's
1 1 597

patient.samples.sample.portions.portion.4.slides.slide.percent_neutrophil_infiltrate:
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2 597

patient.samples.sample.portions.portion.4.slides.slide.percent_normal_cells:
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2 597

patient.samples.sample.portions.portion.4.slides.slide.percent_stromal_cells:
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2 597

patient.samples.sample.portions.portion.4.slides.slide.percent_tumor_cells:
80 95 NA's
1 1 597

patient.samples.sample.portions.portion.4.slides.slide.percent_tumor_nuclei:
100 NA's
2 597

patient.samples.sample.portions.portion.4.slides.slide.section_location:
top NA's
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patient.samples.sample.portions.portion.4.year_of_creation:
2009 NA's
2 597

patient.samples.sample.portions.portion.5.analytes.analyte.2.a260_a280_ratio:
1.84 NA's
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1 598

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tcga-06-0145-01a-05r-0213-07 NA's
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b6988e2b-5610-4f5f-a026-e7a605747c9f NA's
1 598

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7 NA's
1 598

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0.15 NA's
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patient.samples.sample.portions.portion.5.analytes.analyte.2.aliquots.aliquot.2.
28 NA's
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no NA's
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6 NA's
1 598

patient.samples.sample.portions.portion.5.analytes.analyte.2.aliquots.aliquot.2.
4 NA's
1 598

patient.samples.sample.portions.portion.5.analytes.analyte.2.aliquots.aliquot.2.
213 NA's
1 598

patient.samples.sample.portions.portion.5.analytes.analyte.2.aliquots.aliquot.2.
c NA's
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2 NA's
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22 NA's
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13.3 NA's

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2007 NA's

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tcga-06-0145-01a-05r-0219-01 NA's

1 598

patient.samples.sample.portions.portion.5.analytes.analyte.2.aliquots.aliquot.3.
dcde4313-f777-4726-8119-b118d6293040 NA's

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0.15 NA's

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6 NA's

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22 NA's

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33.3 NA's

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tcga-06-0145-01a-05r-0220-02 NA's

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598

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1

598

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2007 NA's
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tcga-06-0145-01a-05r-0212-03 NA's
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0ab41602-a7ce-4529-95ea-d98f034e4d42 NA's
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33.3 NA's
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patient.samples.sample.portions.portion.5.analytes.analyte.2.aliquots.aliquot.ye
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NA's
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patient.samples.sample.portions.portion.5.analytes.analyte.2.rna.ratio_28s_18s:
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patient.samples.sample.portions.portion.5.analytes.analyte.2.rna.rinvalue:
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patient.samples.sample.portions.portion.5.analytes.analyte.2.spectrophotometer_m
 uv spec NA's
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2 NA's
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patient.samples.sample.portions.portion.5.analytes.analyte.3.gel_image_file:
<https://sharedoc.nchri.org/tcga-bcr/default.aspx>

1
 NA's
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patient.samples.sample.portions.portion.5.analytes.analyte.3.is_derived_from_ffp

no NA's
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patient.samples.sample.portions.portion.5.analytes.analyte.3.protocols.protocol.

total rna NA's
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patient.samples.sample.portions.portion.5.analytes.analyte.3.spectrophotometer_m

uv spec NA's
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patient.samples.sample.portions.portion.5.analytes.analyte.4.aliquots.aliquot.2.

tcga-06-0145-01a-05w-0224-08 NA's
 1 598

patient.samples.sample.portions.portion.5.analytes.analyte.4.aliquots.aliquot.2.

697f25be-24f8-4efe-9e45-a2befc4b84cb NA's
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patient.samples.sample.portions.portion.5.analytes.analyte.4.aliquots.aliquot.2.

8 NA's
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0.5 NA's
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18 NA's
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no NA's
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7 NA's
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patient.samples.sample.portions.portion.5.analytes.analyte.4.aliquots.aliquot.2.

4 NA's
 1 598

patient.samples.sample.portions.portion.5.analytes.analyte.4.aliquots.aliquot.2.

224 NA's

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f NA's
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patient.samples.sample.portions.portion.5.analytes.analyte.4.aliquots.aliquot.2.
200 NA's
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22 NA's
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patient.samples.sample.portions.portion.5.analytes.analyte.4.aliquots.aliquot.2.
400 NA's
1 598
patient.samples.sample.portions.portion.5.analytes.analyte.4.aliquots.aliquot.2.
2007 NA's
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patient.samples.sample.portions.portion.5.analytes.analyte.4.aliquots.aliquot.3.
tcga-06-0145-01a-05w-0225-09 NA's
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957d8075-3b5a-4672-a277-5393dd252a87 NA's
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patient.samples.sample.portions.portion.5.analytes.analyte.4.aliquots.aliquot.3.
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7 NA's
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patient.samples.sample.portions.portion.5.analytes.analyte.4.aliquots.aliquot.3.
4 NA's

1 598

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225 NA's
1 598

patient.samples.sample.portions.portion.5.analytes.analyte.4.aliquots.aliquot.3.
f NA's
1 598

patient.samples.sample.portions.portion.5.analytes.analyte.4.aliquots.aliquot.3.
200 NA's
1 598

patient.samples.sample.portions.portion.5.analytes.analyte.4.aliquots.aliquot.3.
22 NA's
1 598

patient.samples.sample.portions.portion.5.analytes.analyte.4.aliquots.aliquot.3.
400 NA's
1 598

patient.samples.sample.portions.portion.5.analytes.analyte.4.aliquots.aliquot.3.
2007 NA's
1 598

patient.samples.sample.portions.portion.5.analytes.analyte.4.aliquots.aliquot.4.
tcga-06-0145-01a-05w-0226-02 NA's
1 598

patient.samples.sample.portions.portion.5.analytes.analyte.4.aliquots.aliquot.4.
42436754-1fa0-47ed-8547-e990f4736c12 NA's
1 598

patient.samples.sample.portions.portion.5.analytes.analyte.4.aliquots.aliquot.4.
2 NA's
1 598

patient.samples.sample.portions.portion.5.analytes.analyte.4.aliquots.aliquot.4.
0.5 NA's
1 598

patient.samples.sample.portions.portion.5.analytes.analyte.4.aliquots.aliquot.4.
18 NA's
1 598

patient.samples.sample.portions.portion.5.analytes.analyte.4.aliquots.aliquot.4.
no NA's
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patient.samples.sample.portions.portion.5.analytes.analyte.4.aliquots.aliquot.4.
7 NA's

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patient.samples.sample.portions.portion.5.analytes.analyte.4.aliquots.aliquot.4.
4 NA's
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patient.samples.sample.portions.portion.5.analytes.analyte.4.aliquots.aliquot.4.
226 NA's
1 598
patient.samples.sample.portions.portion.5.analytes.analyte.4.aliquots.aliquot.4.
f NA's
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patient.samples.sample.portions.portion.5.analytes.analyte.4.aliquots.aliquot.4.
14 NA's
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patient.samples.sample.portions.portion.5.analytes.analyte.4.aliquots.aliquot.4.
22 NA's
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patient.samples.sample.portions.portion.5.analytes.analyte.4.aliquots.aliquot.4.
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tcga-06-0145-01a-05w-0223-10 NA's
1 598
patient.samples.sample.portions.portion.5.analytes.analyte.4.aliquots.aliquot.bo
e6f21cd4-120f-4885-8ce7-3b47dd7b154b NA's
1 598
patient.samples.sample.portions.portion.5.analytes.analyte.4.aliquots.aliquot.ce
10 NA's
1 598
patient.samples.sample.portions.portion.5.analytes.analyte.4.aliquots.aliquot.co
0.5 NA's
1 598
patient.samples.sample.portions.portion.5.analytes.analyte.4.aliquots.aliquot.da
18 NA's
1 598
patient.samples.sample.portions.portion.5.analytes.analyte.4.aliquots.aliquot.is
no NA's

```

1 598

patient.samples.sample.portions.portion.5.analytes.analyte.4.aliquots.aliquot.mo
7 NA's
1 598

patient.samples.sample.portions.portion.5.analytes.analyte.4.aliquots.aliquot.pl
4 NA's
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223 NA's
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patient.samples.sample.portions.portion.5.analytes.analyte.4.aliquots.aliquot.pl
f NA's
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patient.samples.sample.portions.portion.5.analytes.analyte.4.aliquots.aliquot.qu
200 NA's
1 598

patient.samples.sample.portions.portion.5.analytes.analyte.4.aliquots.aliquot.so
22 NA's
1 598

patient.samples.sample.portions.portion.5.analytes.analyte.4.aliquots.aliquot.vo
400 NA's
1 598

patient.samples.sample.portions.portion.5.analytes.analyte.4.aliquots.aliquot.ye
2007 NA's
1 598

patient.samples.sample.portions.portion.5.analytes.analyte.4.amount:
0 NA's
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patient.samples.sample.portions.portion.5.analytes.analyte.4.analyte_type:
repli-g (qiagen) dna NA's
1 598

patient.samples.sample.portions.portion.5.analytes.analyte.4.analyte_type_id:
w NA's
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patient.samples.sample.portions.portion.5.analytes.analyte.4.bcr_analyte_barcode
tcga-06-0145-01a-05w NA's
1 598

patient.samples.sample.portions.portion.5.analytes.analyte.4.bcr_analyte_uuid:
98bed26d-a4f0-42ca-83a4-b73c90a4a121 NA's

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598

patient.samples.sample.portions.portion.5.analytes.analyte.4.concentration:
0.5 NA's
1 598

patient.samples.sample.portions.portion.5.analytes.analyte.4.dna.normal_tumor_ge
yes NA's
1 598

patient.samples.sample.portions.portion.5.analytes.analyte.4.dna.pcr_amplificati
no NA's
1 598

patient.samples.sample.portions.portion.5.analytes.analyte.4.gel_image_file:
<https://sharedoc.nchri.org/tcga-bcr/default.aspx>
1
NA's
598

patient.samples.sample.portions.portion.5.analytes.analyte.4.is_derived_from_ffp
no NA's
1 598

patient.samples.sample.portions.portion.5.analytes.analyte.4.protocols.protocol.
repli-g NA's
1 598

patient.samples.sample.portions.portion.5.analytes.analyte.4.spectrophotometer_m
uv spec NA's
1 598

patient.samples.sample.portions.portion.5.analytes.analyte.a260_a280_ratio:
1.93 NA's
1 598

patient.samples.sample.portions.portion.5.analytes.analyte.aliquots.aliquot.2.bo
tcga-06-0145-01a-05d-0215-04 NA's
1 598

patient.samples.sample.portions.portion.5.analytes.analyte.aliquots.aliquot.2.bo
1c61cd77-7fa0-41e8-8985-7e0904da868d NA's
1 598

patient.samples.sample.portions.portion.5.analytes.analyte.aliquots.aliquot.2.ce
4 NA's
1 598

patient.samples.sample.portions.portion.5.analytes.analyte.aliquots.aliquot.2.co
0.15 NA's
1 598

patient.samples.sample.portions.portion.5.analytes.analyte.aliquots.aliquot.2.da
 28 NA's
 1 598

patient.samples.sample.portions.portion.5.analytes.analyte.aliquots.aliquot.2.is
 no NA's
 1 598

patient.samples.sample.portions.portion.5.analytes.analyte.aliquots.aliquot.2.mo
 6 NA's
 1 598

patient.samples.sample.portions.portion.5.analytes.analyte.aliquots.aliquot.2.pl
 4 NA's
 1 598

patient.samples.sample.portions.portion.5.analytes.analyte.aliquots.aliquot.2.pl
 215 NA's
 1 598

patient.samples.sample.portions.portion.5.analytes.analyte.aliquots.aliquot.2.pl
 c NA's
 1 598

patient.samples.sample.portions.portion.5.analytes.analyte.aliquots.aliquot.2.qu
 5 NA's
 1 598

patient.samples.sample.portions.portion.5.analytes.analyte.aliquots.aliquot.2.so
 22 NA's
 1 598

patient.samples.sample.portions.portion.5.analytes.analyte.aliquots.aliquot.2.vo
 33.3 NA's
 1 598

patient.samples.sample.portions.portion.5.analytes.analyte.aliquots.aliquot.2.ye
 2007 NA's
 1 598

patient.samples.sample.portions.portion.5.analytes.analyte.aliquots.aliquot.3.bo
 tcga-06-0145-01a-05d-0216-06 NA's
 1 598

patient.samples.sample.portions.portion.5.analytes.analyte.aliquots.aliquot.3.bo
 ca6c67e6-3246-4039-b47f-d16934089a18 NA's
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patient.samples.sample.portions.portion.5.analytes.analyte.aliquots.aliquot.3.ce
 6 NA's
 1 598

patient.samples.sample.portions.portion.5.analytes.analyte.aliquots.aliquot.3.co
 0.15 NA's
 1 598

patient.samples.sample.portions.portion.5.analytes.analyte.aliquots.aliquot.3.da
 28 NA's
 1 598

patient.samples.sample.portions.portion.5.analytes.analyte.aliquots.aliquot.3.is
 no NA's
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patient.samples.sample.portions.portion.5.analytes.analyte.aliquots.aliquot.3.mo
 6 NA's
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patient.samples.sample.portions.portion.5.analytes.analyte.aliquots.aliquot.3.pl
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 216 NA's
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patient.samples.sample.portions.portion.5.analytes.analyte.aliquots.aliquot.3.pl
 c NA's
 1 598

patient.samples.sample.portions.portion.5.analytes.analyte.aliquots.aliquot.3.qu
 3 NA's
 1 598

patient.samples.sample.portions.portion.5.analytes.analyte.aliquots.aliquot.3.so
 22 NA's
 1 598

patient.samples.sample.portions.portion.5.analytes.analyte.aliquots.aliquot.3.vo
 20 NA's
 1 598

patient.samples.sample.portions.portion.5.analytes.analyte.aliquots.aliquot.3.ye
 2007 NA's
 1 598

patient.samples.sample.portions.portion.5.analytes.analyte.aliquots.aliquot.4.bo
 tcga-06-0145-01a-05d-0217-02 NA's
 1 598

patient.samples.sample.portions.portion.5.analytes.analyte.aliquots.aliquot.4.bo
 ecea1581-dc7e-4121-90ee-353a099db4b3 NA's
 1 598

patient.samples.sample.portions.portion.5.analytes.analyte.aliquots.aliquot.4.ce
2 NA's
1 598

patient.samples.sample.portions.portion.5.analytes.analyte.aliquots.aliquot.4.co
0.13 NA's
1 598

patient.samples.sample.portions.portion.5.analytes.analyte.aliquots.aliquot.4.da
28 NA's
1 598

patient.samples.sample.portions.portion.5.analytes.analyte.aliquots.aliquot.4.is
no NA's
1 598

patient.samples.sample.portions.portion.5.analytes.analyte.aliquots.aliquot.4.mo
6 NA's
1 598

patient.samples.sample.portions.portion.5.analytes.analyte.aliquots.aliquot.4.pl
5 NA's
1 598

patient.samples.sample.portions.portion.5.analytes.analyte.aliquots.aliquot.4.pl
217 NA's
1 598

patient.samples.sample.portions.portion.5.analytes.analyte.aliquots.aliquot.4.pl
g NA's
1 598

patient.samples.sample.portions.portion.5.analytes.analyte.aliquots.aliquot.4.qu
4.33 NA's
1 598

patient.samples.sample.portions.portion.5.analytes.analyte.aliquots.aliquot.4.so
22 NA's
1 598

patient.samples.sample.portions.portion.5.analytes.analyte.aliquots.aliquot.4.vo
33.3 NA's
1 598

patient.samples.sample.portions.portion.5.analytes.analyte.aliquots.aliquot.4.ye
2007 NA's
1 598

patient.samples.sample.portions.portion.5.analytes.analyte.aliquots.aliquot.5.bo
tcga-06-0145-01a-05d-0218-05 NA's
1 598

patient.samples.sample.portions.portion.5.analytes.analyte.aliquots.aliquot.5.bo
c14eb1ff-a98e-4e09-8216-fb1c37bc5c3b NA's
1 598

patient.samples.sample.portions.portion.5.analytes.analyte.aliquots.aliquot.5.ce
5 NA's
1 598

patient.samples.sample.portions.portion.5.analytes.analyte.aliquots.aliquot.5.co
0.13 NA's
1 598

patient.samples.sample.portions.portion.5.analytes.analyte.aliquots.aliquot.5.da
28 NA's
1 598

patient.samples.sample.portions.portion.5.analytes.analyte.aliquots.aliquot.5.is
no NA's
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patient.samples.sample.portions.portion.5.analytes.analyte.aliquots.aliquot.5.mo
6 NA's
1 598

patient.samples.sample.portions.portion.5.analytes.analyte.aliquots.aliquot.5.pl
4 NA's
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patient.samples.sample.portions.portion.5.analytes.analyte.aliquots.aliquot.5.pl
218 NA's
1 598

patient.samples.sample.portions.portion.5.analytes.analyte.aliquots.aliquot.5.pl
c NA's
1 598

patient.samples.sample.portions.portion.5.analytes.analyte.aliquots.aliquot.5.qu
4.33 NA's
1 598

patient.samples.sample.portions.portion.5.analytes.analyte.aliquots.aliquot.5.so
22 NA's
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patient.samples.sample.portions.portion.5.analytes.analyte.aliquots.aliquot.5.vo
33.3 NA's
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patient.samples.sample.portions.portion.5.analytes.analyte.aliquots.aliquot.5.ye
2007 NA's
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patient.samples.sample.portions.portion.5.analytes.analyte.aliquots.aliquot.6.bo
 tcga-06-0145-01a-05d-1003-01 NA's
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 7f812173-0cef-42ff-bffb-6eb62a4b3340 NA's
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patient.samples.sample.portions.portion.5.analytes.analyte.aliquots.aliquot.6.co
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patient.samples.sample.portions.portion.5.analytes.analyte.aliquots.aliquot.6.da
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patient.samples.sample.portions.portion.5.analytes.analyte.aliquots.aliquot.6.is
 no NA's
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patient.samples.sample.portions.portion.5.analytes.analyte.aliquots.aliquot.6.mo
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patient.samples.sample.portions.portion.5.analytes.analyte.aliquots.aliquot.6.pl
 1003 NA's
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patient.samples.sample.portions.portion.5.analytes.analyte.aliquots.aliquot.6.pl
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patient.samples.sample.portions.portion.5.analytes.analyte.aliquots.aliquot.6.qu
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patient.samples.sample.portions.portion.5.analytes.analyte.aliquots.aliquot.6.so
 22 NA's
 1 598

patient.samples.sample.portions.portion.5.analytes.analyte.aliquots.aliquot.6.vo
3.33 NA's
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patient.samples.sample.portions.portion.5.analytes.analyte.aliquots.aliquot.6.ye
2010 NA's
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patient.samples.sample.portions.portion.5.analytes.analyte.aliquots.aliquot.7.bo
tcga-06-0145-01a-05d-1490-08 NA's
1 598

patient.samples.sample.portions.portion.5.analytes.analyte.aliquots.aliquot.7.bo
c75b7e96-b1e5-4f45-a7a6-7079d4872f64 NA's
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1049950530 NA's
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patient.samples.sample.portions.portion.5.analytes.analyte.aliquots.aliquot.7.ce
8 NA's
1 598

patient.samples.sample.portions.portion.5.analytes.analyte.aliquots.aliquot.7.co
0.05 NA's
1 598

patient.samples.sample.portions.portion.5.analytes.analyte.aliquots.aliquot.7.da
3 NA's
1 598

patient.samples.sample.portions.portion.5.analytes.analyte.aliquots.aliquot.7.is
no NA's
1 598

patient.samples.sample.portions.portion.5.analytes.analyte.aliquots.aliquot.7.mo
1 NA's
1 598

patient.samples.sample.portions.portion.5.analytes.analyte.aliquots.aliquot.7.pl
5 NA's
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patient.samples.sample.portions.portion.5.analytes.analyte.aliquots.aliquot.7.pl
1490 NA's
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h NA's
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patient.samples.sample.portions.portion.5.analytes.analyte.aliquots.aliquot.7.qu
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patient.samples.sample.portions.portion.5.analytes.analyte.aliquots.aliquot.7.so
 22 NA's
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patient.samples.sample.portions.portion.5.analytes.analyte.aliquots.aliquot.7.vo
 40 NA's
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patient.samples.sample.portions.portion.5.analytes.analyte.aliquots.aliquot.7.ye
 2011 NA's
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patient.samples.sample.portions.portion.5.analytes.analyte.aliquots.aliquot.bcr_
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 NA's
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patient.samples.sample.portions.portion.5.analytes.analyte.aliquots.aliquot.bcr_
 bf1bd21e-1d51-4abd-9257-6194fe2d60c0 ea39eed2-1f1f-4258-bd34-2b2eff7cccaa
 1 1
 NA's
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patient.samples.sample.portions.portion.5.analytes.analyte.aliquots.aliquot.cent
 1 7 NA's
 1 1 597

patient.samples.sample.portions.portion.5.analytes.analyte.aliquots.aliquot.conc
 0.1 0.15 NA's
 1 1 597

patient.samples.sample.portions.portion.5.analytes.analyte.aliquots.aliquot.day_
 28 29 NA's
 1 1 597

patient.samples.sample.portions.portion.5.analytes.analyte.aliquots.aliquot.is_d
 no NA's
 2 597

patient.samples.sample.portions.portion.5.analytes.analyte.aliquots.aliquot.mont
 6 8 NA's
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patient.samples.sample.portions.portion.5.analytes.analyte.aliquots.aliquot.plat
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 1 1 597


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patient.samples.sample.portions.portion.5.analytes.analyte.aliquots.aliquot.plat
214 230 NA's
1 1 597

patient.samples.sample.portions.portion.5.analytes.analyte.aliquots.aliquot.plat
c d NA's
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patient.samples.sample.portions.portion.5.analytes.analyte.aliquots.aliquot.quan
1 2 NA's
1 1 597

patient.samples.sample.portions.portion.5.analytes.analyte.aliquots.aliquot.sour
22 NA's
2 597

patient.samples.sample.portions.portion.5.analytes.analyte.aliquots.aliquot.volu
10 13.3 NA's
1 1 597

patient.samples.sample.portions.portion.5.analytes.analyte.aliquots.aliquot.year
2007 NA's
2 597

patient.samples.sample.portions.portion.5.analytes.analyte.amount:
83.37 100 NA's
1 1 597

patient.samples.sample.portions.portion.5.analytes.analyte.analyte_type:
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1 1 597

patient.samples.sample.portions.portion.5.analytes.analyte.analyte_type_id:
d t NA's
1 1 597

patient.samples.sample.portions.portion.5.analytes.analyte.bcr_analyte_barcode:
tcga-06-0145-01a-05d tcga-06-0148-01a-07t NA's
1 1 597

patient.samples.sample.portions.portion.5.analytes.analyte.bcr_analyte_uuid:
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NA's
597

patient.samples.sample.portions.portion.5.analytes.analyte.bcr_biospecimen_canon
portioning study NA's
1 598

patient.samples.sample.portions.portion.5.analytes.analyte.concentration:
0.1 0.13 NA's

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1 1 597

patient.samples.sample.portions.portion.5.analytes.analyte.dna.normal_tumor_genome
yes NA's

1 598

patient.samples.sample.portions.portion.5.analytes.analyte.dna.pcr_amplification
yes NA's

1 598

patient.samples.sample.portions.portion.5.analytes.analyte.gel_image_file:
<https://sharedoc.nchri.org/tcga-bcr/default.aspx>

2

NA's

597

patient.samples.sample.portions.portion.5.analytes.analyte.is_derived_from_ffpe:
no NA's

2 597

patient.samples.sample.portions.portion.5.analytes.analyte.protocols.protocol.execution
adna preparation type total rna NA's

1

1

NA's

597

patient.samples.sample.portions.portion.5.analytes.analyte.spectrophotometer_measurement
uv spec NA's

2 597

patient.samples.sample.portions.portion.5.bcr_portion_barcode:
tcga-06-0145-01a-05 tcga-06-0148-01a-07 NA's

1

1

NA's

597

patient.samples.sample.portions.portion.5.bcr_portion_uuid:
cba20613-0c1f-4784-8d02-5504f7353a8a d6803061-927e-4c95-b11e-6b7392d9673f

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1

NA's

597

patient.samples.sample.portions.portion.5.day_of_creation:

4 NA's

2 597

patient.samples.sample.portions.portion.5.is_ffpe:

no NA's

2 597

patient.samples.sample.portions.portion.5.month_of_creation:

2 NA's

2 597

patient.samples.sample.portions.portion.5.portion_number:

5 7 NA's

1 1 597

patient.samples.sample.portions.portion.5.slides.slide.2.bcr_slide_barcode:
 tcga-06-0145-01a-05-bs5 NA's
 1 598

patient.samples.sample.portions.portion.5.slides.slide.2.bcr_slide_uuid:
 f2922c1c-cdaf-4cbd-b032-8a7ff682d8ef NA's
 1 598

patient.samples.sample.portions.portion.5.slides.slide.2.image_file_name:
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 NA's
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patient.samples.sample.portions.portion.5.slides.slide.2.is_derived_from_ffpe:
 no NA's
 1 598

patient.samples.sample.portions.portion.5.slides.slide.2.percent_lymphocyte_infi
 0 NA's
 1 598

patient.samples.sample.portions.portion.5.slides.slide.2.percent_monocyte_infilt
 0 NA's
 1 598

patient.samples.sample.portions.portion.5.slides.slide.2.percent_necrosis:
 5 NA's
 1 598

patient.samples.sample.portions.portion.5.slides.slide.2.percent_neutrophil_infi
 0 NA's
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patient.samples.sample.portions.portion.5.slides.slide.2.percent_normal_cells:
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patient.samples.sample.portions.portion.5.slides.slide.2.percent_stromal_cells:
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patient.samples.sample.portions.portion.5.slides.slide.2.percent_tumor_cells:
 95 NA's
 1 598

patient.samples.sample.portions.portion.5.slides.slide.2.percent_tumor_nuclei:
 100 NA's
 1 598

patient.samples.sample.portions.portion.5.slides.slide.2.section_location:
 bottom NA's
 1 598

patient.samples.sample.portions.portion.5.slides.slide.bcr_slide_barcode:
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 1 1 597

patient.samples.sample.portions.portion.5.slides.slide.bcr_slide_uuid:
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 1 1
 NA's
 597

patient.samples.sample.portions.portion.5.slides.slide.image_file_name:
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 1
 tcga-06-0148-01a-06-bs6.208b287a-bcf6-45c6-aabf-e90a79e201fc.svs
 1
 NA's
 597

patient.samples.sample.portions.portion.5.slides.slide.is_derived_from_ffpe:
 no NA's
 2 597

patient.samples.sample.portions.portion.5.slides.slide.percent_lymphocyte_infiltration:
 0 NA's
 2 597

patient.samples.sample.portions.portion.5.slides.slide.percent_monocyte_infiltration:
 0 NA's
 2 597

patient.samples.sample.portions.portion.5.slides.slide.percent_necrosis:
 5 50 NA's
 1 1 597

patient.samples.sample.portions.portion.5.slides.slide.percent_neutrophil_infiltration:
 0 NA's
 2 597

patient.samples.sample.portions.portion.5.slides.slide.percent_normal_cells:
 0 NA's
 2 597

patient.samples.sample.portions.portion.5.slides.slide.percent_stromal_cells:
 0 NA's
 2 597

patient.samples.sample.portions.portion.5.slides.slide.percent_tumor_cells:
 50 95 NA's

```
1 1 597

patient.samples.sample.portions.portion.5.slides.slide.percent_tumor_nuclei:
100 NA's
2 597

patient.samples.sample.portions.portion.5.slides.slide.section_location:
top NA's
2 597

patient.samples.sample.portions.portion.5.year_of_creation:
2009 NA's
2 597

patient.samples.sample.portions.portion.6.analytes.analyte.2.a260_a280_ratio:
1.83 NA's
1 598

patient.samples.sample.portions.portion.6.analytes.analyte.2.aliquots.aliquot.2.
tcga-06-0145-01a-06r-0213-07 NA's
1 598

patient.samples.sample.portions.portion.6.analytes.analyte.2.aliquots.aliquot.2.
9bbd5891-a989-4ffe-883f-71b84e6abc15 NA's
1 598

patient.samples.sample.portions.portion.6.analytes.analyte.2.aliquots.aliquot.2.
7 NA's
1 598

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patient.samples.sample.portions.portion.6.analytes.analyte.aliquots.aliquot.2.da
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patient.samples.sample.portions.portion.6.analytes.analyte.aliquots.aliquot.2.is
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2007 NA's
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tcga-06-0145-01a-06d-0216-06 NA's
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patient.samples.sample.portions.portion.6.analytes.analyte.aliquots.aliquot.3.co
0.15 NA's
1 598

patient.samples.sample.portions.portion.6.analytes.analyte.aliquots.aliquot.3.da
28 NA's
1 598

patient.samples.sample.portions.portion.6.analytes.analyte.aliquots.aliquot.3.is
no NA's
1 598

patient.samples.sample.portions.portion.6.analytes.analyte.aliquots.aliquot.3.mo
6 NA's
1 598

patient.samples.sample.portions.portion.6.analytes.analyte.aliquots.aliquot.3.pl
4 NA's
1 598

patient.samples.sample.portions.portion.6.analytes.analyte.aliquots.aliquot.3.pl
216 NA's
1 598

patient.samples.sample.portions.portion.6.analytes.analyte.aliquots.aliquot.3.pl
d NA's
1 598

patient.samples.sample.portions.portion.6.analytes.analyte.aliquots.aliquot.3.qu
3 NA's
1 598

patient.samples.sample.portions.portion.6.analytes.analyte.aliquots.aliquot.3.so
22 NA's
1 598

patient.samples.sample.portions.portion.6.analytes.analyte.aliquots.aliquot.3.vo
20 NA's
1 598

patient.samples.sample.portions.portion.6.analytes.analyte.aliquots.aliquot.3.ye
2007 NA's
1 598

patient.samples.sample.portions.portion.6.analytes.analyte.aliquots.aliquot.4.bo
tcga-06-0145-01a-06d-0217-02 NA's
1 598

patient.samples.sample.portions.portion.6.analytes.analyte.aliquots.aliquot.4.bo
759c8a2e-0934-47bd-820e-244d59a0e7fd NA's
1 598

patient.samples.sample.portions.portion.6.analytes.analyte.aliquots.aliquot.4.ce
2 NA's
1 598

patient.samples.sample.portions.portion.6.analytes.analyte.aliquots.aliquot.4.co
0.15 NA's
1 598

patient.samples.sample.portions.portion.6.analytes.analyte.aliquots.aliquot.4.da
28 NA's
1 598

patient.samples.sample.portions.portion.6.analytes.analyte.aliquots.aliquot.4.is
no NA's
1 598

patient.samples.sample.portions.portion.6.analytes.analyte.aliquots.aliquot.4.mo
6 NA's
1 598

patient.samples.sample.portions.portion.6.analytes.analyte.aliquots.aliquot.4.pl
5 NA's
1 598

patient.samples.sample.portions.portion.6.analytes.analyte.aliquots.aliquot.4.pl
217 NA's
1 598

patient.samples.sample.portions.portion.6.analytes.analyte.aliquots.aliquot.4.pl
h NA's
1 598

patient.samples.sample.portions.portion.6.analytes.analyte.aliquots.aliquot.4.qu
5 NA's
1 598

patient.samples.sample.portions.portion.6.analytes.analyte.aliquots.aliquot.4.sc
22 NA's
1 598

patient.samples.sample.portions.portion.6.analytes.analyte.aliquots.aliquot.4.vo
33.3 NA's
1 598

patient.samples.sample.portions.portion.6.analytes.analyte.aliquots.aliquot.4.ye
2007 NA's
1 598

patient.samples.sample.portions.portion.6.analytes.analyte.aliquots.aliquot.5.bo
tcga-06-0145-01a-06d-0218-05 NA's
1 598

patient.samples.sample.portions.portion.6.analytes.analyte.aliquots.aliquot.5.bo
3a6a048e-6bef-41a3-a979-b611d0696143 NA's
1 598

patient.samples.sample.portions.portion.6.analytes.analyte.aliquots.aliquot.5.ce
5 NA's
1 598

patient.samples.sample.portions.portion.6.analytes.analyte.aliquots.aliquot.5.co
0.15 NA's
1 598

patient.samples.sample.portions.portion.6.analytes.analyte.aliquots.aliquot.5.da
28 NA's
1 598

patient.samples.sample.portions.portion.6.analytes.analyte.aliquots.aliquot.5.is
no NA's
1 598

patient.samples.sample.portions.portion.6.analytes.analyte.aliquots.aliquot.5.mo
6 NA's
1 598

patient.samples.sample.portions.portion.6.analytes.analyte.aliquots.aliquot.5.pl
4 NA's
1 598

patient.samples.sample.portions.portion.6.analytes.analyte.aliquots.aliquot.5.pl
218 NA's
1 598

patient.samples.sample.portions.portion.6.analytes.analyte.aliquots.aliquot.5.pl
d NA's
1 598

patient.samples.sample.portions.portion.6.analytes.analyte.aliquots.aliquot.5.qu
 5 NA's
 1 598

patient.samples.sample.portions.portion.6.analytes.analyte.aliquots.aliquot.5.so
 22 NA's
 1 598

patient.samples.sample.portions.portion.6.analytes.analyte.aliquots.aliquot.5.vo
 33.3 NA's
 1 598

patient.samples.sample.portions.portion.6.analytes.analyte.aliquots.aliquot.5.ye
 2007 NA's
 1 598

patient.samples.sample.portions.portion.6.analytes.analyte.aliquots.aliquot.6.bo
 tcga-06-0145-01a-06d-1003-01 NA's
 1 598

patient.samples.sample.portions.portion.6.analytes.analyte.aliquots.aliquot.6.bo
 c19f57ec-2b20-4a40-97f5-1ac45679be9a NA's
 1 598

patient.samples.sample.portions.portion.6.analytes.analyte.aliquots.aliquot.6.bi
 97544031 NA's
 1 598

patient.samples.sample.portions.portion.6.analytes.analyte.aliquots.aliquot.6.ce
 1 NA's
 1 598

patient.samples.sample.portions.portion.6.analytes.analyte.aliquots.aliquot.6.co
 0.15 NA's
 1 598

patient.samples.sample.portions.portion.6.analytes.analyte.aliquots.aliquot.6.da
 19 NA's
 1 598

patient.samples.sample.portions.portion.6.analytes.analyte.aliquots.aliquot.6.is
 no NA's
 1 598

patient.samples.sample.portions.portion.6.analytes.analyte.aliquots.aliquot.6.mo
 5 NA's
 1 598

patient.samples.sample.portions.portion.6.analytes.analyte.aliquots.aliquot.6.pl
 1 NA's
 1 598

patient.samples.sample.portions.portion.6.analytes.analyte.aliquots.aliquot.6.pl
1003 NA's
1 598

patient.samples.sample.portions.portion.6.analytes.analyte.aliquots.aliquot.6.pl
f NA's
1 598

patient.samples.sample.portions.portion.6.analytes.analyte.aliquots.aliquot.6.qu
0.5 NA's
1 598

patient.samples.sample.portions.portion.6.analytes.analyte.aliquots.aliquot.6.so
22 NA's
1 598

patient.samples.sample.portions.portion.6.analytes.analyte.aliquots.aliquot.6.vo
3.33 NA's
1 598

patient.samples.sample.portions.portion.6.analytes.analyte.aliquots.aliquot.6.ye
2010 NA's
1 598

patient.samples.sample.portions.portion.6.analytes.analyte.aliquots.aliquot.7.bo
tcga-06-0145-01a-06d-1490-08 NA's
1 598

patient.samples.sample.portions.portion.6.analytes.analyte.aliquots.aliquot.7.bo
8cc5694d-b4a2-43bb-838d-58cc470349fd NA's
1 598

patient.samples.sample.portions.portion.6.analytes.analyte.aliquots.aliquot.7.bi
1049950444 NA's
1 598

patient.samples.sample.portions.portion.6.analytes.analyte.aliquots.aliquot.7.ce
8 NA's
1 598

patient.samples.sample.portions.portion.6.analytes.analyte.aliquots.aliquot.7.co
0.05 NA's
1 598

patient.samples.sample.portions.portion.6.analytes.analyte.aliquots.aliquot.7.da
3 NA's
1 598

patient.samples.sample.portions.portion.6.analytes.analyte.aliquots.aliquot.7.is
no NA's
1 598

patient.samples.sample.portions.portion.6.analytes.analyte.aliquots.aliquot.7.mo
 1 NA's
 1 598

patient.samples.sample.portions.portion.6.analytes.analyte.aliquots.aliquot.7.pl
 6 NA's
 1 598

patient.samples.sample.portions.portion.6.analytes.analyte.aliquots.aliquot.7.pl
 1490 NA's
 1 598

patient.samples.sample.portions.portion.6.analytes.analyte.aliquots.aliquot.7.pl
 a NA's
 1 598

patient.samples.sample.portions.portion.6.analytes.analyte.aliquots.aliquot.7.qu
 2 NA's
 1 598

patient.samples.sample.portions.portion.6.analytes.analyte.aliquots.aliquot.7.sc
 22 NA's
 1 598

patient.samples.sample.portions.portion.6.analytes.analyte.aliquots.aliquot.7.vo
 40 NA's
 1 598

patient.samples.sample.portions.portion.6.analytes.analyte.aliquots.aliquot.7.ye
 2011 NA's
 1 598

patient.samples.sample.portions.portion.6.analytes.analyte.aliquots.aliquot.bcr_
 tcga-06-0145-01a-06d-0214-01 NA's
 1 598

patient.samples.sample.portions.portion.6.analytes.analyte.aliquots.aliquot.bcr_
 1906881d-87a2-4543-ab33-c3e07af181b9 NA's
 1 598

patient.samples.sample.portions.portion.6.analytes.analyte.aliquots.aliquot.cent
 1 NA's
 1 598

patient.samples.sample.portions.portion.6.analytes.analyte.aliquots.aliquot.conc
 0.15 NA's
 1 598

patient.samples.sample.portions.portion.6.analytes.analyte.aliquots.aliquot.day_
 28 NA's
 1 598

patient.samples.sample.portions.portion.6.analytes.analyte.aliqots.aliquot.is_d
 no NA's
 1 598

patient.samples.sample.portions.portion.6.analytes.analyte.aliqots.aliquot.mont
 6 NA's
 1 598

patient.samples.sample.portions.portion.6.analytes.analyte.aliqots.aliquot.plat
 4 NA's
 1 598

patient.samples.sample.portions.portion.6.analytes.analyte.aliqots.aliquot.plat
 214 NA's
 1 598

patient.samples.sample.portions.portion.6.analytes.analyte.aliqots.aliquot.plat
 d NA's
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patient.samples.sample.portions.portion.6.analytes.analyte.aliqots.aliquot.quan
 2 NA's
 1 598

patient.samples.sample.portions.portion.6.analytes.analyte.aliqots.aliquot.sour
 22 NA's
 1 598

patient.samples.sample.portions.portion.6.analytes.analyte.aliqots.aliquot.vol
 13.3 NA's
 1 598

patient.samples.sample.portions.portion.6.analytes.analyte.aliqots.aliquot.year
 2007 NA's
 1 598

patient.samples.sample.portions.portion.6.analytes.analyte.amount:
 83.37 NA's
 1 598

patient.samples.sample.portions.portion.6.analytes.analyte.analyte_type:
 dna NA's
 1 598

patient.samples.sample.portions.portion.6.analytes.analyte.analyte_type_id:
 d NA's
 1 598

patient.samples.sample.portions.portion.6.analytes.analyte.bcr_analyte_barcode:
 tcga-06-0145-01a-06d NA's
 1 598

patient.samples.sample.portions.portion.6.analytes.analyte.bcr_analyte_uuid:
 ab9cc7c1-150f-4389-9f09-ca5b17727082 NA's
 1 598

patient.samples.sample.portions.portion.6.analytes.analyte.bcr_biospecimen_canon
 portioning study NA's
 1 598

patient.samples.sample.portions.portion.6.analytes.analyte.concentration:
 0.15 NA's
 1 598

patient.samples.sample.portions.portion.6.analytes.analyte.dna.normal_tumor_genom
 yes NA's
 1 598

patient.samples.sample.portions.portion.6.analytes.analyte.dna.pcr_amplification
 yes NA's
 1 598

patient.samples.sample.portions.portion.6.analytes.analyte.gel_image_file:
<https://sharedoc.nchri.org/tcga-bcr/default.aspx>
 1
 NA's
 598

patient.samples.sample.portions.portion.6.analytes.analyte.is_derived_from_ffpe:
 no NA's
 1 598

patient.samples.sample.portions.portion.6.analytes.analyte.protocols.protocol.ex
 adna preparation type NA's
 1 598

patient.samples.sample.portions.portion.6.analytes.analyte.spectrophotometer_met
 uv spec NA's
 1 598

patient.samples.sample.portions.portion.6.bcr_portion_barcode:
 tcga-06-0145-01a-06 NA's
 1 598

patient.samples.sample.portions.portion.6.bcr_portion_uuid:
 4ceae2e9-099d-4cb3-b198-84577426197d NA's
 1 598

patient.samples.sample.portions.portion.6.day_of_creation:
 4 NA's
 1 598

patient.samples.sample.portions.portion.6.is_ffpe:
 no NA's

1 598

patient.samples.sample.portions.portion.6.month_of_creation:

2 NA's

1 598

patient.samples.sample.portions.portion.6.portion_number:

6 NA's

1 598

patient.samples.sample.portions.portion.6.slides.slide.2.bcr_slide_barcode:

tcga-06-0145-01a-06-bs6 NA's

1 598

patient.samples.sample.portions.portion.6.slides.slide.2.bcr_slide_uuid:

7ffdd6df-3e88-4b41-8a70-d1dbf9e45514 NA's

1 598

patient.samples.sample.portions.portion.6.slides.slide.2.image_file_name:

tcga-06-0145-01a-06-bs6.7ffdd6df-3e88-4b41-8a70-d1dbf9e45514.svs

1

NA's

598

patient.samples.sample.portions.portion.6.slides.slide.2.is_derived_from_ffpe:

no NA's

1 598

patient.samples.sample.portions.portion.6.slides.slide.2.percent_lymphocyte_infi

0 NA's

1 598

patient.samples.sample.portions.portion.6.slides.slide.2.percent_monocyte_infilt

0 NA's

1 598

patient.samples.sample.portions.portion.6.slides.slide.2.percent_necrosis:

5 NA's

1 598

patient.samples.sample.portions.portion.6.slides.slide.2.percent_neutrophil_infi

0 NA's

1 598

patient.samples.sample.portions.portion.6.slides.slide.2.percent_normal_cells:

0 NA's

1 598

patient.samples.sample.portions.portion.6.slides.slide.2.percent_stromal_cells:

0 NA's

1 598

patient.samples.sample.portions.portion.6.slides.slide.2.percent_tumor_cells:
95 NA's
1 598

patient.samples.sample.portions.portion.6.slides.slide.2.percent_tumor_nuclei:
100 NA's
1 598

patient.samples.sample.portions.portion.6.slides.slide.2.section_location:
bottom NA's
1 598

patient.samples.sample.portions.portion.6.slides.slide.bcr_slide_barcode:
tcga-06-0145-01a-05-bs5 NA's
1 598

patient.samples.sample.portions.portion.6.slides.slide.bcr_slide_uuid:
f2922c1c-cdaf-4cbd-b032-8a7ff682d8ef NA's
1 598

patient.samples.sample.portions.portion.6.slides.slide.image_file_name:
tcga-06-0145-01a-05-bs5.f2922c1c-cdaf-4cbd-b032-8a7ff682d8ef.svs
1
NA's
598

patient.samples.sample.portions.portion.6.slides.slide.is_derived_from_ffpe:
no NA's
1 598

patient.samples.sample.portions.portion.6.slides.slide.percent_lymphocyte_infiltration:
0 NA's
1 598

patient.samples.sample.portions.portion.6.slides.slide.percent_monocyte_infiltration:
0 NA's
1 598

patient.samples.sample.portions.portion.6.slides.slide.percent_necrosis:
5 NA's
1 598

patient.samples.sample.portions.portion.6.slides.slide.percent_neutrophil_infiltration:
0 NA's
1 598

patient.samples.sample.portions.portion.6.slides.slide.percent_normal_cells:
0 NA's
1 598

patient.samples.sample.portions.portion.6.slides.slide.percent_stromal_cells:
0 NA's

1 598

patient.samples.sample.portions.portion.6.slides.slide.percent_tumor_cells:
95 NA's
1 598

patient.samples.sample.portions.portion.6.slides.slide.percent_tumor_nuclei:
100 NA's
1 598

patient.samples.sample.portions.portion.6.slides.slide.section_location:
top NA's
1 598

patient.samples.sample.portions.portion.6.year_of_creation:
2009 NA's
1 598

patient.samples.sample.portions.portion.analytes.analyte.2.a260_a280_ratio:
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
1.300 1.800 1.800 1.812 1.820 2.230 23

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.2.bi
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
8.957e+07 8.957e+07 1.012e+08 3.122e+08 1.087e+08 1.050e+09 444

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.2.ce
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
1.0 3.0 3.0 3.9 6.0 7.0 91

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.2.co
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
0.0000 0.1500 0.1600 0.1921 0.1700 0.6300 91

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.2.da
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
3.00 13.00 20.00 19.28 25.00 30.00 91

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.2.is
no NA's
508 91

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.2.mo
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
1.000 4.000 5.000 6.352 9.000 12.000 91

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.2.pl
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
1.000 2.000 3.000 3.073 4.000 9.000 91

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.2.pl
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 178.0 281.0 389.0 599.3 790.0 1847.0 91

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.2.qu
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 0.000 2.200 2.650 2.974 3.000 7.600 91

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.2.so
 22 NA's
 508 91

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.2.vo
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 4.00 13.30 16.70 16.97 16.70 40.00 91

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.2.ye
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 2007 2007 2008 2009 2010 2011 91

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.3.bi
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 8.957e+07 8.957e+07 9.756e+07 4.951e+08 1.054e+09 1.062e+09 470

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.3.ce
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 1.000 3.000 7.000 5.486 7.000 7.000 120

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.3.co
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 0.0000 0.1500 0.1600 0.1948 0.1700 0.6300 120

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.3.da
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 3.00 14.00 23.00 20.11 27.00 30.00 120

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.3.is
 no NA's
 479 120

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.3.mo
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 1.000 4.000 5.000 5.856 8.000 12.000 120

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.3.pl
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 1.000 2.000 3.000 3.727 5.000 11.000 120

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.3.pl

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
179.0	282.0	390.0	599.3	791.0	2027.0	120

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.3.qu

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0.00	2.00	2.26	2.93	3.01	13.35	120

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.3.so
22 NA's
479 120

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.3.vo

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
4.00	13.30	13.30	16.63	16.70	33.30	120

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.3.ye

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
2007	2007	2008	2009	2010	2011	120

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.4.bi

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
9.651e+07	5.838e+08	1.054e+09	8.111e+08	1.054e+09	1.054e+09	540

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.4.ce

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1.000	2.000	4.000	3.199	4.000	9.000	223

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.4.co

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0.0000	0.1500	0.1600	0.2087	0.1800	0.6300	223

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.4.da

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
3.00	27.00	28.00	24.52	28.00	31.00	223

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.4.is
no NA's
376 223

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.4.mo

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1.000	4.750	10.000	7.457	10.000	12.000	223

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.4.pl

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1.000	2.000	4.000	5.348	9.000	12.000	223

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.4.pl

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's

181.0 296.0 677.0 680.5 678.0 1991.0 223

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.4.qu

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0.000	0.640	1.130	3.096	5.000	20.000	223

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.4.so

22 NA's
376 223

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.4.vo

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
4.00	4.00	6.00	15.34	33.30	88.20	223

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.4.ye

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
2007	2008	2009	2009	2009	2011	223

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.5.bi

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1.054e+09	1.054e+09	1.054e+09	1.054e+09	1.054e+09	1.062e+09	553

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.5.ce

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1.000	1.000	4.000	3.176	4.000	9.000	480

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.5.co

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0.1200	0.1600	0.1700	0.2703	0.4900	0.6300	480

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.5.da

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
6.00	27.00	27.00	25.83	28.00	28.00	480

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.5.is

no NA's
119 480

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.5.mo

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1.000	6.000	6.000	7.294	10.000	11.000	480

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.5.pl

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1.000	2.000	4.000	4.941	7.000	12.000	480

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.5.pl

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
187	676	676	1067	1849	2027	480

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.5.qu

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0.000	2.000	2.960	3.608	5.330	15.000	480

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.5.sc

22 NA's
119 480

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.5.vo

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0.0	4.0	15.7	19.5	33.3	100.0	480

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.5.ye

2007 2008 2009 2011 NA's
4 14 55 46 480

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.6.bi

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1.054e+09	1.054e+09	1.054e+09	1.054e+09	1.054e+09	1.054e+09	584

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.6.ce

1 4 8 9 NA's
15 9 2 1 572

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.6.co

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0.1500	0.1700	0.1800	0.2741	0.5000	0.5500	572

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.6.da

6 15 27 28 NA's
1 2 15 9 572

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.6.is

no NA's
27 572

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.6.mo

4 5 6 10 NA's
2 1 15 9 572

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.6.pl

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1.000	2.000	4.000	4.519	6.000	12.000	572

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.6.pl

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
507	676	1849	1309	1849	1850	572

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.6.qu
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 0.640 2.060 5.300 4.915 5.825 20.000 572

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.6.so
 22 NA's
 27 572

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.6.vo
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 4.00 4.00 33.30 25.53 33.30 125.00 572

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.6.ye
 2009 2011 NA's
 12 15 572

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.7.bi
 1053965826 1053965831 1053965833 1053965857 NA's
 1 1 1 1 595

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.7.ce
 1 4 NA's
 4 1 594

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.7.co
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 0.150 0.160 0.180 0.176 0.190 0.200 594

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.7.da
 27 28 NA's
 4 1 594

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.7.is
 no NA's
 5 594

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.7.mo
 6 10 NA's
 4 1 594

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.7.pl
 2 4 7 NA's
 1 3 1 594

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.7.pl
 676 1849 NA's
 1 4 594

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.7.pl

e f h NA's
1 2 2 594

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.7.qu
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
0.600 5.330 5.990 4.982 6.330 6.660 594

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.7.so
22 NA's
5 594

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.7.vo
4 33.3 NA's
1 4 594

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.7.ye
2009 2011 NA's
1 4 594

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.8.bo
tcga-06-0184-01a-01r-1849-01 NA's
1 598

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.8.bo
7522ddf3-0d35-4085-9f94-1ca2e38aa804 NA's
1 598

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.8.bi
1053965785 NA's
1 598

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.8.ce
1 NA's
1 598

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.8.co
0.15 NA's
1 598

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.8.da
27 NA's
1 598

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.8.is
no NA's
1 598

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.8.mo
6 NA's
1 598

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.8.pl

```

4 NA's
1 598

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.8.pl
1849 NA's
1 598

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.8.pl
b NA's
1 598

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.8.qu
5 NA's
1 598

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.8.sc
22 NA's
1 598

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.8.vo
33.3 NA's
1 598

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.8.ye
2011 NA's
1 598

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.bios
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
9.129e+07 9.752e+07 1.087e+08 3.894e+08 1.050e+09 1.062e+09 372

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.cent
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
1.000 1.000 1.000 2.555 3.000 8.000 8

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.conc
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
0.0000 0.1500 0.1600 0.1837 0.1700 0.6300 8

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.day_
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
3.00 14.00 23.00 20.27 27.00 30.00 8

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.is_d
no NA's
591 8

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.mont
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
1.000 4.000 6.000 6.286 9.000 12.000 8

```

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.plat
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 1.000 2.000 3.000 3.051 4.000 9.000 8

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.quant
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 0.000 2.260 3.000 3.449 3.400 26.650 8

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.sour
 22 23 NA's
 574 17 8

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.vol
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 6.67 13.30 20.00 18.73 20.00 53.30 8

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.year
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 2007 2007 2009 2009 2010 2014 8

patient.samples.sample.portions.portion.analytes.analyte.2.amount:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 0.0 37.6 78.0 111.5 154.3 500.0 10

patient.samples.sample.portions.portion.analytes.analyte.2.analyte_type:
 genomeplex (rubicon) amplified dna rna
 42 544
 total rna NA's
 5 8

patient.samples.sample.portions.portion.analytes.analyte.2.analyte_type_id:
 g h r t NA's
 42 53 491 5 8

patient.samples.sample.portions.portion.analytes.analyte.2.bcr_biospecimen_canon
 portioning study NA's
 1 598

patient.samples.sample.portions.portion.analytes.analyte.2.concentration:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 0.0000 0.1500 0.1600 0.1852 0.1700 0.6300 8

patient.samples.sample.portions.portion.analytes.analyte.2.dna.normal_tumor_gen
 yes NA's
 42 557

patient.samples.sample.portions.portion.analytes.analyte.2.dna.pcr_amplification

no NA's
42 557

patient.samples.sample.portions.portion.analytes.analyte.2.gel_image_file:
https://sharedoc.nchri.org/tcga-bcr/default.aspx
591
NA's
8

patient.samples.sample.portions.portion.analytes.analyte.2.is_derived_from_ffpe:
no NA's
591 8

patient.samples.sample.portions.portion.analytes.analyte.2.protocols.protocol.ex
allprep rna extraction genomplex mirvana (allprep dna) rna
491 42 53
total rna NA's
5 8

patient.samples.sample.portions.portion.analytes.analyte.2.rna.ratio_28s_18s:
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
0.000 1.200 1.400 1.453 1.700 4.000 55

patient.samples.sample.portions.portion.analytes.analyte.2.rna.rinvalue:
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
0.000 7.800 8.400 8.257 8.800 9.800 265

patient.samples.sample.portions.portion.analytes.analyte.2.spectrophotometer_met
uv spec NA's
591 8

patient.samples.sample.portions.portion.analytes.analyte.2.subportion_sequence:
1 2 NA's
60 9 530

patient.samples.sample.portions.portion.analytes.analyte.3.a260_a280_ratio:
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
1.500 1.700 1.800 1.759 1.800 2.000 508

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.2.bi
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
9.651e+07 1.070e+08 1.070e+08 1.259e+08 1.087e+08 1.054e+09 548

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.2.ce
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
3.000 3.000 7.000 6.063 7.000 10.000 488

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.2.co
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
0.1000 0.1400 0.1500 0.1839 0.1700 0.5000 488

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.2.da
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 3.00 23.00 25.00 22.95 27.00 29.00 488

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.2.is
 no NA's
 111 488

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.2.mo
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 1.000 1.000 6.000 4.667 6.000 10.000 488

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.2.pl
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 1.000 2.000 3.000 3.414 4.500 12.000 488

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.2.pl
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 213.0 299.0 656.0 993.8 1847.0 1873.0 488

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.2.qu
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 1.000 1.860 2.130 20.210 2.755 200.000 488

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.2.so
 22 NA's
 111 488

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.2.vo
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 6.90 13.30 13.30 49.27 16.70 400.00 488

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.2.ye
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 2007 2008 2009 2009 2011 2011 488

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.3.bi
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 9.651e+07 1.136e+08 1.136e+08 3.207e+08 1.136e+08 1.054e+09 590

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.3.ce
 1 3 7 9 NA's
 10 1 39 11 538

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.3.co
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 0.1100 0.1500 0.1600 0.2198 0.1800 0.5000 538

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.3.da
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 3.00 23.00 23.00 22.87 28.00 31.00 538

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.3.is
 no NA's
 61 538

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.3.mo
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 1.000 1.000 1.000 3.803 7.000 9.000 538

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.3.pl
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 1.000 1.000 3.000 2.787 4.000 8.000 538

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.3.pl
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 219.0 252.0 300.0 507.3 300.0 1991.0 538

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.3.qu
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 1.46 2.13 2.26 35.50 5.00 200.00 538

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.3.so
 22 NA's
 61 538

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.3.vo
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 13.30 13.30 13.30 80.79 33.30 400.00 538

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.3.ye
 2007 2008 2010 2011 NA's
 18 34 1 8 538

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.4.bi
 1053937450 NA's
 1 598

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.4.ce
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 1.000 2.000 4.000 4.244 4.000 9.000 554

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.4.co
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 0.1300 0.1600 0.1700 0.2373 0.1900 0.5000 554

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.4.da

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
6.00	27.00	28.00	24.33	28.00	29.00	554

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.4.is
no NA's
45 554

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
2.000	7.000	10.000	8.533	10.000	10.000	554

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.4.mo

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1.000	2.000	3.000	3.444	5.000	8.000	554

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.4.pl

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
220.0	254.0	677.0	514.3	677.0	1873.0	554

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.4.pl

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0.60	0.68	0.76	33.16	4.41	200.00	554

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.4.qu

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.4.so
22 NA's
45 554

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
4.00	4.00	4.00	71.47	28.00	400.00	554

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.4.vo

2007	2008	2009	2011	NA's
17	3	24	1	554

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.4.ye

1061604836	NA's
1	598

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.5.bi

4	7	9	NA's
3	1	6	589

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.5.ce

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0.1300	0.1325	0.1450	0.1450	0.1500	0.1700	589

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.5.co

8	26	28	NA's

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.5.da

6 1 3 589

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.5.is
no NA's
10 589

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.5.mo
7 10 NA's
6 4 589

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.5.pl
1 5 7 NA's
6 3 1 589

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.5.pl
376 676 2027 NA's
6 3 1 589

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.5.qu
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
0.560 0.980 3.820 2.879 4.045 5.000 589

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.5.so
22 NA's
10 589

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.5.vo
4 13.3 29.4 NA's
3 1 6 589

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.5.ye
2008 2009 2011 NA's
6 3 1 589

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.6.bi
1053965804 1053965854 1053965855 NA's
1 1 1 596

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.6.ce
1 4 8 9 NA's
3 3 1 1 591

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.6.co
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
0.1300 0.1300 0.1400 0.1438 0.1525 0.1700 591

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.6.da
15 25 27 28 NA's
1 1 3 3 591

```

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.6.is
no NA's
8 591

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.6.mo
4 6 10 11 NA's
1 3 3 1 591

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.6.pl
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
1.00 1.75 3.50 4.25 5.25 12.00 591

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.6.pl
418 507 676 1849 NA's
1 1 3 3 591

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.6.pl
a c d h NA's
3 1 1 3 591

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.6.qu
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
0.520 0.650 4.240 5.070 5.082 19.990 591

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.6.so
22 NA's
8 591

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.6.vo
4 29.4 33.3 153.8 NA's
3 1 3 1 591

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.6.ye
2008 2009 2011 NA's
1 4 3 591

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.7.bo
tcga-06-0124-01a-01r-0676-04 tcga-06-0126-01a-01r-1849-01
1 1
tcga-06-0128-01a-01r-0572-09 tcga-06-0129-01a-01r-1849-01
1 1
NA's
595

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.7.bo
17c98d8c-8bd4-4b16-a384-0497d730f497 2e55dba8-6510-49bc-995c-de7a623dc6d0
1 1
77184fe2-f049-4eb1-b024-dbf90c242c61 a61a5c87-233d-4560-bd68-a8ef7dbb982b
1 1
NA's
595

```

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.7.bi
 1053965770 1053965783 NA's
 1 1 597

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.7.ce
 1 4 9 NA's
 2 1 1 595

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.7.co
 0.13 0.14 NA's
 3 1 595

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.7.da
 23 27 28 NA's
 1 2 1 595

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.7.is
 no NA's
 4 595

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.7.mo
 6 7 10 NA's
 2 1 1 595

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.7.pl
 2 6 12 NA's
 2 1 1 595

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.7.pl
 572 676 1849 NA's
 1 1 2 595

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.7.pl
 a b d NA's
 2 1 1 595

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.7.qu
 0.52 2 4.33 4.66 NA's
 1 1 1 1 595

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.7.so
 22 NA's
 4 595

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.7.vo
 4 15.4 33.3 NA's
 1 1 2 595

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.7.ye
 2009 2011 NA's
 2 2 595

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.8.bo
tcga-06-0124-01a-01r-1849-01 tcga-06-0128-01a-01r-0676-04

1 1
NA's
597

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.8.bo
58d61460-88d6-46b3-b47a-e2ba55fad23c eca799a4-cde6-453c-a112-6c0fd9ea2855

1 1
NA's
597

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.8.bi
1053965853 NA's

1 598

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.8.ce

1 4 NA's
1 1 597

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.8.co
0.13 NA's

2 597

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.8.da

27 28 NA's
1 1 597

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.8.is
no NA's

2 597

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.8.mo

6 10 NA's
1 1 597

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.8.pl

1 6 NA's
1 1 597

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.8.pl
676 1849 NA's

1 1 597

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.8.pl

f g NA's
1 1 597

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.8.qu
0.52 4.33 NA's

1 1 597

```

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.8.so
  22 NA's
  2 597

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.8.vo
  4 33.3 NA's
  1 1 597

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.8.ye
2009 2011 NA's
  1 1 597

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.bios
  Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
9.129e+07 9.756e+07 1.070e+08 2.727e+08 1.530e+08 1.054e+09 377

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.cent
  Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
  1.000 7.000 7.000 6.094 7.000 10.000 16

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.conc
  Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
  0.0500 0.1000 0.1000 0.1275 0.1000 0.5000 16

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.day_
  Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
  3.00 13.00 20.00 19.56 27.00 30.00 16

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.is_d
no NA's
583 16

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.mont
  Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
  1.000 4.000 6.000 6.177 9.000 12.000 16

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.plat
  Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
  1.000 2.000 3.000 3.578 5.000 10.000 16

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.quan
  Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
  0.270 1.000 1.000 3.751 1.950 200.000 16

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.sour
  22 23 NA's
  566 17 16

```

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.volum
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 4.00 10.00 10.00 16.42 17.50 400.00 16

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.year
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 2007 2007 2009 2009 2010 2014 16

patient.samples.sample.portions.portion.analytes.analyte.3.amount:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 0.00 17.00 39.00 57.71 75.00 422.00 34

patient.samples.sample.portions.portion.analytes.analyte.3.analyte_type:
 repli-g (qiagen) dna rna total rna
 28 91 464
 NA's
 16

patient.samples.sample.portions.portion.analytes.analyte.3.analyte_type_id:
 r t w NA's
 91 464 28 16

patient.samples.sample.portions.portion.analytes.analyte.3.bcr_biospecimen_canon
 portioning study NA's
 1 598

patient.samples.sample.portions.portion.analytes.analyte.3.concentration:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 0.0500 0.1000 0.1000 0.1162 0.1000 0.5000 33

patient.samples.sample.portions.portion.analytes.analyte.3.dna.normal_tumor_geno
 yes NA's
 28 571

patient.samples.sample.portions.portion.analytes.analyte.3.dna.pcr_amplification
 no yes NA's
 11 17 571

patient.samples.sample.portions.portion.analytes.analyte.3.gel_image_file:
<https://sharedoc.nchri.org/tcga-bcr/default.aspx>
 583
 NA's
 16

patient.samples.sample.portions.portion.analytes.analyte.3.is_derived_from_ffpe:
 no NA's
 583 16

patient.samples.sample.portions.portion.analytes.analyte.3.protocols.protocol.ex

```

allprep rna extraction                repli-g                total rna
          91                        28                        464
          NA's
          16

patient.samples.sample.portions.portion.analytes.analyte.3.rna.ratio_28s_18s:
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.   NA's
  0.000  1.008  1.300  1.194  1.470  2.100   455

patient.samples.sample.portions.portion.analytes.analyte.3.rna.rinvalue:
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.   NA's
  0.000  7.125  7.800  7.464  8.800  9.700   497

patient.samples.sample.portions.portion.analytes.analyte.3.spectrophotometer_met
uv spec      NA's
  566        33

patient.samples.sample.portions.portion.analytes.analyte.3.subportion_sequence:
  1    2 NA's
  55   8 536

patient.samples.sample.portions.portion.analytes.analyte.4.aliquots.aliquot.2.bi
  Min.  1st Qu.  Median    Mean  3rd Qu.    Max.    NA's
  96504904  96505221  97515722  98849835  103960960  103961317    507

patient.samples.sample.portions.portion.analytes.analyte.4.aliquots.aliquot.2.ce
  8   10 NA's
  279  59 261

patient.samples.sample.portions.portion.analytes.analyte.4.aliquots.aliquot.2.co
  0.5 NA's
  338 261

patient.samples.sample.portions.portion.analytes.analyte.4.aliquots.aliquot.2.da
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.   NA's
  2.00  3.25  14.00  13.61  23.00  28.00   261

patient.samples.sample.portions.portion.analytes.analyte.4.aliquots.aliquot.2.is
  no NA's
  338 261

patient.samples.sample.portions.portion.analytes.analyte.4.aliquots.aliquot.2.mo
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.   NA's
  1.000  4.000  5.000  6.314  9.000  11.000   261

patient.samples.sample.portions.portion.analytes.analyte.4.aliquots.aliquot.2.pl
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.   NA's
  1.000  2.000  3.000  3.678  5.000  12.000   261

patient.samples.sample.portions.portion.analytes.analyte.4.aliquots.aliquot.2.pl

```


Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
189.0	323.0	611.0	572.6	837.0	1295.0	261

patient.samples.sample.portions.portion.analytes.analyte.4.aliquots.aliquot.2.qu
 5 30 200 NA's
 11 185 142 261

patient.samples.sample.portions.portion.analytes.analyte.4.aliquots.aliquot.2.so
 22 NA's
 338 261

patient.samples.sample.portions.portion.analytes.analyte.4.aliquots.aliquot.2.vo
 10 60 400 NA's
 11 185 142 261

patient.samples.sample.portions.portion.analytes.analyte.4.aliquots.aliquot.2.ye
 2007 2008 2009 2010 NA's
 80 57 109 92 261

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
96508729	96508779	97512924	98841251	103927548	103927621	507

patient.samples.sample.portions.portion.analytes.analyte.4.aliquots.aliquot.3.ce
 8 9 NA's
 17 321 261

patient.samples.sample.portions.portion.analytes.analyte.4.aliquots.aliquot.3.co
 0.5 NA's
 338 261

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
2.00	3.25	14.00	13.61	23.00	28.00	261

patient.samples.sample.portions.portion.analytes.analyte.4.aliquots.aliquot.3.is
 no NA's
 338 261

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1.000	4.000	5.000	6.314	9.000	11.000	261

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1.000	2.000	3.000	3.678	5.000	12.000	261

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's

190.0 324.0 613.0 574.1 839.0 1296.0 261

patient.samples.sample.portions.portion.analytes.analyte.4.aliquots.aliquot.3.qu

5 30 200 NA's

11 185 142 261

patient.samples.sample.portions.portion.analytes.analyte.4.aliquots.aliquot.3.so

22 NA's

338 261

patient.samples.sample.portions.portion.analytes.analyte.4.aliquots.aliquot.3.vo

10 60 400 NA's

11 185 142 261

patient.samples.sample.portions.portion.analytes.analyte.4.aliquots.aliquot.3.ye

2007 2008 2009 2010 NA's

80 57 109 92 261

patient.samples.sample.portions.portion.analytes.analyte.4.aliquots.aliquot.4.ce

2 8 9 10 NA's

28 31 17 11 512

patient.samples.sample.portions.portion.analytes.analyte.4.aliquots.aliquot.4.co

0.5 NA's

87 512

patient.samples.sample.portions.portion.analytes.analyte.4.aliquots.aliquot.4.da

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
6.00	12.00	13.00	16.82	22.00	27.00	512

patient.samples.sample.portions.portion.analytes.analyte.4.aliquots.aliquot.4.is

no NA's

87 512

patient.samples.sample.portions.portion.analytes.analyte.4.aliquots.aliquot.4.mo

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1.000	2.000	5.000	5.356	9.000	9.000	512

patient.samples.sample.portions.portion.analytes.analyte.4.aliquots.aliquot.4.pl

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1.000	2.000	3.000	3.299	5.000	8.000	512

patient.samples.sample.portions.portion.analytes.analyte.4.aliquots.aliquot.4.pl

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
207.0	226.0	254.0	280.9	325.0	423.0	512

patient.samples.sample.portions.portion.analytes.analyte.4.aliquots.aliquot.4.qu

14 200 NA's

28 59 512

patient.samples.sample.portions.portion.analytes.analyte.4.aliquots.aliquot.4.so
22 NA's
87 512

patient.samples.sample.portions.portion.analytes.analyte.4.aliquots.aliquot.4.vo
28 400 NA's
28 59 512

patient.samples.sample.portions.portion.analytes.analyte.4.aliquots.aliquot.4.ye
2007 2008 2009 NA's
55 21 11 512

patient.samples.sample.portions.portion.analytes.analyte.4.aliquots.aliquot.5.ce
8 NA's
11 588

patient.samples.sample.portions.portion.analytes.analyte.4.aliquots.aliquot.5.co
0.5 NA's
11 588

patient.samples.sample.portions.portion.analytes.analyte.4.aliquots.aliquot.5.da
6 NA's
11 588

patient.samples.sample.portions.portion.analytes.analyte.4.aliquots.aliquot.5.is
no NA's
11 588

patient.samples.sample.portions.portion.analytes.analyte.4.aliquots.aliquot.5.mo
1 NA's
11 588

patient.samples.sample.portions.portion.analytes.analyte.4.aliquots.aliquot.5.pl
1 3 4 5 NA's
3 1 2 5 588

patient.samples.sample.portions.portion.analytes.analyte.4.aliquots.aliquot.5.pl
424 NA's
11 588

patient.samples.sample.portions.portion.analytes.analyte.4.aliquots.aliquot.5.qu
200 NA's
11 588

patient.samples.sample.portions.portion.analytes.analyte.4.aliquots.aliquot.5.so
22 NA's
11 588

patient.samples.sample.portions.portion.analytes.analyte.4.aliquots.aliquot.5.vo
400 NA's
11 588

patient.samples.sample.portions.portion.analytes.analyte.4.aliquots.aliquot.5.ye
2009 NA's
11 588

patient.samples.sample.portions.portion.analytes.analyte.4.aliquots.aliquot.6.ce
9 NA's
11 588

patient.samples.sample.portions.portion.analytes.analyte.4.aliquots.aliquot.6.co
0.5 NA's
11 588

patient.samples.sample.portions.portion.analytes.analyte.4.aliquots.aliquot.6.da
6 NA's
11 588

patient.samples.sample.portions.portion.analytes.analyte.4.aliquots.aliquot.6.is
no NA's
11 588

patient.samples.sample.portions.portion.analytes.analyte.4.aliquots.aliquot.6.mo
1 NA's
11 588

patient.samples.sample.portions.portion.analytes.analyte.4.aliquots.aliquot.6.pl
1 3 4 5 NA's
3 1 2 5 588

patient.samples.sample.portions.portion.analytes.analyte.4.aliquots.aliquot.6.pl
425 NA's
11 588

patient.samples.sample.portions.portion.analytes.analyte.4.aliquots.aliquot.6.qu
200 NA's
11 588

patient.samples.sample.portions.portion.analytes.analyte.4.aliquots.aliquot.6.so
22 NA's
11 588

patient.samples.sample.portions.portion.analytes.analyte.4.aliquots.aliquot.6.vo
400 NA's
11 588

patient.samples.sample.portions.portion.analytes.analyte.4.aliquots.aliquot.6.ye
 2009 NA's
 11 588

patient.samples.sample.portions.portion.analytes.analyte.4.aliquots.aliquot.bios
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 96485768 96486602 97515906 98832985 103927452 103927525 507

patient.samples.sample.portions.portion.analytes.analyte.4.aliquots.aliquot.cent
 2 7 8 10 NA's
 48 42 11 279 219

patient.samples.sample.portions.portion.analytes.analyte.4.aliquots.aliquot.conc
 0.1 0.5 NA's
 42 338 219

patient.samples.sample.portions.portion.analytes.analyte.4.aliquots.aliquot.day_
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 2.00 4.00 18.00 14.84 23.00 29.00 219

patient.samples.sample.portions.portion.analytes.analyte.4.aliquots.aliquot.is_d
 no NA's
 380 219

patient.samples.sample.portions.portion.analytes.analyte.4.aliquots.aliquot.mont
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 1.000 3.000 5.000 5.863 9.000 11.000 219

patient.samples.sample.portions.portion.analytes.analyte.4.aliquots.aliquot.plat
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 1.000 2.000 3.000 3.666 5.000 12.000 219

patient.samples.sample.portions.portion.analytes.analyte.4.aliquots.aliquot.plat
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 188 301 423 539 641 1294 219

patient.samples.sample.portions.portion.analytes.analyte.4.aliquots.aliquot.quan
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 0.50 14.00 30.00 66.12 30.00 200.00 219

patient.samples.sample.portions.portion.analytes.analyte.4.aliquots.aliquot.sour
 22 NA's
 380 219

patient.samples.sample.portions.portion.analytes.analyte.4.aliquots.aliquot.volu
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 5.0 28.0 60.0 133.3 60.0 400.0 219

patient.samples.sample.portions.portion.analytes.analyte.4.aliquots.aliquot.year

2007 2008 2009 2010 NA's
 90 89 109 92 219

patient.samples.sample.portions.portion.analytes.analyte.4.amount:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 0.00 0.00 0.00 138.21 39.25 1020.00 219

patient.samples.sample.portions.portion.analytes.analyte.4.analyte_type:
 repli-g (qiagen) dna total rna NA's
 338 42 219

patient.samples.sample.portions.portion.analytes.analyte.4.analyte_type_id:
 t w NA's
 42 338 219

patient.samples.sample.portions.portion.analytes.analyte.4.concentration:
 0.09 0.1 0.2 0.5 NA's
 2 39 1 338 219

patient.samples.sample.portions.portion.analytes.analyte.4.dna.normal_tumor_genotype:
 yes NA's
 338 261

patient.samples.sample.portions.portion.analytes.analyte.4.dna.pcr_amplification:
 no NA's
 338 261

patient.samples.sample.portions.portion.analytes.analyte.4.gel_image_file:
<https://sharedoc.nchri.org/tcga-bcr/default.aspx>
 380
 NA's
 219

patient.samples.sample.portions.portion.analytes.analyte.4.is_derived_from_ffpe:
 no NA's
 380 219

patient.samples.sample.portions.portion.analytes.analyte.4.protocols.protocol.execution:
 repli-g total rna NA's
 338 42 219

patient.samples.sample.portions.portion.analytes.analyte.4.spectrophotometer_method:
 uv spec NA's
 380 219

patient.samples.sample.portions.portion.analytes.analyte.5.aliquots.aliquot.2.execution:
 8 10 NA's
 39 20 540

```

patient.samples.sample.portions.portion.analytes.analyte.5.aliquots.aliquot.2.co
0.5 NA's
59 540

patient.samples.sample.portions.portion.analytes.analyte.5.aliquots.aliquot.2.da
12 13 18 19 NA's
1 30 9 19 540

patient.samples.sample.portions.portion.analytes.analyte.5.aliquots.aliquot.2.is
no NA's
59 540

patient.samples.sample.portions.portion.analytes.analyte.5.aliquots.aliquot.2.mo
2 7 9 11 NA's
30 9 1 19 540

patient.samples.sample.portions.portion.analytes.analyte.5.aliquots.aliquot.2.pl
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
1.000 1.000 2.000 2.356 3.000 5.000 540

patient.samples.sample.portions.portion.analytes.analyte.5.aliquots.aliquot.2.pl
224 250 318 410 NA's
9 1 30 19 540

patient.samples.sample.portions.portion.analytes.analyte.5.aliquots.aliquot.2.qu
5 200 NA's
19 40 540

patient.samples.sample.portions.portion.analytes.analyte.5.aliquots.aliquot.2.so
22 NA's
59 540

patient.samples.sample.portions.portion.analytes.analyte.5.aliquots.aliquot.2.vo
10 400 NA's
19 40 540

patient.samples.sample.portions.portion.analytes.analyte.5.aliquots.aliquot.2.ye
2007 2008 NA's
10 49 540

patient.samples.sample.portions.portion.analytes.analyte.5.aliquots.aliquot.3.ce
9 NA's
59 540

patient.samples.sample.portions.portion.analytes.analyte.5.aliquots.aliquot.3.co
0.5 NA's
59 540

```

```

patient.samples.sample.portions.portion.analytes.analyte.5.aliquots.aliquot.3.da
  12  13  18  19 NA's
   1  30   9  19  540

patient.samples.sample.portions.portion.analytes.analyte.5.aliquots.aliquot.3.is
no NA's
 59  540

patient.samples.sample.portions.portion.analytes.analyte.5.aliquots.aliquot.3.mo
   2   7   9  11 NA's
  30   9   1  19  540

patient.samples.sample.portions.portion.analytes.analyte.5.aliquots.aliquot.3.pl
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.   NA's
1.000  1.000    2.000  2.356  3.000   5.000   540

patient.samples.sample.portions.portion.analytes.analyte.5.aliquots.aliquot.3.pl
 225  252  319  411 NA's
   9   1  30  19  540

patient.samples.sample.portions.portion.analytes.analyte.5.aliquots.aliquot.3.qu
   5  200 NA's
  19  40  540

patient.samples.sample.portions.portion.analytes.analyte.5.aliquots.aliquot.3.so
 22 NA's
 59  540

patient.samples.sample.portions.portion.analytes.analyte.5.aliquots.aliquot.3.vo
  10  400 NA's
  19  40  540

patient.samples.sample.portions.portion.analytes.analyte.5.aliquots.aliquot.3.ye
2007 2008 NA's
  10  49  540

patient.samples.sample.portions.portion.analytes.analyte.5.aliquots.aliquot.4.ce
   2   8 NA's
  39   1  559

patient.samples.sample.portions.portion.analytes.analyte.5.aliquots.aliquot.4.co
 0.5 NA's
  40  559

patient.samples.sample.portions.portion.analytes.analyte.5.aliquots.aliquot.4.da
  12  13  18 NA's
   1  30   9  559

patient.samples.sample.portions.portion.analytes.analyte.5.aliquots.aliquot.4.is

```



```

no NA's
40 559

patient.samples.sample.portions.portion.analytes.analyte.5.aliquots.aliquot.4.mo
  2   7   9 NA's
30   9   1 559

patient.samples.sample.portions.portion.analytes.analyte.5.aliquots.aliquot.4.pl
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.   NA's
  1.00   1.00   2.00   2.35   3.00   5.00   559

patient.samples.sample.portions.portion.analytes.analyte.5.aliquots.aliquot.4.pl
226 254 320 NA's
  9   1  30 559

patient.samples.sample.portions.portion.analytes.analyte.5.aliquots.aliquot.4.qu
 14 200 NA's
 39   1 559

patient.samples.sample.portions.portion.analytes.analyte.5.aliquots.aliquot.4.sc
 22 NA's
 40 559

patient.samples.sample.portions.portion.analytes.analyte.5.aliquots.aliquot.4.vo
 28 400 NA's
 39   1 559

patient.samples.sample.portions.portion.analytes.analyte.5.aliquots.aliquot.4.ye
2007 2008 NA's
 10  30 559

patient.samples.sample.portions.portion.analytes.analyte.5.aliquots.aliquot.cent
  2   8  10 NA's
  1  19  39 540

patient.samples.sample.portions.portion.analytes.analyte.5.aliquots.aliquot.conc
 0.5 NA's
 59 540

patient.samples.sample.portions.portion.analytes.analyte.5.aliquots.aliquot.day_
 12 13  18  19 NA's
  1 30   9  19 540

patient.samples.sample.portions.portion.analytes.analyte.5.aliquots.aliquot.is_d
no NA's
 59 540

patient.samples.sample.portions.portion.analytes.analyte.5.aliquots.aliquot.mont
  2   7   9  11 NA's

```

30 9 1 19 540

patient.samples.sample.portions.portion.analytes.analyte.5.aliquots.aliquot.plat

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1.000	1.000	2.000	2.356	3.000	5.000	540

patient.samples.sample.portions.portion.analytes.analyte.5.aliquots.aliquot.plat

223 248 317 409 NA's
9 1 30 19 540

patient.samples.sample.portions.portion.analytes.analyte.5.aliquots.aliquot.quant

5 14 200 NA's
19 1 39 540

patient.samples.sample.portions.portion.analytes.analyte.5.aliquots.aliquot.sour

22 NA's
59 540

patient.samples.sample.portions.portion.analytes.analyte.5.aliquots.aliquot.vol

10 28 400 NA's
19 1 39 540

patient.samples.sample.portions.portion.analytes.analyte.5.aliquots.aliquot.year

2007 2008 NA's
10 49 540

patient.samples.sample.portions.portion.analytes.analyte.5.amount:

0 120 NA's
40 19 540

patient.samples.sample.portions.portion.analytes.analyte.5.analyte_type:

repli-g (qiagen) dna	NA's
59	540

patient.samples.sample.portions.portion.analytes.analyte.5.analyte_type_id:

w NA's
59 540

patient.samples.sample.portions.portion.analytes.analyte.5.concentration:

0.5 NA's
59 540

patient.samples.sample.portions.portion.analytes.analyte.5.dna.normal_tumor_gen

yes NA's
59 540

patient.samples.sample.portions.portion.analytes.analyte.5.dna.pcr_amplification

no NA's
59 540

patient.samples.sample.portions.portion.analytes.analyte.5.gel_image_file:
<https://sharedoc.nchri.org/tcga-bcr/default.aspx>

59

NA's

540

patient.samples.sample.portions.portion.analytes.analyte.5.is_derived_from_ffpe:

no NA's

59 540

patient.samples.sample.portions.portion.analytes.analyte.5.protocols.protocol.ex

repli-g NA's

59 540

patient.samples.sample.portions.portion.analytes.analyte.5.spectrophotometer_met

picogreen uv spec NA's

19 40 540

patient.samples.sample.portions.portion.analytes.analyte.a260_a280_ratio:

Min. 1st Qu. Median Mean 3rd Qu. Max. NA's

1.790 1.900 1.900 1.898 1.900 2.000 25

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.10.bcr

tcga-06-0152-01a-02d-a45w-05 tcga-06-0210-01a-01d-a45w-05

1

1

tcga-06-0221-01a-01d-a45w-05 tcga-16-1460-01a-01d-2294-05

1

1

NA's

595

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.10.bcr

08506a52-971a-4d31-bc29-85e7b8dfbab3 1c67bb3c-3aca-46a4-9b45-696e2c842e49

1

1

44a646bb-538e-4425-a397-990500d6aef3 adbc6369-5071-4291-a6f3-d8c0cd9d9876

1

1

NA's

595

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.10.bio

120990307 167788716 167788812 167814100 NA's

1

1

1

1

595

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.10.cen

5 NA's

4 595

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.10.con

0.15 0.16 0.17 0.18 NA's

1

1

1

1

595

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.10.day

```

4      24 NA's
1      3   595

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.10.is_
no NA's
4   595

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.10.mon
6      9 NA's
1      3   595

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.10.pla
1      5 NA's
3      1   595

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.10.pla
2294 a45w NA's
1      3   595

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.10.pla
b     e     g NA's
1     2     1   595

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.10.qua
2.08 2.21 2.34     6 NA's
1     1     1     1   595

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.10.sou
22    23 NA's
1     3   595

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.10.vol
13    40 NA's
3     1   595

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.10.yea
2012 2014 NA's
1     3   595

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.2.bios
      Min.    1st Qu.    Median    Mean    3rd Qu.    Max.    NA's
9.129e+07 9.752e+07 1.087e+08 4.047e+08 1.050e+09 1.054e+09    371

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.2.cent
      Min. 1st Qu.  Median    Mean 3rd Qu.    Max.    NA's
1.000   2.000   4.000   3.472  4.000   8.000    33

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.2.conc
      Min. 1st Qu.  Median    Mean 3rd Qu.    Max.    NA's
0.0500  0.1500  0.1500  0.1691  0.1700  0.6700    33

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patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.2.day_
  Min. 1st Qu.  Median      Mean 3rd Qu.    Max.    NA's
  3.00  13.00   23.00   20.28  28.00   30.00    33

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.2.is_d
  no NA's
  566   33

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.2.mont
  Min. 1st Qu.  Median      Mean 3rd Qu.    Max.    NA's
  1.000  4.000   6.000   6.417  9.000  12.000    33

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.2.plat
  Min. 1st Qu.  Median      Mean 3rd Qu.    Max.    NA's
  1.000  2.000   3.000   3.348  4.000  10.000    33

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.2.quant
  Min. 1st Qu.  Median      Mean 3rd Qu.    Max.    NA's
  1.300  3.000   3.760   3.853  4.270   7.200    33

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.2.sour
  22  23 NA's
  549 17  33

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.2.volun
  Min. 1st Qu.  Median      Mean 3rd Qu.    Max.    NA's
  6.67  20.00   26.70   24.43  26.70   40.00    33

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.2.year
  Min. 1st Qu.  Median      Mean 3rd Qu.    Max.    NA's
  2007  2007   2009   2009   2010   2014    33

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.3.bios
  Min. 1st Qu.  Median      Mean 3rd Qu.    Max.    NA's
  8.957e+07 9.751e+07 1.087e+08 4.057e+08 1.050e+09 1.054e+09    372

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.3.cent
  Min. 1st Qu.  Median      Mean 3rd Qu.    Max.    NA's
  3.000  5.000   6.000   5.749  6.000   8.000    41

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.3.conc
  Min. 1st Qu.  Median      Mean 3rd Qu.    Max.    NA's
  0.0500 0.1500 0.1500 0.1646 0.1700 0.6700    41

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.3.day_
  Min. 1st Qu.  Median      Mean 3rd Qu.    Max.    NA's
  3.00  13.00   20.00   20.27  28.00   30.00    41

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patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.3.is_d
no NA's
558 41

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.3.mont
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
1.000 4.000 6.000 6.495 9.000 12.000 41

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.3.plat
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
1.000 2.000 3.000 3.419 5.000 10.000 41

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.3.quant
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
0.840 2.000 2.120 2.546 2.985 8.000 41

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.3.sour
22 23 NA's
541 17 41

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.3.vol
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
6.00 13.30 13.30 18.41 13.30 60.00 41

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.3.year
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
2007 2007 2009 2009 2010 2014 41

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.4.bios
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
8.958e+07 9.752e+07 1.087e+08 4.210e+08 1.050e+09 1.054e+09 389

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.4.cent
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
1.000 2.000 2.000 3.426 5.000 8.000 59

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.4.conc
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
0.0500 0.1400 0.1500 0.1583 0.1700 0.6700 59

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.4.day_
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
3.00 13.00 20.00 19.97 28.00 30.00 59

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.4.is_d
no NA's
540 59

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.4.mont
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 1.000 4.000 6.000 6.439 9.000 12.000 59

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.4.plat
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 1.000 2.000 3.000 3.206 4.000 9.000 59

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.4.plat
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 185.0 278.0 520.0 729.9 914.0 2280.0 59

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.4.quan
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 1.040 2.800 3.000 3.309 3.340 13.400 59

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.4.sour
 22 NA's
 540 59

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.4.vol
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 5.80 20.00 20.00 23.65 20.00 60.00 59

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.4.year
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 2007 2007 2009 2009 2010 2012 59

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.5.bios
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 89573766 89573817 97515339 95178147 97516259 103949990 499

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.5.cent
 1 2 5 8 NA's
 2 1 400 22 174

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.5.conc
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 0.0500 0.1500 0.1500 0.1722 0.1700 0.6700 174

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.5.day_
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 3.00 13.00 20.00 19.12 28.00 30.00 174

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.5.is_d
 no NA's
 425 174

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.5.mont
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 1.000 4.000 5.000 6.261 9.000 11.000 174

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.5.plat
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 1.000 2.000 3.000 3.209 4.000 11.000 174

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.5.plat
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 186.0 279.0 392.0 496.1 595.0 1353.0 174

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.5.quant
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 0.320 1.860 2.000 2.227 2.240 6.700 174

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.5.sour
 22 NA's
 425 174

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.5.volun
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 2.00 10.00 13.30 14.36 13.30 40.00 174

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.5.year
 2007 2008 2009 2010 NA's
 159 73 93 100 174

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.6.bios
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 9.649e+07 9.754e+07 9.754e+07 5.204e+08 1.050e+09 1.050e+09 358

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.6.cent
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 1.000 1.000 5.000 4.732 8.000 10.000 229

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.6.conc
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 0.0500 0.0500 0.1500 0.1518 0.1700 0.6700 229

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.6.day_
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 2.00 3.00 7.00 10.19 18.00 27.00 229

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.6.is_d
 no NA's
 370 229

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.6.mont

	Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
	1.000	1.000	5.000	5.373	11.000	12.000	229
patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.6.plat							
	1.000	2.000	4.000	4.351	6.000	12.000	229
patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.6.plat							
	209.0	512.0	1003.0	931.6	1492.0	2294.0	229
patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.6.quant							
	0.100	0.530	1.075	1.798	2.000	64.790	229
patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.6.sour							
	22	NA's					
	370	229					
patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.6.volun							
	0.60	3.33	6.70	18.40	40.00	341.00	229
patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.6.year							
	2007	2009	2010	2010	2011	2012	229
patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.7.bios							
	9.649e+07	9.754e+07	1.050e+09	6.841e+08	1.050e+09	1.076e+09	438
patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.7.cent							
	1.000	7.000	8.000	6.581	9.000	9.000	384
patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.7.conc							
	0.0500	0.0500	0.1400	0.1252	0.1700	0.5700	384
patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.7.day_							
	3.000	3.000	7.000	9.433	15.000	29.000	384
patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.7.is_d							
	no	NA's					
	215	384					
patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.7.mont							
	Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's

1.000	1.000	4.000	2.902	4.000	11.000	384
patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.7.plat						
Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1.000	2.000	4.000	3.846	5.000	12.000	384
patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.7.quan						
Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0.140	1.500	2.000	2.289	3.750	9.990	384
patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.7.sour						
22	23	NA's				
214	1	384				
patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.7.vol						
Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
2.000	6.685	30.000	26.581	40.000	60.000	384
patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.7.year						
Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
2008	2010	2010	2010	2011	2014	384
patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.8.bios						
Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
9.649e+07	1.050e+09	1.050e+09	8.216e+08	1.050e+09	1.076e+09	538
patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.8.cent						
Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1.000	8.000	8.000	7.079	8.000	9.000	536
patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.8.conc						
Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0.050	0.050	0.050	0.091	0.130	0.570	536
patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.8.day_						
Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
3.000	3.000	3.000	8.365	13.000	29.000	536
patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.8.is_d						
no NA's						
63	536					
patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.8.mont						
Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1.000	1.000	1.000	2.444	4.000	9.000	536
patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.8.plat						
Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's

1.000 1.000 2.000 2.714 4.000 10.000 536

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.8.quant

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0.340	1.500	2.000	1.712	2.000	2.080	536

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.8.sour

22	23	NA's
60	3	536

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.8.vol

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
2.00	13.00	40.00	30.24	40.00	40.00	536

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.8.year

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
2009	2011	2011	2011	2011	2014	536

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.9.bios

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1.087e+08	1.210e+08	1.678e+08	4.882e+08	1.050e+09	1.076e+09	578

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.9.cent

5	8	9	NA's
7	7	7	578

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.9.conc

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0.0500	0.0500	0.0800	0.1033	0.1500	0.1700	578

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.9.day_

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
2.00	3.00	4.00	11.76	21.00	29.00	578

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.9.is_d

no NA's
21 578

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.9.mont

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1.000	1.000	4.000	4.619	8.000	10.000	578

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.9.plat

1	2	4	5	NA's
10	1	5	5	578

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.9.quant
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 0.930 1.500 2.000 2.485 2.000 6.400 578

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.9.sour
 22 23 NA's
 15 6 578

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.9.vol
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 6.67 13.00 30.00 26.94 40.00 40.00 578

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.9.year
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 2011 2011 2012 2012 2013 2015 578

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.biospe
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 9.129e+07 9.752e+07 1.040e+08 2.602e+08 1.087e+08 1.054e+09 372

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.center
 1 5 6 7 NA's
 522 32 36 3 6

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.concen
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 0.1000 0.1500 0.1500 0.1772 0.1700 0.6700 6

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.day_of
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 3.00 14.00 23.00 20.41 28.00 30.00 6

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.is_der
 no NA's
 593 6

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.month_
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 1.000 4.000 6.000 6.189 9.000 12.000 6

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.plate_
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 1.000 2.000 3.000 3.381 4.000 10.000 6

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.quant
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 0.560 1.000 1.010 1.518 1.140 7.320 6

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.source
 22 23 NA's
 576 17 6

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.volume
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 4.000 6.670 6.700 8.724 6.700 33.300 6

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.year_o
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 2007 2007 2009 2009 2010 2014 6

patient.samples.sample.portions.portion.analytes.analyte.amount:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 0.00 78.97 211.35 259.39 395.00 1189.73 6

patient.samples.sample.portions.portion.analytes.analyte.analyte_type:
 dna genomeplex (rubicon) amplified dna
 587 3
 rna total rna
 1 2
 NA's
 6

patient.samples.sample.portions.portion.analytes.analyte.analyte_type_id:
 d g r t NA's
 587 3 1 2 6

patient.samples.sample.portions.portion.analytes.analyte.bcr_biospecimen_canonic
 portioning study NA's
 2 597

patient.samples.sample.portions.portion.analytes.analyte.concentration:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 0.0700 0.1500 0.1500 0.1775 0.1700 0.6700 6

patient.samples.sample.portions.portion.analytes.analyte.dna.normal_tumor_genoty
 yes NA's
 590 9

patient.samples.sample.portions.portion.analytes.analyte.dna.pcr_amplification_s
 no yes NA's
 150 440 9

patient.samples.sample.portions.portion.analytes.analyte.gel_image_file:
<https://sharedoc.nchri.org/tcga-bcr/default.aspx>
 593
 NA's
 6

```

patient.samples.sample.portions.portion.analytes.analyte.is_derived_from_ffpe:
  no NA's
  593    6

patient.samples.sample.portions.portion.analytes.analyte.protocols.protocol.expe
adna preparation type allprep rna extraction          genomplex
                587                                1                3
                total rna                          NA's
                2                                6

patient.samples.sample.portions.portion.analytes.analyte.rna.ratio_28s_18s:
  1 NA's
  1  598

patient.samples.sample.portions.portion.analytes.analyte.rna.rinvalue:
  8.3 NA's
  1  598

patient.samples.sample.portions.portion.analytes.analyte.spectrophotometer_metho
picogreen  uv spec      NA's
          17      576      6

patient.samples.sample.portions.portion.analytes.analyte.subportion_sequence:
  1    2 NA's
  60   9  530

patient.samples.sample.portions.portion.day_of_creation:
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.    NA's
  1.00   4.00   4.00  10.44  17.00   31.00     5

patient.samples.sample.portions.portion.is_ffpe:
  no NA's
  594    5

patient.samples.sample.portions.portion.month_of_creation:
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.    NA's
  1.000  2.000  2.000  4.557  8.000  12.000     5

patient.samples.sample.portions.portion.portion_number:
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.    NA's
  1.000  1.000  1.000  2.377  1.000  31.000     5

patient.samples.sample.portions.portion.portion_sequence:
  1    2    3 NA's
  22   6    1  570

patient.samples.sample.portions.portion.slides.slide.2.is_derived_from_ffpe:

```

```

no NA's
562 37

patient.samples.sample.portions.portion.slides.slide.2.percent_lymphocyte_infiltration:
0 50 70 100 NA's
40 1 1 7 550

patient.samples.sample.portions.portion.slides.slide.2.percent_monocyte_infiltration:
0 50 100 NA's
12 1 1 585

patient.samples.sample.portions.portion.slides.slide.2.percent_necrosis:
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
0.000 0.000 5.000 9.904 15.000 100.000 37

patient.samples.sample.portions.portion.slides.slide.2.percent_neutrophil_infiltration:
0 80 100 NA's
15 1 4 579

patient.samples.sample.portions.portion.slides.slide.2.percent_normal_cells:
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
0.000 0.000 0.000 2.182 0.000 100.000 56

patient.samples.sample.portions.portion.slides.slide.2.percent_stromal_cells:
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
0.000 0.000 0.000 4.301 5.000 90.000 45

patient.samples.sample.portions.portion.slides.slide.2.percent_tumor_cells:
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
0.00 80.00 90.00 83.93 98.00 100.00 40

patient.samples.sample.portions.portion.slides.slide.2.percent_tumor_nuclei:
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
0.00 80.00 90.00 88.54 100.00 100.00 37

patient.samples.sample.portions.portion.slides.slide.2.section_location:
bottom top NA's
38 524 37

patient.samples.sample.portions.portion.slides.slide.is_derived_from_ffpe:
no NA's
594 5

patient.samples.sample.portions.portion.slides.slide.percent_lymphocyte_infiltration:
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
0.00 0.00 0.00 13.56 0.00 100.00 527

patient.samples.sample.portions.portion.slides.slide.percent_monocyte_infiltration:
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's

```

0.000 0.000 0.000 5.649 0.000 100.000 562

patient.samples.sample.portions.portion.slides.slide.percent_necrosis:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0.00	0.00	5.00	10.91	18.00	85.00	5

patient.samples.sample.portions.portion.slides.slide.percent_neutrophil_infiltra

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0.00	0.00	0.00	10.65	0.00	100.00	556

patient.samples.sample.portions.portion.slides.slide.percent_normal_cells:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0.00	0.00	0.00	2.47	0.00	100.00	24

patient.samples.sample.portions.portion.slides.slide.percent_stromal_cells:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0.000	0.000	0.000	4.976	5.000	100.000	10

patient.samples.sample.portions.portion.slides.slide.percent_tumor_cells:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0.00	75.00	85.00	81.67	95.00	100.00	8

patient.samples.sample.portions.portion.slides.slide.percent_tumor_nuclei:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0	80	90	88	100	100	5

patient.samples.sample.portions.portion.slides.slide.section_location:

bottom	top	NA's
524	70	5

patient.samples.sample.portions.portion.weight:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
18.0	71.0	112.0	109.5	139.0	872.0	94

patient.samples.sample.portions.portion.year_of_creation:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
2008	2009	2009	2009	2010	2014	5

patient.samples.sample.portions.shipment_portion.center_id:

20	NA's
232	367

patient.samples.sample.portions.shipment_portion.is_ffpe:

no	NA's
232	367

patient.samples.sample.portions.shipment_portion.portion_number:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
3.00	13.00	21.00	18.66	21.00	41.00	367

patient.samples.sample.portions.shipment_portion.portion_sequence:

1	2	3	NA's
1	11	1	586

patient.samples.sample.portions.shipment_portion.shipment_portion_day_of_shipment:

9	12	20	NA's
16	2	214	367

patient.samples.sample.portions.shipment_portion.shipment_portion_month_of_shipment:

3	7	NA's
2	230	367

patient.samples.sample.portions.shipment_portion.shipment_portion_year_of_shipment:

2011	2012	2014	NA's
214	2	16	367

patient.samples.sample.sample_type:

primary tumor	NA's
595	4

patient.samples.sample.sample_type_id:

1	NA's
595	4

patient.samples.sample.shortest_dimension:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0.0250	0.3000	0.4000	0.4352	0.6000	1.0000	93

patient.samples.sample.vial_number:

a	b	c	NA's
543	46	6	4

Study:

Glioblastoma multiforme
599

BCR:

IGC NCH
592 7

Whole.exome:

No	Yes
277	322

Whole.genome:

No	Yes
547	52

RNAseq:

No	Yes
----	-----

445 154

SNP6:

No Yes

28 571

U133a:

No Yes

71 528

HM450:

No Yes

470 129

HM27:

No Yes

314 285

RPPA:

No Yes

384 215

Histology:

glioblastoma	NA's
590	9

Grade:

G4 NA's

590 9

Age..years.at.diagnosis.:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
10.00	50.00	59.00	57.82	68.00	89.00	9

Gender:

female	male	NA's
228	362	9

Survival..months.:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0.06571	5.23214	10.53000	14.81416	17.56916	127.50987	9

Vital.status..1.dead.:

0	1	NA's
145	444	10

Karnofsky.Performance.Score:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
20.00	70.00	80.00	77.45	80.00	100.00	164

Mutation.Count:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
------	---------	--------	------	---------	------	------

0.00 40.00 51.00 51.81 63.00 190.00 292

Percent.aneuploidy:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0.000007	0.150216	0.188242	0.252049	0.278424	0.947696	17

IDH.status:

Mutant	WT	NA's
38	441	120

X1p.19q.codeletion:

code1	non-code1	NA's
2	575	22

IDH.code1.subtype:

IDHmut-code1	IDHmut-non-code1	IDHwt	NA's
2	33	426	138

MGMT.promoter.status:

Methylated	Unmethylated	NA's
188	226	185

Chr.7.gain.Chr.10.loss:

Gain chr 7 & loss chr 10	No combined CNA	NA's
378	193	28

Chr.19.20.co.gain:

Gain chr 19/20	No chr 19/20 gain	NA's
93	478	28

TERT.promoter.status:

Mutant	WT	NA's
32	5	562

TERT.expression..log2.:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0.000	2.807	4.357	3.983	5.484	10.510	445

TERT.expression.status:

Expressed	Not expressed	NA's
127	27	445

ATRX.status:

Mutant	WT	NA's
21	286	292

DAXX.status:

Mutant	WT	NA's
2	305	292

Telomere.Maintenance:

ATRX TERT NA's

5 30 564

BRAF.V600E.status:

Mutant	WT	NA's
4	303	292

BRAF.KIAA1549.fusion:

WT	NA's
154	445

ABSOLUTE.purity:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0.1700	0.6250	0.7800	0.7338	0.8800	1.0000	56

ABSOLUTE.ploidy:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1.080	1.950	2.000	2.259	2.060	6.620	56

ESTIMATE.stromal.score:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
-264.3	802.1	1266.2	1340.7	1719.6	3537.9	445

ESTIMATE.immune.score:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
177.6	1343.7	2030.7	1967.5	2559.8	4285.2	445

ESTIMATE.combined.score:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
-61.17	2212.34	3277.18	3308.16	4327.24	7521.69	445

Transcriptome.Subtype:

CL	ME	NE	PN	NA's
157	178	62	107	95

RPPA.cluster:

K1	K2	NA's
214	1	384

Telomere.length.estimate.in.blood.normal..Kb.:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
3.239	5.122	6.034	5.795	6.430	8.870	547

Telomere.length.estimate.in.tumor..Kb.:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1.238	2.390	3.960	4.933	5.423	16.872	547

HNSC

*Head and Neck squamous cell carcinoma***Description**

A document describing the TCGA cancer code

Details

```
> experiments( HNSC )
ExperimentList class object of length 11:
 [1] CNASeq-20160128: RaggedExperiment with 32905 rows and 225 columns
 [2] CNASNP-20160128: RaggedExperiment with 499142 rows and 1090 columns
 [3] CNVSNP-20160128: RaggedExperiment with 110289 rows and 1089 columns
 [4] GISTIC_AllByGene-20160128: SummarizedExperiment with 24776 rows and 522 columns
 [5] GISTIC_ThresholdedByGene-20160128: SummarizedExperiment with 24776 rows and 522 columns
 [6] Methylation-20160128: SummarizedExperiment with 485577 rows and 580 columns
 [7] miRNASeqGene-20160128: SummarizedExperiment with 1046 rows and 532 columns
 [8] Mutation-20160128: RaggedExperiment with 51799 rows and 279 columns
 [9] RNASeq2GeneNorm-20160128: SummarizedExperiment with 20501 rows and 566 columns
 [10] RNASeqGene-20160128: SummarizedExperiment with 20502 rows and 294 columns
 [11] RPPAArray-20160128: SummarizedExperiment with 160 rows and 212 columns

> rownames( HNSC )
CharacterList of length 11
[["CNASeq-20160128"]] character(0)
[["CNASNP-20160128"]] character(0)
[["CNVSNP-20160128"]] character(0)
[["GISTIC_AllByGene-20160128"]] ACAP3 ACTRT2 ... WASIR1|ENSG00000185203.7
[["GISTIC_ThresholdedByGene-20160128"]] ACAP3 ... WASIR1|ENSG00000185203.7
[["Methylation-20160128"]] cg00000029 cg00000108 ... rs966367 rs9839873
[["miRNASeqGene-20160128"]] hsa-let-7a-1 hsa-let-7a-2 ... hsa-mir-99b
[["Mutation-20160128"]] character(0)
[["RNASeq2GeneNorm-20160128"]] A1BG A1CF A2BP1 A2LD1 ... ZZZ3 psiTPTE22 tAKR
[["RNASeqGene-20160128"]] A1BG A1CF A2BP1 A2LD1 ... ZZEF1 ZZZ3 psiTPTE22 tAKR
...
<1 more element>

> colnames( HNSC )
CharacterList of length 11
[["CNASeq-20160128"]] TCGA-BA-4074-01A-01D-1431-02 ...
[["CNASNP-20160128"]] TCGA-4P-AA8J-01A-11D-A390-01 ...
[["CNVSNP-20160128"]] TCGA-4P-AA8J-01A-11D-A390-01 ...
[["GISTIC_AllByGene-20160128"]] TCGA-4P-AA8J-01A-11D-A390-01 ...
[["GISTIC_ThresholdedByGene-20160128"]] TCGA-4P-AA8J-01A-11D-A390-01 ...
[["Methylation-20160128"]] TCGA-4P-AA8J-01A-11D-A392-05 ...
[["miRNASeqGene-20160128"]] TCGA-4P-AA8J-01A-11R-A39B-13 ...
[["Mutation-20160128"]] TCGA-BA-4074-01A-01D-1434-08 ...
[["RNASeq2GeneNorm-20160128"]] TCGA-4P-AA8J-01A-11R-A39I-07 ...
```

```
[["RNASeqGene-20160128"]] TCGA-BA-4074-01A-01R-1436-07 ...
...
<1 more element>
```

Sizes of each ExperimentList element:

		assay	size.Mb
1		CNASeq-20160128	1 Mb
2		CNASNP-20160128	13.6 Mb
3		CNVSNP-20160128	3.2 Mb
4	GISTIC_AllByGene-20160128		4.4 Mb
5	GISTIC_ThresholdedByGene-20160128		4.4 Mb
6	Methylation-20160128		67.5 Mb
7	miRNASeqGene-20160128		0.1 Mb
8	Mutation-20160128		65.6 Mb
9	RNASeq2GeneNorm-20160128		1.2 Mb
10	RNASeqGene-20160128		1.1 Mb
11	RPPAArray-20160128		0 Mb

Overall survival time-to-event summary (in years):

```
Call: survfit(formula = survival::Surv(colDat$days_to_death/365, colDat$vital_status - 1)
```

```
305 observations deleted due to missingness
      n events median 0.95LCL 0.95UCL
223.00 223.00   1.18   1.06   1.35
```

Available sample meta-data:

years_to_birth:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
19.00	53.00	61.00	60.91	69.00	89.00	1

vital_status:

0	1
304	224

days_to_death:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
2.0	260.0	430.0	740.0	814.5	6417.0	305

days_to_last_followup:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
11.0	529.5	851.0	1042.9	1404.0	5480.0	225

NA's
15

ethnicity:

hispanic or latino	not hispanic or latino	NA's
26	465	37

admin.bcr:
 nationwide children's hospital
 528

admin.day_of_dcc_upload:

1	17	24
526	1	1

admin.disease_code:
 hnscc
 528

admin.month_of_dcc_upload:

9	10
2	526

admin.patient_withdrawal.withdrawn:
 false
 528

admin.project_code:
 tcga
 528

admin.year_of_dcc_upload:
 2015
 528

patient.age_at_initial_pathologic_diagnosis:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
19.00	53.00	61.00	60.91	69.00	90.00	1

patient.alcohol_history_documented:

no	yes	NA's
165	352	11

patient.amount_of_alcohol_consumption_per_day:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0.000	0.000	2.000	3.239	5.000	33.000	307

patient.clinical_cqcf.consent_or_death_status:
 consented deceased

412 116

```

patient.clinical_cqcf.days_to_consent:
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.   NA's
-192.00  -1.00   10.00   59.57  34.00 1286.00   117

patient.clinical_cqcf.days_to_death:
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.   NA's
  2.0  257.5   456.0   865.2 1011.0  6417.0   413

patient.clinical_cqcf.histological_type:
      head and neck squamous cell carcinoma
                                           517
head and neck squamous cell carcinoma spindle cell variant
                                           1
      head and neck squamous cell carcinoma basaloid type
                                           10

patient.clinical_cqcf.history_of_neoadjuvant_treatment:
                                           no
                                           518
yes, pharmaceutical treatment prior to resection
                                           1
      yes, radiation prior to resection
                                           9

patient.clinical_cqcf.history_of_prior_malignancy:
                                           no
                                           491
      yes, history of prior malignancy
                                           21
yes, history of synchronous and or bilateral malignancy
                                           14
                                           NA's
                                           2

patient.clinical_cqcf.normal_tissue_proximity:
distal (>2cm)      NA's
                    59      469

patient.clinical_cqcf.other_anatomic_site_normal_tissue:
blood NA's
  1  527

patient.clinical_cqcf.tumor_type:
primary
  528

patient.day_of_form_completion:

```

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1.00	8.00	14.00	15.35	23.00	31.00	11
patient.days_to_birth:						
Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
-32871	-25248	-22317	-22426	-19474	-7301	1
patient.days_to_death:						
Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
2.0	217.0	410.5	750.1	800.2	6417.0	358
patient.days_to_initial_pathologic_diagnosis:						
0 NA's						
527	1					
patient.days_to_last_followup:						
Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
-2.0	173.0	369.0	623.5	851.0	5480.0	163
patient.days_to_last_known_alive:						
Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
98.0	483.0	848.5	1226.9	1647.5	3930.0	506
patient.drugs.drug.10.bcr_drug_barcode:						
tcga-cr-7404-d31335			NA's			
1			527			
patient.drugs.drug.10.bcr_drug_uuid:						
9ba61073-c6e7-43b8-b8a3-58776bd5447e						NA's
1						527
patient.drugs.drug.10.clinical_trial_drug_classification:						
phase i trial		NA's				
1		527				
patient.drugs.drug.10.day_of_form_completion:						
30 NA's						
1		527				
patient.drugs.drug.10.days_to_drug_therapy_end:						
1318 NA's						
1		527				
patient.drugs.drug.10.days_to_drug_therapy_start:						
1297 NA's						
1		527				
patient.drugs.drug.10.measure_of_response:						
clinical progressive disease					NA's	
1					527	
patient.drugs.drug.10.month_of_form_completion:						

4 NA's
1 527

patient.drugs.drug.10.therapy_ongoing:
no NA's
1 527

patient.drugs.drug.10.therapy_types.therapy_type:
chemotherapy NA's
1 527

patient.drugs.drug.10.tx_on_clinical_trial:
yes NA's
1 527

patient.drugs.drug.10.year_of_form_completion:
2012 NA's
1 527

patient.drugs.drug.11.bcr_drug_barcode:
tcga-cr-7404-d31336 NA's
1 527

patient.drugs.drug.11.bcr_drug_uuid:
5ca7e448-99a9-48ac-8237-bcaca6501f19 NA's
1 527

patient.drugs.drug.11.day_of_form_completion:
30 NA's
1 527

patient.drugs.drug.11.days_to_drug_therapy_end:
1416 NA's
1 527

patient.drugs.drug.11.days_to_drug_therapy_start:
1332 NA's
1 527

patient.drugs.drug.11.drug_name:
pemetrexed NA's
1 527

patient.drugs.drug.11.month_of_form_completion:
4 NA's
1 527

patient.drugs.drug.11.therapy_ongoing:
no NA's
1 527

patient.drugs.drug.11.therapy_types.therapy_type:

chemotherapy		NA's					
	1	527					
patient.drugs.drug.11.tx_on_clinical_trial:							
		no NA's					
	1	527					
patient.drugs.drug.11.year_of_form_completion:							
		2012 NA's					
	1	527					
patient.drugs.drug.2.day_of_form_completion:							
	Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
	2.00	11.00	17.00	17.15	23.50	30.00	448
patient.drugs.drug.2.days_to_drug_therapy_end:							
	Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
	13.0	84.0	113.0	281.4	292.0	3259.0	455
patient.drugs.drug.2.days_to_drug_therapy_start:							
	Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
	9.00	43.75	98.50	250.50	250.75	3246.00	452
patient.drugs.drug.2.measure_of_response:							
	clinical	progressive disease				complete response	
			9				20
		partial response				stable disease	
			1				2
			NA's				
			496				
patient.drugs.drug.2.month_of_form_completion:							
	Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
	1.000	4.000	6.000	6.287	9.000	12.000	448
patient.drugs.drug.2.number_cycles:							
	Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
	1.000	2.000	2.500	3.286	5.000	9.000	500
patient.drugs.drug.2.prescribed_dose:							
	Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
	1.00	1.25	30.00	92.80	87.50	692.00	505
patient.drugs.drug.2.regimen_indication:							
		adjuvant	other: specify in notes				palliative
		12				11	6
		recurrence				NA's	
		8				491	

```

patient.drugs.drug.2.regimen_indication_notes:
      induction primary: concurrent primary: induction      NA's
              1              9              1              517

patient.drugs.drug.2.regimen_number:
      1      2      3 NA's
      23     10     1  494

patient.drugs.drug.2.route_of_administrations.route_of_administration:
intravenous (iv)              oral              NA's
              33              1              494

patient.drugs.drug.2.therapy_ongoing:
      no  yes NA's
      75   5  448

patient.drugs.drug.2.therapy_types.therapy_type:
              chemotherapy              immunotherapy
              75              1
targeted molecular therapy              NA's
              4              448

patient.drugs.drug.2.therapy_types.therapy_type.2:
targeted molecular therapy              NA's
              1              527

patient.drugs.drug.2.total_dose:
      Min. 1st Qu.  Median    Mean 3rd Qu.    Max.    NA's
      10.0   50.0   300.0   387.4  519.0  1105.0   519

patient.drugs.drug.2.total_dose_units:
      auc    mg mg/m2 mg/ml  NA's
      1      5      1      7   514

patient.drugs.drug.2.tx_on_clinical_trial:
      no  yes NA's
      35   7  486

patient.drugs.drug.2.year_of_form_completion:
      Min. 1st Qu.  Median    Mean 3rd Qu.    Max.    NA's
      2010   2011   2012    2012   2013   2015    448

patient.drugs.drug.3.day_of_form_completion:
      Min. 1st Qu.  Median    Mean 3rd Qu.    Max.    NA's
      2.00  14.00  21.00   19.03  24.00   30.00   489

patient.drugs.drug.3.days_to_drug_therapy_end:
      Min. 1st Qu.  Median    Mean 3rd Qu.    Max.    NA's
      34.0  103.8  181.0   404.2  428.0  2799.0   492

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patient.drugs.drug.3.days_to_drug_therapy_start:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
9.0	63.5	149.5	369.8	455.5	2786.0	492

patient.drugs.drug.3.measure_of_response:

clinical progressive disease	8	complete response	7
stable disease	2	NA's	511

patient.drugs.drug.3.month_of_form_completion:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1.000	4.000	8.000	7.128	10.000	12.000	489

patient.drugs.drug.3.number_cycles:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
2.000	3.000	3.500	4.643	6.750	9.000	514

patient.drugs.drug.3.prescribed_dose:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
2.0	32.5	60.0	328.3	171.5	1831.0	518

patient.drugs.drug.3.prescribed_dose_units:

auc	mg	mg/m2	mg/ml	NA's
1	3	7	1	516

patient.drugs.drug.3.regimen_indication:

adjuvant other: specify in notes	1	7	palliative	6
recurrence	3	511	NA's	

patient.drugs.drug.3.regimen_indication_notes:

primary primary: concurrent	1	2	primary: induction	4	NA's
					521

patient.drugs.drug.3.regimen_number:

1	2	3	5	NA's
4	8	2	1	513

patient.drugs.drug.3.route_of_administrations.route_of_administration:

intravenous (iv)	16	NA's	512
------------------	----	------	-----

patient.drugs.drug.3.therapy_ongoing:

no	yes	NA's
37	2	489

patient.drugs.drug.3.therapy_types.therapy_type:

chemotherapy	targeted	molecular	therapy
--------------	----------	-----------	---------

				38				1
				NA's				
				489				

patient.drugs.drug.3.total_dose:

455	577	1419	NA's				
1	1	1	525				

patient.drugs.drug.3.total_dose_units:

mg	mg/m2	mg/ml	NA's				
3	1	1	523				

patient.drugs.drug.3.tx_on_clinical_trial:

no	yes	NA's					
18	4	506					

patient.drugs.drug.3.year_of_form_completion:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
2010	2011	2012	2012	2014	2015	489

patient.drugs.drug.4.day_of_form_completion:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
2.00	13.75	20.00	18.04	22.25	30.00	504

patient.drugs.drug.4.days_to_drug_therapy_end:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
40.0	122.2	170.5	266.1	372.5	958.0	506

patient.drugs.drug.4.days_to_drug_therapy_start:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
19.0	79.0	131.0	237.5	351.0	937.0	506

patient.drugs.drug.4.measure_of_response:

clinical	progressive disease	complete response	
	6	3	
	stable disease	NA's	
	1	518	

patient.drugs.drug.4.month_of_form_completion:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
2.000	5.750	9.000	7.708	9.250	12.000	504

patient.drugs.drug.4.number_cycles:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
2.000	3.000	4.500	4.917	7.250	9.000	516

patient.drugs.drug.4.prescribed_dose:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1.00	52.50	60.00	108.92	76.25	540.00	516

patient.drugs.drug.4.prescribed_dose_units:

auc	mg	mg/day	mg/m2	NA's
2	2	1	7	516

patient.drugs.drug.4.regimen_indication:

adjuvant	other: specify in notes	palliative
1	8	3
recurrence	NA's	
1	515	

patient.drugs.drug.4.regimen_indication_notes:

primary	primary: concurrent	primary: induction	NA's
1	2	5	520

patient.drugs.drug.4.regimen_number:

1	2	NA's
6	7	515

patient.drugs.drug.4.route_of_administrations.route_of_administration:

intravenous (iv)	oral	NA's
11	1	516

patient.drugs.drug.4.therapy_ongoing:

no	yes	NA's
23	1	504

patient.drugs.drug.4.therapy_types.therapy_type:

chemotherapy	other, specify
21	1
targeted molecular therapy	vaccine
1	1
NA's	
504	

patient.drugs.drug.4.therapy_types.therapy_type_notes:

ancillary agent	NA's
1	527

patient.drugs.drug.4.total_dose:

150	480	515	NA's
1	1	1	525

patient.drugs.drug.4.total_dose_units:

mg	mg/m2	NA's
2	1	525

patient.drugs.drug.4.tx_on_clinical_trial:

no	yes	NA's
9	2	517

patient.drugs.drug.4.year_of_form_completion:

2010 2011 2012 2014 NA's
 1 10 7 6 504

patient.drugs.drug.5.day_of_form_completion:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 2.00 14.25 23.00 20.00 27.75 30.00 518

patient.drugs.drug.5.days_to_drug_therapy_end:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 121.0 188.5 375.0 432.8 552.5 1152.0 518

patient.drugs.drug.5.days_to_drug_therapy_start:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 114.0 158.0 298.0 412.6 548.0 1124.0 519

patient.drugs.drug.5.measure_of_response:
 clinical progressive disease complete response
 3 1
 partial response stable disease
 1 1
 NA's
 522

patient.drugs.drug.5.month_of_form_completion:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 2.00 4.25 7.00 6.40 8.75 10.00 518

patient.drugs.drug.5.number_cycles:
 1 2 6 8 NA's
 1 1 1 1 524

patient.drugs.drug.5.prescribed_dose:
 2 20 30 NA's
 1 1 2 524

patient.drugs.drug.5.prescribed_dose_units:
 auc mg/day mg/m2 NA's
 1 1 2 524

patient.drugs.drug.5.regimen_indication:
 other: specify in notes palliative recurrence
 2 1 1
 NA's
 524

patient.drugs.drug.5.regimen_indication_notes:
 primary: concurrent NA's
 2 526

patient.drugs.drug.5.regimen_number:

1	2	3	NA's
1	2	1	524

patient.drugs.drug.5.route_of_administrations.route_of_administration:

intravenous (iv)	oral	NA's
3	1	524

patient.drugs.drug.5.therapy_ongoing:

no NA's
10 518

patient.drugs.drug.5.therapy_types.therapy_type:

chemotherapy	targeted	molecular	therapy
9			1
NA's			
518			

patient.drugs.drug.5.total_dose:

100 NA's
1 527

patient.drugs.drug.5.total_dose_units:

mg NA's
1 527

patient.drugs.drug.5.tx_on_clinical_trial:

no	yes	NA's
5	1	522

patient.drugs.drug.5.year_of_form_completion:

2011	2012	2014	NA's
2	5	3	518

patient.drugs.drug.6.day_of_form_completion:

2	14	28	30	NA's
1	1	2	1	523

patient.drugs.drug.6.days_to_drug_therapy_end:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
74.0	187.0	415.0	494.8	646.0	1152.0	523

patient.drugs.drug.6.days_to_drug_therapy_start:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
74.0	187.0	375.0	475.6	618.0	1124.0	523

patient.drugs.drug.6.measure_of_response:

clinical	progressive	disease	NA's
		2	526

patient.drugs.drug.6.month_of_form_completion:

4 5 8 9 NA's
1 1 1 2 523

patient.drugs.drug.6.number_cycles:

1 5 NA's
1 1 526

patient.drugs.drug.6.prescribed_dose:

1.5 400 NA's
1 1 526

patient.drugs.drug.6.prescribed_dose_units:

auc mg/m2 NA's
1 1 526

patient.drugs.drug.6.regimen_indication:

other: specify in notes recurrence NA's
1 1 526

patient.drugs.drug.6.regimen_indication_notes:

primary: induction NA's
1 527

patient.drugs.drug.6.regimen_number:

1 2 NA's
1 1 526

patient.drugs.drug.6.route_of_administrations.route_of_administration:

intravenous (iv) NA's
2 526

patient.drugs.drug.6.therapy_ongoing:

no NA's
5 523

patient.drugs.drug.6.therapy_types.therapy_type:

chemotherapy NA's
5 523

patient.drugs.drug.6.tx_on_clinical_trial:

no yes NA's
2 1 525

patient.drugs.drug.6.year_of_form_completion:

2011 2012 2014 NA's
2 2 1 523

patient.drugs.drug.7.bcr_drug_barcode:

tcga-cr-5248-d31400 tcga-cr-6471-d18096 tcga-cr-6482-d18179 tcga-cr-7404-d31332
1 1 1 1

NA's
524

patient.drugs.drug.7.bcr_drug_uuid:
0de72eb9-07cc-406f-a941-36f6e8cf4ece 5d20fe8a-0c34-41a9-b117-2cea2634c63d
1 1
7f4949ac-e0b8-4e8e-a9c3-f749a60ccef1 fc1b59d1-7ac2-4385-896c-020d6cdf8787
1 1
NA's
524

patient.drugs.drug.7.day_of_form_completion:
2 14 28 30 NA's
1 1 1 1 524

patient.drugs.drug.7.days_to_drug_therapy_end:
74 599 646 1152 NA's
1 1 1 1 524

patient.drugs.drug.7.days_to_drug_therapy_start:
74 466 618 1124 NA's
1 1 1 1 524

patient.drugs.drug.7.drug_name:
cetuximab cisplatin paclitaxel NA's
1 1 2 524

patient.drugs.drug.7.measure_of_response:
clinical progressive disease NA's
1 527

patient.drugs.drug.7.month_of_form_completion:
4 5 9 NA's
1 1 2 524

patient.drugs.drug.7.number_cycles:
1 5 NA's
1 1 526

patient.drugs.drug.7.prescribed_dose:
35 90 NA's
1 1 526

patient.drugs.drug.7.prescribed_dose_units:
mg/m2 NA's
2 526

patient.drugs.drug.7.regimen_indication:
other: specify in notes recurrence NA's
1 1 526

patient.drugs.drug.7.regimen_indication_notes:

```

primary: induction                NA's
              1                    527

patient.drugs.drug.7.regimen_number:
  1    2 NA's
  1    1 526

patient.drugs.drug.7.route_of_administrations.route_of_administration:
intravenous (iv)                NA's
              2                    526

patient.drugs.drug.7.therapy_ongoing:
no NA's
  4    524

patient.drugs.drug.7.therapy_types.therapy_type:
chemotherapy                    NA's
              4                    524

patient.drugs.drug.7.tx_on_clinical_trial:
no yes NA's
  1    1 526

patient.drugs.drug.7.year_of_form_completion:
2011 2012 NA's
  2    2 524

patient.drugs.drug.8.bcr_drug_barcode:
tcga-cr-5248-d31401 tcga-cr-7404-d31333      NA's
              1                    1                    526

patient.drugs.drug.8.bcr_drug_uuid:
13733a55-6052-4149-b293-3df87835ca00 ff9ed268-d746-4ee3-a453-67521f65380a
              1                    1                    1
              NA's
              526

patient.drugs.drug.8.day_of_form_completion:
  2    30 NA's
  1    1 526

patient.drugs.drug.8.days_to_drug_therapy_end:
634 1208 NA's
  1    1 526

patient.drugs.drug.8.days_to_drug_therapy_start:
606 1194 NA's
  1    1 526

patient.drugs.drug.8.drug_name:
imc-a12 paclitaxel            NA's
              1                    1                    526

```

patient.drugs.drug.8.measure_of_response:
 stable disease NA's
 1 527

patient.drugs.drug.8.month_of_form_completion:
 4 5 NA's
 1 1 526

patient.drugs.drug.8.therapy_ongoing:
 no NA's
 2 526

patient.drugs.drug.8.therapy_types.therapy_type:
 chemotherapy immunotherapy NA's
 1 1 526

patient.drugs.drug.8.tx_on_clinical_trial:
 no yes NA's
 1 1 526

patient.drugs.drug.8.year_of_form_completion:
 2012 NA's
 2 526

patient.drugs.drug.9.bcr_drug_barcode:
 tcga-cr-7404-d31334 NA's
 1 527

patient.drugs.drug.9.bcr_drug_uuid:
 3fb10b09-e755-48b8-a5aa-af8ac116f134 NA's
 1 527

patient.drugs.drug.9.day_of_form_completion:
 30 NA's
 1 527

patient.drugs.drug.9.days_to_drug_therapy_end:
 1080 NA's
 1 527

patient.drugs.drug.9.days_to_drug_therapy_start:
 1052 NA's
 1 527

patient.drugs.drug.9.drug_name:
 methotrexate NA's
 1 527

patient.drugs.drug.9.month_of_form_completion:
 4 NA's
 1 527

patient.drugs.drug.9.therapy_ongoing:

no NA's
1 527

patient.drugs.drug.9.therapy_types.therapy_type:

chemotherapy NA's
1 527

patient.drugs.drug.9.tx_on_clinical_trial:

no NA's
1 527

patient.drugs.drug.9.year_of_form_completion:

2012 NA's
1 527

patient.drugs.drug.clinical_trial_drug_classification:

pi3k inhibitor NA's
1 527

patient.drugs.drug.day_of_form_completion:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1.00	9.00	17.00	16.64	24.00	31.00	343

patient.drugs.drug.days_to_drug_therapy_end:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
34.0	87.0	111.0	166.2	152.5	3259.0	353

patient.drugs.drug.days_to_drug_therapy_start:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
-303.0	44.0	71.0	122.4	108.0	3246.0	351

patient.drugs.drug.measure_of_response:

clinical progressive disease	complete response
9	72
partial response	stable disease
4	2
NA's	
441	

patient.drugs.drug.month_of_form_completion:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1.000	4.000	7.000	6.607	9.000	12.000	342

patient.drugs.drug.number_cycles:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1.00	2.00	3.50	4.13	6.00	9.00	482

patient.drugs.drug.prescribed_dose:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1.0	9.0	40.0	116.3	100.0	2248.0	485

patient.drugs.drug.regimen_indication_notes:

induction	primary	primary: concurrent	primary: induction
1	1	4	6
NA's			
516			

patient.drugs.drug.regimen_number:

1	2	3	4	NA's
73	1	2	1	451

patient.drugs.drug.route_of_administrations.route_of_administration:

intravenous (iv)	intravesical	NA's
70	1	457

patient.drugs.drug.therapy_ongoing:

no	yes	NA's
180	5	343

patient.drugs.drug.therapy_types.therapy_type:

chemotherapy	immunotherapy
182	3
targeted molecular therapy	NA's
1	342

patient.drugs.drug.total_dose:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
2.0	62.8	160.0	290.3	350.0	1746.0	503

patient.drugs.drug.tx_on_clinical_trial:

no	yes	NA's
92	6	430

patient.drugs.drug.year_of_form_completion:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
2010	2011	2012	2012	2013	2014	342

patient.egfr_amplication_status:

amplified	unamplified	NA's
11	16	501

patient.ethnicity:

hispanic or latino	not hispanic or latino	NA's
26	465	37

patient.follow_ups.follow_up.2.additional_pharmaceutical_therapy:

no yes NA's
8 9 511

patient.follow_ups.follow_up.2.additional_radiation_therapy:
no yes NA's
15 2 511

patient.follow_ups.follow_up.2.additional_surgery_locoregional_procedure:
no yes NA's
7 4 517

patient.follow_ups.follow_up.2.additional_surgery_metastatic_procedure:
no yes NA's
10 1 517

patient.follow_ups.follow_up.2.day_of_form_completion:
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
1.00 11.50 19.00 16.69 22.00 31.00 368

patient.follow_ups.follow_up.2.days_to_additional_surgery_locoregional_procedure:
265 334 436 798 NA's
1 1 1 1 524

patient.follow_ups.follow_up.2.days_to_additional_surgery_metastatic_procedure:
409 NA's
1 527

patient.follow_ups.follow_up.2.days_to_completion_of_curative_tx:
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
0.0 52.0 88.0 101.8 120.0 1220.0 439

patient.follow_ups.follow_up.2.days_to_death:
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
108.0 374.0 580.0 749.7 888.5 2083.0 501

patient.follow_ups.follow_up.2.days_to_last_followup:
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
77.0 527.2 750.0 917.7 1232.2 3221.0 398

patient.follow_ups.follow_up.2.days_to_new_tumor_event_after_initial_treatment:
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
244.0 336.5 467.0 618.1 687.2 1855.0 510

patient.follow_ups.follow_up.2.disease_after_curative_tx:
no yes NA's
81 5 442

patient.follow_ups.follow_up.2.followup_case_report_form_submission_reason:
additional new tumor event scheduled follow-up submission
9 146

NA's
373

patient.follow_ups.follow_up.2.lost_follow_up:
no yes NA's
119 15 394

patient.follow_ups.follow_up.2.method_of_curative_tx:
concurrent chemotherapy radiation surgery
20 12 55
NA's
441

patient.follow_ups.follow_up.2.month_of_form_completion:
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
1.00 3.75 8.00 7.15 10.00 12.00 368

patient.follow_ups.follow_up.2.new_neoplasm_event_occurrence_anatomic_site:
cervical lymph node distant metastasis oral cavity oropharynx
4 6 2 3
NA's
513

patient.follow_ups.follow_up.2.new_tumor_event_after_initial_treatment:
no yes NA's
20 18 490

patient.follow_ups.follow_up.2.new_tumor_events.new_tumor_event.additional_pharm:
no yes NA's
4 8 516

patient.follow_ups.follow_up.2.new_tumor_events.new_tumor_event.additional_radia:
no yes NA's
9 4 515

patient.follow_ups.follow_up.2.new_tumor_events.new_tumor_event.days_to_new_tumo:
152 1067 NA's
1 1 526

patient.follow_ups.follow_up.2.new_tumor_events.new_tumor_event.days_to_new_tumo:
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
85.0 215.8 426.0 488.5 614.5 1369.0 514

patient.follow_ups.follow_up.2.new_tumor_events.new_tumor_event.new_neoplasm_eve:
distant metastasis locoregional recurrence new primary tumor
7 4 2
NA's
515

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patient.follow_ups.follow_up.2.new_tumor_events.new_tumor_event.new_tumor_event_
no yes NA's
12 3 513

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patient.follow_ups.follow_up.2.new_tumor_events.new_tumor_event.progression_dete
biopsy with histologic confirmation          convincing imaging
10
positive biomarker (s)                      NA's
1                                             513

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patient.follow_ups.follow_up.2.new_tumor_events.new_tumor_event_after_initial_tr
no yes NA's
101 15 412

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```

patient.follow_ups.follow_up.2.patient_death_reason:
head and neck cancer other, non-malignant disease
3 4
NA's
521

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```

patient.follow_ups.follow_up.2.person_neoplasm_cancer_status:
tumor free with tumor      NA's
116      30      382

```

```

patient.follow_ups.follow_up.2.radiation_therapy:
no yes NA's
44 96 388

```

```

patient.follow_ups.follow_up.2.smokeless_tobacco_use_age_at_quit:
36 48 58 NA's
1 1 1 525

```

```

patient.follow_ups.follow_up.2.smokeless_tobacco_use_age_at_start:
23 30 NA's
1 1 526

```

```

patient.follow_ups.follow_up.2.smokeless_tobacco_use_at_diag:
no yes NA's
86 6 436

```

```

patient.follow_ups.follow_up.2.smokeless_tobacco_use_per_day:
1.5 5 10 NA's
1 1 1 525

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patient.follow_ups.follow_up.2.smokeless_tobacco_use_regularly:
no yes NA's
79 10 439

```

```

patient.follow_ups.follow_up.2.targeted_molecular_therapy:
no yes NA's

```

80 61 387

patient.follow_ups.follow_up.2.vital_status:

alive dead NA's
130 27 371

patient.follow_ups.follow_up.2.year_of_form_completion:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
2010	2012	2012	2013	2014	2015	368

patient.follow_ups.follow_up.3.additional_pharmaceutical_therapy:

no NA's
2 526

patient.follow_ups.follow_up.3.additional_radiation_therapy:

no yes NA's
1 1 526

patient.follow_ups.follow_up.3.additional_surgery_locoregional_procedure:

yes NA's
2 526

patient.follow_ups.follow_up.3.day_of_form_completion:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
2.00	15.00	18.00	17.65	21.00	26.00	477

patient.follow_ups.follow_up.3.days_to_additional_surgery_locoregional_procedure:

832 931 NA's
1 1 526

patient.follow_ups.follow_up.3.days_to_completion_of_curative_tx:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0.0	77.0	98.0	106.3	128.0	467.0	487

patient.follow_ups.follow_up.3.days_to_death:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
489.0	528.0	773.0	925.6	1020.5	2120.0	521

patient.follow_ups.follow_up.3.days_to_last_followup:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
187	629	1224	1147	1442	2359	485

patient.follow_ups.follow_up.3.days_to_new_tumor_event_after_initial_treatment:

783 931 NA's
1 1 526

patient.follow_ups.follow_up.3.disease_after_curative_tx:

no yes NA's
40 1 487

```

patient.follow_ups.follow_up.3.followup_case_report_form_submission_reason:
  additional new tumor event scheduled follow-up submission
                                9                                42
                                NA's
                                477

```

```

patient.follow_ups.follow_up.3.followup_treatment_success:
complete remission/response      progressive disease
                                37                        9
                                stable disease              NA's
                                2                          480

```

```

patient.follow_ups.follow_up.3.lost_follow_up:
no  yes NA's
43  5  480

```

```

patient.follow_ups.follow_up.3.method_of_curative_tx:
concurrent chemotherapy          radiation                surgery
                                15                     2                    24
                                NA's
                                487

```

```

patient.follow_ups.follow_up.3.month_of_form_completion:
  Min. 1st Qu.  Median    Mean 3rd Qu.  Max.  NA's
1.000  2.500   9.000   6.804  9.500 11.000  477

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patient.follow_ups.follow_up.3.new_neoplasm_event_occurrence_anatomic_site:
cervical lymph node          oral cavity              NA's
                                1                        1                    526

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patient.follow_ups.follow_up.3.new_neoplasm_occurrence_anatomic_site_text:
buccal muco                  NA's
                                1                    527

```

```

patient.follow_ups.follow_up.3.new_tumor_event_after_initial_treatment:
no  yes NA's
1   2  525

```

```

patient.follow_ups.follow_up.3.new_tumor_events.new_tumor_event.additional_pharm
no  yes NA's
5   4  519

```

```

patient.follow_ups.follow_up.3.new_tumor_events.new_tumor_event.additional_radia
no  yes NA's
8   1  519

```

```

patient.follow_ups.follow_up.3.new_tumor_events.new_tumor_event.days_to_new_tumo
  Min. 1st Qu.  Median    Mean 3rd Qu.  Max.  NA's
  364   540   576   932   1085   2095  523

```

```

patient.follow_ups.follow_up.3.new_tumor_events.new_tumor_event.days_to_new_tumo
  Min. 1st Qu.  Median    Mean 3rd Qu.  Max.  NA's

```

364.0 511.5 576.0 852.7 1116.0 2062.0 517

patient.follow_ups.follow_up.3.new_tumor_events.new_tumor_event.new_neoplasm_event
distant metastasis oral cavity oropharynx NA's
3 2 1 522

patient.follow_ups.follow_up.3.new_tumor_events.new_tumor_event.new_neoplasm_event
distant metastasis locoregional recurrence new primary tumor
3 3 4
NA's
518

patient.follow_ups.follow_up.3.new_tumor_events.new_tumor_event.new_tumor_event
no yes NA's
4 4 520

patient.follow_ups.follow_up.3.new_tumor_events.new_tumor_event.progression_detected
biopsy with histologic confirmation convincing imaging
6 2
NA's
520

patient.follow_ups.follow_up.3.new_tumor_events.new_tumor_event_after_initial_treatment
no yes NA's
36 11 481

patient.follow_ups.follow_up.3.patient_death_reason:
cancer related head and neck cancer NA's
1 5 522

patient.follow_ups.follow_up.3.person_neoplasm_cancer_status:
tumor free with tumor NA's
33 13 482

patient.follow_ups.follow_up.3.primary_therapy_outcome_success:
complete remission/response partial remission/response
42 1
NA's
485

patient.follow_ups.follow_up.3.radiation_therapy:
no yes NA's
8 35 485

patient.follow_ups.follow_up.3.smokeless_tobacco_use_age_at_quit:
36 66 NA's
1 1 526

patient.follow_ups.follow_up.3.smokeless_tobacco_use_age_at_start:
23 NA's
1 527

patient.follow_ups.follow_up.3.smokeless_tobacco_use_at_diag:
 no yes NA's
 40 2 486

patient.follow_ups.follow_up.3.smokeless_tobacco_use_per_day:
 1.5 5 NA's
 1 1 526

patient.follow_ups.follow_up.3.smokeless_tobacco_use_regularly:
 no yes NA's
 40 4 484

patient.follow_ups.follow_up.3.targeted_molecular_therapy:
 no yes NA's
 16 28 484

patient.follow_ups.follow_up.3.vital_status:
 alive dead NA's
 43 7 478

patient.follow_ups.follow_up.3.year_of_form_completion:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 2011 2012 2014 2014 2014 2015 477

patient.follow_ups.follow_up.4.additional_pharmaceutical_therapy:
 yes NA's
 1 527

patient.follow_ups.follow_up.4.additional_radiation_therapy:
 yes NA's
 1 527

patient.follow_ups.follow_up.4.additional_surgery_locoregional_procedure:
 yes NA's
 1 527

patient.follow_ups.follow_up.4.day_of_form_completion:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 9.00 15.25 16.00 17.00 17.00 31.00 510

patient.follow_ups.follow_up.4.days_to_additional_surgery_locoregional_procedure:
 280 NA's
 1 527

patient.follow_ups.follow_up.4.days_to_completion_of_curative_tx:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 0.00 97.25 115.00 116.86 146.75 207.00 514

patient.follow_ups.follow_up.4.days_to_death:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
727.0	853.0	980.0	988.4	988.0	1394.0	523

patient.follow_ups.follow_up.4.days_to_last_followup:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
542	1038	1472	1447	1584	2239	515

patient.follow_ups.follow_up.4.days_to_new_tumor_event_after_initial_treatment:

234	NA's
1	527

patient.follow_ups.follow_up.4.disease_after_curative_tx:

no	NA's
14	514

patient.follow_ups.follow_up.4.followup_case_report_form_submission_reason:

additional	new tumor event	scheduled	follow-up	submission	
					15
					3
					NA's
					510

patient.follow_ups.follow_up.4.followup_treatment_success:

complete remission/response		persistent disease	
	13		1
progressive disease			NA's
	4		510

patient.follow_ups.follow_up.4.lost_follow_up:

no	NA's
17	511

patient.follow_ups.follow_up.4.method_of_curative_tx:

chemotherapy (not given concurrently)		radiation
	1	2
surgery		NA's
	11	514

patient.follow_ups.follow_up.4.month_of_form_completion:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1.000	1.000	2.000	3.389	4.750	10.000	510

patient.follow_ups.follow_up.4.new_neoplasm_event_occurrence_anatomic_site:

oropharynx		NA's
	1	527

patient.follow_ups.follow_up.4.new_tumor_event_after_initial_treatment:

yes	NA's
1	527

patient.follow_ups.follow_up.4.new_tumor_events.new_tumor_event.additional_pharm:

yes	NA's
3	525

patient.follow_ups.follow_up.4.new_tumor_events.new_tumor_event.additional_radiation
 no yes NA's
 2 1 525

patient.follow_ups.follow_up.4.new_tumor_events.new_tumor_event.days_to_new_tumor_event
 1730 NA's
 1 527

patient.follow_ups.follow_up.4.new_tumor_events.new_tumor_event.days_to_new_tumor_event
 781 876 1302 1716 NA's
 1 1 1 1 524

patient.follow_ups.follow_up.4.new_tumor_events.new_tumor_event.new_neoplasm_event
 cervical lymph node distant metastasis oropharynx NA's
 1 1 1 1 525

patient.follow_ups.follow_up.4.new_tumor_events.new_tumor_event.new_neoplasm_event
 distant metastasis locoregional recurrence NA's
 1 2 525

patient.follow_ups.follow_up.4.new_tumor_events.new_tumor_event.new_neoplasm_occurrence
 lung oropharynx r neck NA's
 1 1 1 525

patient.follow_ups.follow_up.4.new_tumor_events.new_tumor_event.new_tumor_event
 no yes NA's
 2 1 525

patient.follow_ups.follow_up.4.new_tumor_events.new_tumor_event.progression_detected
 biopsy with histologic confirmation convincing imaging
 2 1
 NA's
 525

patient.follow_ups.follow_up.4.new_tumor_events.new_tumor_event_after_initial_treatment
 no yes NA's
 13 4 511

patient.follow_ups.follow_up.4.patient_death_reason:
 cancer related head and neck cancer
 1 3
 other, non-malignant disease NA's
 1 523

patient.follow_ups.follow_up.4.person_neoplasm_cancer_status:
 tumor free with tumor NA's
 13 5 510

patient.follow_ups.follow_up.4.primary_therapy_outcome_success:
 complete remission/response NA's
 15 513

patient.follow_ups.follow_up.4.radiation_therapy:

no yes NA's
1 14 513

patient.follow_ups.follow_up.4.smokeless_tobacco_use_age_at_quit:

36 66 NA's
1 1 526

patient.follow_ups.follow_up.4.smokeless_tobacco_use_at_diag:

no yes NA's
14 1 513

patient.follow_ups.follow_up.4.smokeless_tobacco_use_regularly:

no yes NA's
13 2 513

patient.follow_ups.follow_up.4.targeted_molecular_therapy:

no yes NA's
3 12 513

patient.follow_ups.follow_up.4.vital_status:

alive dead NA's
13 5 510

patient.follow_ups.follow_up.4.year_of_form_completion:

2012 2014 2015 NA's
2 3 13 510

patient.follow_ups.follow_up.5.bcr_followup_barcode:

tcga-cn-4731-f69604	tcga-cn-4741-f69609	tcga-cn-6989-f69736	NA's
1	1	1	525

patient.follow_ups.follow_up.5.bcr_followup_uuid:

8cd64e0e-ee30-4ef8-9b13-3ee0cea6d856	a3614061-a02a-4e1a-946d-526bbbc251	1	1
bd22f7e1-8f6d-455d-8bb9-823bc1a37826		1	NA's
			525

patient.follow_ups.follow_up.5.day_of_form_completion:

15 16 NA's
2 1 525

patient.follow_ups.follow_up.5.days_to_completion_of_curative_tx:

29 NA's
1 527

patient.follow_ups.follow_up.5.days_to_death:

980 998 NA's
1 1 526

patient.follow_ups.follow_up.5.days_to_last_followup:

2239 NA's
1 527

patient.follow_ups.follow_up.5.disease_after_curative_tx:
yes NA's
1 527

patient.follow_ups.follow_up.5.followup_case_report_form_submission_reason:
additional new tumor event scheduled follow-up submission
2 1
NA's
525

patient.follow_ups.follow_up.5.followup_treatment_success:
complete remission/response progressive disease
1 2
NA's
525

patient.follow_ups.follow_up.5.lost_follow_up:
no NA's
3 525

patient.follow_ups.follow_up.5.method_of_curative_tx:
surgery NA's
1 527

patient.follow_ups.follow_up.5.month_of_form_completion:
1 NA's
3 525

patient.follow_ups.follow_up.5.new_tumor_events.new_tumor_event.additional_pharm
no yes NA's
1 1 526

patient.follow_ups.follow_up.5.new_tumor_events.new_tumor_event.additional_radia
no NA's
2 526

patient.follow_ups.follow_up.5.new_tumor_events.new_tumor_event.days_to_new_tumo
2168 NA's
1 527

patient.follow_ups.follow_up.5.new_tumor_events.new_tumor_event.days_to_new_tumo
889 2168 NA's
1 1 526

patient.follow_ups.follow_up.5.new_tumor_events.new_tumor_event.new_neoplasm_eve
distant metastasis NA's
2 526

patient.follow_ups.follow_up.5.new_tumor_events.new_tumor_event.new_neoplasm_eve

distant metastasis		NA's	
	2	526	

patient.follow_ups.follow_up.5.new_tumor_events.new_tumor_event.new_neoplasm_occurrence
lung NA's

	2	526	
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patient.follow_ups.follow_up.5.new_tumor_events.new_tumor_event.new_tumor_event_outcome

no	yes	NA's	
1	1	526	

patient.follow_ups.follow_up.5.new_tumor_events.new_tumor_event.progression_detected
biopsy with histologic confirmation

	1		convincing imaging	1
	NA's			
	526			

patient.follow_ups.follow_up.5.new_tumor_events.new_tumor_event_after_initial_treatment

no	yes	NA's	
1	2	525	

patient.follow_ups.follow_up.5.patient_death_reason:

head and neck cancer		NA's	
	2	526	

patient.follow_ups.follow_up.5.person_neoplasm_cancer_status:

tumor free	with tumor	NA's	
1	2	525	

patient.follow_ups.follow_up.5.primary_therapy_outcome_success:

progressive disease		NA's	
	1	527	

patient.follow_ups.follow_up.5.radiation_therapy:

no	NA's	
1	527	

patient.follow_ups.follow_up.5.smokeless_tobacco_use_at_diag:

no	NA's	
1	527	

patient.follow_ups.follow_up.5.smokeless_tobacco_use_regularly:

no	NA's	
1	527	

patient.follow_ups.follow_up.5.targeted_molecular_therapy:

no	NA's	
1	527	

patient.follow_ups.follow_up.5.vital_status:

alive	dead	NA's	
1	2	525	

patient.follow_ups.follow_up.5.year_of_form_completion:
 2015 NA's
 3 525

patient.follow_ups.follow_up.additional_pharmaceutical_therapy:
 no yes NA's
 30 27 471

patient.follow_ups.follow_up.additional_radiation_therapy:
 no yes NA's
 35 22 471

patient.follow_ups.follow_up.additional_surgery_locoregional_procedure:
 no yes NA's
 37 11 480

patient.follow_ups.follow_up.additional_surgery_metastatic_procedure:
 no yes NA's
 29 4 495

patient.follow_ups.follow_up.day_of_form_completion:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 1.00 10.00 17.00 16.73 23.50 31.00 73

patient.follow_ups.follow_up.days_to_additional_surgery_locoregional_procedure:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 106.0 152.0 209.0 427.6 640.0 1171.0 519

patient.follow_ups.follow_up.days_to_additional_surgery_metastatic_procedure:
 364 1028 1797 NA's
 1 1 1 525

patient.follow_ups.follow_up.days_to_completion_of_curative_tx:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 -111.00 71.25 107.50 125.61 149.25 1220.00 390

patient.follow_ups.follow_up.days_to_death:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 2.0 217.2 395.0 702.2 620.2 5152.0 394

patient.follow_ups.follow_up.days_to_last_followup:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 30.0 360.0 558.0 814.3 1021.0 5480.0 215

patient.follow_ups.follow_up.days_to_new_tumor_event_after_initial_treatment:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 50.0 175.0 236.0 434.3 561.0 1859.0 483

patient.follow_ups.follow_up.disease_after_curative_tx:

no yes NA's
118 17 393

patient.follow_ups.follow_up.followup_case_report_form_submission_reason:
additional new tumor event scheduled follow-up submission
11 358
NA's
159

patient.follow_ups.follow_up.lost_follow_up:
no yes NA's
223 24 281

patient.follow_ups.follow_up.method_of_curative_tx:
chemotherapy (not given concurrently) concurrent chemotherapy
6 34
radiation surgery
37 61
NA's
390

patient.follow_ups.follow_up.month_of_form_completion:
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
1.000 3.000 6.000 6.088 9.000 12.000 73

patient.follow_ups.follow_up.new_tumor_event_after_initial_treatment:
no yes NA's
134 46 348

patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.2.additional_pharm
no NA's
1 527

patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.2.additional_radia
no NA's
1 527

patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.2.days_to_new_tumo
308 NA's
1 527

patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.2.days_to_new_tumo
308 707 NA's
1 1 526

patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.2.new_neoplasm_eve
oral cavity NA's
2 526

patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.2.new_neoplasm_event_locoregional recurrence NA's
 2 526

patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.2.new_neoplasm_occurrence.subcutaneous nodules on right side of jaw tongue and floor of mouth NA's
 1 1
 NA's
 526

patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.2.new_tumor_event_additional yes NA's
 1 527

patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.2.progression_determined_by_biopsy_with_histologic_confirmation NA's
 1 527

patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.additional_pharmaceuticals no yes NA's
 24 18 486

patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.additional_radiation no yes NA's
 29 12 487

patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.days_to_new_tumor_event Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 92.0 218.0 279.0 547.1 507.5 3329.0 513

patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.days_to_new_tumor_event Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 46.0 177.5 339.0 415.3 496.5 3282.0 473

patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.new_neoplasm_event_additional distant metastasis locoregional recurrence new primary tumor NA's
 19 32 5
 NA's
 472

patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.new_tumor_event_additional no yes NA's
 38 15 475

patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.progression_determined_by_biopsy_with_histologic_confirmation convincing imaging NA's
 28 20
 NA's

480

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patient.follow_ups.follow_up.new_tumor_events.new_tumor_event_after_initial_trea
  no  yes NA's
183  58  287

```

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patient.follow_ups.follow_up.patient_death_reason:
  head and neck cancer other, non-malignant disease
                                17                                4
                                NA's
                                507

```

```

patient.follow_ups.follow_up.person_neoplasm_cancer_status:
tumor free with tumor      NA's
      297          108      123

```

```

patient.follow_ups.follow_up.radiation_therapy:
  no  yes NA's
136  265  127

```

```

patient.follow_ups.follow_up.smokeless_tobacco_use_age_at_quit:
  Min. 1st Qu.  Median    Mean 3rd Qu.  Max.  NA's
24.00  39.00   57.00  50.43  63.00  68.00  521

```

```

patient.follow_ups.follow_up.smokeless_tobacco_use_age_at_start:
  Min. 1st Qu.  Median    Mean 3rd Qu.  Max.  NA's
14.00  16.75   20.00  21.88  22.50  38.00  520

```

```

patient.follow_ups.follow_up.smokeless_tobacco_use_at_diag:
  no  yes NA's
170  10  348

```

```

patient.follow_ups.follow_up.smokeless_tobacco_use_per_day:
  2  10  20 NA's
  1  2   2  523

```

```

patient.follow_ups.follow_up.smokeless_tobacco_use_regularly:
  no  yes NA's
151  16  361

```

```

patient.follow_ups.follow_up.targeted_molecular_therapy:
  no  yes NA's
259  140  129

```

```

patient.follow_ups.follow_up.vital_status:
alive  dead  NA's
 311   135   82

```

```

patient.follow_ups.follow_up.year_of_form_completion:
  Min. 1st Qu.  Median    Mean 3rd Qu.  Max.  NA's
2008   2012   2013   2013   2014   2015   73

```


patient.frequency_of_alcohol_consumption:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0.000	0.000	6.000	4.114	7.000	7.000	304

patient.gender:

female	male
142	386

patient.histological_type:

head and neck squamous cell carcinoma	517
head and neck squamous cell carcinoma spindle cell variant	1
head and neck squamous cell carcinoma basaloid type	10

patient.history_of_neoadjuvant_treatment:

no	yes
518	10

patient.hpv_status_by_ish_testing:

negative	positive	NA's
67	22	439

patient.hpv_status_by_p16_testing:

negative	positive	NA's
74	41	413

patient.icd_o_3_histology:

8070/3	8071/3	8072/3	8074/3	8083/3
451	57	11	1	8

patient.informed_consent_verified:

yes
528

patient.laterality:

left	midline	right	NA's
146	34	168	180

patient.lymph_node_examined_count:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0.00	21.00	32.00	36.12	48.00	121.00	100

patient.lymphnode_dissection_method_left:

functional (limited) neck dissection	186	modified radical neck dissection	86
radical neck dissection	20	NA's	236

```

patient.lymphnode_dissection_method_right:
functional (limited) neck dissection      modified radical neck dissection
                                         209                               87
                                         radical neck dissection           NA's
                                         16                               216

patient.lymphnode_neck_dissection:
no   yes NA's
97  428  3

patient.lymphovascular_invasion_present:
no   yes NA's
232 124 172

patient.margin_status:
close negative positive   NA's
50      357      60      61

patient.month_of_form_completion:
Min. 1st Qu.  Median   Mean 3rd Qu.  Max.
1.000  3.000  6.000  6.277  9.000  12.000

patient.new_tumor_events.new_tumor_event.additional_pharmaceutical_therapy:
no   yes NA's
32   11  485

patient.new_tumor_events.new_tumor_event.additional_radiation_therapy:
no   yes NA's
29   14  485

patient.new_tumor_events.new_tumor_event.days_to_new_tumor_event_additional_surg
Min. 1st Qu.  Median   Mean 3rd Qu.  Max.   NA's
42.0  211.0  246.0  411.1  365.0  1625.0  511

patient.new_tumor_events.new_tumor_event.days_to_new_tumor_event_after_initial_t
Min. 1st Qu.  Median   Mean 3rd Qu.  Max.   NA's
28.0  183.5  241.0  368.5  353.8  2318.0  480

patient.new_tumor_events.new_tumor_event.new_neoplasm_event_type:
distant metastasis locoregional disease   NA's
                                         3                               14
                                                                       511

patient.new_tumor_events.new_tumor_event.new_tumor_event_additional_surgery_pro
no   yes NA's
32   17  479

patient.new_tumor_events.new_tumor_event.progression_determined_by:
biopsy with histologic confirmation      convincing imaging

```

30
 NA's
 481
 17

patient.new_tumor_events.new_tumor_event_after_initial_treatment:
 no yes NA's
 150 49 329

patient.number_of_lymphnodes_positive_by_he:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 0.000 0.000 1.000 2.186 3.000 44.000 115

patient.number_of_lymphnodes_positive_by_ihc:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 0.0000 0.0000 0.0000 0.2706 0.0000 23.0000 310

patient.number_pack_years_smoked:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 0.01685 25.00000 40.00000 45.75496 60.00000 300.00000 230

patient.perineural_invasion_present:
 no yes NA's
 198 172 158

patient.person_neoplasm_cancer_status:
 tumor free with tumor NA's
 341 141 46

patient.postoperative_rx_tx:
 no yes NA's
 121 66 341

patient.presence_of_pathological_nodal_extracapsular_spread:
 gross extension microscopic extension no extranodal extension
 38 77 248
 NA's
 165

patient.primary_lymph_node_presentation_assessment:
 no yes NA's
 54 431 43

patient.primary_therapy_outcome_success:
 complete remission/response partial remission/response
 147 1
 progressive disease stable disease
 13 4
 NA's
 363

patient.prior_dx:

```

no
495
yes
20
yes, history of prior malignancy
7
yes, history of synchronous and or bilateral malignancy
6

patient.race:
american indian or alaska native                asian
2                                                11
black or african american                       white
48                                              452
NA's
15

patient.radiation_therapy:
no  yes NA's
64 126 338

patient.radiations.radiation.2.anatomic_treatment_site:
distant recurrence    local recurrence primary tumor field    regional site
4                    3                    19                    82
NA's
420

patient.radiations.radiation.2.course_number:
1 2 3 NA's
25 5 2 496

patient.radiations.radiation.2.day_of_form_completion:
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
2.00 10.00 16.00 17.12 24.00 30.00 418

patient.radiations.radiation.2.days_to_radiation_therapy_end:
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
52.0 98.0 124.5 175.6 175.0 1780.0 418

patient.radiations.radiation.2.days_to_radiation_therapy_start:
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
-291.0 49.0 77.5 130.6 132.5 1771.0 420

patient.radiations.radiation.2.measure_of_response:
complete response                partial response
61                                1
radiographic progressive disease    stable disease
8                                  1
NA's
457

```

patient.radiations.radiation.2.month_of_form_completion:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 1.000 4.000 7.000 6.618 9.000 12.000 418

patient.radiations.radiation.2.numfractions:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 1.00 24.00 25.00 24.54 32.00 50.00 437

patient.radiations.radiation.2.radiation_dosage:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 8.00 59.82 5000.00 3274.30 5400.00 6930.00 420

patient.radiations.radiation.2.radiation_treatment_ongoing:
 no NA's
 110 418

patient.radiations.radiation.2.radiation_type:
 external external beam other: specify in notes
 78 28 2
 NA's
 420

patient.radiations.radiation.2.radiation_type_notes:
 cyberknife NA's
 2 526

patient.radiations.radiation.2.regimen_indication:
 adjuvant other: specify in notes palliative
 9 17 2
 recurrence NA's
 4 496

patient.radiations.radiation.2.regimen_indication_notes:
 back primary NA's
 1 17 510

patient.radiations.radiation.2.units:
 cgy gy NA's
 66 38 424

patient.radiations.radiation.2.year_of_form_completion:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 2010 2012 2013 2013 2014 2015 418

patient.radiations.radiation.3.anatomic_treatment_site:
 distant recurrence primary tumor field regional site NA's
 2 6 27 493

patient.radiations.radiation.3.course_number:

1 2 4 NA's
15 2 1 510

patient.radiations.radiation.3.day_of_form_completion:
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
4.00 12.50 15.00 17.46 24.00 28.00 493

patient.radiations.radiation.3.days_to_radiation_therapy_end:
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
63.0 96.5 115.0 170.4 151.5 1081.0 493

patient.radiations.radiation.3.days_to_radiation_therapy_start:
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
-291.0 48.0 65.0 102.3 107.0 1081.0 495

patient.radiations.radiation.3.measure_of_response:
complete response radiographic progressive disease
11 2
NA's
515

patient.radiations.radiation.3.month_of_form_completion:
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
1.000 4.000 9.000 6.771 9.000 11.000 493

patient.radiations.radiation.3.numfractions:
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
5.00 27.00 33.00 29.32 33.00 38.00 497

patient.radiations.radiation.3.radiation_dosage:
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
42.00 54.76 4860.00 3350.29 6400.00 6930.00 495

patient.radiations.radiation.3.radiation_treatment_ongoing:
no NA's
35 493

patient.radiations.radiation.3.radiation_type:
external external beam other: specify in notes
17 17 1
NA's
493

patient.radiations.radiation.3.radiation_type_notes:
stereotactic radiation NA's
1 527

patient.radiations.radiation.3.regimen_indication:
adjuvant other: specify in notes palliative
3 12 2
recurrence NA's
1 510

patient.radiations.radiation.3.regimen_indication_notes:
 chest primary NA's
 1 12 515

patient.radiations.radiation.3.units:
 cgy gy NA's
 21 13 494

patient.radiations.radiation.3.year_of_form_completion:
 2011 2012 2013 2014 NA's
 12 6 10 7 493

patient.radiations.radiation.4.anatomic_treatment_site:
 distant site primary tumor field regional site NA's
 1 1 3 523

patient.radiations.radiation.4.course_number:
 1 NA's
 2 526

patient.radiations.radiation.4.day_of_form_completion:
 9 14 25 NA's
 2 1 2 523

patient.radiations.radiation.4.days_to_radiation_therapy_end:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 114.0 115.0 137.0 169.6 172.0 310.0 523

patient.radiations.radiation.4.days_to_radiation_therapy_start:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 65.0 77.0 78.0 120.8 116.0 268.0 523

patient.radiations.radiation.4.measure_of_response:
 complete response radiographic progressive disease
 1 1
 NA's
 526

patient.radiations.radiation.4.month_of_form_completion:
 4 9 11 NA's
 1 3 1 523

patient.radiations.radiation.4.numfractions:
 27 28 33 36 NA's
 1 1 2 1 523

patient.radiations.radiation.4.radiation_dosage:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 50.4 5280.0 5400.0 4378.1 5550.0 5610.0 523

patient.radiations.radiation.4.radiation_treatment_ongoing:
 no NA's
 5 523

patient.radiations.radiation.4.radiation_type:
 external external beam NA's
 3 2 523

patient.radiations.radiation.4.regimen_indication:
 adjuvant other: specify in notes NA's
 1 1 526

patient.radiations.radiation.4.regimen_indication_notes:
 primary NA's
 1 527

patient.radiations.radiation.4.units:
 cgy gy NA's
 4 1 523

patient.radiations.radiation.4.year_of_form_completion:
 2011 2012 2013 2014 NA's
 1 1 2 1 523

patient.radiations.radiation.5.anatomic_treatment_site:
 regional site NA's
 1 527

patient.radiations.radiation.5.bcr_radiation_barcode:
 tcga-cr-6471-r18086 NA's
 1 527

patient.radiations.radiation.5.bcr_radiation_uuid:
 0b645599-8e25-453e-b8f5-450ec7e699d6 NA's
 1 527

patient.radiations.radiation.5.course_number:
 1 NA's
 1 527

patient.radiations.radiation.5.day_of_form_completion:
 14 NA's
 1 527

patient.radiations.radiation.5.days_to_radiation_therapy_end:
 114 NA's
 1 527

patient.radiations.radiation.5.days_to_radiation_therapy_start:
 77 NA's
 1 527

patient.radiations.radiation.5.month_of_form_completion:
 9 NA's
 1 527

patient.radiations.radiation.5.numfractions:
 27 NA's
 1 527

patient.radiations.radiation.5.radiation_dosage:
 5400 NA's
 1 527

patient.radiations.radiation.5.radiation_treatment_ongoing:
 no NA's
 1 527

patient.radiations.radiation.5.radiation_type:
 external beam NA's
 1 527

patient.radiations.radiation.5.regimen_indication:
 adjuvant NA's
 1 527

patient.radiations.radiation.5.units:
 cgy NA's
 1 527

patient.radiations.radiation.5.year_of_form_completion:
 2011 NA's
 1 527

patient.radiations.radiation.6.anatomic_treatment_site:
 regional site NA's
 1 527

patient.radiations.radiation.6.bcr_radiation_barcode:
 tcga-cr-6471-r18090 NA's
 1 527

patient.radiations.radiation.6.bcr_radiation_uuid:
 d0c21841-e729-4e83-ada6-dfb471ba6aab NA's
 1 527

patient.radiations.radiation.6.course_number:
 2 NA's
 1 527

patient.radiations.radiation.6.day_of_form_completion:
 14 NA's
 1 527

patient.radiations.radiation.6.days_to_radiation_therapy_end:
 646 NA's
 1 527

patient.radiations.radiation.6.days_to_radiation_therapy_start:
 614 NA's
 1 527

patient.radiations.radiation.6.month_of_form_completion:
 9 NA's
 1 527

patient.radiations.radiation.6.numfractions:
 50 NA's
 1 527

patient.radiations.radiation.6.radiation_dosage:
 6250 NA's
 1 527

patient.radiations.radiation.6.radiation_treatment_ongoing:
 no NA's
 1 527

patient.radiations.radiation.6.radiation_type:
 external beam NA's
 1 527

patient.radiations.radiation.6.regimen_indication:
 recurrence NA's
 1 527

patient.radiations.radiation.6.units:
 cgy NA's
 1 527

patient.radiations.radiation.6.year_of_form_completion:
 2011 NA's
 1 527

patient.radiations.radiation.7.anatomic_treatment_site:
 regional site NA's
 1 527

patient.radiations.radiation.7.bcr_radiation_barcode:
 tcga-cr-6471-r18091 NA's
 1 527

patient.radiations.radiation.7.bcr_radiation_uuid:
 2ae99c0b-bc3f-48f3-83ff-25f41bae8462 NA's
 1 527

```

patient.radiations.radiation.7.course_number:
  3 NA's
  1 527

patient.radiations.radiation.7.day_of_form_completion:
  14 NA's
  1 527

patient.radiations.radiation.7.days_to_radiation_therapy_start:
  839 NA's
  1 527

patient.radiations.radiation.7.month_of_form_completion:
  9 NA's
  1 527

patient.radiations.radiation.7.radiation_treatment_ongoing:
  no NA's
  1 527

patient.radiations.radiation.7.radiation_type:
external beam      NA's
                   1      527

patient.radiations.radiation.7.regimen_indication:
recurrence        NA's
                   1      527

patient.radiations.radiation.7.units:
cgy NA's
  1 527

patient.radiations.radiation.7.year_of_form_completion:
2011 NA's
  1 527

patient.radiations.radiation.course_number:
  1 2 NA's
102 7 419

patient.radiations.radiation.day_of_form_completion:
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.    NA's
  1.00  10.00   17.00   16.89  24.00   31.00   214

patient.radiations.radiation.days_to_radiation_therapy_end:
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.    NA's
  0.0   91.0   117.0   138.7  151.0  1302.0   227

```

patient.radiations.radiation.days_to_radiation_therapy_start:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0.00	48.75	70.00	91.65	103.00	1248.00	232

patient.radiations.radiation.measure_of_response:

	complete response	partial response
	150	4
	radiographic progressive disease	stable disease
	16	1
	NA's	
	357	

patient.radiations.radiation.month_of_form_completion:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1.000	4.000	6.000	6.436	9.000	12.000	214

patient.radiations.radiation.numfractions:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
2.00	30.00	30.00	29.16	33.00	41.00	298

patient.radiations.radiation.radiation_dosage:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
9	66	6000	4052	6600	7380	254

patient.radiations.radiation.radiation_treatment_ongoing:

no	yes	NA's
308	2	218

patient.radiations.radiation.radiation_type:

external external beam	implants	NA's
174	118	1
		235

patient.radiations.radiation.regimen_indication_notes:

concurrent chemoradiation as definitive treatment	1
neoadjuvant	4
primary	19
NA's	504

patient.radiations.radiation.units:

cgy	gy	NA's
191	84	253

patient.radiations.radiation.year_of_form_completion:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
2007	2011	2013	2013	2013	2015	214

patient.stage_event.system_version:

4th	5th	6th	7th
1	10	125	392

patient.stage_event.tnm_categories.clinical_categories.clinical_m:

m0	m1	mx	NA's
496	6	21	5

patient.stage_event.tnm_categories.pathologic_categories.pathologic_m:

m0	m1	mx	NA's
191	1	65	271

patient.stopped_smoking_year:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1955	1990	2000	1997	2009	2013	340

patient.tissue_prospective_collection_indicator:

no	yes	NA's
344	182	2

patient.tissue_retrospective_collection_indicator:

no	yes	NA's
182	344	2

patient.tumor_tissue_site:

head and neck
528

patient.vital_status:

alive	dead
358	170

patient.year_of_form_completion:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.
2010	2011	2012	2012	2013	2015

patient.year_of_initial_pathologic_diagnosis:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.
1992	2007	2010	2008	2011	2013

patient.year_of_tobacco_smoking_onset:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1936	1959	1968	1967	1975	2001	246

```
patient.hpv_test_results.hpv_test_result.hpv_call_2:
hpv33  NA's
      1  527
```

```
patient.hpv_test_results.hpv_test_result.hpv_status:
indeterminate      negative      positive
                2             427             99
```

```
patient.bcr_canonical_check.bcr_patient_canonical_reasons.bcr_canonical_reason:
      case matched expression control      case matched methylation control
                                42                                33
      germline comparison primary tumor and metastatic tumor(s)
                                7                                2
      NA's
      444
```

```
patient.bcr_canonical_check.bcr_patient_canonical_reasons.bcr_canonical_reason.2
case matched methylation control      germline comparison
                                28                                27
      NA's
      473
```

```
patient.bcr_canonical_check.bcr_patient_canonical_reasons.bcr_canonical_reason.3
germline comparison      NA's
                28             500
```

```
patient.bcr_canonical_check.bcr_patient_canonical_status:
      canonical canonical - plus
      444             84
```

```
patient.biospecimen_cqcf.consent_or_death_status:
consented  deceased
      412             116
```

```
patient.biospecimen_cqcf.days_to_pathology_review:
      Min. 1st Qu.  Median    Mean 3rd Qu.  Max.  NA's
      0.0    53.5    351.0 1279.9 1620.5 6835.0    5
```

```
patient.biospecimen_cqcf.days_to_sample_procurement:
      Min. 1st Qu.  Median    Mean 3rd Qu.  Max.  NA's
     -12.00    0.00    4.00   25.53   35.00  718.00    1
```

```
patient.biospecimen_cqcf.digital_image_submitted:
      no yes
      274 254
```

```
patient.biospecimen_cqcf.ethnicity:
      hispanic or latino not hispanic or latino      NA's
      7             127             394
```

```

patient.biospecimen_cqcf.histological_type:
    head and neck squamous cell carcinoma
                                                517
head and neck squamous cell carcinoma spindle cell variant
                                                1
    head and neck squamous cell carcinoma basaloid type
                                                10

patient.biospecimen_cqcf.history_of_neoadjuvant_treatment:
                                                no
                                                518
yes, pharmaceutical treatment prior to resection
                                                1
    yes, radiation prior to resection
                                                9

patient.biospecimen_cqcf.normal_controls.normal_control.2.days_to_normal_sample_
    Min. 1st Qu.  Median    Mean 3rd Qu.    Max.    NA's
-26.00   0.00   0.00   66.31  14.00 1158.00    439

patient.biospecimen_cqcf.normal_controls.normal_control.2.extracted_dna.ncedna_d
    Min. 1st Qu.  Median    Mean 3rd Qu.    Max.    NA's
0.1970  0.2118  0.2550  55.5772  40.7160 282.0000    520

patient.biospecimen_cqcf.normal_controls.normal_control.2.extracted_dna.ncedna_d
    gentra puregene kit uv spectrophotometry
                                                NA's
                                                1
                                                7
                                                520

patient.biospecimen_cqcf.normal_controls.normal_control.2.extracted_dna.ncedna_d
    Min. 1st Qu.  Median    Mean 3rd Qu.    Max.    NA's
4.900   5.555   6.030   7.525   7.325  17.200    520

patient.biospecimen_cqcf.normal_controls.normal_control.2.extracted_dna.ncedna_d
    20  25  30  50 NA's
    1   5  1  1  520

patient.biospecimen_cqcf.normal_controls.normal_control.2.method_of_normal_sampl
    tumor resection
                                                NA's
                                                11
                                                517

patient.biospecimen_cqcf.normal_controls.normal_control.2.normal_tissue.normal_t
    distal (>2cm)
                                                NA's
                                                26
                                                502

patient.biospecimen_cqcf.normal_controls.normal_control.2.vial_number:
    1   2   3 NA's
    50  51  1  426

patient.biospecimen_cqcf.normal_controls.normal_control.3.days_to_normal_sample_

```

```

0      53 NA's
5      1  522

patient.biospecimen_cqcf.normal_controls.normal_control.3.extracted_dna.ncedna_d
0.216 NA's
      1  527

patient.biospecimen_cqcf.normal_controls.normal_control.3.extracted_dna.ncedna_d
uv spectrophotometry          NA's
                        1          527

patient.biospecimen_cqcf.normal_controls.normal_control.3.extracted_dna.ncedna_d
5.4 NA's
      1  527

patient.biospecimen_cqcf.normal_controls.normal_control.3.extracted_dna.ncedna_d
25 NA's
      1  527

patient.biospecimen_cqcf.normal_controls.normal_control.3.normal_tissue.normal_t
larynx NA's
      4  524

patient.biospecimen_cqcf.normal_controls.normal_control.3.normal_tissue.normal_t
distal (>2cm)          NA's
                        1          527

patient.biospecimen_cqcf.normal_controls.normal_control.3.vial_number:
      1  2 NA's
      5  1  522

patient.biospecimen_cqcf.normal_controls.normal_control.days_to_normal_sample_pr
      Min. 1st Qu.  Median    Mean 3rd Qu.    Max.    NA's
-384.00   0.00    5.00   33.37  34.00 1614.00     5

patient.biospecimen_cqcf.normal_controls.normal_control.extracted_dna.ncedna_dna
      Min.  1st Qu.  Median    Mean  3rd Qu.    Max.    NA's
0.0352   0.1240   0.3990  157.3650  260.0550 1107.1000    285

patient.biospecimen_cqcf.normal_controls.normal_control.extracted_dna.ncedna_dna
      Min. 1st Qu.  Median    Mean 3rd Qu.    Max.    NA's
1.99  12.44  17.00  19.16  20.00  315.52    285

patient.biospecimen_cqcf.normal_controls.normal_control.extracted_dna.ncedna_dna
      Min. 1st Qu.  Median    Mean 3rd Qu.    Max.    NA's
9.00  43.35  65.00  102.96  199.19  920.52    285

patient.biospecimen_cqcf.normal_controls.normal_control.method_of_normal_sample_
blood draw          NA's
                    207    321

```


patient.biospecimen_cqcf.normal_controls.normal_control.normal_tissue.normal_tis
 distal (>2cm) NA's
 30 498

patient.biospecimen_cqcf.normal_controls.normal_control.vial_number:
 1 2
 502 26

patient.biospecimen_cqcf.other_vessel_used:
 15 ml tube 15ml tube cryosette polypropylene tube
 3 3 1 3
 NA's
 518

patient.biospecimen_cqcf.path_confirm_diagnosis_matching:
 no yes NA's
 3 521 4

patient.biospecimen_cqcf.path_confirm_report_attached:
 yes
 528

patient.biospecimen_cqcf.path_confirm_tumor_necrosis_metrics:
 yes NA's
 524 4

patient.biospecimen_cqcf.path_confirm_tumor_nuclei_metrics:
 no yes NA's
 4 520 4

patient.biospecimen_cqcf.race:
 asian black or african american white
 2 18 132
 NA's
 376

patient.biospecimen_cqcf.reason_path_confirm_diagnosis_not_matching:
 macrodissection performed at tss to select for
 pathology analysis at tss determined a specific histological subtype different f

patient.biospecimen_cqcf.sample_prescreened:
 no yes
 4 524

patient.biospecimen_cqcf.site_of_disease:
 head/neck

528

patient.biospecimen_cqcf.submitted_for_lce:

no	yes	NA's
178	47	303

patient.biospecimen_cqcf.top_slide_submitted:

no	yes
306	222

patient.biospecimen_cqcf.tumor_samples.tumor_sample.2.tumor_necrosis_percent:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0.00	0.00	5.00	10.44	15.00	30.00	519

patient.biospecimen_cqcf.tumor_samples.tumor_sample.2.tumor_nuclei_percent:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
25.00	70.00	70.00	67.22	75.00	85.00	519

patient.biospecimen_cqcf.tumor_samples.tumor_sample.2.tumor_weight:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
31.0	82.5	200.0	157.1	202.0	300.0	521

patient.biospecimen_cqcf.tumor_samples.tumor_sample.2.vial_number:

1	2	NA's
3	7	518

patient.biospecimen_cqcf.tumor_samples.tumor_sample.tumor_necrosis_percent:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0.00	0.00	15.00	14.89	30.00	50.00	16

patient.biospecimen_cqcf.tumor_samples.tumor_sample.tumor_nuclei_percent:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
10.00	70.00	70.00	72.49	80.00	100.00	16

patient.biospecimen_cqcf.tumor_samples.tumor_sample.tumor_weight:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
8.0	104.2	199.0	188.8	200.0	2257.0	2

patient.biospecimen_cqcf.tumor_samples.tumor_sample.vial_number:

1	2
527	1

patient.biospecimen_cqcf.vessel_used:

biospecimen storage bag	cassette	cryomold
7	22	45
cryovial	other (please specify)	
444	10	

patient.days_to_index:

```

0 NA's
527 1

patient.samples.sample.2.bcr_biospecimen_canonical_reasons.bcr_canonical_reason:
primary tumor and metastatic tumor(s) NA's
2 526

patient.samples.sample.2.days_to_collection:
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
13.0 120.0 371.0 834.6 903.0 6651.0 325

patient.samples.sample.2.initial_weight:
180 670 NA's
1 1 526

patient.samples.sample.2.is_ffpe:
no
528

patient.samples.sample.2.oct_embedded:
false true NA's
198 1 329

patient.samples.sample.2.pathology_report_file_name:
tcga-ku-a6h7.010441cc-0047-41de-8416-565bcd270abb.pdf 1
tcga-uf-a71a.4e1d60ca-1c14-4c87-a590-96fa1d366bdc.pdf 1
NA's
526

patient.samples.sample.2.pathology_report_uuid:
010441cc-0047-41de-8416-565bcd270abb 4e1d60ca-1c14-4c87-a590-96fa1d366bdc
1 1
NA's
526

patient.samples.sample.2.portions.portion.analytes.analyte.2.a260_a280_ratio:
1.89 1.94 NA's
1 1 526

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.2.
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
150756749 153878527 153878536 156036038 153878577 167787800 523

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.2.
7 8 13 NA's
1 3 1 523

```

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.2.
 0.17 0.18 0.5 NA's
 1 1 3 523

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.2.
 15 24 30 NA's
 3 1 1 523

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.2.
 no NA's
 5 523

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.2.
 4 7 NA's
 1 4 523

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.2.
 2 6 9 NA's
 3 1 1 523

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.2.
 a315 a31r a39i NA's
 3 1 1 523

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.2.
 b d g h NA's
 1 2 1 1 523

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.2.
 2.21 3.6 5 NA's
 1 1 3 523

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.2.
 23 NA's
 5 523

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.2.
 10 13 20 NA's
 3 1 1 523

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.2.
 2013 2014 NA's
 4 1 523

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.bi
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 1.136e+08 1.323e+08 1.678e+08 4.879e+08 1.054e+09 1.062e+09 3

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.ce

```

7      8      13 NA's
1 523      1      3

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.co
0.17 0.18 0.5 NA's
1      1 523      3

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.da
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.    NA's
  2.0      8.0    15.0    15.4   24.0    30.0      3

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.is
no NA's
525      3

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.mo
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.    NA's
 1.000   3.000   7.000   5.971   8.000  12.000      3

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.pl
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.    NA's
 1.000   5.000   7.000   7.048   9.000  12.000      3

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.qu
2.34 3.4      40 NA's
1      1 523      3

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.so
 22  23 NA's
312 213      3

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.vo
 13  20  80 NA's
1      1 523      3

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.ye
2011 2012 2013 2014 NA's
241   71  143   70      3

patient.samples.sample.2.portions.portion.analytes.analyte.2.amount:
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.    NA's
 58.31 168.00 177.00 179.04 188.75 260.00    214

patient.samples.sample.2.portions.portion.analytes.analyte.2.analyte_type:
repli-g (qiagen) dna                      rna                      NA's
                   523                      2                      3

patient.samples.sample.2.portions.portion.analytes.analyte.2.analyte_type_id:
r      w NA's
2 523      3

```

patient.samples.sample.2.portions.portion.analytes.analyte.2.concentration:
 0.17 0.18 0.5 NA's
 1 1 312 214

patient.samples.sample.2.portions.portion.analytes.analyte.2.dna.normal_tumor_ge
 yes NA's
 523 5

patient.samples.sample.2.portions.portion.analytes.analyte.2.dna.pcr_amplificati
 no yes NA's
 312 211 5

patient.samples.sample.2.portions.portion.analytes.analyte.2.gel_image_file:
<https://sharedoc.nchri.org/tcga-bcr/default.aspx>
 525
 NA's
 3

patient.samples.sample.2.portions.portion.analytes.analyte.2.is_derived_from_ffp
 no NA's
 525 3

patient.samples.sample.2.portions.portion.analytes.analyte.2.protocols.protocol.
 mirvana (allprep dna) rna repli-g repli-g x
 2 507 16
 NA's
 3

patient.samples.sample.2.portions.portion.analytes.analyte.2.rna.ratio_28s_18s:
 1.27 1.83 NA's
 1 1 526

patient.samples.sample.2.portions.portion.analytes.analyte.2.rna.rinvalue:
 8.6 8.8 NA's
 1 1 526

patient.samples.sample.2.portions.portion.analytes.analyte.2.spectrophotometer_m
 picogreen uv spec NA's
 222 92 214

patient.samples.sample.2.portions.portion.analytes.analyte.2.subportion_sequence
 1 NA's
 2 526

patient.samples.sample.2.portions.portion.analytes.analyte.3.aliquots.aliquot.bo
 tcga-ku-a6h7-06a-21w-a333-08 tcga-uf-a71a-06a-11w-a44y-08
 1 1
 NA's
 526

patient.samples.sample.2.portions.portion.analytes.analyte.3.aliquots.aliquot.bo
ddb38cf0-b307-4796-ae26-f7a66d4c3a03 e75d960b-ae8e-4973-97e9-e5d7b57e1258

1 1
NA's
526

patient.samples.sample.2.portions.portion.analytes.analyte.3.aliquots.aliquot.bi
153887520 167788761 NA's

1 1 526

patient.samples.sample.2.portions.portion.analytes.analyte.3.aliquots.aliquot.ce

8 NA's
2 526

patient.samples.sample.2.portions.portion.analytes.analyte.3.aliquots.aliquot.co

0.5 NA's
2 526

patient.samples.sample.2.portions.portion.analytes.analyte.3.aliquots.aliquot.da

8 21 NA's
1 1 526

patient.samples.sample.2.portions.portion.analytes.analyte.3.aliquots.aliquot.is

no NA's
2 526

patient.samples.sample.2.portions.portion.analytes.analyte.3.aliquots.aliquot.mo

7 10 NA's
1 1 526

patient.samples.sample.2.portions.portion.analytes.analyte.3.aliquots.aliquot.pl

1 11 NA's
1 1 526

patient.samples.sample.2.portions.portion.analytes.analyte.3.aliquots.aliquot.pl

a333 a44y NA's
1 1 526

patient.samples.sample.2.portions.portion.analytes.analyte.3.aliquots.aliquot.pl

d h NA's
1 1 526

patient.samples.sample.2.portions.portion.analytes.analyte.3.aliquots.aliquot.qu

40 NA's
2 526

patient.samples.sample.2.portions.portion.analytes.analyte.3.aliquots.aliquot.so

23 NA's
2 526

patient.samples.sample.2.portions.portion.analytes.analyte.3.aliquots.aliquot.vo

```

80 NA's
2 526

patient.samples.sample.2.portions.portion.analytes.analyte.3.aliquots.aliquot.ye
2013 2014 NA's
1 1 526

patient.samples.sample.2.portions.portion.analytes.analyte.3.analyte_type:
repli-g (qiagen) dna NA's
2 526

patient.samples.sample.2.portions.portion.analytes.analyte.3.analyte_type_id:
w NA's
2 526

patient.samples.sample.2.portions.portion.analytes.analyte.3.bcr_analyte_barcode
tcga-ku-a6h7-06a-21w tcga-uf-a71a-06a-11w NA's
1 1 526

patient.samples.sample.2.portions.portion.analytes.analyte.3.bcr_analyte_uuid:
5f615d28-3a17-4ddc-951c-5aa90376569c 63b97922-7cb4-45af-92b6-86539737ca35
1 1
NA's
526

patient.samples.sample.2.portions.portion.analytes.analyte.3.dna.normal_tumor_ge
yes NA's
2 526

patient.samples.sample.2.portions.portion.analytes.analyte.3.dna.pcr_amplificati
yes NA's
2 526

patient.samples.sample.2.portions.portion.analytes.analyte.3.gel_image_file:
https://sharedoc.nchri.org/tcga-bcr/default.aspx
2
NA's
526

patient.samples.sample.2.portions.portion.analytes.analyte.3.is_derived_from_ffp
no NA's
2 526

patient.samples.sample.2.portions.portion.analytes.analyte.3.protocols.protocol.
repli-g NA's
2 526

patient.samples.sample.2.portions.portion.analytes.analyte.3.subportion_sequence
1 NA's
2 526

patient.samples.sample.2.portions.portion.analytes.analyte.a260_a280_ratio:

```


Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1.400	1.800	1.900	1.869	1.900	2.000	363

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.2.bi

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.
1.040e+08	1.210e+08	1.323e+08	3.864e+08	1.050e+09	1.076e+09

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.2.ce

1	2	8
131	40	357

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.2.co

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.
0.05000	0.05000	0.08000	0.09121	0.14000	0.17000

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.2.da

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.
6.00	12.00	19.00	18.48	25.00	30.00

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.2.is

no
528

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.2.mo

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.
1.000	4.000	7.000	7.583	11.000	12.000

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.2.pl

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.
1.000	4.000	6.000	6.451	8.000	12.000

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.2.qu

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.
0.870	1.300	3.000	2.401	3.000	3.600

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.2.so

22	23
328	200

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.2.vo

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.
6.67	10.00	40.00	35.37	60.00	60.00

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.2.ye

2010	2011	2012	2013	2014
39	233	86	158	12

```

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.3.bi
  Min. 1st Qu.  Median      Mean 3rd Qu.  Max.  NA's
1.040e+08 1.087e+08 1.283e+08 5.530e+08 1.054e+09 1.076e+09 301

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.3.ce
  5  8 10 26 NA's
  8 169 5 45 301

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.3.co
  Min. 1st Qu.  Median      Mean 3rd Qu.  Max.  NA's
0.05000 0.05000 0.05000 0.07392 0.07500 0.17000 301

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.3.da
  Min. 1st Qu.  Median      Mean 3rd Qu.  Max.  NA's
 2.00 13.00 20.00 18.65 27.00 30.00 301

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.3.is
no NA's
227 301

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.3.mo
  Min. 1st Qu.  Median      Mean 3rd Qu.  Max.  NA's
 1.000 5.500 7.000 6.524 7.000 11.000 301

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.3.pl
  Min. 1st Qu.  Median      Mean 3rd Qu.  Max.  NA's
 1.000 6.000 8.000 7.767 10.000 12.000 301

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.3.qu
  Min. 1st Qu.  Median      Mean 3rd Qu.  Max.  NA's
 0.930 2.000 3.000 2.585 3.000 4.200 301

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.3.so
 22 23 NA's
221 6 301

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.3.vo
  Min. 1st Qu.  Median      Mean 3rd Qu.  Max.  NA's
 6.67 28.35 40.00 43.82 60.00 60.00 301

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.3.ye
  Min. 1st Qu.  Median      Mean 3rd Qu.  Max.  NA's
2010 2011 2011 2011 2012 2014 301

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.4.bi
  Min. 1st Qu.  Median      Mean 3rd Qu.  Max.  NA's
1.087e+08 1.283e+08 1.283e+08 2.630e+08 1.508e+08 1.076e+09 479

```

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.4.ce
 5 8 10 NA's
 11 15 23 479

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.4.co
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 0.0500 0.0500 0.0800 0.0939 0.1400 0.1700 479

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.4.da
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 2.00 2.00 16.00 11.98 20.00 30.00 479

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.4.is
 no NA's
 49 479

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.4.mo
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 1.000 4.000 5.000 5.755 10.000 10.000 479

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.4.pl
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 1.000 2.000 4.000 3.918 6.000 7.000 479

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.4.qu
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 0.530 1.600 2.000 2.651 3.740 4.800 479

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.4.so
 22 23 NA's
 34 15 479

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.4.vo
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 10.60 20.00 26.70 29.68 30.00 60.00 479

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.4.ye
 2011 2012 2013 NA's
 17 17 15 479

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.5.bi
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 128285338 128287358 150756972 147056737 150757041 167811805 519

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.5.ce
 8 9 10 NA's
 1 1 7 519

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.5.co
 0.05 0.07 0.08 0.15 NA's
 2 3 3 1 519

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.5.da
 2 16 21 30 NA's
 5 1 2 1 519

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.5.is
 no NA's
 9 519

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.5.mo
 1 4 5 10 NA's
 2 1 2 4 519

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.5.pl
 1 2 3 4 NA's
 1 5 1 2 519

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.5.qu
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 1.000 1.070 1.400 1.827 1.600 4.500 519

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.5.so
 22 23 NA's
 3 6 519

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.5.vo
 13.4 20 30 60 NA's
 2 5 1 1 519

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.5.ye
 2012 2013 2015 NA's
 3 4 2 519

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.6.bo
 tcga-cv-5443-11a-01d-a46a-09 NA's
 1 527

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.6.bo
 9ae993ad-ea03-4539-90d1-8d52ca61ff80 NA's
 1 527

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.6.bi
 167811794 NA's
 1 527

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.6.ce

9 NA's
 1 527

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.6.co
 0.08 NA's
 1 527

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.6.da
 21 NA's
 1 527

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.6.is
 no NA's
 1 527

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.6.mo
 1 NA's
 1 527

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.6.pl
 3 NA's
 1 527

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.6.pl
 a46a NA's
 1 527

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.6.pl
 d NA's
 1 527

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.6.qu
 1.07 NA's
 1 527

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.6.so
 23 NA's
 1 527

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.6.vo
 13.4 NA's
 1 527

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.6.ye
 2015 NA's
 1 527

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.bios
 Min. 1st Qu. Median Mean 3rd Qu. Max.
 1.040e+08 1.210e+08 1.323e+08 3.868e+08 1.050e+09 1.076e+09

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.cent
 1 2 8
 397 130 1

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.conc
 Min. 1st Qu. Median Mean 3rd Qu. Max.
 0.080 0.140 0.150 0.149 0.160 0.170

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.day_
 Min. 1st Qu. Median Mean 3rd Qu. Max.
 6.00 12.00 19.00 18.48 25.00 30.00

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.is_d
 no
 528

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.mont
 Min. 1st Qu. Median Mean 3rd Qu. Max.
 1.000 4.000 7.000 7.583 11.000 12.000

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.plat
 Min. 1st Qu. Median Mean 3rd Qu. Max.
 1.000 4.000 6.000 6.432 8.000 12.000

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.quant
 Min. 1st Qu. Median Mean 3rd Qu. Max.
 0.800 0.940 1.060 1.199 1.140 2.260

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.sour
 22 23
 328 200

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.vol
 Min. 1st Qu. Median Mean 3rd Qu. Max.
 5.000 6.670 6.700 8.078 6.700 20.000

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.year
 2010 2011 2012 2013 2014
 39 233 86 158 12

patient.samples.sample.2.portions.portion.analytes.analyte.amount:
 Min. 1st Qu. Median Mean 3rd Qu. Max.
 0.00 14.00 36.31 103.70 91.25 1324.00

patient.samples.sample.2.portions.portion.analytes.analyte.analyte_type:
 dna
 528

patient.samples.sample.2.portions.portion.analytes.analyte.analyte_type_id:

d
528

patient.samples.sample.2.portions.portion.analytes.analyte.concentration:
0.13 0.14 0.15 0.16 0.17
40 166 160 121 41

patient.samples.sample.2.portions.portion.analytes.analyte.dna.normal_tumor_gene:
yes
528

patient.samples.sample.2.portions.portion.analytes.analyte.dna.pcr_amplification:
no yes
329 199

patient.samples.sample.2.portions.portion.analytes.analyte.gel_image_file:
<https://sharedoc.nchri.org/tcga-bcr/default.aspx>
528

patient.samples.sample.2.portions.portion.analytes.analyte.is_derived_from_ffpe:
no
528

patient.samples.sample.2.portions.portion.analytes.analyte.protocols.protocol.name:
adna preparation type chemical lysis dna extraction
120 76
pre-extracted dna received by tss
332

patient.samples.sample.2.portions.portion.analytes.analyte.spectrophotometer_method:
picogreen uv spec
363 165

patient.samples.sample.2.portions.portion.analytes.analyte.subportion_sequence:
1 NA's
2 526

patient.samples.sample.2.portions.portion.day_of_creation:
Min. 1st Qu. Median Mean 3rd Qu. Max.
1.00 10.00 17.00 16.02 22.00 31.00

patient.samples.sample.2.portions.portion.is_ffpe:
no
528

patient.samples.sample.2.portions.portion.month_of_creation:
Min. 1st Qu. Median Mean 3rd Qu. Max.
1.000 5.000 7.000 7.032 9.000 12.000

patient.samples.sample.2.portions.portion.portion_number:

```
1 2 11 21
524 2 1 1
```

patient.samples.sample.2.portions.portion.portion_sequence:

```
1 2 NA's
184 3 341
```

patient.samples.sample.2.portions.portion.slides.slide.2.bcr_slide_barcode:

```
tcga-cv-5439-11b-01-ts1 NA's
1 527
```

patient.samples.sample.2.portions.portion.slides.slide.2.bcr_slide_uuid:

```
866024e7-85c6-4ecc-a121-balea5a48bf7 NA's
1 527
```

patient.samples.sample.2.portions.portion.slides.slide.2.is_derived_from_ffpe:

```
no NA's
1 527
```

patient.samples.sample.2.portions.portion.slides.slide.2.section_location:

```
top NA's
1 527
```

patient.samples.sample.2.portions.portion.slides.slide.is_derived_from_ffpe:

```
no NA's
19 509
```

patient.samples.sample.2.portions.portion.slides.slide.percent_lymphocyte_infiltration:

```
5 15 NA's
1 1 526
```

patient.samples.sample.2.portions.portion.slides.slide.percent_monocyte_infiltration:

```
0 3 NA's
1 1 526
```

patient.samples.sample.2.portions.portion.slides.slide.percent_necrosis:

```
0 5 NA's
1 1 526
```

patient.samples.sample.2.portions.portion.slides.slide.percent_neutrophil_infiltration:

```
0 3 NA's
1 1 526
```

patient.samples.sample.2.portions.portion.slides.slide.percent_normal_cells:

```
0 NA's
2 526
```



```
patient.samples.sample.2.portions.portion.slides.slide.percent_stromal_cells:
  25  40 NA's
  1   1  526
```

```
patient.samples.sample.2.portions.portion.slides.slide.percent_tumor_cells:
  60  70 NA's
  1   1  526
```

```
patient.samples.sample.2.portions.portion.slides.slide.percent_tumor_nuclei:
  75  80 NA's
  1   1  526
```

```
patient.samples.sample.2.portions.portion.slides.slide.section_location:
bottom  top  NA's
  1     18  509
```

```
patient.samples.sample.2.portions.portion.weight:
  1   2  30 NA's
  4 114   2  408
```

```
patient.samples.sample.2.portions.portion.year_of_creation:
2010 2011 2012 2013 2014
  74  223   81  139   11
```

```
patient.samples.sample.2.sample_type:
blood derived normal      metastatic  solid tissue normal
                509                        2                17
```

```
patient.samples.sample.2.sample_type_id:
  6  10  11
  2 509  17
```

```
patient.samples.sample.2.vial_number:
  a  b  c  d
504 16  2  6
```

```
patient.samples.sample.3.bcr_biospecimen_canonical_reasons.bcr_canonical_reason:
germline comparison      NA's
                2                526
```

```
patient.samples.sample.3.days_to_collection:
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.    NA's
  36.0  136.0   230.0   359.1  321.5  1333.0   521
```

```
patient.samples.sample.3.initial_weight:
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.    NA's
  20     60     80     74    100    110    523
```

```
patient.samples.sample.3.intermediate_dimension:
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.    NA's
```

```

0.3000 0.7000 0.8000 0.8377 1.0000 1.6000 475

patient.samples.sample.3.is_ffpe:
  no NA's
  67 461

patient.samples.sample.3.longest_dimension:
  Min. 1st Qu.  Median    Mean 3rd Qu.  Max.    NA's
  0.600  1.000  1.200  1.211  1.500  1.900  475

patient.samples.sample.3.oct_embedded:
false NA's
  7 521

patient.samples.sample.3.portions.portion.analytes.analyte.2.a260_a280_ratio:
  1.2 1.6 1.7 1.8 NA's
  1  1  5 10 511

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.2.
  Min. 1st Qu.  Median    Mean 3rd Qu.  Max.    NA's
1.136e+08 1.173e+08 1.244e+08 5.743e+08 1.054e+09 1.076e+09 489

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.2.
  7 NA's
  39 489

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.2.
  Min. 1st Qu.  Median    Mean 3rd Qu.  Max.    NA's
  0.1300 0.1500 0.1500 0.1521 0.1600 0.1700 489

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.2.
  Min. 1st Qu.  Median    Mean 3rd Qu.  Max.    NA's
  10.00 12.00 12.00 16.38 27.00 29.00 489

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.2.
  no NA's
  39 489

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.2.
  Min. 1st Qu.  Median    Mean 3rd Qu.  Max.    NA's
  1.000  7.000 10.000  8.333 10.000 12.000 489

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.2.
  Min. 1st Qu.  Median    Mean 3rd Qu.  Max.    NA's
  3.000  6.000  7.000  7.744 10.000 12.000 489

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.2.
  Min. 1st Qu.  Median    Mean 3rd Qu.  Max.    NA's
  1915  1966  2016  2025  2081  2403  489

```

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.2.
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 1.730 2.000 2.000 2.025 2.130 2.260 489

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.2.
 22 NA's
 39 489

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.2.
 13.3 NA's
 39 489

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.2.
 2011 2012 NA's
 33 6 489

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.bi
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 1.136e+08 1.210e+08 6.089e+08 5.880e+08 1.054e+09 1.076e+09 466

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.ce
 8 13 NA's
 23 39 466

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.co
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 0.1300 0.1500 0.1600 0.2811 0.5000 0.5000 466

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.da
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 7.00 12.00 14.00 16.45 24.00 30.00 466

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.is
 no NA's
 62 466

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.mo
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 1.000 5.000 8.000 7.516 10.000 12.000 466

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.pl
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 1.000 5.000 7.500 7.403 10.000 12.000 466

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.qu
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 2.60 3.00 3.20 16.75 40.00 40.00 466

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.so
 22 23 NA's
 60 2 466

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.vo
 20 80 NA's
 39 23 466

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.ye
 2011 2012 2013 2014 NA's
 49 11 1 1 466

patient.samples.sample.3.portions.portion.analytes.analyte.2.amount:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 26.2 133.2 166.7 165.5 203.2 352.2 468

patient.samples.sample.3.portions.portion.analytes.analyte.2.analyte_type:
 repli-g (qiagen) dna rna NA's
 23 39 466

patient.samples.sample.3.portions.portion.analytes.analyte.2.analyte_type_id:
 r w NA's
 39 23 466

patient.samples.sample.3.portions.portion.analytes.analyte.2.concentration:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 0.1300 0.1500 0.1600 0.2738 0.5000 0.5000 468

patient.samples.sample.3.portions.portion.analytes.analyte.2.dna.normal_tumor_ge
 yes NA's
 23 505

patient.samples.sample.3.portions.portion.analytes.analyte.2.dna.pcr_amplificati
 no yes NA's
 21 2 505

patient.samples.sample.3.portions.portion.analytes.analyte.2.gel_image_file:
<https://sharedoc.nchri.org/tcga-bcr/default.aspx>
 62
 NA's
 466

patient.samples.sample.3.portions.portion.analytes.analyte.2.is_derived_from_ffp
 no NA's
 62 466

patient.samples.sample.3.portions.portion.analytes.analyte.2.protocols.protocol.
 mirvana (allprep dna) rna repli-g NA's
 39 23 466

```

patient.samples.sample.3.portions.portion.analytes.analyte.2.rna.ratio_28s_18s:
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.    NA's
  0.990  1.220  1.400  1.466  1.700  2.100  489

patient.samples.sample.3.portions.portion.analytes.analyte.2.rna.rinvalue:
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.    NA's
  7.000  7.800  8.300  8.361  9.000  9.700  489

patient.samples.sample.3.portions.portion.analytes.analyte.2.spectrophotometer_m
picogreen  uv spec      NA's
      14         46      468

patient.samples.sample.3.portions.portion.analytes.analyte.3.aliquots.aliquot.bi
  Min.  1st Qu.  Median    Mean  3rd Qu.    Max.    NA's
1.136e+08 1.173e+08 1.210e+08 5.053e+08 1.062e+09 1.062e+09  489

patient.samples.sample.3.portions.portion.analytes.analyte.3.aliquots.aliquot.ce
  8 NA's
  39 489

patient.samples.sample.3.portions.portion.analytes.analyte.3.aliquots.aliquot.co
  0.5 NA's
  39 489

patient.samples.sample.3.portions.portion.analytes.analyte.3.aliquots.aliquot.da
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.    NA's
  7.00  7.00  15.00  15.41  25.00  30.00  489

patient.samples.sample.3.portions.portion.analytes.analyte.3.aliquots.aliquot.is
  no NA's
  39 489

patient.samples.sample.3.portions.portion.analytes.analyte.3.aliquots.aliquot.mo
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.    NA's
  1.000  3.000  8.000  7.564  11.000  12.000  489

patient.samples.sample.3.portions.portion.analytes.analyte.3.aliquots.aliquot.pl
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.    NA's
  1.000  4.000  6.000  6.462  9.500  12.000  489

patient.samples.sample.3.portions.portion.analytes.analyte.3.aliquots.aliquot.qu
  40 NA's
  39 489

patient.samples.sample.3.portions.portion.analytes.analyte.3.aliquots.aliquot.so
  22 23 NA's
  38 1 489

```

patient.samples.sample.3.portions.portion.analytes.analyte.3.aliquots.aliquot.volumes
 80 NA's
 39 489

patient.samples.sample.3.portions.portion.analytes.analyte.3.aliquots.aliquot.years
 2011 2012 2013 NA's
 28 10 1 489

patient.samples.sample.3.portions.portion.analytes.analyte.3.amount:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 141.0 161.2 171.5 170.2 180.0 191.0 490

patient.samples.sample.3.portions.portion.analytes.analyte.3.analyte_type:
 repli-g (qiagen) dna NA's
 39 489

patient.samples.sample.3.portions.portion.analytes.analyte.3.analyte_type_id:
 w NA's
 39 489

patient.samples.sample.3.portions.portion.analytes.analyte.3.concentration:
 0.5 NA's
 38 490

patient.samples.sample.3.portions.portion.analytes.analyte.3.dna.normal_tumor_genes
 yes NA's
 39 489

patient.samples.sample.3.portions.portion.analytes.analyte.3.dna.pcr_amplification
 no yes NA's
 38 1 489

patient.samples.sample.3.portions.portion.analytes.analyte.3.gel_image_file:
<https://sharedoc.nchri.org/tcga-bcr/default.aspx>
 39
 NA's
 489

patient.samples.sample.3.portions.portion.analytes.analyte.3.is_derived_from_ffp
 no NA's
 39 489

patient.samples.sample.3.portions.portion.analytes.analyte.3.protocols.protocol.
 repli-g repli-g x NA's
 38 1 489

patient.samples.sample.3.portions.portion.analytes.analyte.3.spectrophotometer_measurement
 picogreen NA's
 38 490

```

patient.samples.sample.3.portions.portion.analytes.analyte.a260_a280_ratio:
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.   NA's
  1.800  1.895  1.900  1.886  1.900  2.000   500

```

```

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.2.bo
case matched expression control
                                NA's
                                526

```

```

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.2.bi
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.   NA's
1.087e+08 1.136e+08 1.210e+08 4.842e+08 1.054e+09 1.076e+09   461

```

```

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.2.ce
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.   NA's
  1.000  2.000  8.000  6.298  8.000 13.000   461

```

```

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.2.co
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.   NA's
  0.0500  0.0500  0.0500  0.0888  0.1400  0.1800   461

```

```

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.2.da
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.   NA's
  10.00  12.00  12.00  16.94  24.00  27.00   461

```

```

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.2.is
no NA's
67 461

```

```

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.2.mo
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.   NA's
  1.000  6.500  7.000  7.597 10.000 12.000   461

```

```

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.2.pl
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.   NA's
  3.000  5.000  7.000  7.522 10.000 12.000   461

```

```

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.2.qu
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.   NA's
  0.870  1.500  3.000  2.469  3.000  3.600   461

```

```

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.2.so
22 23 NA's
60 7 461

```

```

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.2.vo
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.   NA's
  6.67  10.00  60.00  40.29  60.00  60.00   461

```

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.2.ye
 2011 2012 2013 NA's
 51 9 7 461

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.3.bi
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 1.087e+08 1.136e+08 1.062e+09 6.865e+08 1.062e+09 1.076e+09 475

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.3.ce
 5 7 8 26 NA's
 24 1 21 7 475

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.3.co
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 0.0500 0.0500 0.1400 0.1091 0.1500 0.1700 475

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.3.da
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 9.00 12.00 13.00 17.02 27.00 27.00 475

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.3.is
 no NA's
 53 475

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.3.mo
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 1.000 6.000 7.000 7.811 10.000 12.000 475

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.3.pl
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 1.000 6.000 8.000 7.887 11.000 12.000 475

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.3.qu
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 1.060 2.000 2.800 2.494 3.000 3.740 475

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.3.so
 22 23 NA's
 52 1 475

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.3.vo
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 6.60 13.30 20.00 32.25 60.00 60.00 475

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.3.ye
 2011 2012 2014 NA's
 44 8 1 475


```

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.4.bi
  Min. 1st Qu.  Median      Mean 3rd Qu.  Max.  NA's
1.087e+08 1.136e+08 1.136e+08 5.079e+08 1.062e+09 1.062e+09 492

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.4.ce
  5 8 10 26 NA's
20 1 1 14 492

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.4.co
  Min. 1st Qu.  Median      Mean 3rd Qu.  Max.  NA's
0.0500 0.1400 0.1400 0.1411 0.1500 0.1700 492

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.4.da
  Min. 1st Qu.  Median      Mean 3rd Qu.  Max.  NA's
13.00 13.00 20.00 19.86 27.00 27.00 492

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.4.is
no NA's
36 492

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.4.mo
  Min. 1st Qu.  Median      Mean 3rd Qu.  Max.  NA's
1.000 6.000 6.000 5.889 7.000 7.000 492

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.4.pl
  Min. 1st Qu.  Median      Mean 3rd Qu.  Max.  NA's
1.000 2.000 5.500 4.194 6.000 7.000 492

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.4.pl
  Min. 1st Qu.  Median      Mean 3rd Qu.  Max.  NA's
1512 1913 1913 2031 2318 2318 492

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.4.qu
  Min. 1st Qu.  Median      Mean 3rd Qu.  Max.  NA's
1.000 1.965 2.800 2.587 3.050 3.740 492

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.4.so
22 NA's
36 492

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.4.vo
  Min. 1st Qu.  Median      Mean 3rd Qu.  Max.  NA's
13.30 13.30 20.00 18.79 20.00 40.00 492

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.4.ye
2011 2012 NA's
21 15 492

```

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.5.bo
tcga-cv-6961-11a-01d-2268-08 NA's
1 527

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.5.bo
26f6321f-f079-430f-8b87-5f06b92c07af NA's
1 527

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.5.bi
128287377 NA's
1 527

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.5.ce
8 NA's
1 527

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.5.co
0.16 NA's
1 527

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.5.da
2 NA's
1 527

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.5.is
no NA's
1 527

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.5.mo
5 NA's
1 527

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.5.pl
3 NA's
1 527

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.5.pl
2268 NA's
1 527

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.5.pl
g NA's
1 527

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.5.qu
4.8 NA's
1 527

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.5.so
22 NA's
1 527

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.5.vo
 30 NA's
 1 527

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.5.ye
 2012 NA's
 1 527

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.bcr_
 case matched expression control NA's
 2 526

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.bios
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 1.087e+08 1.136e+08 1.210e+08 4.697e+08 1.054e+09 1.076e+09 461

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.cent
 1 2 7 13 NA's
 55 7 4 1 461

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.conc
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 0.1300 0.1400 0.1500 0.1473 0.1500 0.1800 461

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.day_
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 10.00 12.00 12.00 16.94 24.00 27.00 461

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.is_d
 no NA's
 67 461

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.mont
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 1.000 6.500 7.000 7.597 10.000 12.000 461

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.plat
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 3.000 5.000 7.000 7.522 10.000 12.000 461

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.quan
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 0.870 0.930 1.000 1.176 1.070 3.600 461

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.sour
 22 23 NA's
 60 7 461

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.volum
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 6.67 6.67 6.67 7.94 6.67 20.00 461

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.year
 2011 2012 2013 NA's
 51 9 7 461

patient.samples.sample.3.portions.portion.analytes.analyte.amount:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 3.22 52.70 99.70 117.88 180.50 374.00 461

patient.samples.sample.3.portions.portion.analytes.analyte.analyte_type:
 dna rna NA's
 62 5 461

patient.samples.sample.3.portions.portion.analytes.analyte.analyte_type_id:
 d r NA's
 62 5 461

patient.samples.sample.3.portions.portion.analytes.analyte.bcr_biospecimen_canon
 case matched expression control NA's
 1 527

patient.samples.sample.3.portions.portion.analytes.analyte.concentration:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 0.1300 0.1400 0.1500 0.1473 0.1500 0.1800 461

patient.samples.sample.3.portions.portion.analytes.analyte.dna.normal_tumor_genom
 yes NA's
 62 466

patient.samples.sample.3.portions.portion.analytes.analyte.dna.pcr_amplification
 no yes NA's
 60 2 466

patient.samples.sample.3.portions.portion.analytes.analyte.gel_image_file:
<https://sharedoc.nchri.org/tcga-bcr/default.aspx>
 67
 NA's
 461

patient.samples.sample.3.portions.portion.analytes.analyte.is_derived_from_ffpe:
 no NA's
 67 461

patient.samples.sample.3.portions.portion.analytes.analyte.protocols.protocol.ex
 adna preparation type mirvana (allprep dna) rna
 55 5
 pre-extracted dna received by tss NA's

patient.samples.sample.3.portions.portion.analytes.analyte.rna.ratio_28s_18s:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1.130	1.280	1.350	1.366	1.380	1.690	523

patient.samples.sample.3.portions.portion.analytes.analyte.rna.rinvalue:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
7.00	7.30	7.70	7.66	7.80	8.50	523

patient.samples.sample.3.portions.portion.analytes.analyte.spectrophotometer_met

picogreen	uv spec	NA's
39	28	461

patient.samples.sample.3.portions.portion.analytes.analyte.subportion_sequence:

1	NA's
5	523

patient.samples.sample.3.portions.portion.day_of_creation:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1.00	3.00	22.00	16.43	24.50	26.00	461

patient.samples.sample.3.portions.portion.is_ffpe:

no NA's
67 461

patient.samples.sample.3.portions.portion.month_of_creation:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
2.000	6.000	7.000	7.194	8.500	11.000	461

patient.samples.sample.3.portions.portion.portion_number:

1	11	21	NA's
62	4	1	461

patient.samples.sample.3.portions.portion.portion_sequence:

1	2	NA's
6	1	521

patient.samples.sample.3.portions.portion.slides.slide.is_derived_from_ffpe:

no NA's
61 467

patient.samples.sample.3.portions.portion.slides.slide.percent_lymphocyte_infiltr

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0.00	0.75	4.00	12.08	16.25	40.00	516

patient.samples.sample.3.portions.portion.slides.slide.percent_monocyte_infiltra

```

0 1 3 20 NA's
4 2 1 2 519

```

patient.samples.sample.3.portions.portion.slides.slide.percent_necrosis:

```

0 20 NA's
4 1 523

```

patient.samples.sample.3.portions.portion.slides.slide.percent_neutrophil_infiltration:

```

0 1 3 20 NA's
5 2 1 2 518

```

patient.samples.sample.3.portions.portion.slides.slide.percent_normal_cells:

```

40 70 100 NA's
1 1 3 523

```

patient.samples.sample.3.portions.portion.slides.slide.percent_stromal_cells:

```

0 30 40 NA's
3 1 1 523

```

patient.samples.sample.3.portions.portion.slides.slide.percent_tumor_cells:

```

0 NA's
5 523

```

patient.samples.sample.3.portions.portion.slides.slide.percent_tumor_nuclei:

```

0 NA's
5 523

```

patient.samples.sample.3.portions.portion.slides.slide.section_location:

```

top NA's
61 467

```

patient.samples.sample.3.portions.portion.weight:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
2.00	57.00	62.00	57.20	64.25	74.00	468

patient.samples.sample.3.portions.portion.year_of_creation:

```

2010 2011 2012 2013 NA's
1 58 1 7 461

```

patient.samples.sample.3.sample_type:

blood derived	normal	solid tissue	normal	NA's
	2		65	461

patient.samples.sample.3.sample_type_id:

```

10 11 NA's
2 65 461

```

patient.samples.sample.3.shortest_dimension:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0.3000	0.4000	0.5000	0.5151	0.6000	1.0000	475

patient.samples.sample.3.vial_number:

a	b	NA's
63	4	461

patient.samples.sample.days_to_collection:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
13.0	117.0	344.0	827.9	866.0	6651.0	331

patient.samples.sample.diagnostic_slides.ffpe_slide_uuid.3:

4c6d6f13-08e5-41dd-be8f-d89087d00f22	9117aba6-d184-4ea1-b7ba-6006427dc59d	1	1
e58a0e28-d773-493b-8119-5883f1aa9b79		1	NA's
			525

patient.samples.sample.diagnostic_slides.ffpe_slide_uuid.4:

370068fc-e205-494a-a5c1-0cbafe2a28f2		1	NA's
			527

patient.samples.sample.initial_weight:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
10	70	130	167	210	870	331

patient.samples.sample.intermediate_dimension:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0.000	0.400	0.600	0.617	0.800	1.800	223

patient.samples.sample.is_ffpe:

no	
	528

patient.samples.sample.longest_dimension:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0.1000	0.7000	0.9000	0.9334	1.2000	3.2000	223

patient.samples.sample.oct_embedded:

false	true	NA's
101	97	330

patient.samples.sample.portions.portion.analytes.analyte.2.a260_a280_ratio:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1.640	1.800	1.800	1.827	1.870	2.230	130

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.2.bi

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1.040e+08	1.210e+08	1.507e+08	3.792e+08	1.050e+09	1.076e+09	5

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.2.ce
 7 13 NA's
 409 114 5

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.2.co
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 0.1300 0.1500 0.1500 0.1568 0.1600 0.1800 5

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.2.da
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 6.00 12.00 19.00 18.69 25.00 30.00 5

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.2.is
 no NA's
 523 5

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.2.mo
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 1.000 4.000 7.000 7.518 11.000 12.000 5

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.2.pl
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 1.000 2.000 4.000 4.038 5.000 12.000 5

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.2.qu
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 1.730 2.000 2.210 2.673 3.400 4.540 5

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.2.sc
 22 23 NA's
 323 200 5

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.2.vo
 13 13.3 20 26.7 NA's
 86 231 114 92 5

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.2.ye
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 2010 2011 2011 2012 2013 2014 5

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.3.bi
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 167812919 167812924 167812968 167812960 167812987 167812989 519

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.3.ce
 7 NA's
 9 519

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.3.co
0.15 0.16 0.17 0.18 NA's
3 1 3 2 519

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.3.da
9 NA's
9 519

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.3.is
no NA's
9 519

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.3.mo
12 NA's
9 519

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.3.pl
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
1.000 1.000 4.000 3.556 5.000 6.000 519

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.3.pl
a466 NA's
9 519

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.3.qu
0.99 1.06 1.12 1.19 NA's
3 1 3 2 519

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.3.so
23 NA's
9 519

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.3.vo
6.6 NA's
9 519

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.3.ye
2014 NA's
9 519

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.bios
Min. 1st Qu. Median Mean 3rd Qu. Max.
1.040e+08 1.210e+08 1.323e+08 3.754e+08 1.050e+09 1.076e+09

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.cent
7 13
119 409

```

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.conc
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.
0.1300 0.1500  0.1500  0.1568 0.1600  0.1800

```

```

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.day_
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.
6.00  12.00  19.00  18.65  25.00  30.00

```

```

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.is_d
no
528

```

```

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.mont
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.
1.000  4.000  7.000  7.551 11.000  12.000

```

```

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.plat
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.
1.000  2.000  3.000  3.881  5.000  12.000

```

```

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.quant
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.
1.950  2.800  3.000  2.895  3.200  4.540

```

```

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.sourc
22 23
328 200

```

```

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.volun
13 18.1  20 26.7
114  1 408  5

```

```

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.year
2010 2011 2012 2013 2014
39 233  86 159  11

```

```

patient.samples.sample.portions.portion.analytes.analyte.2.amount:
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.
3.2  50.2  83.2  137.4  209.2  661.2

```

```

patient.samples.sample.portions.portion.analytes.analyte.2.analyte_type:
rna
528

```

```

patient.samples.sample.portions.portion.analytes.analyte.2.analyte_type_id:
r
528

```

patient.samples.sample.portions.portion.analytes.analyte.2.concentration:
 Min. 1st Qu. Median Mean 3rd Qu. Max.
 0.1300 0.1500 0.1500 0.1568 0.1600 0.1800

patient.samples.sample.portions.portion.analytes.analyte.2.gel_image_file:
<https://sharedoc.nchri.org/tcga-bcr/default.aspx>
 528

patient.samples.sample.portions.portion.analytes.analyte.2.is_derived_from_ffpe:
 no
 528

patient.samples.sample.portions.portion.analytes.analyte.2.protocols.protocol.ex
 allprep rna extraction mirvana (allprep dna) rna
 11 517

patient.samples.sample.portions.portion.analytes.analyte.2.rna.ratio_28s_18s:
 Min. 1st Qu. Median Mean 3rd Qu. Max.
 0.000 1.470 1.630 1.605 1.790 2.610

patient.samples.sample.portions.portion.analytes.analyte.2.rna.rinvalue:
 Min. 1st Qu. Median Mean 3rd Qu. Max.
 7.000 7.900 8.600 8.529 9.100 9.900

patient.samples.sample.portions.portion.analytes.analyte.2.spectrophotometer_met
 uv spec
 528

patient.samples.sample.portions.portion.analytes.analyte.2.subportion_sequence:
 1 2 3 NA's
 402 38 2 86

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.2.bo
 tcga-cn-4735-01a-01w-a315-08 tcga-cr-6482-01a-11w-a315-08
 1 1
 tcga-cr-6487-01a-11w-a315-08 NA's
 1 525

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.2.bo
 218dec27-87c2-4c8a-b6c0-aa478ac75af6 da1d8c86-4361-474a-9741-89dcf3b00721
 1 1
 de339b1c-33cf-4903-970c-b315b27c5ec9 NA's
 1 525

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.2.bi
 153878551 153878558 153878560 NA's
 1 1 1 525

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.2.ce
 8 NA's
 3 525

```

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.2.co
0.5 NA's
3 525

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.2.da
15 NA's
3 525

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.2.is
no NA's
3 525

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.2.mo
7 NA's
3 525

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.2.pl
2 NA's
3 525

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.2.pl
a315 NA's
3 525

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.2.pl
c e f NA's
1 1 1 525

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.2.qu
5 NA's
3 525

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.2.so
23 NA's
3 525

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.2.vo
10 NA's
3 525

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.2.ye
2013 NA's
3 525

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.bios
Min. 1st Qu. Median Mean 3rd Qu. Max.
1.040e+08 1.322e+08 1.608e+08 4.771e+08 1.054e+09 1.062e+09

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.cent
8 13

```

523 5

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.conc
0.1 0.5

5 523

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.day_

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.
2.00	8.00	15.00	15.56	24.00	30.00

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.is_d
no

528

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.mont

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.
1.000	3.000	7.000	6.051	8.000	12.000

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.plat

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.
1.000	2.000	4.000	4.398	6.000	12.000

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.quant

3 40

5 523

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.sour

22 23

312 216

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.vol

30 80

5 523

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.year

2010 2011 2012 2013 2014

5 236 71 146 70

patient.samples.sample.portions.portion.analytes.analyte.3.amount:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
18.5	165.0	175.0	174.8	187.0	242.0	216

patient.samples.sample.portions.portion.analytes.analyte.3.analyte_type:

repli-g (qiagen) dna total rna

523

5

patient.samples.sample.portions.portion.analytes.analyte.3.analyte_type_id:

t w

5 523

patient.samples.sample.portions.portion.analytes.analyte.3.concentration:
 0.1 0.5 NA's
 5 307 216

patient.samples.sample.portions.portion.analytes.analyte.3.dna.normal_tumor_gene:
 yes NA's
 523 5

patient.samples.sample.portions.portion.analytes.analyte.3.dna.pcr_amplification:
 no yes NA's
 307 216 5

patient.samples.sample.portions.portion.analytes.analyte.3.gel_image_file:
<https://sharedoc.nchri.org/tcga-bcr/default.aspx>
 528

patient.samples.sample.portions.portion.analytes.analyte.3.is_derived_from_ffpe:
 no
 528

patient.samples.sample.portions.portion.analytes.analyte.3.protocols.protocol.expression:
 repli-g repli-g x total rna
 507 16 5

patient.samples.sample.portions.portion.analytes.analyte.3.rna.ratio_28s_18s:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 0.520 0.630 0.980 0.848 1.050 1.060 523

patient.samples.sample.portions.portion.analytes.analyte.3.rna.rinvalue:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 6.90 7.00 7.20 7.26 7.50 7.70 523

patient.samples.sample.portions.portion.analytes.analyte.3.spectrophotometer_measurement:
 picogreen uv spec NA's
 215 97 216

patient.samples.sample.portions.portion.analytes.analyte.3.subportion_sequence:
 1 2 3 NA's
 402 38 2 86

patient.samples.sample.portions.portion.analytes.analyte.4.aliquots.aliquot.biospecimen:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 1.05e+09 1.05e+09 1.05e+09 1.05e+09 1.05e+09 1.05e+09 523

patient.samples.sample.portions.portion.analytes.analyte.4.aliquots.aliquot.centers:
 8 NA's
 5 523

```

patient.samples.sample.portions.portion.analytes.analyte.4.aliquots.aliquot.conc
0.5 NA's
5 523

patient.samples.sample.portions.portion.analytes.analyte.4.aliquots.aliquot.day_
3 NA's
5 523

patient.samples.sample.portions.portion.analytes.analyte.4.aliquots.aliquot.is_d
no NA's
5 523

patient.samples.sample.portions.portion.analytes.analyte.4.aliquots.aliquot.mont
1 NA's
5 523

patient.samples.sample.portions.portion.analytes.analyte.4.aliquots.aliquot.plat
11 NA's
5 523

patient.samples.sample.portions.portion.analytes.analyte.4.aliquots.aliquot.plat
1487 NA's
5 523

patient.samples.sample.portions.portion.analytes.analyte.4.aliquots.aliquot.quant
40 NA's
5 523

patient.samples.sample.portions.portion.analytes.analyte.4.aliquots.aliquot.sour
22 NA's
5 523

patient.samples.sample.portions.portion.analytes.analyte.4.aliquots.aliquot.volun
80 NA's
5 523

patient.samples.sample.portions.portion.analytes.analyte.4.aliquots.aliquot.year
2011 NA's
5 523

patient.samples.sample.portions.portion.analytes.analyte.4.amount:
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.   NA's
134.0  158.0   163.0   161.6  176.0   177.0   523

patient.samples.sample.portions.portion.analytes.analyte.4.analyte_type:
repli-g (qiagen) dna                NA's
                    5                523

patient.samples.sample.portions.portion.analytes.analyte.4.analyte_type_id:
w NA's
5 523

```

patient.samples.sample.portions.portion.analytes.analyte.4.concentration:
 0.5 NA's
 5 523

patient.samples.sample.portions.portion.analytes.analyte.4.dna.normal_tumor_genom
 yes NA's
 5 523

patient.samples.sample.portions.portion.analytes.analyte.4.dna.pcr_amplification
 no NA's
 5 523

patient.samples.sample.portions.portion.analytes.analyte.4.gel_image_file:
<https://sharedoc.nchri.org/tcga-bcr/default.aspx>
 5
 NA's
 523

patient.samples.sample.portions.portion.analytes.analyte.4.is_derived_from_ffpe:
 no NA's
 5 523

patient.samples.sample.portions.portion.analytes.analyte.4.protocols.protocol.ex
 repli-g NA's
 5 523

patient.samples.sample.portions.portion.analytes.analyte.4.spectrophotometer_met
 uv spec NA's
 5 523

patient.samples.sample.portions.portion.analytes.analyte.a260_a280_ratio:
 1.8 1.9 2 NA's
 1 164 4 359

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.2.bios
 Min. 1st Qu. Median Mean 3rd Qu. Max.
 1.040e+08 1.150e+08 1.323e+08 3.767e+08 1.050e+09 1.076e+09

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.2.cent
 1 2 5 8
 131 40 15 342

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.2.conc
 Min. 1st Qu. Median Mean 3rd Qu. Max.
 0.05000 0.05000 0.08000 0.09415 0.14000 0.17000

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.2.day_

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.
6.00	12.00	19.00	18.65	25.00	30.00

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.2.is_d
no
528

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.
1.000	4.000	7.000	7.551	11.000	12.000

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.
1.000	2.000	4.000	4.114	5.000	12.000

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.
0.870	1.300	3.000	2.392	3.000	3.600

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.2.sour
22 23
328 200

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.
6.67	10.00	40.00	34.68	60.00	60.00

2010	2011	2012	2013	2014
39	233	86	159	11

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.
1.040e+08	1.150e+08	1.323e+08	3.485e+08	1.678e+08	1.062e+09

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.3.cent
5 8
401 127

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.
0.0500	0.1300	0.1500	0.1284	0.1600	0.1700

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.
6.00	12.00	19.00	17.96	25.00	30.00

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.3.is_d

no
528

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.3.mont
 Min. 1st Qu. Median Mean 3rd Qu. Max.
 1.000 5.000 7.000 7.589 11.000 12.000

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.3.plat
 Min. 1st Qu. Median Mean 3rd Qu. Max.
 1.000 2.000 4.000 4.246 6.000 12.000

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.3.quant
 Min. 1st Qu. Median Mean 3rd Qu. Max.
 1.730 1.950 2.080 2.471 3.000 4.540

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.3.sour
 22 23
 328 200

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.3.volun
 13 13.3 26.7 40 60
 184 158 59 16 111

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.3.year
 2010 2011 2012 2013 2014
 39 233 86 159 11

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.4.bios
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 1.040e+08 1.087e+08 1.136e+08 5.301e+08 1.054e+09 1.076e+09 300

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.4.cent
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 1.000 5.000 6.500 9.912 8.000 26.000 300

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.4.conc
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 0.0500 0.0500 0.1400 0.1179 0.1500 0.1700 300

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.4.day_
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 2.00 13.00 20.00 19.14 27.00 30.00 300

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.4.is_d
 no NA's
 228 300

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.4.mont

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1.000	4.000	7.000	6.447	7.000	11.000	300

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.4.plat

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1.000	2.000	3.000	2.943	4.000	10.000	300

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.4.quant

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0.870	2.000	2.000	2.466	3.000	4.540	300

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.4.sour

22	23	NA's				
224	4	300				

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.4.vol

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
6.67	13.30	20.00	24.65	40.00	60.00	300

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.4.year

2010	2011	2012	2013	NA's		
39	133	52	4	300		

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.5.bios

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1.283e+08	1.283e+08	1.395e+08	2.310e+08	1.508e+08	1.076e+09	488

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.5.cent

8	10	26	NA's			
13	26	1	488			

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.5.conc

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0.0500	0.0500	0.0800	0.0878	0.1400	0.1600	488

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.5.day_

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
2.00	2.00	2.00	9.45	16.00	30.00	488

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.5.is_d

no	NA's					
40	488					

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.5.mont

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
4.000	5.000	5.500	7.225	10.000	11.000	488

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.5.plat

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1.000	1.000	1.000	2.275	3.000	10.000	488

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.5.quant

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1.400	1.600	3.000	2.732	3.450	4.500	488

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.5.sour

22	23	NA's
24	16	488

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.5.vol

20	30	60	NA's
17	11	12	488

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.5.year

2011	2012	2013	NA's
2	22	16	488

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.6.bios

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
121031875	135894428	150757009	149573303	167811784	167811814	521

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.6.cent

5	9	10	NA's
2	2	3	521

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.6.conc

0.07	0.08	0.14	NA's
1	4	2	521

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.6.day_

2	21	30	NA's
2	3	2	521

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.6.is_d

no	NA's
7	521

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.6.mont

1	10	11	NA's
3	2	2	521

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.6.plat

1	2	3	5	NA's
2	1	2	2	521

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.6.plat

2064 a32x a469 a46a NA's
2 2 1 2 521

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.6.plat
a b c f NA's
1 1 3 2 521

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.6.quan
1.07 1.4 1.6 1.86 NA's
3 1 1 2 521

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.6.sour
22 23 NA's
2 5 521

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.6.vol
13.3 13.4 20 NA's
2 3 2 521

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.6.year
2011 2013 2015 NA's
2 2 3 521

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.7.bcr_
tcga-cv-6955-01a-11d-2317-26 tcga-cv-6956-01a-21d-2317-26
1 1
NA's
526

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.7.bcr_
080c55b2-1a8c-4a68-942f-eef7e126473c 118f9dcf-edc1-46fa-aa9d-c0a22b494c89
1 1
NA's
526

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.7.bios
1061615481 1061615502 NA's
1 1 526

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.7.cent
26 NA's
2 526

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.7.conc
0.14 NA's
2 526

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.7.day_
13 NA's
2 526

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.7.is_d

no NA's
2 526

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.7.mont
6 NA's
2 526

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.7.plat
2 NA's
2 526

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.7.plat
2317 NA's
2 526

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.7.plat
a b NA's
1 1 526

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.7.quant
2.8 NA's
2 526

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.7.sour
22 NA's
2 526

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.7.vol
20 NA's
2 526

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.7.year
2012 NA's
2 526

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.8.bcr_
tcga-cv-6956-01a-21d-a32x-10 NA's
1 527

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.8.bcr_
5046f1b4-9d95-4841-ba30-691fa44719a2 NA's
1 527

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.8.bios
150756997 NA's
1 527

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.8.cent
10 NA's
1 527

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.8.conc

0.07 NA's
1 527

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.8.day_2 NA's
1 527

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.8.is_d no NA's
1 527

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.8.mont 10 NA's
1 527

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.8.plat 3 NA's
1 527

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.8.plat a32x NA's
1 527

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.8.plat d NA's
1 527

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.8.quan 1.4 NA's
1 527

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.8.sour 23 NA's
1 527

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.8.vol 20 NA's
1 527

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.8.year 2013 NA's
1 527

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.biospe
Min. 1st Qu. Median Mean 3rd Qu. Max.
1.040e+08 1.210e+08 1.323e+08 3.761e+08 1.050e+09 1.076e+09

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.center
1 2 8
397 130 1

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.concen
 Min. 1st Qu. Median Mean 3rd Qu. Max.
 0.0700 0.1400 0.1500 0.1508 0.1600 0.1700

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.day_of
 Min. 1st Qu. Median Mean 3rd Qu. Max.
 6.00 12.00 19.00 18.65 25.00 30.00

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.is_den
 no
 528

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.month_
 Min. 1st Qu. Median Mean 3rd Qu. Max.
 1.000 4.000 7.000 7.551 11.000 12.000

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.plate_
 Min. 1st Qu. Median Mean 3rd Qu. Max.
 1.000 2.000 4.000 4.106 5.000 12.000

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.quantit
 Min. 1st Qu. Median Mean 3rd Qu. Max.
 0.870 1.000 1.070 1.224 1.140 2.800

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.source
 22 23
 328 200

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.volume
 6.67 6.7 10 13.3 40
 198 199 33 97 1

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.year_o
 2010 2011 2012 2013 2014
 39 233 86 159 11

patient.samples.sample.portions.portion.analytes.analyte.amount:
 Min. 1st Qu. Median Mean 3rd Qu. Max.
 2.03 31.04 72.70 139.07 226.20 747.33

patient.samples.sample.portions.portion.analytes.analyte.analyte_type:
 dna
 528

patient.samples.sample.portions.portion.analytes.analyte.analyte_type_id:
 d
 528


```
patient.samples.sample.portions.portion.analytes.analyte.concentration:
0.13 0.14 0.15 0.16 0.17
  16  124  224  120   44
```

```
patient.samples.sample.portions.portion.analytes.analyte.dna.normal_tumor_genoty
yes
528
```

```
patient.samples.sample.portions.portion.analytes.analyte.dna.pcr_amplification_s
no yes
329 199
```

```
patient.samples.sample.portions.portion.analytes.analyte.gel_image_file:
https://sharedoc.nchri.org/tcga-bcr/default.aspx
                                         528
```

```
patient.samples.sample.portions.portion.analytes.analyte.is_derived_from_ffpe:
no
528
```

```
patient.samples.sample.portions.portion.analytes.analyte.protocols.protocol.expe
adna preparation type
                                         528
```

```
patient.samples.sample.portions.portion.analytes.analyte.spectrophotometer_metho
picogreen   uv spec
           359         169
```

```
patient.samples.sample.portions.portion.analytes.analyte.subportion_sequence:
  1    2    3 NA's
402  38    2   86
```

```
patient.samples.sample.portions.portion.day_of_creation:
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.
  1.00  11.00   20.00   18.09  26.00   31.00
```

```
patient.samples.sample.portions.portion.is_ffpe:
no
528
```

```
patient.samples.sample.portions.portion.lce:
lce NA's
  3  525
```

```
patient.samples.sample.portions.portion.month_of_creation:
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.
  1.000   5.000   8.000   7.159   9.000  12.000
```

```
patient.samples.sample.portions.portion.portion_number:
```

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.
1.00	11.00	11.00	10.98	11.00	51.00

patient.samples.sample.portions.portion.portion_sequence:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1.000	1.000	1.000	1.249	1.000	5.000	335

patient.samples.sample.portions.portion.slides.slide.2.is_derived_from_ffpe:

no NA's
212 316

patient.samples.sample.portions.portion.slides.slide.2.percent_lymphocyte_infiltration:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0.00	2.00	10.00	11.25	15.50	50.00	460

patient.samples.sample.portions.portion.slides.slide.2.percent_monocyte_infiltration:

0	1	2	NA's
40	3	2	483

patient.samples.sample.portions.portion.slides.slide.2.percent_necrosis:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0.000	0.000	0.000	2.118	2.250	21.000	316

patient.samples.sample.portions.portion.slides.slide.2.percent_neutrophil_infiltration:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0.000	0.000	1.000	2.217	2.500	22.000	468

patient.samples.sample.portions.portion.slides.slide.2.percent_normal_cells:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0.000	0.000	0.000	1.473	0.000	50.000	321

patient.samples.sample.portions.portion.slides.slide.2.percent_stromal_cells:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0.00	6.00	15.00	17.08	25.00	75.00	322

patient.samples.sample.portions.portion.slides.slide.2.percent_tumor_cells:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
25.00	75.00	85.00	79.97	90.00	100.00	318

patient.samples.sample.portions.portion.slides.slide.2.percent_tumor_nuclei:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
40.00	70.00	75.00	75.45	80.00	98.00	316

patient.samples.sample.portions.portion.slides.slide.2.section_location:

bottom	top	NA's
11	201	316

patient.samples.sample.portions.portion.slides.slide.is_derived_from_ffpe:
no
528

patient.samples.sample.portions.portion.slides.slide.percent_lymphocyte_infiltra
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
0.00 3.00 8.00 11.62 15.00 100.00 216

patient.samples.sample.portions.portion.slides.slide.percent_monocyte_infiltrati
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
0.00 0.00 0.00 1.39 0.00 20.00 256

patient.samples.sample.portions.portion.slides.slide.percent_necrosis:
Min. 1st Qu. Median Mean 3rd Qu. Max.
0.000 0.000 0.000 2.157 2.000 30.000

patient.samples.sample.portions.portion.slides.slide.percent_neutrophil_infiltra
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
0.000 0.000 0.000 2.266 1.000 50.000 246

patient.samples.sample.portions.portion.slides.slide.percent_normal_cells:
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
0.000 0.000 0.000 2.752 0.000 70.000 12

patient.samples.sample.portions.portion.slides.slide.percent_stromal_cells:
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
0.00 5.00 15.00 17.99 25.00 75.00 10

patient.samples.sample.portions.portion.slides.slide.percent_tumor_cells:
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
0.00 70.00 80.00 77.32 90.00 100.00 2

patient.samples.sample.portions.portion.slides.slide.percent_tumor_nuclei:
Min. 1st Qu. Median Mean 3rd Qu. Max.
0.00 67.75 75.00 74.45 80.00 100.00

patient.samples.sample.portions.portion.slides.slide.section_location:
bottom top
201 327

patient.samples.sample.portions.portion.weight:
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
8.00 29.00 30.00 30.75 33.00 163.00 26

patient.samples.sample.portions.portion.year_of_creation:
2010 2011 2012 2013 2014
76 227 75 145 5

patient.samples.sample.portions.shipment_portion.center_id:
20 NA's

357 171

patient.samples.sample.portions.shipment_portion.is_ffpe:

no NA's

357 171

patient.samples.sample.portions.shipment_portion.portion_number:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
11.00	13.00	21.00	18.01	21.00	61.00	171

patient.samples.sample.portions.shipment_portion.portion_sequence:

1	2	3	6 NA's
22	109	1	1 395

patient.samples.sample.portions.shipment_portion.shipment_portion_day_of_shipment:

7	30 NA's
212	145 171

patient.samples.sample.portions.shipment_portion.shipment_portion_month_of_shipment:

7	12 NA's
145	212 171

patient.samples.sample.portions.shipment_portion.shipment_portion_year_of_shipment:

2011	2014 NA's
212	145 171

patient.samples.sample.sample_type:

primary tumor
528

patient.samples.sample.sample_type_id:

1
528

patient.samples.sample.shortest_dimension:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0.0000	0.2000	0.3000	0.3351	0.5000	0.9000	223

patient.samples.sample.vial_number:

a	b
523	5

KICH

Kidney Chromophobe

Description

A document describing the TCGA cancer code

Details

```

> experiments( KICH )
ExperimentList class object of length 9:
 [1] CNASNP-20160128: RaggedExperiment with 57729 rows and 132 columns
 [2] CNVSNP-20160128: RaggedExperiment with 10164 rows and 132 columns
 [3] GISTIC_AllByGene-20160128: SummarizedExperiment with 24776 rows and 66 columns
 [4] GISTIC_ThresholdedByGene-20160128: SummarizedExperiment with 24776 rows and 66 columns
 [5] Methylation-20160128: SummarizedExperiment with 485577 rows and 66 columns
 [6] miRNASeqGene-20160128: SummarizedExperiment with 1046 rows and 91 columns
 [7] Mutation-20160128: RaggedExperiment with 7559 rows and 66 columns
 [8] RNASeq2GeneNorm-20160128: SummarizedExperiment with 20501 rows and 91 columns
 [9] RPPAArray-20160128: SummarizedExperiment with 193 rows and 63 columns

> rownames( KICH )
CharacterList of length 9
[["CNASNP-20160128"]] character(0)
[["CNVSNP-20160128"]] character(0)
[["GISTIC_AllByGene-20160128"]] ACAP3 ACTRT2 ... WASIR1|ENSG00000185203.7
[["GISTIC_ThresholdedByGene-20160128"]] ACAP3 ... WASIR1|ENSG00000185203.7
[["Methylation-20160128"]] cg00000029 cg00000108 ... rs966367 rs9839873
[["miRNASeqGene-20160128"]] hsa-let-7a-1 hsa-let-7a-2 ... hsa-mir-99b
[["Mutation-20160128"]] character(0)
[["RNASeq2GeneNorm-20160128"]] A1BG A1CF A2BP1 A2LD1 ... ZZZ3 psiTPTE22 tAKR
[["RPPAArray-20160128"]] 14-3-3_beta 14-3-3_epsilon ... p90RSK_pT359_S363

> colnames( KICH )
CharacterList of length 9
[["CNASNP-20160128"]] TCGA-KL-8323-01A-21D-2308-01 ...
[["CNVSNP-20160128"]] TCGA-KL-8323-01A-21D-2308-01 ...
[["GISTIC_AllByGene-20160128"]] TCGA-KL-8323-01A-21D-2308-01 ...
[["GISTIC_ThresholdedByGene-20160128"]] TCGA-KL-8323-01A-21D-2308-01 ...
[["Methylation-20160128"]] TCGA-KL-8323-01A-21D-2312-05 ...
[["miRNASeqGene-20160128"]] TCGA-KL-8323-01A-21R-2314-13 ...
[["Mutation-20160128"]] TCGA-KL-8323-01A-21D-2310-10 ...
[["RNASeq2GeneNorm-20160128"]] TCGA-KL-8323-01A-21R-2315-07 ...
[["RPPAArray-20160128"]] TCGA-KL-8324-01A-21-A421-20 ...

Sizes of each ExperimentList element:

          assay size.Mb
1          CNASNP-20160128  1.6 Mb
2          CNVSNP-20160128  0.3 Mb
3      GISTIC_AllByGene-20160128  4.3 Mb
4 GISTIC_ThresholdedByGene-20160128  4.3 Mb
5          Methylation-20160128 67.4 Mb
6          miRNASeqGene-20160128  0.1 Mb
7          Mutation-20160128  2.5 Mb
8      RNASeq2GeneNorm-20160128  1.1 Mb
9          RPPAArray-20160128    0 Mb

-----
Overall survival time-to-event summary (in years):

```

```
-----
Call: survfit(formula = survival::Surv(colDat$days_to_death/365, colDat$vital_status - 1)
```

```
57 observations deleted due to missingness
  n events median 0.95LCL 0.95UCL
9.00  9.00  2.34  1.99      NA
```

```
-----
Available sample meta-data:
-----
```

```
years_to_birth:
```

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.
17.00	42.00	50.00	51.52	61.75	86.00

```
vital_status:
```

```
0 1
56 10
```

```
days_to_death:
```

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
325	725	855	1001	1158	2172	57

```
days_to_last_followup:
```

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
30	1366	2713	2320	3138	4676	10

```
tumor_tissue_site:
```

```
kidney
66
```

```
pathologic_stage:
```

stage i	stage ii	stage iii	stage iv
21	25	14	6

```
pathology_N_stage:
```

```
n0 n1 n2 nx
40 3 2 21
```

```
pathology_M_stage:
```

m0	m1	mx	NA's
34	2	9	21

```
gender:
```

```
female  male
27      39
```

date_of_initial_pathologic_diagnosis:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.
2000	2004	2005	2005	2007	2011

radiation_therapy:

no
66

karnofsky_performance_score:

90	100	NA's
3	10	53

histological_type:

kidney chromophobe
66

number_pack_years_smoked:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1.00	8.00	24.00	25.09	31.00	75.00	55

year_of_tobacco_smoking_onset:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1949	1964	1974	1974	1984	1997	58

race:

asian	black	or african american	white
2		4	58
NA's			
2			

ethnicity:

hispanic or latino	not hispanic or latino	NA's
4	32	30

admin.bcr:

nationwide children's hospital
66

admin.day_of_dcc_upload:

1
66

admin.disease_code:

kich
66

admin.month_of_dcc_upload:

10
66

admin.patient_withdrawal.withdrawn:

false
66

admin.project_code:
tcga
66

admin.year_of_dcc_upload:
2015
66

patient.age_at_initial_pathologic_diagnosis:
Min. 1st Qu. Median Mean 3rd Qu. Max.
17.00 42.00 50.00 51.52 61.75 86.00

patient.clinical_cqcf.anatomic_neoplasm_subdivision:
left right
30 36

patient.clinical_cqcf.consent_or_death_status:
consented
66

patient.clinical_cqcf.country:
united states
66

patient.clinical_cqcf.days_to_consent:
Min. 1st Qu. Median Mean 3rd Qu. Max.
-122.00 -15.00 -6.00 -12.05 -2.00 35.00

patient.clinical_cqcf.histological_type:
kidney chromophobe
66

patient.clinical_cqcf.history_of_neoadjuvant_treatment:
no
66

patient.clinical_cqcf.history_of_prior_malignancy:
no
59
yes, history of prior malignancy
5
yes, history of synchronous and or bilateral malignancy
2

patient.clinical_cqcf.normal_tissue_anatomic_site:
kidney kidney; cortex kidney; medulla kidney; mixed NA's
24 3 5 25 9

patient.clinical_cqcf.normal_tissue_proximity:
 distal (>2cm) NA's
 57 9

patient.clinical_cqcf.tumor_type:
 primary
 66

patient.day_of_form_completion:
 Min. 1st Qu. Median Mean 3rd Qu. Max.
 7.00 13.00 14.00 17.44 24.00 31.00

patient.days_to_birth:
 Min. 1st Qu. Median Mean 3rd Qu. Max.
 -31591 -22564 -18424 -18996 -15424 -6556

patient.days_to_death:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 325.0 670.5 804.5 854.2 979.5 1590.0 58

patient.days_to_initial_pathologic_diagnosis:
 0
 66

patient.days_to_last_followup:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 -2 994 1983 1891 2619 4335 9

patient.drugs.drug.2.day_of_form_completion:
 14 16 24 NA's
 1 1 3 61

patient.drugs.drug.2.days_to_drug_therapy_end:
 366 817 942 4436 NA's
 1 1 1 1 62

patient.drugs.drug.2.days_to_drug_therapy_start:
 196 558 911 2731 NA's
 1 1 1 1 62

patient.drugs.drug.2.drug_name:
 bevacizumab ptk-zk sorafenib temsirolimus NA's
 1 1 1 2 61

patient.drugs.drug.2.month_of_form_completion:
 1 6 7 NA's
 1 1 3 61

patient.drugs.drug.2.therapy_ongoing:
 no NA's

5 61

```
patient.drugs.drug.2.therapy_types.therapy_type:
      chemotherapy targeted molecular therapy
              2                3
      NA's
      61
```

```
patient.drugs.drug.2.tx_on_clinical_trial:
  no  yes NA's
  3   2  61
```

```
patient.drugs.drug.2.year_of_form_completion:
2012 2013 NA's
  4    1  61
```

```
patient.drugs.drug.3.bcr_drug_barcode:
tcga-kl-8336-d33941 tcga-kl-8341-d33923 tcga-km-8438-d32861 NA's
              1                1                1                63
```

```
patient.drugs.drug.3.bcr_drug_uid:
6442c5a4-a38c-487d-95a2-9bd3eb249787 74b0a250-2c27-49bb-9ed5-9e2994c6cf9a 1
ac4d913b-061e-41b9-a504-8e63c9a93d00 NA's
              1                63
```

```
patient.drugs.drug.3.day_of_form_completion:
  14  24 NA's
  1   2  63
```

```
patient.drugs.drug.3.days_to_drug_therapy_end:
  457  838 3858 NA's
  1    1   1  63
```

```
patient.drugs.drug.3.days_to_drug_therapy_start:
  397  824 3554 NA's
  1    1   1  63
```

```
patient.drugs.drug.3.drug_name:
bevacizumab  sunitinib  NA's
              2          1    63
```

```
patient.drugs.drug.3.month_of_form_completion:
  6    7 NA's
  1    2  63
```

```
patient.drugs.drug.3.therapy_ongoing:
  no NA's
  3   63
```

```
patient.drugs.drug.3.therapy_types.therapy_type:
      chemotherapy targeted molecular therapy
```

1
NA's
63

patient.drugs.drug.3.tx_on_clinical_trial:
no NA's
3 63

patient.drugs.drug.3.year_of_form_completion:
2012 NA's
3 63

patient.drugs.drug.4.bcr_drug_barcode:
tcga-k1-8341-d33924 NA's
1 65

patient.drugs.drug.4.bcr_drug_uuid:
e922ebc8-97a1-4b90-8d38-5cdd480be0d5 NA's
1 65

patient.drugs.drug.4.day_of_form_completion:
24 NA's
1 65

patient.drugs.drug.4.days_to_drug_therapy_end:
609 NA's
1 65

patient.drugs.drug.4.days_to_drug_therapy_start:
567 NA's
1 65

patient.drugs.drug.4.drug_name:
temsirolimus NA's
1 65

patient.drugs.drug.4.month_of_form_completion:
7 NA's
1 65

patient.drugs.drug.4.therapy_ongoing:
no NA's
1 65

patient.drugs.drug.4.therapy_types.therapy_type:
chemotherapy NA's
1 65

patient.drugs.drug.4.tx_on_clinical_trial:
no NA's
1 65

patient.drugs.drug.4.year_of_form_completion:

2012 NA's
1 65

patient.drugs.drug.5.bcr_drug_barcode:

tcga-kl-8341-d33925 NA's
1 65

patient.drugs.drug.5.bcr_drug_uuid:

6c137653-e683-420b-b63b-f2c57b064041 NA's
1 65

patient.drugs.drug.5.day_of_form_completion:

24 NA's
1 65

patient.drugs.drug.5.days_to_drug_therapy_start:

624 NA's
1 65

patient.drugs.drug.5.drug_name:

sorafenib NA's
1 65

patient.drugs.drug.5.month_of_form_completion:

7 NA's
1 65

patient.drugs.drug.5.therapy_ongoing:

no NA's
1 65

patient.drugs.drug.5.therapy_types.therapy_type:

targeted molecular therapy NA's
1 65

patient.drugs.drug.5.tx_on_clinical_trial:

no NA's
1 65

patient.drugs.drug.5.year_of_form_completion:

2012 NA's
1 65

patient.drugs.drug.day_of_form_completion:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
7.00	9.75	15.50	16.12	24.00	24.00	58

patient.drugs.drug.days_to_drug_therapy_end:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
------	---------	--------	------	---------	------	------

139.0	279.8	462.5	780.7	618.2	2731.0	60
patient.drugs.drug.days_to_drug_therapy_start:						
Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
111.0	127.5	196.0	613.4	695.0	2342.0	59
patient.drugs.drug.measure_of_response:						
clinical progressive disease						NA's
2						64
patient.drugs.drug.month_of_form_completion:						
5	6	7	8	NA's		
1	2	3	2	58		
patient.drugs.drug.therapy_ongoing:						
no NA's						
8	58					
patient.drugs.drug.therapy_types.therapy_type:						
chemotherapy			immunotherapy			
1			1			
targeted molecular therapy						NA's
6						58
patient.drugs.drug.tx_on_clinical_trial:						
no yes NA's						
6	2	58				
patient.drugs.drug.year_of_form_completion:						
2012	2013	NA's				
7	1	58				
patient.eastern_cancer_oncology_group:						
0	1	2	NA's			
7	7	1	51			
patient.ethnicity:						
hispanic or latino not hispanic or latino						NA's
4						32
						30
patient.follow_ups.follow_up.2.day_of_form_completion:						
Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
5.00	7.00	24.00	17.23	24.00	25.00	53
patient.follow_ups.follow_up.2.days_to_death:						
754	855	920	1158	NA's		
1	1	1	1	62		
patient.follow_ups.follow_up.2.days_to_last_followup:						

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
400.0	891.8	1224.0	1763.6	2076.2	4335.0	58

patient.follow_ups.follow_up.2.eastern_cancer_oncology_group:

0	1	NA's
3	2	61

patient.follow_ups.follow_up.2.followup_case_report_form_submission_reason:

additional	new tumor event	scheduled	follow-up	submission	8
				4	
				NA's	
				54	

patient.follow_ups.follow_up.2.followup_treatment_success:

complete remission/response	partial remission/response	
		1
		5
		NA's
		60

patient.follow_ups.follow_up.2.karnofsky_performance_score:

80	90	100	NA's
1	1	3	61

patient.follow_ups.follow_up.2.lost_follow_up:

no	yes	NA's
8	2	56

patient.follow_ups.follow_up.2.month_of_form_completion:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1.000	1.000	7.000	6.385	10.000	12.000	53

patient.follow_ups.follow_up.2.new_tumor_events.new_tumor_event.additional_pharm

no	yes	NA's
1	4	61

patient.follow_ups.follow_up.2.new_tumor_events.new_tumor_event.additional_radia

no	NA's
5	61

patient.follow_ups.follow_up.2.new_tumor_events.new_tumor_event.additional_surge

no	NA's
2	64

patient.follow_ups.follow_up.2.new_tumor_events.new_tumor_event.additional_surge

no	yes	NA's
3	1	62

patient.follow_ups.follow_up.2.new_tumor_events.new_tumor_event.days_to_addition

118	NA's
1	65

patient.follow_ups.follow_up.2.new_tumor_events.new_tumor_event.days_to_new_tumo

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
103	159	464	1194	911	4335	61

patient.follow_ups.follow_up.2.new_tumor_events.new_tumor_event_after_initial_tr

no	yes	NA's
6	5	55

patient.follow_ups.follow_up.2.person_neoplasm_cancer_status:

tumor free	with tumor	NA's
5	6	55

patient.follow_ups.follow_up.2.primary_therapy_outcome_success:

complete remission/response	partial remission/response	NA's
5	2	59

patient.follow_ups.follow_up.2.radiation_therapy:

no	NA's
10	56

patient.follow_ups.follow_up.2.targeted_molecular_therapy:

no	yes	NA's
6	4	56

patient.follow_ups.follow_up.2.vital_status:

alive	dead	NA's
8	4	54

patient.follow_ups.follow_up.2.year_of_form_completion:

2012	2013	NA's
6	7	53

patient.follow_ups.follow_up.3.day_of_form_completion:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
5.00	6.50	20.50	17.75	25.50	30.00	58

patient.follow_ups.follow_up.3.days_to_death:

754	855	920	NA's
1	1	1	63

patient.follow_ups.follow_up.3.days_to_last_followup:

876	1437	3745	4622	NA's
1	1	1	1	62

patient.follow_ups.follow_up.3.eastern_cancer_oncology_group:

0	1	NA's
1	1	64

patient.follow_ups.follow_up.3.followup_case_report_form_submission_reason:

```

additional new tumor event scheduled follow-up submission
      3
      NA's
      59

patient.follow_ups.follow_up.3.followup_treatment_success:
complete remission/response    partial remission/response
      1                          1
      stable disease              NA's
      1                          63

patient.follow_ups.follow_up.3.karnofsky_performance_score:
90 NA's
2 64

patient.follow_ups.follow_up.3.lost_follow_up:
no  yes NA's
3  3  60

patient.follow_ups.follow_up.3.month_of_form_completion:
Min. 1st Qu.  Median    Mean 3rd Qu.  Max.  NA's
1.000  4.750  7.000  6.875  9.750 12.000  58

patient.follow_ups.follow_up.3.new_tumor_events.new_tumor_event.additional_pharm
no  yes NA's
3  2  61

patient.follow_ups.follow_up.3.new_tumor_events.new_tumor_event.additional_radia
no NA's
5  61

patient.follow_ups.follow_up.3.new_tumor_events.new_tumor_event.additional_surge
no NA's
3  63

patient.follow_ups.follow_up.3.new_tumor_events.new_tumor_event.additional_surge
no NA's
4  62

patient.follow_ups.follow_up.3.new_tumor_events.new_tumor_event.days_to_new_tumo
Min. 1st Qu.  Median    Mean 3rd Qu.  Max.  NA's
363  565  616  1408  876  4622  61

patient.follow_ups.follow_up.3.new_tumor_events.new_tumor_event_after_initial_tr
no  yes NA's
2  5  59

patient.follow_ups.follow_up.3.person_neoplasm_cancer_status:
tumor free with tumor    NA's
      1          5          60

patient.follow_ups.follow_up.3.primary_therapy_outcome_success:

```


complete remission/response	partial remission/response
2	1
NA's	
63	

patient.follow_ups.follow_up.3.radiation_therapy:
no NA's
6 60

patient.follow_ups.follow_up.3.targeted_molecular_therapy:
no yes NA's
4 2 60

patient.follow_ups.follow_up.3.vital_status:
alive dead NA's
4 3 59

patient.follow_ups.follow_up.3.year_of_form_completion:
2012 2013 2014 NA's
3 4 1 58

patient.follow_ups.follow_up.4.bcr_followup_barcode:
tcga-kl-8336-f33937 NA's
1 65

patient.follow_ups.follow_up.4.bcr_followup_uuid:
e29fd202-5683-4857-a0b6-2a4f43931f96 NA's
1 65

patient.follow_ups.follow_up.4.day_of_form_completion:
24 NA's
1 65

patient.follow_ups.follow_up.4.days_to_death:
920 NA's
1 65

patient.follow_ups.follow_up.4.followup_case_report_form_submission_reason:
additional new tumor event NA's
1 65

patient.follow_ups.follow_up.4.month_of_form_completion:
7 NA's
1 65

patient.follow_ups.follow_up.4.new_tumor_events.new_tumor_event.additional_pharm
yes NA's
1 65

patient.follow_ups.follow_up.4.new_tumor_events.new_tumor_event.additional_radia
no NA's
1 65

```

patient.follow_ups.follow_up.4.new_tumor_events.new_tumor_event.additional_surge
no NA's
1 65

patient.follow_ups.follow_up.4.new_tumor_events.new_tumor_event.days_to_new_tumo
817 NA's
1 65

patient.follow_ups.follow_up.4.new_tumor_events.new_tumor_event_after_initial_tr
yes NA's
1 65

patient.follow_ups.follow_up.4.person_neoplasm_cancer_status:
with tumor NA's
1 65

patient.follow_ups.follow_up.4.radiation_therapy:
no NA's
1 65

patient.follow_ups.follow_up.4.targeted_molecular_therapy:
yes NA's
1 65

patient.follow_ups.follow_up.4.vital_status:
dead NA's
1 65

patient.follow_ups.follow_up.4.year_of_form_completion:
2012 NA's
1 65

patient.follow_ups.follow_up.day_of_form_completion:
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
1.00 18.25 24.00 22.23 31.00 31.00 4

patient.follow_ups.follow_up.days_to_death:
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
725.0 779.2 887.5 1097.3 1098.5 2172.0 60

patient.follow_ups.follow_up.days_to_last_followup:
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
30 1061 2633 2198 3098 4676 11

patient.follow_ups.follow_up.eastern_cancer_oncology_group:
0 1 NA's
8 3 55

patient.follow_ups.follow_up.followup_case_report_form_submission_reason:

```

additional new tumor event scheduled follow-up submission	5	57
NA's	4	
patient.follow_ups.follow_up.followup_treatment_success:		
complete remission/response	17	49
NA's		
patient.follow_ups.follow_up.karnofsky_performance_score:		
90 100 NA's		
3 8 55		
patient.follow_ups.follow_up.lost_follow_up:		
no yes NA's		
31 14 21		
patient.follow_ups.follow_up.month_of_form_completion:		
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's		
3.000 6.000 7.000 6.371 7.000 10.000 4		
patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.additional_pharmac		
no yes NA's		
2 5 59		
patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.additional_radiati		
no NA's		
7 59		
patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.additional_surgery		
no NA's		
2 64		
patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.additional_surgery		
no yes NA's		
3 2 61		
patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.days_to_additional		
82 2023 NA's		
1 1 64		
patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.days_to_new_tumor		
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's		
47.00 91.75 466.50 897.33 1706.75 2317.00 60		
patient.follow_ups.follow_up.new_tumor_events.new_tumor_event_after_initial_trea		
no yes NA's		
44 6 16		
patient.follow_ups.follow_up.performance_status_scale_timing:		
at recurrence/progression of disease	1	65
NA's		

```

patient.follow_ups.follow_up.person_neoplasm_cancer_status:
tumor free with tumor      NA's
      42          8          16

```

```

patient.follow_ups.follow_up.primary_therapy_outcome_success:
complete remission/response  partial remission/response
                          17                          2
                          NA's
                          47

```

```

patient.follow_ups.follow_up.radiation_therapy:
no NA's
49  17

```

```

patient.follow_ups.follow_up.targeted_molecular_therapy:
no  yes NA's
45  4  17

```

```

patient.follow_ups.follow_up.vital_status:
alive  dead  NA's
  55    6    5

```

```

patient.follow_ups.follow_up.year_of_form_completion:
2012 2014 2015 NA's
  33  17  12  4

```

```

patient.gender:
female  male
  27    39

```

```

patient.hemoglobin_result:
low normal  NA's
  29    23    14

```

```

patient.histological_type:
kidney chromophobe
                      66

```

```

patient.history_of_neoadjuvant_treatment:
no
66

```

```

patient.icd_10:
c64.9
  66

```

```

patient.icd_o_3_histology:
8317/3
  66

```

```

patient.icd_o_3_site:

```

c64.9
66

patient.informed_consent_verified:
yes
66

patient.karnofsky_performance_score:
70 80 90 100 NA's
1 2 5 3 55

patient.lactate_dehydrogenase_result:
low normal NA's
1 5 60

patient.laterality:
left right
30 36

patient.lymph_node_examined_count:
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
1.0 2.0 6.0 7.8 9.5 33.0 31

patient.month_of_form_completion:
Min. 1st Qu. Median Mean 3rd Qu. Max.
1.000 6.000 7.000 6.318 8.000 10.000

patient.new_tumor_events.new_tumor_event.additional_pharmaceutical_therapy:
no yes NA's
2 7 57

patient.new_tumor_events.new_tumor_event.additional_radiation_therapy:
no NA's
9 57

patient.new_tumor_events.new_tumor_event.additional_surgery_locoregional_procedure:
no yes NA's
6 1 59

patient.new_tumor_events.new_tumor_event.additional_surgery_metastatic_procedure:
no yes NA's
5 2 59

patient.new_tumor_events.new_tumor_event.days_to_additional_surgery_locoregional_procedure:
452 NA's
1 65

patient.new_tumor_events.new_tumor_event.days_to_additional_surgery_metastatic_procedure:
82 2020 NA's
1 1 64

patient.new_tumor_events.new_tumor_event.days_to_new_tumor_event_after_initial_treatment:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
46.0	64.0	175.0	669.1	758.0	2317.0	57

patient.new_tumor_events.new_tumor_event_after_initial_treatment:

no	yes	NA's
55	9	2

patient.number_of_lymphnodes_positive:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0.0000	0.0000	0.0000	0.3143	0.0000	4.0000	31

patient.number_pack_years_smoked:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1.00	8.00	24.00	25.09	31.00	75.00	55

patient.percent_tumor_sarcomatoid:

90 NA's
1 65

patient.performance_status_scale_timing:

other	NA's
15	51

patient.person_neoplasm_cancer_status:

tumor free	with tumor	NA's
52	13	1

patient.platelet_qualitative_result:

elevated	low	normal	NA's
3	3	46	14

patient.presence_of_sarcomatoid_features:

no	yes	NA's
22	3	41

patient.primary_lymph_node_presentation_assessment:

no	yes
31	35

patient.primary_therapy_outcome_success:

complete remission/response	partial remission/response
29	1
progressive disease	stable disease
2	1
NA's	33

patient.prior_dx:

no
59
yes, history of prior malignancy

yes, history of synchronous and or bilateral malignancy 5
2

patient.race:

asian black or african american
2 4
NA's
2

white
58

patient.radiation_therapy:

no
66

patient.serum_calcium_result:

elevated low normal NA's
1 36 10 19

patient.stage_event.pathologic_stage:

stage i stage ii stage iii stage iv
21 25 14 6

patient.stage_event.system_version:

5th 6th 7th
8 41 17

patient.stage_event.tnm_categories.clinical_categories.clinical_m:

m0 mx NA's
28 13 25

patient.stage_event.tnm_categories.pathologic_categories.pathologic_m:

m0 m1 mx NA's
34 2 9 21

patient.stage_event.tnm_categories.pathologic_categories.pathologic_n:

n0 n1 n2 nx
40 3 2 21

patient.stopped_smoking_year:

Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
1955 1982 2000 1990 2004 2006 59

patient.targeted_molecular_therapy:

no yes
60 6

patient.tissue_prospective_collection_indicator:

no
66

patient.tissue_retrospective_collection_indicator:

yes
66

patient.tissue_source_site:
kl km kn ko
24 9 19 14

patient.tumor_tissue_site:
kidney
66

patient.vital_status:
alive dead
57 9

patient.white_cell_count_result:
elevated normal NA's
30 22 14

patient.year_of_form_completion:
2012 2013
52 14

patient.year_of_initial_pathologic_diagnosis:
Min. 1st Qu. Median Mean 3rd Qu. Max.
2000 2004 2005 2005 2007 2011

patient.year_of_tobacco_smoking_onset:
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
1949 1964 1974 1974 1984 1997 58

patient.bcr_canonical_check.bcr_patient_canonical_reasons.bcr_canonical_reason:
case matched expression control case matched methylation control
25 32
NA's
9

patient.bcr_canonical_check.bcr_patient_canonical_reasons.bcr_canonical_reason.2
case matched methylation control NA's
25 41

patient.bcr_canonical_check.bcr_patient_canonical_status:
canonical canonical - plus
9 57

patient.biospecimen_cqcf.consent_or_death_status:
consented
66

patient.biospecimen_cqcf.country:
united states

66

patient.biospecimen_cqcf.days_to_pathology_review:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.
128	1908	2357	2353	2795	4441

patient.biospecimen_cqcf.days_to_sample_procurement:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.
-16.000	-2.750	0.000	-1.015	0.000	37.000

patient.biospecimen_cqcf.digital_image_submitted:

no
66

patient.biospecimen_cqcf.frozen_specimen_anatomic_site:

kidney
66

patient.biospecimen_cqcf.histological_type:

kidney chromophobe
66

patient.biospecimen_cqcf.history_of_neoadjuvant_treatment:

no
66

patient.biospecimen_cqcf.laterality:

left right
30 36

patient.biospecimen_cqcf.maximum_tumor_dimension:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.
2.100	5.275	9.600	9.550	12.500	20.600

patient.biospecimen_cqcf.method_of_sample_procurement:

hand-assisted laparoscopic radical nephrectomy	2
laparoscopic radical nephrectomy	19
open partial nephrectomy	4
open radical nephrectomy	41

patient.biospecimen_cqcf.normal_controls.normal_control.2.bcr_sample_uuid:

ab7d2d26-60ac-42be-aa84-a06194dbd9f7	NA's
1	65

patient.biospecimen_cqcf.normal_controls.normal_control.2.normal_tissue.normal_t

kidney; medulla	NA's
1	65

patient.biospecimen_cqcf.normal_controls.normal_control.2.normal_tissue.normal_t
 distal (>2cm) NA's
 1 65

patient.biospecimen_cqcf.normal_controls.normal_control.2.vial_number:
 2 NA's
 1 65

patient.biospecimen_cqcf.normal_controls.normal_control.days_to_normal_sample_pr
 Min. 1st Qu. Median Mean 3rd Qu. Max.
 -365.0 -3.0 0.0 202.7 0.0 3591.0

patient.biospecimen_cqcf.normal_controls.normal_control.extracted_dna.ncedna_dna
 0.1349 0.1948 NA's
 1 1 64

patient.biospecimen_cqcf.normal_controls.normal_control.extracted_dna.ncedna_dna
 nanodrop NA's
 2 64

patient.biospecimen_cqcf.normal_controls.normal_control.extracted_dna.ncedna_dna
 27.3 30.68 NA's
 1 1 64

patient.biospecimen_cqcf.normal_controls.normal_control.extracted_dna.ncedna_dna
 140 220 NA's
 1 1 64

patient.biospecimen_cqcf.normal_controls.normal_control.method_of_normal_sample_
 blood draw
 9
 hand-assisted laparoscopic radical nephrectomy
 2
 laparoscopic radical nephrectomy
 15
 open partial nephrectomy
 1
 open radical nephrectomy
 39

patient.biospecimen_cqcf.normal_controls.normal_control.normal_tissue.normal_tis
 kidney kidney; cortex kidney; medulla kidney; mixed NA's
 24 3 5 25 9

patient.biospecimen_cqcf.normal_controls.normal_control.normal_tissue.normal_tis
 distal (>2cm) NA's
 57 9

patient.biospecimen_cqcf.normal_controls.normal_control.vial_number:
 1
 66

```

patient.biospecimen_cqcf.path_confirm_diagnosis_matching:
yes
  66

patient.biospecimen_cqcf.path_confirm_report_attached:
yes
  66

patient.biospecimen_cqcf.path_confirm_tumor_necrosis_metrics:
yes
  66

patient.biospecimen_cqcf.path_confirm_tumor_nuclei_metrics:
yes
  66

patient.biospecimen_cqcf.sample_prescreened:
yes
  66

patient.biospecimen_cqcf.site_of_disease:
kidney
  66

patient.biospecimen_cqcf.submitted_for_lce:
no
  66

patient.biospecimen_cqcf.top_slide_submitted:
yes
  66

patient.biospecimen_cqcf.tumor_samples.tumor_sample.tumor_necrosis_percent:
  0  1  5 10 15
55  2  4  4  1

patient.biospecimen_cqcf.tumor_samples.tumor_sample.tumor_nuclei_percent:
  Min. 1st Qu.  Median    Mean 3rd Qu.  Max.
70.00  90.00  95.00  91.55  95.00 100.00

patient.biospecimen_cqcf.tumor_samples.tumor_sample.tumor_weight:
  Min. 1st Qu.  Median    Mean 3rd Qu.  Max.
70.0   248.0  343.0   369.1  500.0 1072.0

patient.biospecimen_cqcf.tumor_samples.tumor_sample.vial_number:
  1
66

patient.biospecimen_cqcf.vessel_used:
cassette cryomold cryovial

```

19 33 14

patient.days_to_index:

0
66

patient.samples.sample.2.intermediate_dimension:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0.4000	0.7000	1.0000	0.9263	1.1000	1.7000	9

patient.samples.sample.2.is_ffpe:

no
66

patient.samples.sample.2.longest_dimension:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0.600	1.200	1.500	1.754	2.200	3.800	9

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.2.

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1.21e+08	1.21e+08	1.21e+08	1.21e+08	1.21e+08	1.21e+08	41

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.2.

7 NA's
25 41

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.2.

0.14 0.15 0.16 0.17 NA's
3 15 5 2 41

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.2.

11 NA's
25 41

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.2.

no NA's
25 41

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.2.

6 NA's
25 41

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.2.

9 10 11 12 NA's
7 8 8 2 41

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.2.

2315 NA's

25 41

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.2
 1.86 2 2.13 2.26 NA's
 3 15 5 2 41

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.2.
 22 NA's
 25 41

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.2.
 13.3 NA's
 25 41

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.2.
 2012 NA's
 25 41

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.bi
 Min. 1st Qu. Median Mean 3rd Qu. Max.
 1.210e+08 1.210e+08 1.062e+09 6.939e+08 1.062e+09 1.076e+09

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.ce
 10 13
 41 25

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.co
 0.14 0.15 0.16 0.17 0.5
 3 15 5 2 41

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.da
 8 9 11
 1 40 25

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.is
 no
 66

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.mo
 5 6 7
 1 25 40

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.pl
 Min. 1st Qu. Median Mean 3rd Qu. Max.
 1.000 6.000 9.000 7.924 11.000 12.000

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.pl
 2314 2331 2332 a29f
 25 12 28 1

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.qu
 2.8 3 3.2 3.4 40
 3 15 5 2 41

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.so
 22 23
 65 1

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.vo
 20 80
 25 41

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.ye
 2012 2013
 65 1

patient.samples.sample.2.portions.portion.analytes.analyte.2.amount:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 13.2 132.2 185.0 164.7 198.0 219.2 1

patient.samples.sample.2.portions.portion.analytes.analyte.2.analyte_type:
 repli-g (qiagen) dna rna
 41 25

patient.samples.sample.2.portions.portion.analytes.analyte.2.analyte_type_id:
 r w
 25 41

patient.samples.sample.2.portions.portion.analytes.analyte.2.concentration:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 0.1400 0.1500 0.5000 0.3663 0.5000 0.5000 1

patient.samples.sample.2.portions.portion.analytes.analyte.2.dna.normal_tumor_ge
 yes NA's
 41 25

patient.samples.sample.2.portions.portion.analytes.analyte.2.dna.pcr_amplificati
 no yes NA's
 40 1 25

patient.samples.sample.2.portions.portion.analytes.analyte.2.gel_image_file:
<https://sharedoc.nchri.org/tcga-bcr/default.aspx>
 66

patient.samples.sample.2.portions.portion.analytes.analyte.2.is_derived_from_ffp
 no
 66

patient.samples.sample.2.portions.portion.analytes.analyte.2.protocols.protocol.
 mirvana (allprep dna) rna repli-g repli-g x
 25 40 1

patient.samples.sample.2.portions.portion.analytes.analyte.2.rna.ratio_28s_18s:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 1.130 1.300 1.440 1.464 1.580 1.820 41

patient.samples.sample.2.portions.portion.analytes.analyte.2.rna.rinvalue:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 7.100 7.700 8.300 8.192 8.800 9.300 41

patient.samples.sample.2.portions.portion.analytes.analyte.2.spectrophotometer_m
 picogreen uv spec NA's
 40 25 1

patient.samples.sample.2.portions.portion.analytes.analyte.3.aliquots.aliquot.bi
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 1.062e+09 1.062e+09 1.062e+09 1.065e+09 1.062e+09 1.076e+09 41

patient.samples.sample.2.portions.portion.analytes.analyte.3.aliquots.aliquot.ce
 10 NA's
 25 41

patient.samples.sample.2.portions.portion.analytes.analyte.3.aliquots.aliquot.co
 0.5 NA's
 25 41

patient.samples.sample.2.portions.portion.analytes.analyte.3.aliquots.aliquot.da
 9 NA's
 25 41

patient.samples.sample.2.portions.portion.analytes.analyte.3.aliquots.aliquot.is
 no NA's
 25 41

patient.samples.sample.2.portions.portion.analytes.analyte.3.aliquots.aliquot.mo
 7 NA's
 25 41

patient.samples.sample.2.portions.portion.analytes.analyte.3.aliquots.aliquot.pl
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 2.00 3.00 4.00 5.08 6.00 12.00 41

patient.samples.sample.2.portions.portion.analytes.analyte.3.aliquots.aliquot.pl
 2331 2332 NA's
 6 19 41

patient.samples.sample.2.portions.portion.analytes.analyte.3.aliquots.aliquot.qu

40 NA's
25 41

patient.samples.sample.2.portions.portion.analytes.analyte.3.aliquots.aliquot.so
22 NA's
25 41

patient.samples.sample.2.portions.portion.analytes.analyte.3.aliquots.aliquot.vo
80 NA's
25 41

patient.samples.sample.2.portions.portion.analytes.analyte.3.aliquots.aliquot.ye
2012 NA's
25 41

patient.samples.sample.2.portions.portion.analytes.analyte.3.amount:
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
171.0 189.0 194.0 196.2 206.0 222.0 41

patient.samples.sample.2.portions.portion.analytes.analyte.3.analyte_type:
repli-g (qiagen) dna NA's
25 41

patient.samples.sample.2.portions.portion.analytes.analyte.3.analyte_type_id:
w NA's
25 41

patient.samples.sample.2.portions.portion.analytes.analyte.3.concentration:
0.5 NA's
25 41

patient.samples.sample.2.portions.portion.analytes.analyte.3.dna.normal_tumor_ge
yes NA's
25 41

patient.samples.sample.2.portions.portion.analytes.analyte.3.dna.pcr_amplificati
no NA's
25 41

patient.samples.sample.2.portions.portion.analytes.analyte.3.gel_image_file:
<https://sharedoc.nchri.org/tcga-bcr/default.aspx>
25
NA's
41

patient.samples.sample.2.portions.portion.analytes.analyte.3.is_derived_from_ffp
no NA's
25 41

patient.samples.sample.2.portions.portion.analytes.analyte.3.protocols.protocol.

repli-g NA's
25 41

patient.samples.sample.2.portions.portion.analytes.analyte.3.spectrophotometer_m
picogreen NA's
25 41

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.2.bi
Min. 1st Qu. Median Mean 3rd Qu. Max.
121012610 121012663 121013496 123163610 125247110 131701896

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.2.ce
10
66

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.2.co
0.05
66

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.2.da
10 11
1 65

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.2.is
no
66

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.2.mo
6 9
65 1

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.2.pl
Min. 1st Qu. Median Mean 3rd Qu. Max.
1.000 2.250 4.500 6.333 10.000 12.000

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.2.pl
2310 2311 2397
31 34 1

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.2.qu
3
66

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.2.so
22
66

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.2.vo
60

66

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.2.ye
2012

66

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.3.bi

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
121013514	121013712	121014250	121692313	121014297	160356297	8

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.3.ce

5 10 NA's
57 1 8

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.3.co

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0.0700	0.1400	0.1400	0.1426	0.1500	0.1600	8

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.3.da

11 25 NA's
57 1 8

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.3.is

no NA's
58 8

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.3.mo

6 11 NA's
57 1 8

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.3.pl

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1.000	2.000	9.000	6.621	11.000	12.000	8

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.3.pl

2312 2313 a34n NA's
31 26 1 8

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.3.qu

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0.940	1.860	1.860	1.898	2.000	2.130	8

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.3.so

22 23 NA's
57 1 8

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.3.vo

13.3 13.4 NA's
57 1 8

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.3.ye
 2012 2013 NA's
 57 1 8

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.4.bi
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 160338853 160355367 160356298 162838345 165947884 167811818 60

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.4.ce
 10 NA's
 6 60

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.4.co
 0.07 NA's
 6 60

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.4.da
 8 21 25 NA's
 2 2 2 60

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.4.is
 no NA's
 6 60

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.4.mo
 1 11 NA's
 4 2 60

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.4.pl
 1 2 3 NA's
 4 1 1 60

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.4.pl
 a34n a35s a469 NA's
 2 2 2 60

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.4.pl
 a b c h NA's
 1 3 1 1 60

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.4.qu
 0.46 0.94 NA's
 2 4 60

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.4.so
 23 NA's
 6 60

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.4.vo

6.6 13.4 NA's
2 4 60

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.4.ye
2013 2014 2015 NA's
2 2 2 60

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.bios
Min. 1st Qu. Median Mean 3rd Qu. Max.
1.252e+08 1.252e+08 1.252e+08 1.397e+08 1.252e+08 1.076e+09

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.cent
1
66

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.conc
0.13 0.14 0.15 0.16 0.17
6 31 24 4 1

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.day_
10 11
1 65

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.is_d
no
66

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.mont
6 9
65 1

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.plat
Min. 1st Qu. Median Mean 3rd Qu. Max.
1.000 3.000 5.000 6.485 10.750 12.000

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.plat
2308 2309 2389
31 34 1

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.quan
0.87 0.93 1 1.07 1.13
6 31 24 4 1

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.sour
22
66

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.vol
6.67

66

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.year
2012

66

patient.samples.sample.2.portions.portion.analytes.analyte.amount:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.
11.3	181.1	217.3	214.2	245.8	358.3

patient.samples.sample.2.portions.portion.analytes.analyte.analyte_type:

dna

66

patient.samples.sample.2.portions.portion.analytes.analyte.analyte_type_id:

d

66

patient.samples.sample.2.portions.portion.analytes.analyte.concentration:

0.13	0.14	0.15	0.16	0.17
6	31	24	4	1

patient.samples.sample.2.portions.portion.analytes.analyte.dna.normal_tumor_genom

yes

66

patient.samples.sample.2.portions.portion.analytes.analyte.dna.pcr_amplification

no

66

patient.samples.sample.2.portions.portion.analytes.analyte.gel_image_file:

<https://sharedoc.nchri.org/tcga-bcr/default.aspx>

66

patient.samples.sample.2.portions.portion.analytes.analyte.is_derived_from_ffpe:

no

66

patient.samples.sample.2.portions.portion.analytes.analyte.protocols.protocol.ex

adna preparation type	chemical lysis dna extraction
-----------------------	-------------------------------

57

7

pre-extracted dna received by tss

2

patient.samples.sample.2.portions.portion.analytes.analyte.spectrophotometer_met

picogreen

66

patient.samples.sample.2.portions.portion.day_of_creation:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.
1.00	11.00	17.00	15.79	21.00	23.00

patient.samples.sample.2.portions.portion.is_ffpe:

no
66

patient.samples.sample.2.portions.portion.month_of_creation:

5	6	7
63	2	1

patient.samples.sample.2.portions.portion.portion_number:

1
66

patient.samples.sample.2.portions.portion.slides.slide.is_derived_from_ffpe:

no NA's
57 9

patient.samples.sample.2.portions.portion.slides.slide.percent_lymphocyte_infiltration:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0.000	0.000	0.000	1.121	1.000	7.000	33

patient.samples.sample.2.portions.portion.slides.slide.percent_monocyte_infiltration:

0	5	NA's
32	1	33

patient.samples.sample.2.portions.portion.slides.slide.percent_neutrophil_infiltration:

0 NA's
33 33

patient.samples.sample.2.portions.portion.slides.slide.section_location:

top NA's
57 9

patient.samples.sample.2.portions.portion.weight:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
51.00	61.00	64.00	64.35	70.00	74.00	9

patient.samples.sample.2.portions.portion.year_of_creation:

2012
66

patient.samples.sample.2.sample_type:

blood derived normal	solid tissue normal
9	57

patient.samples.sample.2.sample_type_id:

10 11
9 57

patient.samples.sample.2.shortest_dimension:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 0.1000 0.3000 0.4000 0.4596 0.6000 1.0000 9

patient.samples.sample.2.vial_number:
 a
 66

patient.samples.sample.intermediate_dimension:
 Min. 1st Qu. Median Mean 3rd Qu. Max.
 0.500 0.800 1.000 1.085 1.200 2.200

patient.samples.sample.is_ffpe:
 no
 66

patient.samples.sample.longest_dimension:
 Min. 1st Qu. Median Mean 3rd Qu. Max.
 0.700 1.500 1.800 1.827 2.000 3.200

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.2.bi
 Min. 1st Qu. Median Mean 3rd Qu. Max.
 1.210e+08 1.210e+08 1.210e+08 1.355e+08 1.210e+08 1.076e+09

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.2.ce
 7
 66

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.2.co
 0.13 0.14 0.15 0.16
 5 16 31 14

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.2.da
 10 11
 1 65

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.2.is
 no
 66

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.2.mo
 6 9

65 1

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.2.pl

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.
1.000	2.250	4.500	4.515	6.750	9.000

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.2.pl

2315 2403
65 1

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.2.qu

1.73	1.86	2	2.13
5	16	31	14

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.2.sc

22
66

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.2.vo

13.3
66

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.2.ye

2012
66

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.bios

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.
1.210e+08	1.210e+08	1.210e+08	1.355e+08	1.210e+08	1.076e+09

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.cent

13
66

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.conc

0.13	0.14	0.15	0.16
5	16	31	14

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.day_

10 11
1 65

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.is_d

no
66

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.mont

6 9
65 1

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.plat
 Min. 1st Qu. Median Mean 3rd Qu. Max.
 1.000 2.250 4.500 4.515 6.750 9.000

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.plat
 2314 2401
 65 1

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.quant
 2.6 2.8 3 3.2
 5 16 31 14

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.sour
 22
 66

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.vol
 20
 66

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.year
 2012
 66

patient.samples.sample.portions.portion.analytes.analyte.2.amount:
 Min. 1st Qu. Median Mean 3rd Qu. Max.
 15.20 58.77 86.70 108.56 134.45 403.20

patient.samples.sample.portions.portion.analytes.analyte.2.analyte_type:
 rna
 66

patient.samples.sample.portions.portion.analytes.analyte.2.analyte_type_id:
 r
 66

patient.samples.sample.portions.portion.analytes.analyte.2.concentration:
 0.13 0.14 0.15 0.16
 5 16 31 14

patient.samples.sample.portions.portion.analytes.analyte.2.gel_image_file:
<https://sharedoc.nchri.org/tcga-bcr/default.aspx>
 66

patient.samples.sample.portions.portion.analytes.analyte.2.is_derived_from_ffpe:
 no
 66

patient.samples.sample.portions.portion.analytes.analyte.2.protocols.protocol.ex
mirvana (allprep dna) rna

66

patient.samples.sample.portions.portion.analytes.analyte.2.rna.ratio_28s_18s:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.
0.790	1.212	1.415	1.381	1.542	1.980

patient.samples.sample.portions.portion.analytes.analyte.2.rna.rinvalue:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.
7.4	8.4	8.8	8.7	9.1	9.5

patient.samples.sample.portions.portion.analytes.analyte.2.spectrophotometer_met
uv spec

66

patient.samples.sample.portions.portion.analytes.analyte.2.subportion_sequence:

1

66

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.bios

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.
1.323e+08	1.076e+09	1.076e+09	1.062e+09	1.076e+09	1.076e+09

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.cent

10

66

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.conc

0.5

66

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.day_

8 9

1 65

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.is_d

no

66

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.mont

5 7

1 65

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.plat

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.
1.000	3.000	5.000	5.303	7.750	10.000

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.plat

2331 a29f

65 1

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.quant
40
66

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.sour
22 23
65 1

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.vol
80
66

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.year
2012 2013
65 1

patient.samples.sample.portions.portion.analytes.analyte.3.amount:
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
176.0 186.0 191.0 192.9 200.0 212.0 1

patient.samples.sample.portions.portion.analytes.analyte.3.analyte_type:
repli-g (qiagen) dna
66

patient.samples.sample.portions.portion.analytes.analyte.3.analyte_type_id:
w
66

patient.samples.sample.portions.portion.analytes.analyte.3.concentration:
0.5 NA's
65 1

patient.samples.sample.portions.portion.analytes.analyte.3.dna.normal_tumor_gen
yes
66

patient.samples.sample.portions.portion.analytes.analyte.3.dna.pcr_amplification
no yes
65 1

patient.samples.sample.portions.portion.analytes.analyte.3.gel_image_file:
<https://sharedoc.nchri.org/tcga-bcr/default.aspx>
66

patient.samples.sample.portions.portion.analytes.analyte.3.is_derived_from_ffpe:
no
66

patient.samples.sample.portions.portion.analytes.analyte.3.protocols.protocol.ex
 repli-g repli-g x
 65 1

patient.samples.sample.portions.portion.analytes.analyte.3.spectrophotometer_met
 picogreen NA's
 65 1

patient.samples.sample.portions.portion.analytes.analyte.3.subportion_sequence:
 1
 66

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.2.bios
 Min. 1st Qu. Median Mean 3rd Qu. Max.
 125246617 125247093 125247120 125344871 125247144 131700980

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.2.cent
 10
 66

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.2.conc
 0.05
 66

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.2.day_
 10 11
 1 65

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.2.is_d
 no
 66

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.2.mont
 6 9
 65 1

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.2.plat
 Min. 1st Qu. Median Mean 3rd Qu. Max.
 1.000 2.250 4.500 4.515 6.750 9.000

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.2.plat
 2310 2397
 65 1

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.2.quan
 3
 66

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.2.sour
 22
 66

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.2.vol
 60
 66

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.2.year
 2012
 66

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.3.bios
 Min. 1st Qu. Median Mean 3rd Qu. Max.
 121013538 121014264 121014288 121176208 121014313 131702399

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.3.cent
 5
 66

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.3.conc
 0.13 0.14 0.15 0.16 0.17
 1 26 27 11 1

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.3.day_
 10 11
 1 65

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.3.is_d
 no
 66

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.3.mont
 6 9
 65 1

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.3.plat
 Min. 1st Qu. Median Mean 3rd Qu. Max.
 1.000 2.250 4.500 4.515 6.750 9.000

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.3.plat
 2312 2398
 65 1

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.3.quan
 1.73 1.86 2 2.13 2.26
 1 26 27 11 1

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.3.sour

22

66

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.3.volu

13.3

66

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.3.year

2012

66

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.4.bios

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
16405359	160355809	160356294	133057119	160356296	167811837	61

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.4.cent

10 NA's

5 61

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.4.conc

0.07 0.08 NA's

1 4 61

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.4.day_

8 21 25 29 NA's

1 1 2 1 61

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.4.is_d

no NA's

5 61

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.4.mont

1 11 NA's

3 2 61

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.4.plat

1 3 5 NA's

3 1 1 61

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.4.plat

a34n a35s a35z a469 NA's

2 1 1 1 61

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.4.plat

a b c e NA's

2 1 1 1 61

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.4.quan

0.46 0.53 1.07 NA's

1 1 3 61

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.4.sour
 23 NA's
 5 61

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.4.vol
 6.6 13.4 NA's
 2 3 61

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.4.year
 2013 2014 2015 NA's
 2 2 1 61

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.5.bcr_
 tcga-ko-8416-01a-11d-a469-10 NA's
 1 65

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.5.bcr_
 b7750ed4-b64e-4fe0-91e4-5a50eee43c2b NA's
 1 65

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.5.bios
 167811766 NA's
 1 65

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.5.cent
 10 NA's
 1 65

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.5.conc
 0.08 NA's
 1 65

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.5.day_
 21 NA's
 1 65

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.5.is_d
 no NA's
 1 65

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.5.mont
 1 NA's
 1 65

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.5.plat
 2 NA's
 1 65

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.5.plat
 a469 NA's
 1 65

```

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.5.plat
g NA's
1 65

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.5.quan
1.07 NA's
1 65

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.5.sour
23 NA's
1 65

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.5.volu
13.4 NA's
1 65

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.5.year
2015 NA's
1 65

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.biospe
Min. 1st Qu. Median Mean 3rd Qu. Max.
1.252e+08 1.252e+08 1.252e+08 1.397e+08 1.252e+08 1.076e+09

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.center
1
66

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.concen
0.13 0.14 0.15 0.16 0.17
1 26 27 11 1

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.day_of
10 11
1 65

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.is_der
no
66

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.month_
6 9
65 1

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.plate_
Min. 1st Qu. Median Mean 3rd Qu. Max.
1.000 3.000 5.000 4.667 7.000 11.000

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.plate_

```


2308 2389
65 1

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.quantit
0.87 0.93 1 1.07 1.13
1 26 27 11 1

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.source
22
66

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.volume
6.67
66

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.year_o
2012
66

patient.samples.sample.portions.portion.analytes.analyte.amount:
Min. 1st Qu. Median Mean 3rd Qu. Max.
1.80 71.22 93.75 107.43 150.95 260.30

patient.samples.sample.portions.portion.analytes.analyte.analyte_type:
dna
66

patient.samples.sample.portions.portion.analytes.analyte.analyte_type_id:
d
66

patient.samples.sample.portions.portion.analytes.analyte.concentration:
0.13 0.14 0.15 0.16 0.17
1 26 27 11 1

patient.samples.sample.portions.portion.analytes.analyte.dna.normal_tumor_genoty
yes
66

patient.samples.sample.portions.portion.analytes.analyte.dna.pcr_amplification_s
no
66

patient.samples.sample.portions.portion.analytes.analyte.gel_image_file:
<https://sharedoc.nchri.org/tcga-bcr/default.aspx>
66

patient.samples.sample.portions.portion.analytes.analyte.is_derived_from_ffpe:
no

66

patient.samples.sample.portions.portion.analytes.analyte.protocols.protocol.expe
adna preparation type

66

patient.samples.sample.portions.portion.analytes.analyte.spectrophotometer_metho
picogreen

66

patient.samples.sample.portions.portion.analytes.analyte.subportion_sequence:

1

66

patient.samples.sample.portions.portion.day_of_creation:

10 12 17 21 30

24 1 20 19 2

patient.samples.sample.portions.portion.is_ffpe:

no

66

patient.samples.sample.portions.portion.month_of_creation:

5 7

65 1

patient.samples.sample.portions.portion.portion_number:

11 21

65 1

patient.samples.sample.portions.portion.slides.slide.2.is_derived_from_ffpe:

no NA's

56 10

patient.samples.sample.portions.portion.slides.slide.2.percent_lymphocyte_infilt

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0.000	0.000	0.000	1.406	2.000	10.000	34

patient.samples.sample.portions.portion.slides.slide.2.percent_monocyte_infiltra

0	5	10	NA's
28	2	1	35

patient.samples.sample.portions.portion.slides.slide.2.percent_necrosis:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0.0000	0.0000	0.0000	0.4107	0.0000	10.0000	10

patient.samples.sample.portions.portion.slides.slide.2.percent_neutrophil_infilt

```

0 NA's
31 35

patient.samples.sample.portions.portion.slides.slide.2.percent_normal_cells:
0 NA's
56 10

patient.samples.sample.portions.portion.slides.slide.2.percent_stromal_cells:
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.   NA's
0.000  0.000   5.000   4.643 10.000  15.000    10

patient.samples.sample.portions.portion.slides.slide.2.percent_tumor_cells:
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.   NA's
85.00  90.00   95.00   94.95 100.00  100.00    10

patient.samples.sample.portions.portion.slides.slide.2.percent_tumor_nuclei:
 80  85  90  95 NA's
  2   5  28  21  10

patient.samples.sample.portions.portion.slides.slide.2.section_location:
top NA's
56 10

patient.samples.sample.portions.portion.slides.slide.is_derived_from_ffpe:
no
66

patient.samples.sample.portions.portion.slides.slide.percent_lymphocyte_infiltra
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.   NA's
0.000  0.000   0.000   1.353  1.750  10.000    32

patient.samples.sample.portions.portion.slides.slide.percent_monocyte_infiltrati
  0  2  5  15 NA's
30  1  1  1  33

patient.samples.sample.portions.portion.slides.slide.percent_necrosis:
 0  1  4  5 15
60  1  1  3  1

patient.samples.sample.portions.portion.slides.slide.percent_neutrophil_infiltra
 0 NA's
33 33

patient.samples.sample.portions.portion.slides.slide.percent_normal_cells:
 0 3
65 1

patient.samples.sample.portions.portion.slides.slide.percent_stromal_cells:
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.

```

0.000 0.000 5.000 5.333 10.000 20.000

patient.samples.sample.portions.portion.slides.slide.percent_tumor_cells:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.
75.00	90.00	95.00	94.09	100.00	100.00

patient.samples.sample.portions.portion.slides.slide.percent_tumor_nuclei:

80	85	90	92	95
2	11	36	1	16

patient.samples.sample.portions.portion.slides.slide.section_location:

bottom	top
56	10

patient.samples.sample.portions.portion.weight:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.
27.00	32.00	36.00	35.74	39.00	42.00

patient.samples.sample.portions.portion.year_of_creation:

2012
66

patient.samples.sample.portions.shipment_portion.center_id:

20	NA's
63	3

patient.samples.sample.portions.shipment_portion.is_ffpe:

no	NA's
63	3

patient.samples.sample.portions.shipment_portion.plate_id:

a421	NA's
63	3

patient.samples.sample.portions.shipment_portion.portion_number:

21	NA's
63	3

patient.samples.sample.portions.shipment_portion.portion_sequence:

2	NA's
63	3

patient.samples.sample.portions.shipment_portion.shipment_portion_day_of_shipmen

4	NA's
63	3

patient.samples.sample.portions.shipment_portion.shipment_portion_month_of_shipm

6	NA's
63	3

patient.samples.sample.portions.shipment_portion.shipment_portion_year_of_shipment
2014 NA's

63 3

patient.samples.sample.sample_type:

primary tumor

66

patient.samples.sample.sample_type_id:

1

66

patient.samples.sample.shortest_dimension:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.
0.1000	0.3000	0.5000	0.4879	0.6000	1.0000

patient.samples.sample.vial_number:

a

66

Disease.Abbreviation:

KICH

66

mtDNA.data:

NO YES

5 61

WGS.data:

NO YES

16 50

Primary.Site.Of.Disease:

Kidney

66

Gender:

FEMALE MALE

27 39

Age.at.Diagnosis:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.
17.00	42.00	50.00	51.52	61.75	86.00

Race:

[Not Evaluated]

1

[Unknown]

1

ASIAN

2

BLACK OR AFRICAN AMERICAN

4

WHITE

58

Ethnicity:

[Not Evaluated]

[Unknown]

HISPANIC OR LATINO

	27	3	4
NOT HISPANIC OR LATINO			
	32		

Year.of.Initial.Pathologic.Diagnosis:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.
2000	2004	2005	2005	2007	2011

Prior.Diagnosis..Y.N.:

No	59
Yes, History of Prior Malignancy	5
Yes, History of Synchronous and or Bilateral Malignancy	2

Prior.Therapy..Y.N.:

No	66
----	----

Histological.Subtype:

Kidney Chromophobe	66
--------------------	----

Laterality:

Left	Right
30	36

Pathologic.Spread.Distant.Metastasis:

[Not Available]	M0	M1	MX
21	34	2	9

Pathologic.Spread.Lymph.Nodes:

N0	N1	N2	NX
40	3	2	21

Tumor.Stage:

Stage I	Stage II	Stage III	Stage IV
21	25	14	6

Composite.Tumor.Status:

[Unknown]	TUMOR FREE	WITH TUMOR
1	52	13

Composite.Vital.Status:

DECEASED	LIVING
9	57

Description

A document describing the TCGA cancer code

Details

```

> experiments( KIRC )
ExperimentList class object of length 12:
 [1] CNASNP-20160128: RaggedExperiment with 488691 rows and 1059 columns
 [2] CNVSNP-20160128: RaggedExperiment with 85036 rows and 1059 columns
 [3] GISTIC_AllByGene-20160128: SummarizedExperiment with 24776 rows and 528 col
 [4] GISTIC_ThresholdedByGene-20160128: SummarizedExperiment with 24776 rows and
 [5] Methylation_methyl27-20160128: SummarizedExperiment with 27578 rows and 418
 [6] Methylation_methyl450-20160128: SummarizedExperiment with 485577 rows and 4
 [7] miRNASeqGene-20160128: SummarizedExperiment with 1046 rows and 326 columns
 [8] mRNAArray-20160128: SummarizedExperiment with 17814 rows and 72 columns
 [9] Mutation-20160128: RaggedExperiment with 26369 rows and 437 columns
 [10] RNASeq2GeneNorm-20160128: SummarizedExperiment with 20501 rows and 606 col
 [11] RNASeqGene-20160128: SummarizedExperiment with 20502 rows and 537 columns
 [12] RPPAArray-20160128: SummarizedExperiment with 217 rows and 478 columns

> rownames( KIRC )
CharacterList of length 12
[["CNASNP-20160128"]] character(0)
[["CNVSNP-20160128"]] character(0)
[["GISTIC_AllByGene-20160128"]] ACAP3 ACTRT2 ... WASIR1|ENSG00000185203.7
[["GISTIC_ThresholdedByGene-20160128"]] ACAP3 ... WASIR1|ENSG00000185203.7
[["Methylation_methyl27-20160128"]] cg00000292 cg00002426 ... cg27665659
[["Methylation_methyl450-20160128"]] cg00000029 cg00000108 ... rs9839873
[["miRNASeqGene-20160128"]] hsa-let-7a-1 hsa-let-7a-2 ... hsa-mir-99b
[["mRNAArray-20160128"]] ELMO2 CREB3L1 RPS11 PNMA1 ... SLC39A6 SNRPD2 AQP7 CTSC
[["Mutation-20160128"]] character(0)
[["RNASeq2GeneNorm-20160128"]] A1BG A1CF A2BP1 A2LD1 ... ZZZ3 psitPTE22 tAKR
...
<2 more elements>

> colnames( KIRC )
CharacterList of length 12
[["CNASNP-20160128"]] TCGA-3Z-A93Z-01A-11D-A36W-01 ...
[["CNVSNP-20160128"]] TCGA-3Z-A93Z-01A-11D-A36W-01 ...
[["GISTIC_AllByGene-20160128"]] TCGA-3Z-A93Z-01A-11D-A36W-01 ...
[["GISTIC_ThresholdedByGene-20160128"]] TCGA-3Z-A93Z-01A-11D-A36W-01 ...
[["Methylation_methyl27-20160128"]] TCGA-A3-3306-11A-01D-0859-05 ...
[["Methylation_methyl450-20160128"]] TCGA-3Z-A93Z-01A-11D-A36Y-05 ...
[["miRNASeqGene-20160128"]] TCGA-3Z-A93Z-01A-11R-A37P-13 ...
[["mRNAArray-20160128"]] TCGA-A3-3306-01A-01R-0864-07 ...
[["Mutation-20160128"]] TCGA-A3-3308-01A-01D-0966-08 ...
[["RNASeq2GeneNorm-20160128"]] TCGA-3Z-A93Z-01A-11R-A370-07 ...
...
<2 more elements>

Sizes of each ExperimentList element:

```


	assay	size.Mb
1	CNASNP-20160128	13.3 Mb
2	CNVSNP-20160128	2.6 Mb
3	GISTIC_AllByGene-20160128	4.4 Mb
4	GISTIC_ThresholdedByGene-20160128	4.4 Mb
5	Methylation_methyl27-20160128	4.4 Mb
6	Methylation_methyl450-20160128	67.5 Mb
7	miRNASeqGene-20160128	0.1 Mb
8	mRNAArray-20160128	1 Mb
9	Mutation-20160128	8 Mb
10	RNASeq2GeneNorm-20160128	1.2 Mb
11	RNASeqGene-20160128	1.2 Mb
12	RPPAArray-20160128	0.1 Mb

Overall survival time-to-event summary (in years):

Call: survfit(formula = survival::Surv(colDat\$days_to_death/365, colDat\$vital_status - 1)

360 observations deleted due to missingness
n events median 0.95LCL 0.95UCL
177.00 177.00 2.24 1.77 2.61

Available sample meta-data:

years_to_birth:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
26.00	52.00	61.00	60.57	70.00	90.00	1

vital_status:

0	1
360	177

days_to_death:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
2.0	333.0	819.0	961.2	1432.0	3615.0	360

days_to_last_followup:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0.0	710.5	1454.5	1536.9	2172.0	4537.0	177

tumor_tissue_site:

kidney
537

pathologic_stage:

stage i	stage ii	stage iii	stage iv	NA's
269	57	125	84	2

pathology_N_stage:

n0	n1	nx
240	17	280

pathology_M_stage:

m0	m1	mx	NA's
426	79	30	2

gender:

female	male
191	346

date_of_initial_pathologic_diagnosis:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.
1998	2004	2006	2006	2007	2013

days_to_last_known_alive:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0	191	1172	1117	1887	2799	510

radiation_therapy:

no	yes	NA's
142	2	393

karnofsky_performance_score:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0.00	90.00	90.00	85.56	100.00	100.00	483

histological_type:

kidney clear cell renal carcinoma
537

number_pack_years_smoked:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
7.00	14.00	30.00	28.33	40.00	65.00	516

year_of_tobacco_smoking_onset:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1946	1966	1978	1979	1996	2001	525

race:

asian	black	or african	american	white
8			56	466
NA's				
7				

ethnicity:

hispanic or latino	not hispanic or latino	NA's

26

359

152

```

admin.bcr:
nationwide children's hospital
                    537

admin.day_of_dcc_upload:
  1
537

admin.disease_code:
kirc
  537

admin.month_of_dcc_upload:
  10
537

admin.patient_withdrawal.withdrawn:
false
  537

admin.project_code:
tcga
  537

admin.year_of_dcc_upload:
2015
  537

patient.additional_studies.additional_study.disease_code:
fppp NA's
  4  533

patient.additional_studies.additional_study.project_code:
tcga NA's
  4  533

patient.age_at_initial_pathologic_diagnosis:
  Min. 1st Qu.  Median    Mean 3rd Qu.  Max.
  26.00  52.00   61.00   60.59  70.00   90.00

patient.clinical_cqcf.anatomic_neoplasm_subdivision:
left right  NA's
  243   268    26

patient.clinical_cqcf.consent_or_death_status:
consented  deceased
  424         113

```

```

patient.clinical_cqcf.country:
united states          NA's
      94                443

patient.clinical_cqcf.days_to_consent:
      Min. 1st Qu.  Median    Mean 3rd Qu.    Max.    NA's
-3371.00  -24.25   -7.00   73.03   0.00  3116.00   105

patient.clinical_cqcf.days_to_death:
      Min. 1st Qu.  Median    Mean 3rd Qu.    Max.    NA's
      18.0   311.0   709.0   858.7  1317.0   2764.0   432

patient.clinical_cqcf.histological_type:
kidney clear cell renal carcinoma
                                537

patient.clinical_cqcf.history_of_neoadjuvant_treatment:
                                no
                                524
yes, pharmaceutical treatment prior to resection
                                9
                                yes, radiation prior to resection
                                4

patient.clinical_cqcf.history_of_prior_malignancy:
                                no
                                459
                                yes, history of prior malignancy
                                60
yes, history of synchronous and or bilateral malignancy
                                6
                                NA's
                                12

patient.clinical_cqcf.normal_tissue_anatomic_site:
      kidney kidney; cortex kidney; medulla kidney; mixed    NA's
      243                55                23                129                87

patient.clinical_cqcf.normal_tissue_proximity:
distal (>2cm)          NA's
      404                133

patient.clinical_cqcf.other_anatomic_site_normal_tissue:
mm NA's
1 536

patient.clinical_cqcf.tumor_type:
primary
      537

patient.day_of_form_completion:
      Min. 1st Qu.  Median    Mean 3rd Qu.    Max.    NA's

```

1.00	9.00	14.00	16.52	24.00	31.00	6
patient.days_to_birth:						
Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
-32873	-25616	-22322	-22302	-19022	-9714	1
patient.days_to_death:						
Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
2.0	322.2	731.0	886.6	1341.5	2830.0	375
patient.days_to_initial_pathologic_diagnosis:						
0						
537						
patient.days_to_last_followup:						
Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
-2	271	1114	1117	1794	3377	155
patient.days_to_last_known_alive:						
Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0	191	1172	1117	1887	2799	510
patient.drugs.drug.10.bcr_drug_barcode:						
tcga-cj-4637-d9504						NA's
1						536
patient.drugs.drug.10.bcr_drug_uuid:						
54419681-f557-4d4d-8a03-a2dc7482a7d0						NA's
1						536
patient.drugs.drug.10.day_of_form_completion:						
25	NA's					
1	536					
patient.drugs.drug.10.days_to_drug_therapy_end:						
1883	NA's					
1	536					
patient.drugs.drug.10.days_to_drug_therapy_start:						
1868	NA's					
1	536					
patient.drugs.drug.10.drug_name:						
avastin						NA's
1						536
patient.drugs.drug.10.month_of_form_completion:						
3	NA's					
1	536					
patient.drugs.drug.10.regimen_indication:						
progression						NA's

1 536

patient.drugs.drug.10.route_of_administrations.route_of_administration:
intravenous (iv) NA's
1 536

patient.drugs.drug.10.therapy_ongoing:
no NA's
1 536

patient.drugs.drug.10.therapy_types.therapy_type:
targeted molecular therapy NA's
1 536

patient.drugs.drug.10.year_of_form_completion:
2011 NA's
1 536

patient.drugs.drug.2.day_of_form_completion:
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
2.00 8.25 18.50 18.03 27.50 31.00 503

patient.drugs.drug.2.days_to_drug_therapy_end:
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
0.0 238.0 482.0 703.2 920.2 2450.0 509

patient.drugs.drug.2.days_to_drug_therapy_start:
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
-92 70 235 503 767 1765 504

patient.drugs.drug.2.measure_of_response:
clinical progressive disease stable disease
3 1
NA's
533

patient.drugs.drug.2.month_of_form_completion:
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
2.000 3.000 4.000 4.824 5.000 12.000 503

patient.drugs.drug.2.number_cycles:
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
1.00 2.50 6.00 22.87 14.00 241.00 522

patient.drugs.drug.2.regimen_indication:
adjuvant other: specify in notes progression
2 8 16

```

recurrence
      2
NA's
      509

patient.drugs.drug.2.regimen_number:
  1  2  3  4 NA's
  8  7  1  2 519

patient.drugs.drug.2.route_of_administrations.route_of_administration:
intravenous (iv)          oral subcutaneous (sc)          NA's
      9                  17                  2                  509

patient.drugs.drug.2.therapy_ongoing:
no  yes NA's
30  4  503

patient.drugs.drug.2.therapy_types.therapy_type:
      chemotherapy          immunotherapy
      11                    1
other, specify targeted molecular therapy
      2                    20
      NA's
      503

patient.drugs.drug.2.therapy_types.therapy_type_notes:
sorafenib  vaccine  NA's
      1        2    534

patient.drugs.drug.2.total_dose:
  2  3.6 NA's
  1  1  535

patient.drugs.drug.2.total_dose_units:
g/day  ml  NA's
  1    1  535

patient.drugs.drug.2.tx_on_clinical_trial:
no  yes NA's
  4  2  531

patient.drugs.drug.2.year_of_form_completion:
Min. 1st Qu.  Median  Mean 3rd Qu.  Max.  NA's
2010  2011    2011   2011  2011   2015  503

patient.drugs.drug.3.day_of_form_completion:
Min. 1st Qu.  Median  Mean 3rd Qu.  Max.  NA's
2.00  13.75   24.00  19.94  28.00  31.00  519

patient.drugs.drug.3.days_to_drug_therapy_end:
Min. 1st Qu.  Median  Mean 3rd Qu.  Max.  NA's

```

74.0 225.0 282.0 482.1 592.0 1888.0 522

patient.drugs.drug.3.days_to_drug_therapy_start:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 27.0 107.8 222.0 460.9 407.0 2586.0 519

patient.drugs.drug.3.measure_of_response:
 stable disease NA's
 1 536

patient.drugs.drug.3.month_of_form_completion:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 3.000 3.000 4.000 4.111 4.000 9.000 519

patient.drugs.drug.3.number_cycles:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 1.000 2.000 5.000 5.444 9.000 12.000 528

patient.drugs.drug.3.prescribed_dose_units:
 mg mg/m2 mg/m2/day ml NA's
 4 1 2 1 529

patient.drugs.drug.3.regimen_indication:
 adjuvant other: specify in notes progression
 2 2 13
 NA's
 520

patient.drugs.drug.3.regimen_indication_notes:
 treatment of metastatic disease following cytoreductive nephrectomy
 1
 NA's
 536

patient.drugs.drug.3.regimen_number:
 1 2 3 4 NA's
 4 1 5 1 526

patient.drugs.drug.3.route_of_administrations.route_of_administration:
 intramuscular (im) intravenous (iv) oral subcutaneous (sc)
 1 7 5 4
 NA's
 520

patient.drugs.drug.3.therapy_ongoing:
 no yes NA's
 17 1 519

patient.drugs.drug.3.therapy_types.therapy_type:
 chemotherapy immunotherapy

	9	3
other, specify	targeted molecular therapy	
	1	5
	NA's	
	519	

patient.drugs.drug.3.therapy_types.therapy_type_notes:
 vaccine NA's
 1 536

patient.drugs.drug.3.total_dose:
 2.4 30 million NA's
 1 1 535

patient.drugs.drug.3.total_dose_units:
 ml NA's
 1 536

patient.drugs.drug.3.tx_on_clinical_trial:
 no NA's
 1 536

patient.drugs.drug.3.year_of_form_completion:
 2011 2014 NA's
 17 1 519

patient.drugs.drug.4.day_of_form_completion:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 4.00 16.25 24.00 21.14 28.00 31.00 523

patient.drugs.drug.4.days_to_drug_therapy_end:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 155.0 231.8 378.5 608.2 606.5 2053.0 525

patient.drugs.drug.4.days_to_drug_therapy_start:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 45.0 153.8 316.0 547.9 677.5 1962.0 523

patient.drugs.drug.4.month_of_form_completion:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 3.000 3.000 3.500 4.214 4.000 9.000 523

patient.drugs.drug.4.number_cycles:
 1 3 NA's
 1 2 534

patient.drugs.drug.4.prescribed_dose:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 2.5 20.0 75.0 83385.4 137.5 500000.0 531

patient.drugs.drug.4.prescribed_dose_units:

g/day	mg	mg/day	mg/kg	NA's
1	1	2	1	532

patient.drugs.drug.4.regimen_indication:

other: specify in notes	progression	NA's
3	11	523

patient.drugs.drug.4.regimen_indication_notes:

patient cannot tolerate sorafenib	re-started treatment
1	1
NA's	
535	

patient.drugs.drug.4.regimen_number:

2	3	4	5	NA's
3	1	2	2	529

patient.drugs.drug.4.route_of_administrations.route_of_administration:

intravenous (iv)	oral	subcutaneous (sc)	NA's
4	8	2	523

patient.drugs.drug.4.therapy_ongoing:

no	yes	NA's
13	1	523

patient.drugs.drug.4.therapy_types.therapy_type:

chemotherapy	immunotherapy
5	2
targeted molecular therapy	NA's
7	523

patient.drugs.drug.4.year_of_form_completion:

2011	NA's
14	523

patient.drugs.drug.5.day_of_form_completion:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
4.00	19.75	25.00	21.88	26.00	30.00	529

patient.drugs.drug.5.days_to_drug_therapy_end:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
144.0	313.5	477.0	698.5	982.8	1625.0	529

patient.drugs.drug.5.days_to_drug_therapy_start:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
81.0	246.0	388.0	427.6	529.8	1033.0	529

patient.drugs.drug.5.month_of_form_completion:

3	4	7	9	NA's
3	3	1	1	529

patient.drugs.drug.5.number_cycles:

1	NA's
2	535

patient.drugs.drug.5.prescribed_dose:

1,000,000 units	10	400	NA's
	1	1	533
		2	

patient.drugs.drug.5.prescribed_dose_units:

mg	mg/day	mg/kg	NA's
1	1	1	534

patient.drugs.drug.5.regimen_indication:

other: specify in notes	progression	NA's
	1	7
		529

patient.drugs.drug.5.regimen_indication_notes:

metistatic disease	NA's
1	536

patient.drugs.drug.5.regimen_number:

2	3	NA's
1	3	533

patient.drugs.drug.5.route_of_administrations.route_of_administration:

intravenous (iv)	oral	subcutaneous (sc)	NA's
	2	5	1
			529

patient.drugs.drug.5.therapy_ongoing:

no	NA's
8	529

patient.drugs.drug.5.therapy_types.therapy_type:

chemotherapy	immunotherapy
3	1
targeted molecular therapy	NA's
4	529

patient.drugs.drug.5.year_of_form_completion:

2011	NA's
8	529

patient.drugs.drug.6.day_of_form_completion:

4	21	25	31	NA's
1	1	2	1	532

```

patient.drugs.drug.6.days_to_drug_therapy_end:
  Min. 1st Qu.  Median    Mean 3rd Qu.  Max.    NA's
  288    444    454    590    861    903    532

patient.drugs.drug.6.days_to_drug_therapy_start:
  Min. 1st Qu.  Median    Mean 3rd Qu.  Max.    NA's
  10.0  114.0  263.0  325.6  392.0  849.0  532

patient.drugs.drug.6.month_of_form_completion:
  3    4    7 NA's
  3    1    1 532

patient.drugs.drug.6.number_cycles:
  2    6  10  11 NA's
  1    1    1    1 533

patient.drugs.drug.6.prescribed_dose:
  600 NA's
  1  536

patient.drugs.drug.6.prescribed_dose_units:
mg/m2  NA's
  1  536

patient.drugs.drug.6.regimen_indication:
other: specify in notes      progression      NA's
                        1                        4                        532

patient.drugs.drug.6.regimen_indication_notes:
neoadjuvant      NA's
                  1      536

patient.drugs.drug.6.regimen_number:
  1 NA's
  1 536

patient.drugs.drug.6.route_of_administrations.route_of_administration:
oral NA's
  5 532

patient.drugs.drug.6.therapy_ongoing:
no NA's
  5 532

patient.drugs.drug.6.therapy_types.therapy_type:
      chemotherapy targeted molecular therapy
                        1                        4
                        NA's
                        532

patient.drugs.drug.6.year_of_form_completion:

```

2011 NA's
5 532

patient.drugs.drug.7.bcr_drug_barcode:
tcga-cj-4637-d9500 NA's
1 536

patient.drugs.drug.7.bcr_drug_uuid:
afce5403-0ffb-4b19-82a9-c8132d2d406a NA's
1 536

patient.drugs.drug.7.day_of_form_completion:
25 NA's
1 536

patient.drugs.drug.7.days_to_drug_therapy_end:
507 NA's
1 536

patient.drugs.drug.7.days_to_drug_therapy_start:
484 NA's
1 536

patient.drugs.drug.7.drug_name:
intron a NA's
1 536

patient.drugs.drug.7.month_of_form_completion:
3 NA's
1 536

patient.drugs.drug.7.regimen_indication:
progression NA's
1 536

patient.drugs.drug.7.route_of_administrations.route_of_administration:
subcutaneous (sc) NA's
1 536

patient.drugs.drug.7.therapy_ongoing:
no NA's
1 536

patient.drugs.drug.7.therapy_types.therapy_type:
chemotherapy NA's
1 536

patient.drugs.drug.7.year_of_form_completion:
2011 NA's
1 536

patient.drugs.drug.8.bcr_drug_barcode:

tcga-cj-4637-d9503	NA's	
1	536	
patient.drugs.drug.8.bcr_drug_uuid:		NA's
43b4785b-3f0f-4184-be86-dacff571cf29		536
1		
patient.drugs.drug.8.day_of_form_completion:		
25 NA's		
1	536	
patient.drugs.drug.8.days_to_drug_therapy_end:		
1468 NA's		
1	536	
patient.drugs.drug.8.days_to_drug_therapy_start:		
1213 NA's		
1	536	
patient.drugs.drug.8.drug_name:		
nab-rapamycin	NA's	
1	536	
patient.drugs.drug.8.month_of_form_completion:		
3 NA's		
1	536	
patient.drugs.drug.8.regimen_indication:		
progression	NA's	
1	536	
patient.drugs.drug.8.route_of_administrations.route_of_administration:		
oral NA's		
1	536	
patient.drugs.drug.8.therapy_ongoing:		
no NA's		
1	536	
patient.drugs.drug.8.therapy_types.therapy_type:		
targeted molecular therapy	NA's	
1	536	
patient.drugs.drug.8.year_of_form_completion:		
2011 NA's		
1	536	
patient.drugs.drug.9.bcr_drug_barcode:		
tcga-cj-4637-d9499	NA's	
1	536	
patient.drugs.drug.9.bcr_drug_uuid:		

191125ca-4520-483c-b644-25d9065e0a1c
1 NA's
536

patient.drugs.drug.9.day_of_form_completion:
25 NA's
1 536

patient.drugs.drug.9.days_to_drug_therapy_end:
476 NA's
1 536

patient.drugs.drug.9.days_to_drug_therapy_start:
51 NA's
1 536

patient.drugs.drug.9.drug_name:
roferon-a NA's
1 536

patient.drugs.drug.9.month_of_form_completion:
3 NA's
1 536

patient.drugs.drug.9.regimen_indication:
progression NA's
1 536

patient.drugs.drug.9.route_of_administrations.route_of_administration:
subcutaneous (sc) NA's
1 536

patient.drugs.drug.9.therapy_ongoing:
no NA's
1 536

patient.drugs.drug.9.therapy_types.therapy_type:
chemotherapy NA's
1 536

patient.drugs.drug.9.year_of_form_completion:
2011 NA's
1 536

patient.drugs.drug.day_of_form_completion:
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
1.00 8.00 16.00 17.06 28.00 31.00 452

patient.drugs.drug.days_to_drug_therapy_end:
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
-28.0 133.5 354.5 503.6 643.8 2572.0 473

```

patient.drugs.drug.days_to_drug_therapy_start:
  Min. 1st Qu.  Median      Mean 3rd Qu.  Max.    NA's
-92.00  52.75  191.00  447.77  474.25 2752.00  453

patient.drugs.drug.measure_of_response:
clinical progressive disease      complete response
                                8                          1
                                stable disease                NA's
                                2                          526

patient.drugs.drug.month_of_form_completion:
  Min. 1st Qu.  Median      Mean 3rd Qu.  Max.    NA's
 1.000  2.000  3.000  4.024  5.000 12.000  452

patient.drugs.drug.number_cycles:
  Min. 1st Qu.  Median      Mean 3rd Qu.  Max.    NA's
  1.00   2.00   4.00   7.75   6.00  65.00  497

patient.drugs.drug.prescribed_dose:
  Min. 1st Qu.  Median      Mean 3rd Qu.  Max.    NA's
    0     25     50 644002     800 9000000  505

patient.drugs.drug.regimen_number:
  1  2  3  4 NA's
29  7  2  1 498

patient.drugs.drug.route_of_administrations.route_of_administration:
intravenous (iv)      oral subcutaneous (sc)      NA's
                   15                   36                   14                   472

patient.drugs.drug.route_of_administrations.route_of_administration.2:
oral NA's
  1 536

patient.drugs.drug.therapy_ongoing:
no  yes NA's
72  9 456

patient.drugs.drug.therapy_types.therapy_type:
chemotherapy      immunotherapy
                   18                          24
other, specify targeted molecular therapy
                   6                          36
NA's
                   453

patient.drugs.drug.therapy_types.therapy_type_notes:

```


biological therapy	clinical trial	su011248	NA's
3	1	1	532

patient.drugs.drug.total_dose_units:				
[iu]/kg	mg	mg/day	mg/wk	NA's
3	3	1	1	529

patient.drugs.drug.tx_on_clinical_trial:		
no	yes	NA's
12	1	524

patient.drugs.drug.year_of_form_completion:						
Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
2010	2011	2011	2011	2011	2015	452

patient.eastern_cancer_oncology_group:			
0	1	2	NA's
109	26	3	399

patient.erythrocyte_sedimentation_rate_result:		
elevated	normal	NA's
2	8	527

patient.ethnicity:			NA's
hispanic	or latino	not hispanic	or latino
26		359	152

patient.follow_ups.follow_up.2.additional_pharmaceutical_therapy:		
no	yes	NA's
24	12	501

patient.follow_ups.follow_up.2.additional_radiation_therapy:		
no	yes	NA's
23	13	501

patient.follow_ups.follow_up.2.additional_surgery_locoregional_procedure:		
no	yes	NA's
25	2	510

patient.follow_ups.follow_up.2.additional_surgery_metastatic_procedure:		
no	yes	NA's
24	5	508

patient.follow_ups.follow_up.2.day_of_form_completion:						
Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1.00	13.00	22.00	19.28	26.00	31.00	396

patient.follow_ups.follow_up.2.days_to_additional_surgery_locoregional_procedure:		
1646	2100	NA's

1 1 535

patient.follow_ups.follow_up.2.days_to_additional_surgery_metastatic_procedure:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
29	277	1441	1520	1912	3939	532

patient.follow_ups.follow_up.2.days_to_death:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
162	651	1003	1326	1912	3615	518

patient.follow_ups.follow_up.2.days_to_last_followup:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
16	963	1782	1978	2873	4537	416

patient.follow_ups.follow_up.2.days_to_new_tumor_event_after_initial_treatment:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
23.0	396.0	700.0	919.2	1189.0	3766.0	500

patient.follow_ups.follow_up.2.eastern_cancer_oncology_group:

0	1	3	NA's
13	4	1	519

patient.follow_ups.follow_up.2.followup_case_report_form_submission_reason:

additional new tumor event scheduled follow-up submission	2	117
NA's	418	

patient.follow_ups.follow_up.2.followup_treatment_success:

complete remission/response	partial remission/response
68	1
progressive disease	stable disease
11	6
NA's	
451	

patient.follow_ups.follow_up.2.karnofsky_performance_score:

80	90	100	NA's
1	3	5	528

patient.follow_ups.follow_up.2.lost_follow_up:

no	yes	NA's
84	5	448

patient.follow_ups.follow_up.2.month_of_form_completion:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1.00	3.00	3.00	4.95	7.00	11.00	396

patient.follow_ups.follow_up.2.new_tumor_event_after_initial_treatment:

no	yes	NA's
67	18	452


```

patient.follow_ups.follow_up.3.day_of_form_completion:
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.    NA's
  2.00  12.25   18.00   17.32  25.00   31.00    509

patient.follow_ups.follow_up.3.days_to_additional_surgery_metastatic_procedure:
  684  905 NA's
  1    1  535

patient.follow_ups.follow_up.3.days_to_death:
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.    NA's
 162.0  567.5   915.0 1246.3 1912.0 2564.0    527

patient.follow_ups.follow_up.3.days_to_last_followup:
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.    NA's
  511   1238   1522   1840   2671   3498    519

patient.follow_ups.follow_up.3.days_to_new_tumor_event_after_initial_treatment:
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.    NA's
  13.0  299.0   657.0   811.5 1227.0 2004.0    524

patient.follow_ups.follow_up.3.eastern_cancer_oncology_group:
  0    1 NA's
  4    2  531

patient.follow_ups.follow_up.3.followup_case_report_form_submission_reason:
  additional new tumor event scheduled follow-up submission
  2
  NA's
  520

patient.follow_ups.follow_up.3.followup_treatment_success:
complete remission/response      progressive disease
  9                                1
  stable disease                  NA's
  1                                526

patient.follow_ups.follow_up.3.karnofsky_performance_score:
  90 100 NA's
  3  2  532

patient.follow_ups.follow_up.3.lost_follow_up:
  no  yes NA's
  9   3  525

patient.follow_ups.follow_up.3.month_of_form_completion:
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.    NA's
  1.000  3.000   3.000   4.286  5.000  10.000    509

patient.follow_ups.follow_up.3.new_tumor_event_after_initial_treatment:
  no  yes NA's

```

9 2 526

patient.follow_ups.follow_up.3.performance_status_scale_timing:				
at recurrence/progression of disease				other
			1	2
		post secondary therapy		NA's
			1	533

patient.follow_ups.follow_up.3.person_neoplasm_cancer_status:			
tumor free with tumor	NA's		
10	17	510	

patient.follow_ups.follow_up.3.primary_therapy_outcome_success:		
complete remission/response	NA's	
8	529	

patient.follow_ups.follow_up.3.radiation_therapy:	
no NA's	
8	529

patient.follow_ups.follow_up.3.targeted_molecular_therapy:	
no NA's	
8	529

patient.follow_ups.follow_up.3.vital_status:			
alive dead NA's			
18	10	509	

patient.follow_ups.follow_up.3.year_of_form_completion:				
2011 2012 2014 2015 NA's				
11	1	11	5	509

patient.follow_ups.follow_up.4.additional_pharmaceutical_therapy:			
no yes NA's			
2	1	534	

patient.follow_ups.follow_up.4.additional_radiation_therapy:	
no NA's	
3	534

patient.follow_ups.follow_up.4.additional_surgery_locoregional_procedure:	
no NA's	
3	534

patient.follow_ups.follow_up.4.additional_surgery_metastatic_procedure:	
no NA's	
3	534

patient.follow_ups.follow_up.4.day_of_form_completion:			
2	18	30	31 NA's

2 1 1 1 532

patient.follow_ups.follow_up.4.days_to_death:

475 1912 NA's
1 2 534

patient.follow_ups.follow_up.4.days_to_last_followup:

1329 1398 NA's
1 1 535

patient.follow_ups.follow_up.4.days_to_new_tumor_event_after_initial_treatment:

454 1530 1709 NA's
1 1 1 534

patient.follow_ups.follow_up.4.eastern_cancer_oncology_group:

0 NA's
2 535

patient.follow_ups.follow_up.4.followup_case_report_form_submission_reason:

scheduled follow-up submission NA's
1 536

patient.follow_ups.follow_up.4.karnofsky_performance_score:

100 NA's
2 535

patient.follow_ups.follow_up.4.month_of_form_completion:

3 5 7 NA's
2 2 1 532

patient.follow_ups.follow_up.4.performance_status_scale_timing:

other NA's
2 535

patient.follow_ups.follow_up.4.person_neoplasm_cancer_status:

with tumor NA's
4 533

patient.follow_ups.follow_up.4.vital_status:

alive dead NA's
2 3 532

patient.follow_ups.follow_up.4.year_of_form_completion:

2011 NA's
5 532

patient.follow_ups.follow_up.additional_pharmaceutical_therapy:

no yes NA's
80 70 387

patient.follow_ups.follow_up.additional_radiation_therapy:

no yes NA's

112 39 386

patient.follow_ups.follow_up.additional_surgery_locoregional_procedure:

no yes NA's
143 16 378

patient.follow_ups.follow_up.additional_surgery_metastatic_procedure:

no yes NA's
125 30 382

patient.follow_ups.follow_up.day_of_form_completion:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1.00	10.00	15.00	15.51	22.00	31.00	8

patient.follow_ups.follow_up.days_to_additional_surgery_locoregional_procedure:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
100.0	251.2	429.5	762.4	783.2	2764.0	523

patient.follow_ups.follow_up.days_to_additional_surgery_metastatic_procedure:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
-43.0	162.0	425.0	560.5	745.5	2186.0	506

patient.follow_ups.follow_up.days_to_death:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
2.0	329.8	769.0	897.6	1350.0	2830.0	369

patient.follow_ups.follow_up.days_to_last_followup:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0	481	1280	1269	1874	3668	170

patient.follow_ups.follow_up.days_to_new_tumor_event_after_initial_treatment:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
-359.0	138.8	358.0	666.5	869.8	3250.0	423

patient.follow_ups.follow_up.eastern_cancer_oncology_group:

0	1	2	NA's
53	18	6	460

patient.follow_ups.follow_up.followup_case_report_form_submission_reason:

additional	new tumor event	scheduled follow-up	submission
		2	157
		NA's	
		378	

patient.follow_ups.follow_up.followup_treatment_success:

complete remission/response	partial remission/response
33	1
progressive disease	stable disease
4	4
NA's	

495

patient.follow_ups.follow_up.karnofsky_performance_score:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0.00	90.00	100.00	80.37	100.00	100.00	510

patient.follow_ups.follow_up.lost_follow_up:

no	yes	NA's
42	15	480

patient.follow_ups.follow_up.month_of_form_completion:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1.000	2.000	3.000	3.773	5.000	12.000	8

patient.follow_ups.follow_up.new_tumor_event_after_initial_treatment:

no	yes	NA's
41	4	492

patient.follow_ups.follow_up.performance_status_scale_timing:

at recurrence/progression of disease	other
52	35
post adjuvant therapy	post secondary therapy
2	4
NA's	
444	

patient.follow_ups.follow_up.person_neoplasm_cancer_status:

tumor free	with tumor	NA's
340	152	45

patient.follow_ups.follow_up.primary_therapy_outcome_success:

complete remission/response	partial remission/response
33	2
progressive disease	stable disease
3	3
NA's	
496	

patient.follow_ups.follow_up.radiation_therapy:

no	NA's
52	485

patient.follow_ups.follow_up.targeted_molecular_therapy:

no	yes	NA's
49	2	486

patient.follow_ups.follow_up.vital_status:

alive	dead	NA's
360	168	9

patient.follow_ups.follow_up.year_of_form_completion:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
------	---------	--------	------	---------	------	------

	2005	2011	2011	2011	2012	2015	8
patient.gender:							
female							
male							
	191	346					
patient.hemoglobin_result:							
elevated							NA's
low							
normal							
	5	263	186				83
patient.histological_type:							
kidney clear cell renal carcinoma							
							537
patient.history_of_neoadjuvant_treatment:							
no							
yes							
	519	18					
patient.icd_10:							
c64.9							
	537						
patient.icd_o_3_histology:							
8310/3							
8312/3							
	523	14					
patient.icd_o_3_site:							
c64.9							
	537						
patient.informed_consent_verified:							
yes							
	537						
patient.karnofsky_performance_score:							
Min.	1st Qu.	Median	Mean	3rd Qu.	Max.		NA's
0.0	90.0	90.0	88.3	100.0	100.0		490
patient.lactate_dehydrogenase_result:							
elevated							NA's
normal							
	12	74	451				
patient.laterality:							
bilateral							
left							
right							
	1	253	283				
patient.lymph_node_examined_count:							
Min.	1st Qu.	Median	Mean	3rd Qu.	Max.		NA's
1.000	2.000	4.000	6.298	9.000	30.000		403
patient.month_of_form_completion:							
Min.	1st Qu.	Median	Mean	3rd Qu.	Max.		

1.00 2.00 3.00 4.52 5.00 12.00

patient.new_tumor_events.new_tumor_event.additional_pharmaceutical_therapy:

no NA's

3 534

patient.new_tumor_events.new_tumor_event.additional_radiation_therapy:

no yes NA's

2 1 534

patient.new_tumor_events.new_tumor_event.days_to_new_tumor_event_after_initial_t

266 2008 NA's

1 1 535

patient.new_tumor_events.new_tumor_event.locoregional_procedure.additional_surge

no NA's

1 536

patient.new_tumor_events.new_tumor_event.metastatic_procedure.additional_surgery

no NA's

1 536

patient.new_tumor_events.new_tumor_event_after_initial_treatment:

no yes NA's

32 2 503

patient.number_of_lymphnodes_positive:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0.0000	0.0000	0.0000	0.3359	0.0000	15.0000	406

patient.number_pack_years_smoked:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
7.00	14.00	30.00	28.33	40.00	65.00	516

patient.performance_status_scale_timing:

other pre-operative NA's

13 96 428

patient.person_neoplasm_cancer_status:

tumor free with tumor NA's

364 145 28

patient.platelet_qualitative_result:

elevated low normal NA's

38 46 360 93

patient.primary_lymph_node_presentation_assessment:

no yes NA's

395 135 7

patient.radiations.radiation.2.month_of_form_completion:

3	4	5	11	NA's
6	2	5	1	523

patient.radiations.radiation.2.numfractions:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1.000	1.000	2.000	5.545	9.500	15.000	526

patient.radiations.radiation.2.radiation_dosage:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
30	1950	2450	2314	3075	3750	525

patient.radiations.radiation.2.radiation_treatment_ongoing:

no NA's
14 523

patient.radiations.radiation.2.radiation_type:

external	external beam	other: specify in notes
1	7	6
NA's		
523		

patient.radiations.radiation.2.radiation_type_notes:

not specified	stereotactic radiosurgery	stereotactic radiotherapy
1	3	1
whole brain radiation	NA's	
1	531	

patient.radiations.radiation.2.regimen_indication:

other: specify in notes	palliative	progression
1	4	7
recurrence	NA's	
1	524	

patient.radiations.radiation.2.regimen_indication_notes:

metastasis NA's
1 536

patient.radiations.radiation.2.units:

cgy NA's
12 525

patient.radiations.radiation.2.year_of_form_completion:

2010	2011	2012	2013	NA's
1	10	2	1	523

patient.radiations.radiation.3.anatomic_treatment_site:

distant recurrence	distant site	NA's
2	1	534

patient.radiations.radiation.3.bcr_radiation_barcode:

tcga-bp-4352-r11091	tcga-cj-4637-r9509	tcga-cj-4868-r9082	NA's
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1

1

1

534

patient.radiations.radiation.3.bcr_radiation_uid:
 0e294356-e8e1-4753-a8fa-147a165f223d 58fd569c-30ed-4a95-bf13-b8f9b37e1793
 1 1
 ebcc2afd-0aae-4616-996b-93b3e6bfa750 NA's
 1 534

patient.radiations.radiation.3.course_number:
 2 3 NA's
 1 2 534

patient.radiations.radiation.3.day_of_form_completion:
 3 13 25 NA's
 1 1 1 534

patient.radiations.radiation.3.days_to_radiation_therapy_end:
 188 277 1770 NA's
 1 1 1 534

patient.radiations.radiation.3.days_to_radiation_therapy_start:
 183 271 1755 NA's
 1 1 1 534

patient.radiations.radiation.3.month_of_form_completion:
 3 5 NA's
 2 1 534

patient.radiations.radiation.3.numfractions:
 3 5 NA's
 2 1 534

patient.radiations.radiation.3.radiation_dosage:
 360 2700 3000 NA's
 1 1 1 534

patient.radiations.radiation.3.radiation_treatment_ongoing:
 no NA's
 3 534

patient.radiations.radiation.3.radiation_type:
 external beam other: specify in notes NA's
 1 2 534

patient.radiations.radiation.3.radiation_type_notes:
 not specified stereotactic radiosurgery NA's
 1 1 535

patient.radiations.radiation.3.regimen_indication:
 palliative recurrence NA's
 2 1 534

```

patient.radiations.radiation.3.units:
  cgy NA's
    3 534

patient.radiations.radiation.3.year_of_form_completion:
  2011 NA's
    3 534

patient.radiations.radiation.4.anatomic_treatment_site:
  distant recurrence NA's
    1 536

patient.radiations.radiation.4.bcr_radiation_barcode:
  tcga-cj-4637-r9508 NA's
    1 536

patient.radiations.radiation.4.bcr_radiation_uuid:
  1e71eff3-84ec-469c-ab64-004c5f8d757c NA's
    1 536

patient.radiations.radiation.4.course_number:
  2 NA's
    1 536

patient.radiations.radiation.4.day_of_form_completion:
  25 NA's
    1 536

patient.radiations.radiation.4.days_to_radiation_therapy_end:
  1185 NA's
    1 536

patient.radiations.radiation.4.days_to_radiation_therapy_start:
  1174 NA's
    1 536

patient.radiations.radiation.4.month_of_form_completion:
  3 NA's
    1 536

patient.radiations.radiation.4.numfractions:
  10 NA's
    1 536

patient.radiations.radiation.4.radiation_dosage:
  300 NA's
    1 536

patient.radiations.radiation.4.radiation_treatment_ongoing:
  no NA's
    1 536

```

patient.radiations.radiation.4.radiation_type:
 external beam NA's
 1 536

patient.radiations.radiation.4.regimen_indication:
 palliative NA's
 1 536

patient.radiations.radiation.4.units:
 cgy NA's
 1 536

patient.radiations.radiation.4.year_of_form_completion:
 2011 NA's
 1 536

patient.radiations.radiation.5.anatomic_treatment_site:
 distant recurrence NA's
 1 536

patient.radiations.radiation.5.bcr_radiation_barcode:
 tcga-cj-4637-r9511 NA's
 1 536

patient.radiations.radiation.5.bcr_radiation_uuid:
 f89fed82-6f6b-4114-be5f-e2ed1c9ae196 NA's
 1 536

patient.radiations.radiation.5.course_number:
 5 NA's
 1 536

patient.radiations.radiation.5.day_of_form_completion:
 25 NA's
 1 536

patient.radiations.radiation.5.days_to_radiation_therapy_end:
 1918 NA's
 1 536

patient.radiations.radiation.5.days_to_radiation_therapy_start:
 1903 NA's
 1 536

patient.radiations.radiation.5.month_of_form_completion:
 3 NA's
 1 536

patient.radiations.radiation.5.numfractions:
 12 NA's
 1 536

patient.radiations.radiation.5.radiation_dosage:

3600 NA's

1 536

patient.radiations.radiation.5.radiation_treatment_ongoing:

no NA's

1 536

patient.radiations.radiation.5.radiation_type:

external beam NA's

1 536

patient.radiations.radiation.5.regimen_indication:

palliative NA's

1 536

patient.radiations.radiation.5.units:

cgy NA's

1 536

patient.radiations.radiation.5.year_of_form_completion:

2011 NA's

1 536

patient.radiations.radiation.anatomic_treatment_site:

distant recurrence distant site primary tumor field

4 47 1

NA's

485

patient.radiations.radiation.course_number:

1 2 3 6 NA's

24 3 1 1 508

patient.radiations.radiation.day_of_form_completion:

Min. 1st Qu. Median Mean 3rd Qu. Max. NA's

1.00 7.00 20.00 17.04 25.00 30.00 484

patient.radiations.radiation.days_to_radiation_therapy_end:

Min. 1st Qu. Median Mean 3rd Qu. Max. NA's

-156.0 115.2 271.0 490.2 711.5 2170.0 487

patient.radiations.radiation.days_to_radiation_therapy_start:

Min. 1st Qu. Median Mean 3rd Qu. Max. NA's

-163.0 103.0 298.0 482.5 704.0 2166.0 484

patient.radiations.radiation.measure_of_response:

partial response radiographic progressive disease

1 2

NA's

534


```

patient.radiations.radiation.month_of_form_completion:
  Min. 1st Qu.  Median    Mean 3rd Qu.  Max.  NA's
  1.000  3.000  4.000  4.057  5.000  11.000  484

patient.radiations.radiation.numfractions:
  Min. 1st Qu.  Median    Mean 3rd Qu.  Max.  NA's
  1.000  4.000  5.000  6.522  10.000  15.000  514

patient.radiations.radiation.radiation_dosage:
  Min. 1st Qu.  Median    Mean 3rd Qu.  Max.  NA's
  20    1800    3000    2860    3500    20000  500

patient.radiations.radiation.radiation_treatment_ongoing:
  no NA's
  52  485

patient.radiations.radiation.radiation_type:
  external          external beam other: specify in notes
  2                29                15
  NA's
  491

patient.radiations.radiation.regimen_indication:
  other: specify in notes    palliative    progression
  2                19                23
  recurrence                NA's
  3                490

patient.radiations.radiation.regimen_indication_notes:
  metastatic to bone
  1
  treatment of symptomatic brain metastases
  1
  NA's
  535

patient.radiations.radiation.units:
  cgy  gy NA's
  37   1  499

patient.radiations.radiation.year_of_form_completion:
  Min. 1st Qu.  Median    Mean 3rd Qu.  Max.  NA's
  2010  2011    2011    2011  2012    2015  484

patient.serum_calcium_result:
  elevated    low    normal    NA's
  10         204    151     172

patient.stage_event.pathologic_stage:
  stage i  stage ii  stage iii  stage iv
  270     57     126     84

```

patient.stage_event.system_version:

5th	6th	7th	NA's
5	73	92	367

patient.stage_event.tnm_categories.clinical_categories.clinical_m:

m0	m1	mx	NA's
22	3	8	504

patient.stage_event.tnm_categories.pathologic_categories.pathologic_m:

m0	m1	mx	NA's
426	79	30	2

patient.stage_event.tnm_categories.pathologic_categories.pathologic_n:

n0	n1	nx
240	17	280

patient.stopped_smoking_year:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1970	1983	1993	1995	2010	2012	524

patient.targeted_molecular_therapy:

no	yes	NA's
28	3	506

patient.tissue_prospective_collection_indicator:

no	yes	NA's
465	52	20

patient.tissue_retrospective_collection_indicator:

no	yes	NA's
53	466	18

patient.tumor_tissue_site:

kidney
537

patient.vital_status:

alive	dead
375	162

patient.white_cell_count_result:

elevated	low	normal	NA's
164	9	268	96

patient.year_of_form_completion:

2010	2011	2013	2014
130	372	16	19

patient.year_of_initial_pathologic_diagnosis:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.
1998	2004	2006	2006	2007	2013

patient.year_of_tobacco_smoking_onset:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1946	1966	1978	1979	1996	2001	525

patient.bcr_canonical_check.bcr_patient_canonical_reasons.bcr_canonical_reason.2

case matched methylation control	germline comparison
72	6
NA's	
459	

patient.bcr_canonical_check.bcr_patient_canonical_reasons.bcr_canonical_reason.3

germline comparison	NA's
7	530

patient.bcr_canonical_check.bcr_patient_canonical_status:

canonical	canonical - plus	non-canonical
94	442	1

patient.biospecimen_cqcf.consent_or_death_status:

consented	deceased
424	113

patient.biospecimen_cqcf.country:

united states	NA's
94	443

patient.biospecimen_cqcf.days_to_pathology_review:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1	944	1635	1565	2276	4541	36

patient.biospecimen_cqcf.days_to_sample_procurement:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.
-246.000	0.000	0.000	8.493	0.000	1248.000

patient.biospecimen_cqcf.digital_image_submitted:

no	yes
496	41

patient.biospecimen_cqcf.ethnicity:

hispanic or latino	not hispanic or latino	NA's
2	31	504

patient.biospecimen_cqcf.frozen_specimen_anatomic_site:

kidney
537

patient.biospecimen_cqcf.histological_type:

kidney clear cell renal carcinoma
537

patient.biospecimen_cqcf.history_of_neoadjuvant_treatment:
no
524
yes, pharmaceutical treatment prior to resection
9
yes, radiation prior to resection
4

patient.biospecimen_cqcf.laterality:
left right
255 282

patient.biospecimen_cqcf.maximum_tumor_dimension:
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
0.700 3.700 5.500 6.402 8.250 25.000 1

patient.biospecimen_cqcf.normal_controls.normal_control.2.days_to_normal_sample:
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
-20.000 0.000 0.000 9.258 0.000 129.000 506

patient.biospecimen_cqcf.normal_controls.normal_control.2.extracted_dna.ncedna_d:
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
0.0561 0.0945 0.2300 0.2152 0.3085 0.3910 531

patient.biospecimen_cqcf.normal_controls.normal_control.2.extracted_dna.ncedna_d:
nanodrop NA's
6 531

patient.biospecimen_cqcf.normal_controls.normal_control.2.extracted_dna.ncedna_d:
9.53 14.59 15 19.6 NA's
1 1 3 1 531

patient.biospecimen_cqcf.normal_controls.normal_control.2.extracted_dna.ncedna_d:
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
38.36 48.64 54.88 124.40 165.00 350.00 531

patient.biospecimen_cqcf.normal_controls.normal_control.2.normal_tissue.normal_t:
kidney kidney; medulla kidney; mixed NA's
9 1 6 521

patient.biospecimen_cqcf.normal_controls.normal_control.2.normal_tissue.normal_t:
distal (>2cm) NA's
16 521

patient.biospecimen_cqcf.normal_controls.normal_control.2.vial_number:
1 2 NA's

18 14 505

patient.biospecimen_cqcf.normal_controls.normal_control.3.bcr_sample_uuid:
 3c4f15d4-dcf6-4d60-b86c-6006f9051e54 NA's
 1 536

patient.biospecimen_cqcf.normal_controls.normal_control.3.days_to_normal_sample_
 0 NA's
 1 536

patient.biospecimen_cqcf.normal_controls.normal_control.3.method_of_normal_sampl
 laparoscopic radical nephrectomy NA's
 1 536

patient.biospecimen_cqcf.normal_controls.normal_control.3.normal_tissue.normal_t
 kidney NA's
 1 536

patient.biospecimen_cqcf.normal_controls.normal_control.3.normal_tissue.normal_t
 distal (>2cm) NA's
 1 536

patient.biospecimen_cqcf.normal_controls.normal_control.3.vial_number:
 1 NA's
 1 536

patient.biospecimen_cqcf.normal_controls.normal_control.days_to_normal_sample_pr
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 -501.00 0.00 0.00 16.94 0.00 2097.00 4

patient.biospecimen_cqcf.normal_controls.normal_control.extracted_dna.ncedna_dna
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 0.0379 0.1239 0.2190 16.9004 0.3000 717.7000 476

patient.biospecimen_cqcf.normal_controls.normal_control.extracted_dna.ncedna_dna
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 7.58 15.00 30.00 24.18 30.00 51.70 476

patient.biospecimen_cqcf.normal_controls.normal_control.extracted_dna.ncedna_dna
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 20.9 100.0 141.2 155.6 200.0 400.0 476

patient.biospecimen_cqcf.normal_controls.normal_control.normal_tissue.normal_tis
 kidney kidney; cortex kidney; medulla kidney; mixed NA's
 232 55 22 123 105

patient.biospecimen_cqcf.normal_controls.normal_control.normal_tissue.normal_tis
 distal (>2cm) NA's
 386 151

```
patient.biospecimen_cqcf.normal_controls.normal_control.vial_number:
  1      2 NA's
519    17    1
```

```
patient.biospecimen_cqcf.path_confirm_diagnosis_matching:
yes
537
```

```
patient.biospecimen_cqcf.path_confirm_report_attached:
no  yes NA's
32  504    1
```

```
patient.biospecimen_cqcf.path_confirm_tumor_necrosis_metrics:
no  yes NA's
10  508    19
```

```
patient.biospecimen_cqcf.path_confirm_tumor_nuclei_metrics:
yes
537
```

```
patient.biospecimen_cqcf.race:
black or african american          NA's
                                   35          502
```

```
patient.biospecimen_cqcf.sample_prescreened:
yes
537
```

```
patient.biospecimen_cqcf.site_of_disease:
kidney
537
```

```
patient.biospecimen_cqcf.submitted_for_lce:
no  yes NA's
45  1  491
```

```
patient.biospecimen_cqcf.top_slide_submitted:
no  yes
77  460
```

```
patient.biospecimen_cqcf.tumor_samples.tumor_sample.2.bcr_sample_uuid:
06f27ecd-7877-4452-87a7-a4fbdca570c 31bc9cec-2e1b-4797-bafb-9eb31cdee94d
                                   1                                   1
d7554387-d8bc-47b0-96cb-5ec27fa63f5d dd662d3e-e235-441c-af96-beb426beeda6
                                   1                                   1
                                   NA's
                                   533
```

```
patient.biospecimen_cqcf.tumor_samples.tumor_sample.2.tumor_necrosis_percent:
```

0 NA's
4 533

patient.biospecimen_cqcf.tumor_samples.tumor_sample.2.tumor_nuclei_percent:
70 80 NA's
1 3 533

patient.biospecimen_cqcf.tumor_samples.tumor_sample.2.tumor_weight:
30 80 136.5 240 NA's
1 1 1 1 533

patient.biospecimen_cqcf.tumor_samples.tumor_sample.2.vial_number:
2 NA's
4 533

patient.biospecimen_cqcf.tumor_samples.tumor_sample.tumor_necrosis_percent:
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
0.000 0.000 0.000 7.945 10.750 30.000 29

patient.biospecimen_cqcf.tumor_samples.tumor_sample.tumor_nuclei_percent:
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
50.00 70.00 85.00 82.68 90.00 100.00 1

patient.biospecimen_cqcf.tumor_samples.tumor_sample.tumor_weight:
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
60.0 215.8 275.0 347.8 400.0 2500.0 53

patient.biospecimen_cqcf.tumor_samples.tumor_sample.vial_number:
1 NA's
536 1

patient.biospecimen_cqcf.vessel_used:
biospecimen storage bag cassette cryomold
1 70 53
cryovial other (please specify)
159 254

patient.days_to_index:
0
537

patient.samples.sample.2.bcr_biospecimen_canonical_reasons.bcr_canonical_reason:
primary tumor and additional primary tumor(s)
1
NA's
536

patient.samples.sample.2.days_to_collection:
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's

patient.samples.sample.2.portions.portion.2.analytes.analyte.aliquots.aliquot.2.
0.13 NA's
1 536

patient.samples.sample.2.portions.portion.2.analytes.analyte.aliquots.aliquot.2.
12 NA's
1 536

patient.samples.sample.2.portions.portion.2.analytes.analyte.aliquots.aliquot.2.
no NA's
1 536

patient.samples.sample.2.portions.portion.2.analytes.analyte.aliquots.aliquot.2.
1 NA's
1 536

patient.samples.sample.2.portions.portion.2.analytes.analyte.aliquots.aliquot.2.
8 NA's
1 536

patient.samples.sample.2.portions.portion.2.analytes.analyte.aliquots.aliquot.2.
1503 NA's
1 536

patient.samples.sample.2.portions.portion.2.analytes.analyte.aliquots.aliquot.2.
a NA's
1 536

patient.samples.sample.2.portions.portion.2.analytes.analyte.aliquots.aliquot.2.
3.47 NA's
1 536

patient.samples.sample.2.portions.portion.2.analytes.analyte.aliquots.aliquot.2.
22 NA's
1 536

patient.samples.sample.2.portions.portion.2.analytes.analyte.aliquots.aliquot.2.
26.7 NA's
1 536

patient.samples.sample.2.portions.portion.2.analytes.analyte.aliquots.aliquot.2.
2011 NA's
1 536

patient.samples.sample.2.portions.portion.2.analytes.analyte.aliquots.aliquot.bo
tcga-cz-5456-11a-02r-1502-13 NA's
1 536

patient.samples.sample.2.portions.portion.2.analytes.analyte.aliquots.aliquot.bo
50d6cf7e-9339-4567-af25-a68aaf450816 NA's
1 536

patient.samples.sample.2.portions.portion.2.analytes.analyte.aliquots.aliquot.bi
1049967535 NA's
1 536

patient.samples.sample.2.portions.portion.2.analytes.analyte.aliquots.aliquot.ce
13 NA's
1 536

patient.samples.sample.2.portions.portion.2.analytes.analyte.aliquots.aliquot.co
0.13 NA's
1 536

patient.samples.sample.2.portions.portion.2.analytes.analyte.aliquots.aliquot.da
12 NA's
1 536

patient.samples.sample.2.portions.portion.2.analytes.analyte.aliquots.aliquot.is
no NA's
1 536

patient.samples.sample.2.portions.portion.2.analytes.analyte.aliquots.aliquot.mo
1 NA's
1 536

patient.samples.sample.2.portions.portion.2.analytes.analyte.aliquots.aliquot.pl
8 NA's
1 536

patient.samples.sample.2.portions.portion.2.analytes.analyte.aliquots.aliquot.pl
1502 NA's
1 536

patient.samples.sample.2.portions.portion.2.analytes.analyte.aliquots.aliquot.pl
a NA's
1 536

patient.samples.sample.2.portions.portion.2.analytes.analyte.aliquots.aliquot.qu
2.6 NA's
1 536

patient.samples.sample.2.portions.portion.2.analytes.analyte.aliquots.aliquot.so
22 NA's
1 536

patient.samples.sample.2.portions.portion.2.analytes.analyte.aliquots.aliquot.vo
20 NA's
1 536

patient.samples.sample.2.portions.portion.2.analytes.analyte.aliquots.aliquot.ye
2011 NA's
1 536

patient.samples.sample.2.portions.portion.2.analytes.analyte.amount:
 34.8 NA's
 1 536

patient.samples.sample.2.portions.portion.2.analytes.analyte.analyte_type:
 rna NA's
 1 536

patient.samples.sample.2.portions.portion.2.analytes.analyte.analyte_type_id:
 r NA's
 1 536

patient.samples.sample.2.portions.portion.2.analytes.analyte.bcr_analyte_barcode:
 tcga-cz-5456-11a-02r NA's
 1 536

patient.samples.sample.2.portions.portion.2.analytes.analyte.bcr_analyte_uuid:
 ff8a3de4-ed6-4428-bc11-adae16b28155 NA's
 1 536

patient.samples.sample.2.portions.portion.2.analytes.analyte.concentration:
 0.13 NA's
 1 536

patient.samples.sample.2.portions.portion.2.analytes.analyte.gel_image_file:
<https://sharedoc.nchri.org/tcga-bcr/default.aspx>
 1
 NA's
 536

patient.samples.sample.2.portions.portion.2.analytes.analyte.is_derived_from_ffp:
 no NA's
 1 536

patient.samples.sample.2.portions.portion.2.analytes.analyte.protocols.protocol:
 mirvana (allprep dna) rna NA's
 1 536

patient.samples.sample.2.portions.portion.2.analytes.analyte.rna.ratio_28s_18s:
 1.33 NA's
 1 536

patient.samples.sample.2.portions.portion.2.analytes.analyte.rna.rinvalue:
 8.3 NA's
 1 536

patient.samples.sample.2.portions.portion.2.analytes.analyte.spectrophotometer_m
 uv spec NA's
 1 536

patient.samples.sample.2.portions.portion.2.bcr_portion_barcode:
 tcga-cz-5456-11a-02 NA's

1 536

patient.samples.sample.2.portions.portion.2.bcr_portion_uuid:
 275b2ff3-ffff-4ea0-ade6-4ee32ad3f260 NA's
 1 536

patient.samples.sample.2.portions.portion.2.day_of_creation:
 27 NA's
 1 536

patient.samples.sample.2.portions.portion.2.is_ffpe:
 no NA's
 1 536

patient.samples.sample.2.portions.portion.2.month_of_creation:
 12 NA's
 1 536

patient.samples.sample.2.portions.portion.2.portion_number:
 2 NA's
 1 536

patient.samples.sample.2.portions.portion.2.slides.slide.bcr_slide_barcode:
 tcga-cz-5456-11a-01-ts1 NA's
 1 536

patient.samples.sample.2.portions.portion.2.slides.slide.bcr_slide_uuid:
 54113269-f3e4-4c5a-862e-71ea7289ea40 NA's
 1 536

patient.samples.sample.2.portions.portion.2.slides.slide.image_file_name:
 tcga-cz-5456-11a-01-ts1.54113269-f3e4-4c5a-862e-71ea7289ea40.svs
 1
 NA's
 536

patient.samples.sample.2.portions.portion.2.slides.slide.is_derived_from_ffpe:
 no NA's
 1 536

patient.samples.sample.2.portions.portion.2.slides.slide.section_location:
 top NA's
 1 536

patient.samples.sample.2.portions.portion.2.weight:
 36 NA's
 1 536

patient.samples.sample.2.portions.portion.2.year_of_creation:
 2010 NA's
 1 536

patient.samples.sample.2.portions.portion.analytes.analyte.2.a260_a280_ratio:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 1.500 1.800 1.800 1.785 1.800 1.880 468

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.2.
 fppp NA's
 4 533

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.2.
 tcga NA's
 4 533

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.2.
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 9.649e+07 9.649e+07 1.005e+08 4.293e+08 1.050e+09 1.050e+09 395

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.2.
 7 10 13 NA's
 64 74 4 395

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.2.
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 0.130 0.150 0.500 0.333 0.500 0.500 395

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.2.
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 5.00 5.00 12.00 11.44 13.00 30.00 395

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.2.
 no yes NA's
 138 4 395

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.2.
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 1.000 2.000 4.000 4.218 4.000 9.000 395

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.2.
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 4.000 7.000 9.000 8.648 10.000 12.000 395

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.2.
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 2.08 4.01 40.00 22.31 40.00 40.00 395

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.2.
 22 23 NA's
 137 5 395

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.2.
 13 20 26.7 80 NA's
 1 6 63 72 395

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.2.
 2010 2011 2012 2013 NA's
 72 63 2 5 395

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.3.
 tcga-b2-3924-01b-03r-a46x-36 tcga-b2-5633-01b-04r-a46x-36
 1 1
 tcga-b2-5635-01b-04r-a46x-36 NA's
 1 534

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.3.
 61eb1874-1e8e-4f02-a03d-71d727bb57fe e5629820-4944-4ec0-b158-f5ac416086dd
 1 1
 e84e348f-a7a3-45b6-93a8-3cb6ad911782 NA's
 1 534

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.3.
 167814209 167814210 167814222 NA's
 1 1 1 534

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.3.
 36 NA's
 3 534

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.3.
 0.15 0.17 NA's
 1 2 534

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.3.
 26 NA's
 3 534

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.3.
 yes NA's
 3 534

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.3.
 8 NA's
 3 534

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.3.
 6 7 NA's
 1 2 534

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.3.
 a46x NA's
 3 534

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patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.3.
  b   c NA's
  1   2 534

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.3.
0.75 0.85 NA's
  1   2 534

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.3.
 23 NA's
  3 534

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.3.
  5 NA's
  3 534

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.3.
2015 NA's
  3 534

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.ad
fppp NA's
  4 533

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.ad
tcga NA's
  4 533

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.bi
  Min.  1st Qu.  Median    Mean  3rd Qu.    Max.    NA's
9.649e+07 1.039e+08 1.087e+08 4.984e+08 1.050e+09 1.054e+09    5

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.ce
  7   8  10  13 NA's
  5  98 365  64   5

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.co
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.    NA's
0.1300 0.5000 0.5000 0.4548 0.5000 0.5000    5

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.da
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.    NA's
 1.00   8.00  20.00  15.32  25.00  31.00    5

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.is
  no  yes NA's
528   4   5

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.mo
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.    NA's

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1.000  3.000  10.000  7.611  11.000  12.000  5

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.pl
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.   NA's
1.000  6.000  9.000  7.902  10.000  12.000  5

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.qu
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.   NA's
1.86  40.00  40.00  35.19  40.00  40.00  5

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.so
  22  23 NA's
493  39  5

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.vo
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.   NA's
13.00  80.00  80.00  72.14  80.00  80.00  5

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.ye
2010 2011 2013 2014 NA's
350  143  15  24  5

patient.samples.sample.2.portions.portion.analytes.analyte.2.amount:
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.   NA's
0.0  96.2  159.0  139.3  173.0  209.0  39

patient.samples.sample.2.portions.portion.analytes.analyte.2.analyte_type:
repli-g (qiagen) dna repli-g x (qiagen) dna rna
          452          11          69
NA's
5

patient.samples.sample.2.portions.portion.analytes.analyte.2.analyte_type_id:
  r  w  x NA's
69 452 11  5

patient.samples.sample.2.portions.portion.analytes.analyte.2.concentration:
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.   NA's
0.1300 0.5000 0.5000 0.4517 0.5000 0.5000 39

patient.samples.sample.2.portions.portion.analytes.analyte.2.dna.normal_tumor_ge
yes NA's
463  74

patient.samples.sample.2.portions.portion.analytes.analyte.2.dna.pcr_amplificati
no yes NA's
429  34  74

```



```

patient.samples.sample.2.portions.portion.analytes.analyte.2.gel_image_file:
https://sharedoc.nchri.org/tcga-bcr/default.aspx
532
NA's
5

```

```

patient.samples.sample.2.portions.portion.analytes.analyte.2.is_derived_from_ffp
no yes NA's
528 4 5

```

```

patient.samples.sample.2.portions.portion.analytes.analyte.2.protocols.protocol.
highpure mirna (allprep dna) ffpe rna mirvana (allprep dna) rna
4 65
repli-g repli-g x
452 11
NA's
5

```

```

patient.samples.sample.2.portions.portion.analytes.analyte.2.rna.ratio_28s_18s:
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
0.000 1.290 1.450 1.376 1.570 1.940 468

```

```

patient.samples.sample.2.portions.portion.analytes.analyte.2.rna.rinvalue:
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
1.300 7.400 8.000 7.691 8.500 9.800 468

```

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patient.samples.sample.2.portions.portion.analytes.analyte.2.spectrophotometer_m
uv spec NA's
498 39

```

```

patient.samples.sample.2.portions.portion.analytes.analyte.2.subportion_sequence
1 NA's
1 536

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```

patient.samples.sample.2.portions.portion.analytes.analyte.3.aliquots.aliquot.2.
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
100521584 100521767 100521790 102204504 100521812 128286814 504

```

```

patient.samples.sample.2.portions.portion.analytes.analyte.3.aliquots.aliquot.2.
10 NA's
33 504

```

```

patient.samples.sample.2.portions.portion.analytes.analyte.3.aliquots.aliquot.2.
0.5 NA's
33 504

```

```

patient.samples.sample.2.portions.portion.analytes.analyte.3.aliquots.aliquot.2.
16 20 NA's
2 31 504

```

```

patient.samples.sample.2.portions.portion.analytes.analyte.3.aliquots.aliquot.2.
no NA's
33 504

patient.samples.sample.2.portions.portion.analytes.analyte.3.aliquots.aliquot.2.
5 9 NA's
2 31 504

patient.samples.sample.2.portions.portion.analytes.analyte.3.aliquots.aliquot.2.
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
6.000 7.000 9.000 8.424 10.000 11.000 504

patient.samples.sample.2.portions.portion.analytes.analyte.3.aliquots.aliquot.2.
1245 2279 NA's
31 2 504

patient.samples.sample.2.portions.portion.analytes.analyte.3.aliquots.aliquot.2.
10 40 NA's
2 31 504

patient.samples.sample.2.portions.portion.analytes.analyte.3.aliquots.aliquot.2.
22 NA's
33 504

patient.samples.sample.2.portions.portion.analytes.analyte.3.aliquots.aliquot.2.
20 80 NA's
2 31 504

patient.samples.sample.2.portions.portion.analytes.analyte.3.aliquots.aliquot.2.
2010 2012 NA's
31 2 504

patient.samples.sample.2.portions.portion.analytes.analyte.3.aliquots.aliquot.bi
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
1.005e+08 1.039e+08 1.039e+08 3.265e+08 1.040e+08 1.054e+09 265

patient.samples.sample.2.portions.portion.analytes.analyte.3.aliquots.aliquot.ce
8 10 NA's
46 226 265

patient.samples.sample.2.portions.portion.analytes.analyte.3.aliquots.aliquot.co
0.5 NA's
272 265

patient.samples.sample.2.portions.portion.analytes.analyte.3.aliquots.aliquot.da
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
1.00 2.00 8.00 12.64 25.00 25.00 265

patient.samples.sample.2.portions.portion.analytes.analyte.3.aliquots.aliquot.is

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```

no NA's
272 265

patient.samples.sample.2.portions.portion.analytes.analyte.3.aliquots.aliquot.mo
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.   NA's
  2.000  9.000 10.000  8.599 11.000 11.000   265

patient.samples.sample.2.portions.portion.analytes.analyte.3.aliquots.aliquot.pl
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.   NA's
  1.000  7.000  9.000  8.018 11.000 12.000   265

patient.samples.sample.2.portions.portion.analytes.analyte.3.aliquots.aliquot.qu
  40 NA's
272 265

patient.samples.sample.2.portions.portion.analytes.analyte.3.aliquots.aliquot.sc
  22 23 NA's
271  1 265

patient.samples.sample.2.portions.portion.analytes.analyte.3.aliquots.aliquot.vo
  80 NA's
272 265

patient.samples.sample.2.portions.portion.analytes.analyte.3.aliquots.aliquot.ye
2010 2011 2013 NA's
207  64  1 265

patient.samples.sample.2.portions.portion.analytes.analyte.3.amount:
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.   NA's
  40.0  147.5  160.0  153.6  173.0  296.0   266

patient.samples.sample.2.portions.portion.analytes.analyte.3.analyte_type:
  repli-g (qiagen) dna repli-g x (qiagen) dna                NA's
                67                                205                265

patient.samples.sample.2.portions.portion.analytes.analyte.3.analyte_type_id:
  w    x NA's
  67 205 265

patient.samples.sample.2.portions.portion.analytes.analyte.3.concentration:
  0.5 NA's
271 266

patient.samples.sample.2.portions.portion.analytes.analyte.3.dna.normal_tumor_ge
  yes NA's
272 265

patient.samples.sample.2.portions.portion.analytes.analyte.3.dna.pcr_amplificati

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no yes NA's
271 1 265

patient.samples.sample.2.portions.portion.analytes.analyte.3.gel_image_file:
https://sharedoc.nchri.org/tcga-bcr/default.aspx
272
NA's
265

patient.samples.sample.2.portions.portion.analytes.analyte.3.is_derived_from_ffp
no NA's
272 265

patient.samples.sample.2.portions.portion.analytes.analyte.3.protocols.protocol.
repli-g repli-g x NA's
67 205 265

patient.samples.sample.2.portions.portion.analytes.analyte.3.spectrophotometer_m
uv spec NA's
271 266

patient.samples.sample.2.portions.portion.analytes.analyte.3.subportion_sequence
1 NA's
1 536

patient.samples.sample.2.portions.portion.analytes.analyte.4.aliquots.aliquot.bo
tcga-ak-3440-10a-01x-1360-10 tcga-ak-3453-10a-01x-1360-10
1 1
NA's
535

patient.samples.sample.2.portions.portion.analytes.analyte.4.aliquots.aliquot.bo
8bf0b4c8-6d00-40d6-a8e3-0ac29f8ff83d b24c2fe3-37fc-49e8-8323-253953e42722
1 1
NA's
535

patient.samples.sample.2.portions.portion.analytes.analyte.4.aliquots.aliquot.bi
103950526 103950559 NA's
1 1 535

patient.samples.sample.2.portions.portion.analytes.analyte.4.aliquots.aliquot.ce
10 NA's
2 535

patient.samples.sample.2.portions.portion.analytes.analyte.4.aliquots.aliquot.co
0.5 NA's
2 535

patient.samples.sample.2.portions.portion.analytes.analyte.4.aliquots.aliquot.da
25 NA's
2 535

```

patient.samples.sample.2.portions.portion.analytes.analyte.4.aliquots.aliquot.is
no NA's
2 535

patient.samples.sample.2.portions.portion.analytes.analyte.4.aliquots.aliquot.mo
10 NA's
2 535

patient.samples.sample.2.portions.portion.analytes.analyte.4.aliquots.aliquot.pl
8 NA's
2 535

patient.samples.sample.2.portions.portion.analytes.analyte.4.aliquots.aliquot.pl
1360 NA's
2 535

patient.samples.sample.2.portions.portion.analytes.analyte.4.aliquots.aliquot.pl
a d NA's
1 1 535

patient.samples.sample.2.portions.portion.analytes.analyte.4.aliquots.aliquot.qu
40 NA's
2 535

patient.samples.sample.2.portions.portion.analytes.analyte.4.aliquots.aliquot.so
22 NA's
2 535

patient.samples.sample.2.portions.portion.analytes.analyte.4.aliquots.aliquot.vo
80 NA's
2 535

patient.samples.sample.2.portions.portion.analytes.analyte.4.aliquots.aliquot.ye
2010 NA's
2 535

patient.samples.sample.2.portions.portion.analytes.analyte.4.amount:
153 161 NA's
1 1 535

patient.samples.sample.2.portions.portion.analytes.analyte.4.analyte_type:
repli-g x (qiagen) dna NA's
2 535

patient.samples.sample.2.portions.portion.analytes.analyte.4.analyte_type_id:
x NA's
2 535

patient.samples.sample.2.portions.portion.analytes.analyte.4.bcr_analyte_barcode
tcga-ak-3440-10a-01x tcga-ak-3453-10a-01x NA's
1 1 535

```

patient.samples.sample.2.portions.portion.analytes.analyte.4.bcr_analyte_uuid:
65cb158d-0348-43db-b0fe-32d3c70447a1 6d9dca52-3b53-4c61-97fe-9a7947f1c0ed

1 1
NA's
535

patient.samples.sample.2.portions.portion.analytes.analyte.4.concentration:
0.5 NA's

2 535

patient.samples.sample.2.portions.portion.analytes.analyte.4.dna.normal_tumor_ge

yes NA's

2 535

patient.samples.sample.2.portions.portion.analytes.analyte.4.dna.pcr_amplificati

no NA's

2 535

patient.samples.sample.2.portions.portion.analytes.analyte.4.gel_image_file:

<https://sharedoc.nchri.org/tcga-bcr/default.aspx>

2
NA's
535

patient.samples.sample.2.portions.portion.analytes.analyte.4.is_derived_from_ffp

no NA's

2 535

patient.samples.sample.2.portions.portion.analytes.analyte.4.protocols.protocol.

repli-g x NA's

2 535

patient.samples.sample.2.portions.portion.analytes.analyte.4.spectrophotometer_m

uv spec NA's

2 535

patient.samples.sample.2.portions.portion.analytes.analyte.a260_a280_ratio:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0.400	1.900	1.900	1.896	1.900	2.300	41

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.2.ad

fppp NA's

3 534

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.2.ad

tcga NA's

3 534

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.2.bi

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
9.649e+07	1.040e+08	1.040e+08	2.876e+08	1.322e+08	1.050e+09	3

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.2.ce

1	2	5	10	NA's
399	59	31	45	3

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.2.co

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0.0700	0.1400	0.1500	0.1439	0.1500	0.1700	3

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.2.da

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
6.0	11.0	17.0	17.6	25.0	30.0	3

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.2.is

no	yes	NA's
531	3	3

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.2.mo

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1.000	3.000	9.000	6.878	10.000	12.000	3

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.2.pl

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1.000	7.000	8.000	8.118	10.000	12.000	3

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.2.qu

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0.870	1.000	1.000	1.415	1.130	4.270	3

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.2.sc

22	23	NA's
496	38	3

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.2.vo

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
6.67	6.67	6.67	10.76	6.70	40.00	3

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.2.ye

2010	2011	2013	2014	NA's
353	143	24	14	3

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.3.ad

fppp NA's
3 534

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.3.ad

tcga NA's
3 534

```

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.3.bi
  Min. 1st Qu.  Median      Mean 3rd Qu.  Max.  NA's
9.649e+07 1.040e+08 1.040e+08 2.966e+08 1.070e+08 1.050e+09      37

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.3.ce
  5   8  10 NA's
324 69 107 37

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.3.co
  Min. 1st Qu.  Median      Mean 3rd Qu.  Max.  NA's
0.0500 0.1100 0.1500 0.1235 0.1500 0.1700      37

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.3.da
  Min. 1st Qu.  Median      Mean 3rd Qu.  Max.  NA's
6.00  11.00  20.00  17.67  25.00  30.00      37

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.3.is
  no  yes NA's
497   3  37

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.3.mo
  Min. 1st Qu.  Median      Mean 3rd Qu.  Max.  NA's
1.000  4.000  9.000  7.132 10.000 11.000      37

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.3.pl
  Min. 1st Qu.  Median      Mean 3rd Qu.  Max.  NA's
1.000  7.000  8.000  8.236 10.000 12.000      37

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.3.qu
  Min. 1st Qu.  Median      Mean 3rd Qu.  Max.  NA's
0.870  2.000  3.740  3.147  4.010  4.540      37

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.3.so
  22  23 NA's
496   4  37

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.3.vo
  Min. 1st Qu.  Median      Mean 3rd Qu.  Max.  NA's
6.70  26.70  26.70  27.89  30.02  40.00      37

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.3.ye
2010 2011 2013 NA's
351  145   4  37

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.4.bi

```


Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
9.649e+07	1.039e+08	1.040e+08	2.586e+08	1.210e+08	1.050e+09	42

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.4.ce

	2	5	8	10	NA's
	2	68	143	282	42

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.4.co

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0.05000	0.05000	0.05000	0.08834	0.15000	0.17000	42

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.4.da

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1.00	9.00	21.00	16.76	22.00	28.00	42

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.4.is

no	yes	NA's
492	3	42

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.4.mo

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1.000	4.000	10.000	8.414	11.000	12.000	42

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.4.pl

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1.000	7.000	9.000	8.164	10.000	12.000	42

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.4.qu

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0.870	2.000	2.000	2.171	2.000	4.540	42

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.4.so

22	23	NA's
492	3	42

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.4.vo

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
6.70	20.00	40.00	30.84	40.00	60.00	42

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.4.ye

2010	2011	2012	2015	NA's
325	166	1	3	42

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.5.bi

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1.005e+08	1.210e+08	1.210e+08	1.295e+08	1.210e+08	1.062e+09	126

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.5.ce

1 8 10 NA's
2 52 357 126

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.5.co
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
0.0500 0.1400 0.1500 0.1344 0.1500 0.1700 126

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.5.da
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
8.00 21.00 21.00 19.71 21.00 27.00 126

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.5.is
no NA's
411 126

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.5.mo
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
4.00 12.00 12.00 11.55 12.00 12.00 126

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.5.pl
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
1.000 4.000 7.000 6.645 9.000 12.000 126

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.5.pl
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
1251 2094 2098 1982 2102 2279 126

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.5.qu
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
0.870 2.000 2.000 1.958 2.000 3.200 126

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.5.sc
22 NA's
411 126

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.5.vo
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
6.67 13.30 13.30 17.48 13.30 60.00 126

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.5.ye
2010 2011 2012 NA's
69 330 12 126

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.6.bi
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
1.040e+08 1.210e+08 1.210e+08 1.420e+08 1.283e+08 1.062e+09 433

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.6.ce
5 8 10 NA's

1 5 98 433

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.6.co

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0.0500	0.0500	0.1400	0.1153	0.1500	0.1700	433

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.6.da

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
9.00	16.00	21.00	19.13	21.00	25.00	433

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.6.is

no NA's
104 433

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.6.mo

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1.000	5.000	12.000	9.471	12.000	12.000	433

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.6.pl

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1.000	2.000	7.000	5.779	9.000	11.000	433

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.6.qu

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0.930	1.860	2.000	2.135	2.130	6.000	433

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.6.sc

22 23 NA's
100 4 433

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.6.vo

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
6.67	13.30	13.30	25.05	40.00	60.00	433

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.6.ye

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
2010	2011	2011	2011	2012	2015	433

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.7.bi

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1.210e+08	1.210e+08	1.210e+08	3.091e+08	1.210e+08	1.062e+09	532

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.7.ce

8 10 NA's
1 4 532

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.7.co

0.13 0.14 0.15 0.16 NA's

```

1      1      2      1  532

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.7.da
16    21 NA's
1      4  532

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.7.is
no NA's
5    532

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.7.mo
11    12 NA's
1      4  532

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.7.pl
2      9    11    12 NA's
1      1      1      2  532

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.7.pl
2048 2094 2095 2101 NA's
1      2      1      1  532

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.7.qu
0.93 1.73      2 2.13 NA's
1      1      2      1  532

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.7.so
22 NA's
5    532

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.7.vo
6.67 13.3 NA's
1      4  532

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.7.ye
2011 NA's
5    532

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.8.bo
tcga-bp-4977-11a-01d-2100-10 NA's
1                                536

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.8.bo
045f9ad4-55d4-4d70-9f0d-f8d56ad28e62 NA's
1                                536

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.8.bi
121029378 NA's
1            536

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.8.ce

```

10 NA's
1 536

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.8.co
0.14 NA's
1 536

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.8.da
21 NA's
1 536

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.8.is
no NA's
1 536

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.8.mo
12 NA's
1 536

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.8.pl
6 NA's
1 536

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.8.pl
2100 NA's
1 536

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.8.pl
c NA's
1 536

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.8.qu
1.86 NA's
1 536

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.8.sc
22 NA's
1 536

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.8.vo
13.3 NA's
1 536

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.8.ye
2011 NA's
1 536

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.addi
fppp NA's
4 533

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.addi

tcga NA's
4 533

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.bios
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
9.651e+07 1.039e+08 1.040e+08 2.888e+08 1.322e+08 1.054e+09 1

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.cent
1 2 8 10 NA's
135 396 1 4 1

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.conc
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
0.0700 0.1400 0.1500 0.1492 0.1500 0.5000 1

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.day_
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
6.00 11.00 17.00 17.46 25.00 30.00 1

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.is_d
no yes NA's
532 4 1

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.mont
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
1.000 3.000 9.000 6.849 10.000 12.000 1

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.plat
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
1.000 7.000 8.000 8.116 10.000 12.000 1

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.quant
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
0.870 1.140 2.000 1.801 2.000 40.000 1

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.sour
22 23 NA's
497 39 1

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.volu
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
6.67 6.70 13.30 11.81 13.30 80.00 1

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.year
2010 2011 2013 2014 NA's
353 144 25 14 1

patient.samples.sample.2.portions.portion.analytes.analyte.amount:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0.07	48.47	96.70	116.65	146.10	741.90	1

patient.samples.sample.2.portions.portion.analytes.analyte.analyte_type:

	dna repli-g (qiagen)	dna	NA's
535		1	1

patient.samples.sample.2.portions.portion.analytes.analyte.analyte_type_id:

d	w	NA's
535	1	1

patient.samples.sample.2.portions.portion.analytes.analyte.concentration:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0.1300	0.1400	0.1500	0.1498	0.1500	0.5000	1

patient.samples.sample.2.portions.portion.analytes.analyte.dna.normal_tumor_genotype:

yes	NA's
536	1

patient.samples.sample.2.portions.portion.analytes.analyte.dna.pcr_amplification:

no	yes	NA's
429	107	1

patient.samples.sample.2.portions.portion.analytes.analyte.gel_image_file:

https://sharedoc.nchri.org/tcga-bcr/default.aspx	536	NA's
		1

patient.samples.sample.2.portions.portion.analytes.analyte.is_derived_from_ffpe:

no	yes	NA's
532	4	1

patient.samples.sample.2.portions.portion.analytes.analyte.spectrophotometer_method:

picogreen	uv spec	NA's
39	497	1

patient.samples.sample.2.portions.portion.analytes.analyte.subportion_sequence:

1	NA's
1	536

patient.samples.sample.2.portions.portion.day_of_creation:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
2.00	10.00	17.00	17.17	25.00	31.00	1

patient.samples.sample.2.portions.portion.is_ffpe:

no	yes	NA's

532 4 1

patient.samples.sample.2.portions.portion.month_of_creation:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1.000	3.000	8.000	6.653	9.000	12.000	1

patient.samples.sample.2.portions.portion.portion_number:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1.000	1.000	1.000	1.069	1.000	11.000	1

patient.samples.sample.2.portions.portion.portion_sequence:

1	3	4	10	NA's
42	1	2	1	491

patient.samples.sample.2.portions.portion.slides.slide.2.is_derived_from_ffpe:

no	yes	NA's
114	4	419

patient.samples.sample.2.portions.portion.slides.slide.2.percent_lymphocyte_infi

1	2	3	NA's
1	1	2	533

patient.samples.sample.2.portions.portion.slides.slide.2.percent_monocyte_infilt

0	1	NA's
1	3	533

patient.samples.sample.2.portions.portion.slides.slide.2.percent_necrosis:

0	NA's
4	533

patient.samples.sample.2.portions.portion.slides.slide.2.percent_neutrophil_infi

0	1	NA's
3	1	533

patient.samples.sample.2.portions.portion.slides.slide.2.percent_normal_cells:

0	NA's
4	533

patient.samples.sample.2.portions.portion.slides.slide.2.percent_stromal_cells:

10	20	40	NA's
1	2	1	533

patient.samples.sample.2.portions.portion.slides.slide.2.percent_tumor_cells:

60	80	90	NA's
1	2	1	533

patient.samples.sample.2.portions.portion.slides.slide.2.percent_tumor_nuclei:

70	92	NA's
1	3	533


```
patient.samples.sample.2.portions.portion.slides.slide.2.section_location:
bottom    top    NA's
      3    115    419
```

```
patient.samples.sample.2.portions.portion.slides.slide.is_derived_from_ffpe:
no  yes NA's
421  4  112
```

```
patient.samples.sample.2.portions.portion.slides.slide.percent_lymphocyte_infiltration:
Min. 1st Qu.  Median    Mean 3rd Qu.    Max.    NA's
  0      1      2      2      3      4     532
```

```
patient.samples.sample.2.portions.portion.slides.slide.percent_monocyte_infiltration:
0  1 NA's
2  3 532
```

```
patient.samples.sample.2.portions.portion.slides.slide.percent_necrosis:
0 NA's
5 532
```

```
patient.samples.sample.2.portions.portion.slides.slide.percent_neutrophil_infiltration:
0  1 NA's
3  2 532
```

```
patient.samples.sample.2.portions.portion.slides.slide.percent_normal_cells:
0 NA's
5 532
```

```
patient.samples.sample.2.portions.portion.slides.slide.percent_stromal_cells:
15 18 22 30 NA's
 2  1  1  1 532
```

```
patient.samples.sample.2.portions.portion.slides.slide.percent_tumor_cells:
70 78 82 85 NA's
 1  1  1  2 532
```

```
patient.samples.sample.2.portions.portion.slides.slide.percent_tumor_nuclei:
75 90 95 NA's
 1  3  1 532
```

```
patient.samples.sample.2.portions.portion.slides.slide.section_location:
bottom    top    NA's
    115    310    112
```

```
patient.samples.sample.2.portions.portion.weight:
Min. 1st Qu.  Median    Mean 3rd Qu.    Max.    NA's
1.00  32.00   36.00  45.71  39.00  400.00    96
```

patient.samples.sample.2.portions.portion.year_of_creation:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
2010	2010	2010	2010	2010	2014	1

patient.samples.sample.2.portions.shipment_portion.bcr_shipment_portion_uuid:

f7ad17e2-0024-4664-bc64-9273e9096366	NA's
1	536

patient.samples.sample.2.portions.shipment_portion.center_id:

20	NA's
1	536

patient.samples.sample.2.portions.shipment_portion.is_ffpe:

no	NA's
1	536

patient.samples.sample.2.portions.shipment_portion.plate_id:

1741	NA's
1	536

patient.samples.sample.2.portions.shipment_portion.portion_number:

21	NA's
1	536

patient.samples.sample.2.portions.shipment_portion.shipment_portion_bcr_aliquot_

tcga-cz-5459-01b-21-1741-20	NA's
1	536

patient.samples.sample.2.portions.shipment_portion.shipment_portion_day_of_shipm

4	NA's
1	536

patient.samples.sample.2.portions.shipment_portion.shipment_portion_month_of_shi

5	NA's
1	536

patient.samples.sample.2.portions.shipment_portion.shipment_portion_year_of_ship

2011	NA's
1	536

patient.samples.sample.2.sample_type:

additional - new primary	blood derived normal	primary tumor
1	111	5
solid tissue normal		
420		

patient.samples.sample.2.sample_type_id:

1	5	10	11
5	1	111	420

patient.samples.sample.2.shortest_dimension:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
------	---------	--------	------	---------	------	------

0.1000 0.2000 0.3000 0.3618 0.4000 1.3000 116

patient.samples.sample.2.vial_number:

a b
530 7

patient.samples.sample.3.bcr_biospecimen_canonical_reasons.bcr_canonical_reason:

germline comparison NA's
3 534

patient.samples.sample.3.days_to_collection:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
141.0	243.0	400.0	576.2	416.0	1681.0	532

patient.samples.sample.3.initial_weight:

50	410	980	NA's
2	1	1	533

patient.samples.sample.3.intermediate_dimension:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0.5000	0.8000	0.8000	0.7929	0.9000	0.9000	523

patient.samples.sample.3.is_ffpe:

no NA's
23 514

patient.samples.sample.3.longest_dimension:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0.600	1.075	1.450	1.536	1.925	2.600	523

patient.samples.sample.3.oct_embedded:

false NA's
5 532

patient.samples.sample.3.portions.portion.analytes.analyte.2.a260_a280_ratio:

1.8 NA's
7 530

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.2.

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1.005e+08	1.087e+08	1.050e+09	7.357e+08	1.054e+09	1.054e+09	528

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.2.

7	10	NA's
7	2	528

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.2.

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
------	---------	--------	------	---------	------	------

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0.1300 0.1500 0.1500 0.2267 0.1600 0.5000 528

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.2.
  9  11  13  20 NA's
  3   3   1   2 528

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.2.
no NA's
  9 528

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.2.
  2   4   5   9 NA's
  3   1   3   2 528

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.2.
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.    NA's
 5.000  6.000  7.000  7.556 10.000 10.000   528

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.2.
1244 1541 1672 1758 NA's
  2   3   1   3 528

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.2.
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.    NA's
 2.00   2.13   3.74  11.28   4.01  40.00   528

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.2.
22 NA's
  9 528

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.2.
13.3 26.7  80 NA's
  3   4   2 528

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.2.
2010 2011 NA's
  2   7 528

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.bi
  Min.  1st Qu.  Median    Mean  3rd Qu.    Max.    NA's
1.005e+08 1.561e+08 1.050e+09 6.839e+08 1.050e+09 1.054e+09   517

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.ce
  8  10  13 NA's
  2  11   7 517

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.co
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.    NA's
0.1300 0.1575 0.5000 0.3770 0.5000 0.5000   517

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patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.da
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.   NA's
  2.00   5.75   9.00   11.20  14.75   26.00   517

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.is
no NA's
20 517

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.mo
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.   NA's
  2.0    2.0    3.0    3.8    5.0    9.0    517

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.pl
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.   NA's
  1.00   5.00   6.00   6.25   7.25   12.00   517

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.qu
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.   NA's
  2.60   3.15  40.00   27.04  40.00   40.00   517

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.so
22 23 NA's
15  5 517

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.vo
20 80 NA's
 7 13 517

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.ye
2010 2011 2013 2014 NA's
  2   13   2   3 517

patient.samples.sample.3.portions.portion.analytes.analyte.2.amount:
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.   NA's
 38.80  62.85 133.70 111.95 157.00 173.00   522

patient.samples.sample.3.portions.portion.analytes.analyte.2.analyte_type:
repli-g (qiagen) dna                      rna                      NA's
                   13                      7                      517

patient.samples.sample.3.portions.portion.analytes.analyte.2.analyte_type_id:
  r    w NA's
 7   13 517

patient.samples.sample.3.portions.portion.analytes.analyte.2.concentration:
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.   NA's
 0.130  0.150  0.500  0.336  0.500  0.500   522

```

patient.samples.sample.3.portions.portion.analytes.analyte.2.dna.normal_tumor_ge
 yes NA's
 13 524

patient.samples.sample.3.portions.portion.analytes.analyte.2.dna.pcr_amplificati
 no yes NA's
 8 5 524

patient.samples.sample.3.portions.portion.analytes.analyte.2.gel_image_file:
<https://sharedoc.nchri.org/tcga-bcr/default.aspx>
 20
 NA's
 517

patient.samples.sample.3.portions.portion.analytes.analyte.2.is_derived_from_ffp
 no NA's
 20 517

patient.samples.sample.3.portions.portion.analytes.analyte.2.protocols.protocol.
 mirvana (allprep dna) rna repli-g NA's
 7 13 517

patient.samples.sample.3.portions.portion.analytes.analyte.2.rna.ratio_28s_18s:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 1.100 1.250 1.490 1.404 1.520 1.700 530

patient.samples.sample.3.portions.portion.analytes.analyte.2.rna.rinvalue:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 7.200 7.350 8.000 7.943 8.350 9.000 530

patient.samples.sample.3.portions.portion.analytes.analyte.2.spectrophotometer_m
 uv spec NA's
 15 522

patient.samples.sample.3.portions.portion.analytes.analyte.2.subportion_sequence
 1 NA's
 4 533

patient.samples.sample.3.portions.portion.analytes.analyte.3.aliquots.aliquot.2.
 tcga-b2-4098-11a-01x-1245-10 tcga-b2-4099-11a-01x-1245-10
 1 1
 NA's
 535

patient.samples.sample.3.portions.portion.analytes.analyte.3.aliquots.aliquot.2.
 aa22c743-8832-4b67-ae8a-1deb52864ad7 cfc9ca86-4391-4664-bff8-6d6fe318e7fa
 1 1
 NA's
 535

patient.samples.sample.3.portions.portion.analytes.analyte.3.aliquots.aliquot.2.

100521573 100521752 NA's
1 1 535

patient.samples.sample.3.portions.portion.analytes.analyte.3.aliquots.aliquot.2.
10 NA's
2 535

patient.samples.sample.3.portions.portion.analytes.analyte.3.aliquots.aliquot.2.
0.5 NA's
2 535

patient.samples.sample.3.portions.portion.analytes.analyte.3.aliquots.aliquot.2.
20 NA's
2 535

patient.samples.sample.3.portions.portion.analytes.analyte.3.aliquots.aliquot.2.
no NA's
2 535

patient.samples.sample.3.portions.portion.analytes.analyte.3.aliquots.aliquot.2.
9 NA's
2 535

patient.samples.sample.3.portions.portion.analytes.analyte.3.aliquots.aliquot.2.
7 8 NA's
1 1 535

patient.samples.sample.3.portions.portion.analytes.analyte.3.aliquots.aliquot.2.
1245 NA's
2 535

patient.samples.sample.3.portions.portion.analytes.analyte.3.aliquots.aliquot.2.
a g NA's
1 1 535

patient.samples.sample.3.portions.portion.analytes.analyte.3.aliquots.aliquot.2.
40 NA's
2 535

patient.samples.sample.3.portions.portion.analytes.analyte.3.aliquots.aliquot.2.
22 NA's
2 535

patient.samples.sample.3.portions.portion.analytes.analyte.3.aliquots.aliquot.2.
80 NA's
2 535

patient.samples.sample.3.portions.portion.analytes.analyte.3.aliquots.aliquot.2.
2010 NA's
2 535

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patient.samples.sample.3.portions.portion.analytes.analyte.3.aliquots.aliquot.bi
  Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
1.005e+08 3.379e+08 1.050e+09 7.342e+08 1.050e+09 1.054e+09 531

patient.samples.sample.3.portions.portion.analytes.analyte.3.aliquots.aliquot.ce
  8 10 NA's
  3 3 531

patient.samples.sample.3.portions.portion.analytes.analyte.3.aliquots.aliquot.co
  0.5 NA's
  6 531

patient.samples.sample.3.portions.portion.analytes.analyte.3.aliquots.aliquot.da
  2 9 20 NA's
  3 1 2 531

patient.samples.sample.3.portions.portion.analytes.analyte.3.aliquots.aliquot.is
  no NA's
  6 531

patient.samples.sample.3.portions.portion.analytes.analyte.3.aliquots.aliquot.mo
  3 5 9 NA's
  3 1 2 531

patient.samples.sample.3.portions.portion.analytes.analyte.3.aliquots.aliquot.pl
  1 7 8 9 NA's
  3 1 1 1 531

patient.samples.sample.3.portions.portion.analytes.analyte.3.aliquots.aliquot.pl
1243 1585 1746 NA's
  2 3 1 531

patient.samples.sample.3.portions.portion.analytes.analyte.3.aliquots.aliquot.qu
  40 NA's
  6 531

patient.samples.sample.3.portions.portion.analytes.analyte.3.aliquots.aliquot.so
  22 NA's
  6 531

patient.samples.sample.3.portions.portion.analytes.analyte.3.aliquots.aliquot.vo
  80 NA's
  6 531

patient.samples.sample.3.portions.portion.analytes.analyte.3.aliquots.aliquot.ye
2010 2011 NA's
  2 4 531

patient.samples.sample.3.portions.portion.analytes.analyte.3.amount:
  Min. 1st Qu. Median Mean 3rd Qu. Max. NA's

```


81.0 99.0 150.0 132.3 154.5 175.0 531

patient.samples.sample.3.portions.portion.analytes.analyte.3.analyte_type:
 repli-g (qiagen) dna repli-g x (qiagen) dna NA's
 4 2 531

patient.samples.sample.3.portions.portion.analytes.analyte.3.analyte_type_id:
 w x NA's
 4 2 531

patient.samples.sample.3.portions.portion.analytes.analyte.3.concentration:
 0.5 NA's
 6 531

patient.samples.sample.3.portions.portion.analytes.analyte.3.dna.normal_tumor_ge
 yes NA's
 6 531

patient.samples.sample.3.portions.portion.analytes.analyte.3.dna.pcr_amplificati
 no NA's
 6 531

patient.samples.sample.3.portions.portion.analytes.analyte.3.gel_image_file:
<https://sharedoc.nchri.org/tcga-bcr/default.aspx>
 6
 NA's
 531

patient.samples.sample.3.portions.portion.analytes.analyte.3.is_derived_from_ffp
 no NA's
 6 531

patient.samples.sample.3.portions.portion.analytes.analyte.3.protocols.protocol.
 repli-g repli-g x NA's
 4 2 531

patient.samples.sample.3.portions.portion.analytes.analyte.3.spectrophotometer_m
 uv spec NA's
 6 531

patient.samples.sample.3.portions.portion.analytes.analyte.a260_a280_ratio:
 1.9 NA's
 18 519

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.2.bi
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 1.005e+08 1.204e+08 1.050e+09 6.072e+08 1.050e+09 1.050e+09 514

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.2.ce
 1 2 10 NA's
 10 8 5 514

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.2.co
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 0.0700 0.1500 0.1500 0.1396 0.1600 0.1700 514

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.2.da
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 7.00 9.00 12.00 13.83 16.00 30.00 514

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.2.is
 no NA's
 23 514

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.2.mo
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 1.000 2.000 2.000 4.826 9.000 12.000 514

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.2.pl
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 1.000 2.500 6.000 6.348 10.500 12.000 514

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.2.qu
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 1.000 1.070 2.000 1.855 2.130 3.200 514

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.2.so
 22 23 NA's
 18 5 514

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.2.vo
 6.67 6.7 13.3 40 NA's
 8 2 8 5 514

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.2.ye
 2010 2011 2013 NA's
 5 13 5 514

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.3.bi
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 1.005e+08 1.047e+08 1.050e+09 7.344e+08 1.050e+09 1.050e+09 519

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.3.ce
 5 8 10 NA's
 7 3 8 519

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.3.co
 0.05 0.15 0.16 NA's
 11 2 5 519

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.3.da
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 7.00 9.00 9.00 11.67 13.75 25.00 519

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.3.is
 no NA's
 18 519

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.3.mo
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 1.000 2.000 2.000 3.278 2.000 12.000 519

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.3.pl
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 1.000 2.000 6.500 6.278 11.000 12.000 519

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.3.pl
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 1186 1468 1534 1491 1535 1669 519

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.3.qu
 2 4.01 4.27 NA's
 11 2 5 519

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.3.so
 22 NA's
 18 519

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.3.vo
 26.7 40 NA's
 7 11 519

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.3.ye
 2010 2011 NA's
 3 15 519

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.4.bi
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 1.005e+08 1.051e+08 1.050e+09 6.313e+08 1.050e+09 1.050e+09 519

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.4.ce
 5 8 10 NA's
 7 6 5 519

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.4.co

0.05 0.15 0.16 NA's
7 5 6 519

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.4.da
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
7.00 9.00 10.50 12.44 14.00 21.00 519

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.4.is
no NA's
18 519

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.4.mo
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
1.000 2.000 2.000 3.944 3.500 12.000 519

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.4.pl
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
1.000 5.000 6.500 6.889 11.000 12.000 519

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.4.pl
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
1250 1470 1536 1563 1553 2103 519

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.4.qu
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
1.600 2.000 2.000 2.788 4.010 4.270 519

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.4.so
22 NA's
18 519

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.4.vo
10 13.3 26.7 40 NA's
2 2 7 7 519

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.4.ye
2010 2011 NA's
2 16 519

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.5.ad
fppp NA's
4 533

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.5.ad
tcga NA's
4 533

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.5.bo
ffpe validation NA's

4

533

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.5.bi

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1.005e+08	1.210e+08	1.210e+08	2.751e+08	1.322e+08	1.050e+09	519

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.5.ce

10 NA's
18 519

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.5.co

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0.0500	0.0800	0.1500	0.1156	0.1575	0.1600	519

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.5.da

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
7.00	13.25	20.00	17.17	21.00	21.00	519

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.5.is

no NA's
18 519

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.5.mo

2 3 9 12 NA's
4 4 2 8 519

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.5.pl

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
2.000	6.000	7.000	7.111	8.000	10.000	519

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.5.qu

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1.070	1.650	2.000	1.841	2.000	2.130	519

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.5.so

22 23 NA's
14 4 519

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.5.vo

6.7 13.3 20 40 NA's
2 8 4 4 519

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.5.ye

2010 2011 2013 NA's
2 12 4 519

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.6.ad

fppp NA's
3 534

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.6.ad
tcga NA's
3 534

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.6.bo
ffpe validation NA's
3 534

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.6.bi
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
120998803 120998865 121030200 129136966 141328464 145675713 527

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.6.ce
1 10 NA's
3 7 527

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.6.co
0.05 0.15 0.16 NA's
1 2 7 527

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.6.da
14 16 21 NA's
3 1 6 527

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.6.is
no NA's
10 527

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.6.mo
3 5 12 NA's
3 1 6 527

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.6.pl
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
4.00 5.25 8.00 7.10 8.00 10.00 527

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.6.pl
2095 2096 2279 a274 NA's
4 2 1 3 527

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.6.qu
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
1.010 1.302 2.130 1.880 2.130 3.000 527

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.6.so
22 23 NA's
7 3 527

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.6.vo

```

6.7 13.3 60 NA's
3 6 1 527

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.6.ye
2011 2012 2013 NA's
6 1 3 527

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.7.bo
tcga-b2-3924-10a-01d-a46w-08 tcga-b2-5633-10a-01d-a46w-08
1 1
tcga-b2-5635-10a-01d-a46w-08 NA's
1 534

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.7.bo
1ba8a90f-b20e-4457-9e6e-5879934494cd 1e5aa7c1-197a-4452-921a-95216167282f
1 1
5e5a9c17-1500-4fa1-848c-122e1252b0fe NA's
1 534

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.7.bi
132179141 145674240 145674241 NA's
1 1 1 534

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.7.ce
8 NA's
3 534

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.7.co
0.08 NA's
3 534

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.7.da
3 NA's
3 534

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.7.is
no NA's
3 534

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.7.mo
8 NA's
3 534

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.7.pl
8 9 NA's
1 2 534

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.7.pl
a46w NA's
3 534

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.7.pl

```

```

b     e     g NA's
1     1     1  534

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.7.qu
1.6 NA's
3  534

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.7.so
23 NA's
3  534

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.7.vo
20 NA's
3  534

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.7.ye
2015 NA's
3  534

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.bios
      Min.   1st Qu.   Median     Mean   3rd Qu.     Max.      NA's
1.005e+08 1.204e+08 1.050e+09 6.072e+08 1.050e+09 1.050e+09      514

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.cent
1      2 NA's
13    10  514

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.conc
0.15 0.16 0.17 NA's
9    12    2  514

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.day_
      Min. 1st Qu.  Median     Mean 3rd Qu.     Max.      NA's
7.00    9.00   12.00   14.48  21.00   30.00     514

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.is_d
no NA's
23  514

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.mont
      Min. 1st Qu.  Median     Mean 3rd Qu.     Max.      NA's
1.000    2.000    2.000    4.826    9.000   12.000     514

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.plat
      Min. 1st Qu.  Median     Mean 3rd Qu.     Max.      NA's
1.000    2.500    6.000    6.348   10.500   12.000     514

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.quant

```


Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1.000	1.040	1.070	1.505	2.130	2.260	514

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.sources

22	23	NA's
18	5	514

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.volumes

6.67	6.7	13.3	NA's
8	5	10	514

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.years

2010	2011	2013	NA's
5	13	5	514

patient.samples.sample.3.portions.portion.analytes.analyte.amount:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
16.37	41.85	107.40	166.89	212.30	487.40	514

patient.samples.sample.3.portions.portion.analytes.analyte.analyte_type:

dna	NA's
23	514

patient.samples.sample.3.portions.portion.analytes.analyte.analyte_type_id:

d	NA's
23	514

patient.samples.sample.3.portions.portion.analytes.analyte.concentration:

0.15	0.16	0.17	NA's
9	12	2	514

patient.samples.sample.3.portions.portion.analytes.analyte.dna.normal_tumor_genotypes

yes	NA's
23	514

patient.samples.sample.3.portions.portion.analytes.analyte.dna.pcr_amplification

no	yes	NA's
16	7	514

patient.samples.sample.3.portions.portion.analytes.analyte.gel_image_file:

https://sharedoc.nchri.org/tcga-bcr/default.aspx
23
NA's
514

patient.samples.sample.3.portions.portion.analytes.analyte.is_derived_from_ffpe:

no	NA's
23	514

patient.samples.sample.3.portions.portion.analytes.analyte.protocols.protocol.experimental

adna preparation type	chemical lysis dna extraction
18	4
pre-extracted dna received by tss	NA's
1	514

patient.samples.sample.3.portions.portion.analytes.analyte.spectrophotometer_method	picogreen	uv spec	NA's
5	18	514	

patient.samples.sample.3.portions.portion.analytes.analyte.subportion_sequence:
1 NA's
4 533

patient.samples.sample.3.portions.portion.day_of_creation:
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
6.00 16.50 24.00 22.26 28.00 30.00 514

patient.samples.sample.3.portions.portion.is_ffpe:
no NA's
23 514

patient.samples.sample.3.portions.portion.month_of_creation:
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
1.000 6.000 11.000 8.522 12.000 12.000 514

patient.samples.sample.3.portions.portion.portion_number:
1 11 NA's
19 4 514

patient.samples.sample.3.portions.portion.portion_sequence:
1 NA's
8 529

patient.samples.sample.3.portions.portion.slides.slide.2.is_derived_from_ffpe:
no NA's
6 531

patient.samples.sample.3.portions.portion.slides.slide.2.section_location:
top NA's
6 531

patient.samples.sample.3.portions.portion.slides.slide.is_derived_from_ffpe:
no NA's
18 519

patient.samples.sample.3.portions.portion.slides.slide.percent_lymphocyte_infiltration:
 0 2 3 5 NA's
 1 1 1 1 533

patient.samples.sample.3.portions.portion.slides.slide.percent_monocyte_infiltration:
 0 1 NA's
 2 2 533

patient.samples.sample.3.portions.portion.slides.slide.percent_necrosis:
 0 NA's
 4 533

patient.samples.sample.3.portions.portion.slides.slide.percent_neutrophil_infiltration:
 0 2 NA's
 3 1 533

patient.samples.sample.3.portions.portion.slides.slide.percent_normal_cells:
 70 80 100 NA's
 2 1 1 533

patient.samples.sample.3.portions.portion.slides.slide.percent_stromal_cells:
 0 20 30 NA's
 1 1 2 533

patient.samples.sample.3.portions.portion.slides.slide.percent_tumor_cells:
 0 NA's
 4 533

patient.samples.sample.3.portions.portion.slides.slide.percent_tumor_nuclei:
 0 NA's
 4 533

patient.samples.sample.3.portions.portion.slides.slide.section_location:
 bottom top NA's
 6 12 519

patient.samples.sample.3.portions.portion.weight:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 1.00 30.00 32.50 31.50 36.75 89.00 519

patient.samples.sample.3.portions.portion.year_of_creation:
 2010 2011 2012 2013 NA's
 13 2 5 3 514

patient.samples.sample.3.sample_type:
 blood derived normal solid tissue normal NA's
 5 18 514

patient.samples.sample.3.sample_type_id:
 10 11 NA's
 5 18 514

patient.samples.sample.3.shortest_dimension:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0.2000	0.2000	0.3500	0.4143	0.5750	0.9000	523

patient.samples.sample.3.vial_number:

a NA's
23 514

patient.samples.sample.4.bcr_sample_barcode:

tcga-b2-3923-11a	tcga-b2-3924-11a	tcga-b2-5633-11a	tcga-b2-5635-11a
1	1	1	1
NA's			
533			

patient.samples.sample.4.bcr_sample_uuid:

354eacdb-c9b3-49d1-b0f6-c248ca599861	3c879277-3f05-4855-ad5f-5b4f7ea5e3c0
1	1
42406d67-024d-48f0-b93a-6d4d7db10e95	eca45c05-9488-4cc8-9912-00e1208636dd
1	1
NA's	
533	

patient.samples.sample.4.intermediate_dimension:

0.4	0.7	0.9	1	NA's
1	1	1	1	533

patient.samples.sample.4.is_ffpe:

no NA's
4 533

patient.samples.sample.4.longest_dimension:

1.2	2	2.2	2.5	NA's
1	1	1	1	533

patient.samples.sample.4.portions.portion.analytes.analyte.2.aliquots.aliquot.2.

tcga-b2-3923-11a-01w-1244-10	tcga-b2-3924-11a-01w-1244-10
1	1
NA's	
535	

patient.samples.sample.4.portions.portion.analytes.analyte.2.aliquots.aliquot.2.

10bbb834-dcc3-450a-abb0-a7bba25cc964	a80bf78a-6ce3-48f3-bebd-33f9ef4b1187
1	1
NA's	
535	

patient.samples.sample.4.portions.portion.analytes.analyte.2.aliquots.aliquot.2.

100511301	100511312	NA's
1	1	535

patient.samples.sample.4.portions.portion.analytes.analyte.2.aliquots.aliquot.2.

10 NA's
 2 535

patient.samples.sample.4.portions.portion.analytes.analyte.2.aliquots.aliquot.2.
 0.5 NA's
 2 535

patient.samples.sample.4.portions.portion.analytes.analyte.2.aliquots.aliquot.2.
 20 NA's
 2 535

patient.samples.sample.4.portions.portion.analytes.analyte.2.aliquots.aliquot.2.
 no NA's
 2 535

patient.samples.sample.4.portions.portion.analytes.analyte.2.aliquots.aliquot.2.
 9 NA's
 2 535

patient.samples.sample.4.portions.portion.analytes.analyte.2.aliquots.aliquot.2.
 7 NA's
 2 535

patient.samples.sample.4.portions.portion.analytes.analyte.2.aliquots.aliquot.2.
 1244 NA's
 2 535

patient.samples.sample.4.portions.portion.analytes.analyte.2.aliquots.aliquot.2.
 e f NA's
 1 1 535

patient.samples.sample.4.portions.portion.analytes.analyte.2.aliquots.aliquot.2.
 40 NA's
 2 535

patient.samples.sample.4.portions.portion.analytes.analyte.2.aliquots.aliquot.2.
 22 NA's
 2 535

patient.samples.sample.4.portions.portion.analytes.analyte.2.aliquots.aliquot.2.
 80 NA's
 2 535

patient.samples.sample.4.portions.portion.analytes.analyte.2.aliquots.aliquot.2.
 2010 NA's
 2 535

patient.samples.sample.4.portions.portion.analytes.analyte.2.aliquots.aliquot.2.
 tcga-b2-3923-11a-01w-1242-08 tcga-b2-3924-11a-01w-1242-08
 1 1
 tcga-b2-5633-11a-01w-1584-10 tcga-b2-5635-11a-01w-1584-10
 1 1

NA's
533

patient.samples.sample.4.portions.portion.analytes.analyte.2.aliquots.aliquot.bo
1a666ede-b2e1-42c6-8e0b-5e77c4efdc50 5dc821fd-0908-4fe0-adeb-254ae6c4599b
1 1
7f7454d9-79ae-4144-826f-f19d933472f8 8ed04b2c-f8dc-4bb9-9c43-3ef8398a2f8a
1 1
NA's
533

patient.samples.sample.4.portions.portion.analytes.analyte.2.aliquots.aliquot.bi
100515813 100515824 1049968945 1049968968 NA's
1 1 1 1 533

patient.samples.sample.4.portions.portion.analytes.analyte.2.aliquots.aliquot.ce
8 10 NA's
2 2 533

patient.samples.sample.4.portions.portion.analytes.analyte.2.aliquots.aliquot.co
0.5 NA's
4 533

patient.samples.sample.4.portions.portion.analytes.analyte.2.aliquots.aliquot.da
2 20 NA's
2 2 533

patient.samples.sample.4.portions.portion.analytes.analyte.2.aliquots.aliquot.is
no NA's
4 533

patient.samples.sample.4.portions.portion.analytes.analyte.2.aliquots.aliquot.mo
3 9 NA's
2 2 533

patient.samples.sample.4.portions.portion.analytes.analyte.2.aliquots.aliquot.pl
7 12 NA's
2 2 533

patient.samples.sample.4.portions.portion.analytes.analyte.2.aliquots.aliquot.pl
1242 1584 NA's
2 2 533

patient.samples.sample.4.portions.portion.analytes.analyte.2.aliquots.aliquot.pl
e f g NA's
1 2 1 533

patient.samples.sample.4.portions.portion.analytes.analyte.2.aliquots.aliquot.qu
40 NA's
4 533

patient.samples.sample.4.portions.portion.analytes.analyte.2.aliquots.aliquot.so

```

22 NA's
4 533

patient.samples.sample.4.portions.portion.analytes.analyte.2.aliquots.aliquot.vo
80 NA's
4 533

patient.samples.sample.4.portions.portion.analytes.analyte.2.aliquots.aliquot.ye
2010 2011 NA's
2 2 533

patient.samples.sample.4.portions.portion.analytes.analyte.2.amount:
82 121 138 151 NA's
1 1 1 1 533

patient.samples.sample.4.portions.portion.analytes.analyte.2.analyte_type:
repli-g (qiagen) dna NA's
4 533

patient.samples.sample.4.portions.portion.analytes.analyte.2.analyte_type_id:
w NA's
4 533

patient.samples.sample.4.portions.portion.analytes.analyte.2.bcr_analyte_barcode
tcga-b2-3923-11a-01w tcga-b2-3924-11a-01w tcga-b2-5633-11a-01w
1 1 1
tcga-b2-5635-11a-01w NA's
1 533

patient.samples.sample.4.portions.portion.analytes.analyte.2.bcr_analyte_uuid:
09255dda-0459-4470-a08a-fbfa3ce5e58e 3f7acale-f9a2-4c7e-80ef-bf5b304e2f3b
1 1
41d298a8-e90f-4fa0-aa6c-4dbc7c96d05f 549057ce-057c-40c2-9fc7-9076ad6aa840
1 1
NA's
533

patient.samples.sample.4.portions.portion.analytes.analyte.2.concentration:
0.5 NA's
4 533

patient.samples.sample.4.portions.portion.analytes.analyte.2.dna.normal_tumor_ge
yes NA's
4 533

patient.samples.sample.4.portions.portion.analytes.analyte.2.dna.pcr_amplificati
no NA's
4 533

patient.samples.sample.4.portions.portion.analytes.analyte.2.gel_image_file:
https://sharedoc.nchri.org/tcga-bcr/default.aspx
4

```

NA's
533

patient.samples.sample.4.portions.portion.analytes.analyte.2.is_derived_from_ffp
no NA's
4 533

patient.samples.sample.4.portions.portion.analytes.analyte.2.protocols.protocol.
repli-g NA's
4 533

patient.samples.sample.4.portions.portion.analytes.analyte.2.spectrophotometer_m
uv spec NA's
4 533

patient.samples.sample.4.portions.portion.analytes.analyte.3.aliquots.aliquot.2.
tcga-b2-3923-11a-01x-1245-10 tcga-b2-3924-11a-01x-1245-10
1 1
NA's
535

patient.samples.sample.4.portions.portion.analytes.analyte.3.aliquots.aliquot.2.
a55d08fe-a05c-45dd-ae45-7b9681b2684f e2053aca-519a-436f-a9c4-78491808f4c5
1 1
NA's
535

patient.samples.sample.4.portions.portion.analytes.analyte.3.aliquots.aliquot.2.
100521765 100521776 NA's
1 1 535

patient.samples.sample.4.portions.portion.analytes.analyte.3.aliquots.aliquot.2.
10 NA's
2 535

patient.samples.sample.4.portions.portion.analytes.analyte.3.aliquots.aliquot.2.
0.5 NA's
2 535

patient.samples.sample.4.portions.portion.analytes.analyte.3.aliquots.aliquot.2.
20 NA's
2 535

patient.samples.sample.4.portions.portion.analytes.analyte.3.aliquots.aliquot.2.
no NA's
2 535

patient.samples.sample.4.portions.portion.analytes.analyte.3.aliquots.aliquot.2.
9 NA's
2 535

patient.samples.sample.4.portions.portion.analytes.analyte.3.aliquots.aliquot.2.

7 NA's
2 535

patient.samples.sample.4.portions.portion.analytes.analyte.3.aliquots.aliquot.2.
1245 NA's
2 535

patient.samples.sample.4.portions.portion.analytes.analyte.3.aliquots.aliquot.2.
e f NA's
1 1 535

patient.samples.sample.4.portions.portion.analytes.analyte.3.aliquots.aliquot.2.
40 NA's
2 535

patient.samples.sample.4.portions.portion.analytes.analyte.3.aliquots.aliquot.2.
22 NA's
2 535

patient.samples.sample.4.portions.portion.analytes.analyte.3.aliquots.aliquot.2.
80 NA's
2 535

patient.samples.sample.4.portions.portion.analytes.analyte.3.aliquots.aliquot.2.
2010 NA's
2 535

patient.samples.sample.4.portions.portion.analytes.analyte.3.aliquots.aliquot.bo
tcga-b2-3923-11a-01x-1243-08 tcga-b2-3924-11a-01x-1243-08
1 1
NA's
535

patient.samples.sample.4.portions.portion.analytes.analyte.3.aliquots.aliquot.bo
abd6130d-e304-4a7c-8e0a-e02bb38264dd be399bee-ce0d-49dc-826c-966e20ca01b9
1 1
NA's
535

patient.samples.sample.4.portions.portion.analytes.analyte.3.aliquots.aliquot.bi
100522053 100522064 NA's
1 1 535

patient.samples.sample.4.portions.portion.analytes.analyte.3.aliquots.aliquot.ce
8 NA's
2 535

patient.samples.sample.4.portions.portion.analytes.analyte.3.aliquots.aliquot.co
0.5 NA's
2 535

patient.samples.sample.4.portions.portion.analytes.analyte.3.aliquots.aliquot.da

20 NA's
 2 535

patient.samples.sample.4.portions.portion.analytes.analyte.3.aliquots.aliquot.is
 no NA's
 2 535

patient.samples.sample.4.portions.portion.analytes.analyte.3.aliquots.aliquot.mo
 9 NA's
 2 535

patient.samples.sample.4.portions.portion.analytes.analyte.3.aliquots.aliquot.pl
 7 NA's
 2 535

patient.samples.sample.4.portions.portion.analytes.analyte.3.aliquots.aliquot.pl
 1243 NA's
 2 535

patient.samples.sample.4.portions.portion.analytes.analyte.3.aliquots.aliquot.pl
 e f NA's
 1 1 535

patient.samples.sample.4.portions.portion.analytes.analyte.3.aliquots.aliquot.qu
 40 NA's
 2 535

patient.samples.sample.4.portions.portion.analytes.analyte.3.aliquots.aliquot.so
 22 NA's
 2 535

patient.samples.sample.4.portions.portion.analytes.analyte.3.aliquots.aliquot.vo
 80 NA's
 2 535

patient.samples.sample.4.portions.portion.analytes.analyte.3.aliquots.aliquot.ye
 2010 NA's
 2 535

patient.samples.sample.4.portions.portion.analytes.analyte.3.amount:
 102 103 NA's
 1 1 535

patient.samples.sample.4.portions.portion.analytes.analyte.3.analyte_type:
 repli-g x (qiagen) dna NA's
 2 535

patient.samples.sample.4.portions.portion.analytes.analyte.3.analyte_type_id:
 x NA's
 2 535

patient.samples.sample.4.portions.portion.analytes.analyte.3.bcr_analyte_barcode

```

tcga-b2-3923-11a-01x tcga-b2-3924-11a-01x          NA's
                        1                        1          535

patient.samples.sample.4.portions.portion.analytes.analyte.3.bcr_analyte_uuid:
6bbe5113-c5bb-48e0-a0eb-35fa0cd5d1c7 ce8f0d5f-fdf7-481b-8256-8c0406220b17
                        1                        1
                        NA's
                        535

patient.samples.sample.4.portions.portion.analytes.analyte.3.concentration:
0.5 NA's
  2  535

patient.samples.sample.4.portions.portion.analytes.analyte.3.dna.normal_tumor_ge
yes NA's
  2  535

patient.samples.sample.4.portions.portion.analytes.analyte.3.dna.pcr_amplificati
no NA's
  2  535

patient.samples.sample.4.portions.portion.analytes.analyte.3.gel_image_file:
https://sharedoc.nchri.org/tcga-bcr/default.aspx
                        2
                        NA's
                        535

patient.samples.sample.4.portions.portion.analytes.analyte.3.is_derived_from_ffp
no NA's
  2  535

patient.samples.sample.4.portions.portion.analytes.analyte.3.protocols.protocol.
repli-g x          NA's
      2          535

patient.samples.sample.4.portions.portion.analytes.analyte.3.spectrophotometer_m
uv spec          NA's
      2          535

patient.samples.sample.4.portions.portion.analytes.analyte.a260_a280_ratio:
1.9 NA's
  4  533

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.2.bo
tcga-b2-3923-11a-01d-1185-01 tcga-b2-3924-11a-01d-1185-01
                        1                        1
tcga-b2-5633-11a-01d-1532-02 tcga-b2-5635-11a-01d-1532-02
                        1                        1
                        NA's
                        533

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.2.bo

```

0123b535-e834-48b2-8df0-b2dfed3db6cc 100ca67c-6216-4ef7-9937-3c110ccd2db9
 1 1
 ab2b3dde-0a76-477e-8d8b-3aa705a69bcf b2d60fa6-5379-4a3e-9371-3d1a8445a58a
 1 1
 NA's
 533

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.2.bi
 100512537 100512548 1049967172 1049967193 NA's
 1 1 1 1 533

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.2.ce
 1 2 NA's
 2 2 533

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.2.co
 0.14 0.15 0.16 NA's
 2 1 1 533

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.2.da
 9 25 NA's
 2 2 533

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.2.is
 no NA's
 4 533

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.2.mo
 2 8 NA's
 2 2 533

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.2.pl
 6 11 NA's
 2 2 533

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.2.pl
 1185 1532 NA's
 2 2 533

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.2.pl
 b c f g NA's
 1 1 1 1 533

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.2.qu
 0.94 1.07 1.86 2 NA's
 1 1 1 1 533

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.2.so
 22 NA's
 4 533

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.2.vo

```

6.7 13.3 NA's
  2   2  533

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.2.ye
2010 2011 NA's
  2   2  533

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.3.bo
tcga-b2-3923-11a-01d-1186-05 tcga-b2-3924-11a-01d-1186-05
                                1                                1
tcga-b2-5633-11a-01d-1534-10 tcga-b2-5635-11a-01d-1534-10
                                1                                1
                                NA's
                                533

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.3.bo
246c0c37-c64d-4da9-920b-778adb283c06 72d43166-f6e6-45a4-9356-28e6c7c5e954
                                1                                1
a139965b-782e-4ef4-b2c6-c170ec263bc7 cc6d8e94-2376-4868-8746-6a5fac3ecbb9
                                1                                1
                                NA's
                                533

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.3.bi
100512441 100512452 1049928047 1049928068 NA's
                1             1             1             1             533

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.3.ce
  5   10 NA's
  2   2  533

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.3.co
0.05 0.14 0.16 NA's
  2   1   1  533

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.3.da
  9   25 NA's
  2   2  533

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.3.is
no NA's
  4  533

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.3.mo
  2   8 NA's
  2   2  533

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.3.pl
  6   11 NA's
  2   2  533

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.3.pl

```

1186 1534 NA's
2 2 533

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.3.pl
b c f g NA's
1 1 1 1 533

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.3.qu
2 3.74 4.27 NA's
2 1 1 533

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.3.so
22 NA's
4 533

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.3.vo
26.7 40 NA's
2 2 533

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.3.ye
2010 2011 NA's
2 2 533

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.4.bo
tcga-b2-3923-11a-01d-1250-08 tcga-b2-3924-11a-01d-1250-08
1 1
tcga-b2-5633-11a-01d-1536-05 tcga-b2-5635-11a-01d-1536-05
1 1
NA's
533

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.4.bo
29944ef0-6c07-43c9-a02d-231547649ac1 a3e5b17c-cb5d-4ae9-aead-b850595e918b
1 1
db3b71c9-3363-4f26-aa64-0d6cd727565f edc54104-dece-4b55-b2f6-33f3d1e4cd30
1 1
NA's
533

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.4.bi
100511577 100511588 1049927951 1049927972 NA's
1 1 1 1 533

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.4.ce
5 8 NA's
2 2 533

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.4.co
0.14 0.15 0.16 NA's
2 1 1 533

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.4.da

9 20 NA's
2 2 533

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.4.is
no NA's
4 533

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.4.mo
2 9 NA's
2 2 533

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.4.pl
6 11 NA's
2 2 533

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.4.pl
1250 1536 NA's
2 2 533

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.4.pl
b c f g NA's
1 1 1 1 533

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.4.qu
1.4 1.6 3.74 4.01 NA's
1 1 1 1 533

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.4.so
22 NA's
4 533

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.4.vo
10 26.7 NA's
2 2 533

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.4.ye
2010 2011 NA's
2 2 533

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.5.bo
tcga-b2-3923-11a-01d-1251-10 tcga-b2-3924-11a-01d-1251-10
1 1
tcga-b2-5633-11a-01d-2103-10 tcga-b2-5635-11a-01d-2103-10
1 1
NA's
533

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.5.bo
28aac82d-72ad-4956-a3c3-022718b48fdd 458290e2-8513-482c-bc50-9095a22c24d3
1 1
56ca6c25-90ab-4108-bb15-4a992e011975 cfca4e91-156a-4c53-bfde-0a75085eb2a3
1 1

NA's
533

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.5.bi
100511865 100511876 121030036 121030075 NA's
1 1 1 1 533

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.5.ce
10 NA's
4 533

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.5.co
0.14 0.15 0.16 NA's
2 1 1 533

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.5.da
20 21 NA's
2 2 533

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.5.is
no NA's
4 533

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.5.mo
9 12 NA's
2 2 533

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.5.pl
5 6 NA's
2 2 533

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.5.pl
1251 2103 NA's
2 2 533

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.5.pl
a d f g NA's
1 1 1 1 533

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.5.qu
0.94 1.07 1.86 2 NA's
1 1 1 1 533

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.5.so
22 NA's
4 533

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.5.vo
6.7 13.3 NA's
2 2 533

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.5.ye

2010 2011 NA's
 2 2 533

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.6.bo
 tcga-b2-3923-11a-01d-2048-08 tcga-b2-3924-11a-01d-2095-10
 1 1
 NA's
 535

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.6.bo
 613bc534-7fbc-4a29-ad89-922e55fe8101 a529537a-f2b5-435e-ba56-018ad2bd7c93
 1 1
 NA's
 535

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.6.bi
 120998829 1061614950 NA's
 1 1 535

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.6.ce
 8 10 NA's
 1 1 535

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.6.co
 0.14 0.16 NA's
 1 1 535

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.6.da
 16 21 NA's
 1 1 535

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.6.is
 no NA's
 2 535

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.6.mo
 11 12 NA's
 1 1 535

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.6.pl
 2 3 NA's
 1 1 535

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.6.pl
 2048 2095 NA's
 1 1 535

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.6.pl
 d e NA's
 1 1 535

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.6.qu

0.93 2.13 NA's
1 1 535

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.6.so
22 NA's
2 535

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.6.vo
6.67 13.3 NA's
1 1 535

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.6.ye
2011 NA's
2 535

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.7.bo
tcga-b2-3923-11a-01d-2095-10 NA's
1 536

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.7.bo
e610eab2-17d9-44ac-a182-c51ec64adb8f NA's
1 536

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.7.bi
120998858 NA's
1 536

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.7.ce
10 NA's
1 536

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.7.co
0.14 NA's
1 536

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.7.da
21 NA's
1 536

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.7.is
no NA's
1 536

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.7.mo
12 NA's
1 536

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.7.pl
3 NA's
1 536

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.7.pl

2095 NA's
1 536

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.7.pl
b NA's
1 536

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.7.qu
1.86 NA's
1 536

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.7.so
22 NA's
1 536

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.7.vo
13.3 NA's
1 536

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.7.ye
2011 NA's
1 536

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.bcr_
tcga-b2-3923-11a-01d-1184-02 tcga-b2-3924-11a-01d-1184-02
1 1
tcga-b2-5633-11a-01d-1530-01 tcga-b2-5635-11a-01d-1530-01
1 1
NA's
533

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.bcr_
4673770c-19a7-451a-a412-e272bea5b10a 62b189c2-2d6d-4a2a-a493-f5a025a11c62
1 1
da40184e-b882-4a1a-84a0-5ce1293d4b56 eae353d2-6bb7-4a02-8b25-b67c95161819
1 1
NA's
533

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.bios
100512057 100512068 1049928812 1049928833 NA's
1 1 1 1 533

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.cent
1 2 NA's
2 2 533

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.conc
0.14 0.15 0.16 NA's
2 1 1 533

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.day_

9 25 NA's
2 2 533

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.is_d
no NA's
4 533

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.mont
2 8 NA's
2 2 533

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.plat
6 11 NA's
2 2 533

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.plat
1184 1530 NA's
2 2 533

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.plat
b c f g NA's
1 1 1 1 533

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.quant
0.93 1 1.86 2.13 NA's
1 1 1 1 533

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.sour
22 NA's
4 533

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.vol
6.67 13.3 NA's
2 2 533

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.year
2010 2011 NA's
2 2 533

patient.samples.sample.4.portions.portion.analytes.analyte.amount:
39.4 83.4 537.64 618.97 NA's
1 1 1 1 533

patient.samples.sample.4.portions.portion.analytes.analyte.analyte_type:
dna NA's
4 533

patient.samples.sample.4.portions.portion.analytes.analyte.analyte_type_id:
d NA's
4 533

patient.samples.sample.4.portions.portion.analytes.analyte.bcr_analyte_barcode:

tcga-b2-3923-11a-01d	tcga-b2-3924-11a-01d	tcga-b2-5633-11a-01d
1	1	1
tcga-b2-5635-11a-01d	NA's	
1	533	

patient.samples.sample.4.portions.portion.analytes.analyte.bcr_analyte_uuid:		
027e6451-853f-4f53-b27d-66b65276479c	3aa2a6a1-2871-4357-b968-8999d4419d8b	
1	1	
a7319a11-bb08-4776-84cd-568c6a3c1733	ce5d8228-ee5a-4bed-89b9-989b56bbe9d7	
1	1	
NA's		
533		

patient.samples.sample.4.portions.portion.analytes.analyte.concentration:			
0.14	0.15	0.16	NA's
2	1	1	533

patient.samples.sample.4.portions.portion.analytes.analyte.dna.normal_tumor_genotype	
yes	NA's
4	533

patient.samples.sample.4.portions.portion.analytes.analyte.dna.pcr_amplification		
no	yes	NA's
2	2	533

patient.samples.sample.4.portions.portion.analytes.analyte.gel_image_file:	
https://sharedoc.nchri.org/tcga-bcr/default.aspx	
4	
NA's	
533	

patient.samples.sample.4.portions.portion.analytes.analyte.is_derived_from_ffpe:	
no	NA's
4	533

patient.samples.sample.4.portions.portion.analytes.analyte.protocols.protocol.experimental_preparation_type	
adna	NA's
4	533

patient.samples.sample.4.portions.portion.analytes.analyte.spectrophotometer_measurement	
uv spec	NA's
4	533

patient.samples.sample.4.portions.portion.bcr_portion_barcode:			
tcga-b2-3923-11a-01	tcga-b2-3924-11a-01	tcga-b2-5633-11a-01	tcga-b2-5635-11a-01
1	1	1	1
NA's			
533			

patient.samples.sample.4.portions.portion.bcr_portion_uuid:		
52653c73-2edc-4b84-9373-4d393aa47c44	55232416-8d43-4671-9efe-d8e24f5a52f8	
1	1	

```

5ca8ba42-6078-4edb-88e1-860fb287d409 e4dbe698-3159-4245-997f-364c842cbb45
      1 1
      NA's
      533

patient.samples.sample.4.portions.portion.day_of_creation:
  29 30 NA's
  2 2 533

patient.samples.sample.4.portions.portion.is_ffpe:
  no NA's
  4 533

patient.samples.sample.4.portions.portion.month_of_creation:
  11 12 NA's
  2 2 533

patient.samples.sample.4.portions.portion.portion_number:
  1 NA's
  4 533

patient.samples.sample.4.portions.portion.portion_sequence:
  1 NA's
  2 535

patient.samples.sample.4.portions.portion.slides.slide.2.bcr_slide_barcode:
tcga-b2-3923-11a-01-ts1 tcga-b2-3924-11a-01-ts1 NA's
      1 1 535

patient.samples.sample.4.portions.portion.slides.slide.2.bcr_slide_uuid:
13df8c1e-ab10-4588-840b-3011dd3801e6 b7574432-f2bd-4902-bf09-47774f405f17
      1 1
      NA's
      535

patient.samples.sample.4.portions.portion.slides.slide.2.image_file_name:
tcga-b2-3923-11a-01-ts1.13df8c1e-ab10-4588-840b-3011dd3801e6.svs
      1
tcga-b2-3924-11a-01-ts1.b7574432-f2bd-4902-bf09-47774f405f17.svs
      1
      NA's
      535

patient.samples.sample.4.portions.portion.slides.slide.2.is_derived_from_ffpe:
  no NA's
  2 535

patient.samples.sample.4.portions.portion.slides.slide.2.section_location:
  top NA's
  2 535

patient.samples.sample.4.portions.portion.slides.slide.bcr_slide_barcode:

```

```

tcga-b2-3923-11a-01-bs1 tcga-b2-3924-11a-01-bs1 tcga-b2-5633-11a-01-ts1
                        1                        1                        1
tcga-b2-5635-11a-01-ts1                        NA's
                        1                        533

patient.samples.sample.4.portions.portion.slides.slide.bcr_slide_uuid:
5a115116-d7af-41fc-ad9c-cdedd8098038 65fc51bf-9cc3-41a4-a149-8cf57a948b26
                        1                        1
7494bb32-bd4e-4f8d-a6f5-86284c970ed9 890eb76b-b487-43bd-bce1-c0db40ba1c61
                        1                        1
                        NA's
                        533

patient.samples.sample.4.portions.portion.slides.slide.image_file_name:
tcga-b2-3923-11a-01-bs1.5a115116-d7af-41fc-ad9c-cdedd8098038.svs
                        1
tcga-b2-3924-11a-01-bs1.65fc51bf-9cc3-41a4-a149-8cf57a948b26.svs
                        1
tcga-b2-5633-11a-01-ts1.7494bb32-bd4e-4f8d-a6f5-86284c970ed9.svs
                        1
tcga-b2-5635-11a-01-ts1.890eb76b-b487-43bd-bce1-c0db40ba1c61.svs
                        1
                        NA's
                        533

patient.samples.sample.4.portions.portion.slides.slide.is_derived_from_ffpe:
no NA's
4 533

patient.samples.sample.4.portions.portion.slides.slide.section_location:
bottom top NA's
2 2 533

patient.samples.sample.4.portions.portion.weight:
1 36 39 NA's
2 1 1 533

patient.samples.sample.4.portions.portion.year_of_creation:
2010 2012 NA's
2 2 533

patient.samples.sample.4.sample_type:
solid tissue normal NA's
4 533

patient.samples.sample.4.sample_type_id:
11 NA's
4 533

patient.samples.sample.4.shortest_dimension:
0.4 0.7 NA's
2 2 533

```

patient.samples.sample.4.vial_number:

a NA's
4 533

patient.samples.sample.days_to_collection:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
57.0	139.5	313.0	545.3	694.5	1874.0	502

patient.samples.sample.diagnostic_slides.ffpe_slide_uuid.3:

fc717d92-13bd-4968-8e82-0cc53eb6d5d1	NA's
1	536

patient.samples.sample.initial_weight:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
30.0	75.0	210.0	296.3	330.0	2080.0	502

patient.samples.sample.intermediate_dimension:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0.3000	0.7000	0.9000	0.9368	1.1000	2.0000	35

patient.samples.sample.is_ffpe:

no
537

patient.samples.sample.longest_dimension:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0.400	1.200	1.500	1.662	2.000	4.000	35

patient.samples.sample.oct_embedded:

false	true	NA's
23	12	502

patient.samples.sample.portions.portion.2.analytes.analyte.2.a260_a280_ratio:

1.5	1.7	1.8	NA's
2	10	36	489

patient.samples.sample.portions.portion.2.analytes.analyte.2.aliquots.aliquot.2.

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
103927675	103928608	103928636	103930042	103928659	103962949	489

patient.samples.sample.portions.portion.2.analytes.analyte.2.aliquots.aliquot.2.

7	NA's
48	489

patient.samples.sample.portions.portion.2.analytes.analyte.2.aliquots.aliquot.2.
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 0.1300 0.1400 0.1500 0.1471 0.1500 0.1700 489

patient.samples.sample.portions.portion.2.analytes.analyte.2.aliquots.aliquot.2.
 11 27 NA's
 46 2 489

patient.samples.sample.portions.portion.2.analytes.analyte.2.aliquots.aliquot.2.
 no NA's
 48 489

patient.samples.sample.portions.portion.2.analytes.analyte.2.aliquots.aliquot.2.
 9 10 NA's
 2 46 489

patient.samples.sample.portions.portion.2.analytes.analyte.2.aliquots.aliquot.2.
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 1.000 2.000 5.000 4.354 6.250 8.000 489

patient.samples.sample.portions.portion.2.analytes.analyte.2.aliquots.aliquot.2.
 1277 1325 NA's
 2 46 489

patient.samples.sample.portions.portion.2.analytes.analyte.2.aliquots.aliquot.2.
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 3.47 3.74 4.01 3.93 4.01 4.54 489

patient.samples.sample.portions.portion.2.analytes.analyte.2.aliquots.aliquot.2.
 22 NA's
 48 489

patient.samples.sample.portions.portion.2.analytes.analyte.2.aliquots.aliquot.2.
 26.7 NA's
 48 489

patient.samples.sample.portions.portion.2.analytes.analyte.2.aliquots.aliquot.2.
 2010 NA's
 48 489

patient.samples.sample.portions.portion.2.analytes.analyte.2.aliquots.aliquot.3.
 fppp NA's
 1 536

patient.samples.sample.portions.portion.2.analytes.analyte.2.aliquots.aliquot.3.
 tcga NA's
 1 536

patient.samples.sample.portions.portion.2.analytes.analyte.2.aliquots.aliquot.3.
 ffpe validation NA's
 1 536

patient.samples.sample.portions.portion.2.analytes.analyte.2.aliquots.aliquot.3.
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 1.244e+08 1.244e+08 1.062e+09 7.611e+08 1.062e+09 1.062e+09 509

patient.samples.sample.portions.portion.2.analytes.analyte.2.aliquots.aliquot.3.
 7 13 26 NA's
 1 19 8 509

patient.samples.sample.portions.portion.2.analytes.analyte.2.aliquots.aliquot.3.
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 0.1300 0.1400 0.1500 0.1475 0.1500 0.1700 509

patient.samples.sample.portions.portion.2.analytes.analyte.2.aliquots.aliquot.3.
 12 14 24 NA's
 8 1 19 509

patient.samples.sample.portions.portion.2.analytes.analyte.2.aliquots.aliquot.3.
 no NA's
 28 509

patient.samples.sample.portions.portion.2.analytes.analyte.2.aliquots.aliquot.3.
 3 10 NA's
 9 19 509

patient.samples.sample.portions.portion.2.analytes.analyte.2.aliquots.aliquot.3.
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 1.000 1.000 2.000 2.643 3.000 7.000 509

patient.samples.sample.portions.portion.2.analytes.analyte.2.aliquots.aliquot.3.
 2020 2206 a277 NA's
 19 8 1 509

patient.samples.sample.portions.portion.2.analytes.analyte.2.aliquots.aliquot.3.
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 0.930 1.130 1.860 1.671 2.000 2.130 509

patient.samples.sample.portions.portion.2.analytes.analyte.2.aliquots.aliquot.3.
 22 23 NA's
 27 1 509

patient.samples.sample.portions.portion.2.analytes.analyte.2.aliquots.aliquot.3.
 6.67 13 13.3 NA's
 8 1 19 509

patient.samples.sample.portions.portion.2.analytes.analyte.2.aliquots.aliquot.3.
 2011 2012 2013 NA's
 19 8 1 509

patient.samples.sample.portions.portion.2.analytes.analyte.2.aliquots.aliquot.4.
 fppp NA's
 1 536

patient.samples.sample.portions.portion.2.analytes.analyte.2.aliquots.aliquot.4.
 tcga NA's
 1 536

patient.samples.sample.portions.portion.2.analytes.analyte.2.aliquots.aliquot.4.
 ffpe validation NA's
 1 536

patient.samples.sample.portions.portion.2.analytes.analyte.2.aliquots.aliquot.4.
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 124428960 124429008 124429022 125074865 124429041 132179168 525

patient.samples.sample.portions.portion.2.analytes.analyte.2.aliquots.aliquot.4.
 13 26 NA's
 1 11 525

patient.samples.sample.portions.portion.2.analytes.analyte.2.aliquots.aliquot.4.
 0.13 0.14 0.15 0.16 NA's
 2 3 4 3 525

patient.samples.sample.portions.portion.2.analytes.analyte.2.aliquots.aliquot.4.
 12 13 NA's
 11 1 525

patient.samples.sample.portions.portion.2.analytes.analyte.2.aliquots.aliquot.4.
 no NA's
 12 525

patient.samples.sample.portions.portion.2.analytes.analyte.2.aliquots.aliquot.4.
 3 NA's
 12 525

patient.samples.sample.portions.portion.2.analytes.analyte.2.aliquots.aliquot.4.
 1 2 6 NA's
 6 3 3 525

patient.samples.sample.portions.portion.2.analytes.analyte.2.aliquots.aliquot.4.
 2206 a27d NA's
 11 1 525

patient.samples.sample.portions.portion.2.analytes.analyte.2.aliquots.aliquot.4.
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 0.870 0.930 1.000 1.145 1.070 3.000 525

patient.samples.sample.portions.portion.2.analytes.analyte.2.aliquots.aliquot.4.
 22 23 NA's
 11 1 525

patient.samples.sample.portions.portion.2.analytes.analyte.2.aliquots.aliquot.4.
 6.67 20 NA's
 11 1 525

patient.samples.sample.portions.portion.2.analytes.analyte.2.aliquots.aliquot.4.
 2012 2013 NA's
 11 1 525

patient.samples.sample.portions.portion.2.analytes.analyte.2.aliquots.aliquot.5.
 fppp NA's
 1 536

patient.samples.sample.portions.portion.2.analytes.analyte.2.aliquots.aliquot.5.
 tcga NA's
 1 536

patient.samples.sample.portions.portion.2.analytes.analyte.2.aliquots.aliquot.5.
 tcga-b2-3924-01a-02r-a277-07 NA's
 1 536

patient.samples.sample.portions.portion.2.analytes.analyte.2.aliquots.aliquot.5.
 8a59f553-05f9-4f5e-bb4e-2b119e6af0e5 NA's
 1 536

patient.samples.sample.portions.portion.2.analytes.analyte.2.aliquots.aliquot.5.
 ffpe validation NA's
 1 536

patient.samples.sample.portions.portion.2.analytes.analyte.2.aliquots.aliquot.5.
 145632018 NA's
 1 536

patient.samples.sample.portions.portion.2.analytes.analyte.2.aliquots.aliquot.5.
 7 NA's
 1 536

patient.samples.sample.portions.portion.2.analytes.analyte.2.aliquots.aliquot.5.
 0.16 NA's
 1 536

patient.samples.sample.portions.portion.2.analytes.analyte.2.aliquots.aliquot.5.
 14 NA's
 1 536

patient.samples.sample.portions.portion.2.analytes.analyte.2.aliquots.aliquot.5.
 no NA's
 1 536

patient.samples.sample.portions.portion.2.analytes.analyte.2.aliquots.aliquot.5.
 3 NA's
 1 536

patient.samples.sample.portions.portion.2.analytes.analyte.2.aliquots.aliquot.5.
 6 NA's
 1 536

patient.samples.sample.portions.portion.2.analytes.analyte.2.aliquots.aliquot.5.
 a277 NA's
 1 536

patient.samples.sample.portions.portion.2.analytes.analyte.2.aliquots.aliquot.5.
 g NA's
 1 536

patient.samples.sample.portions.portion.2.analytes.analyte.2.aliquots.aliquot.5.
 2.08 NA's
 1 536

patient.samples.sample.portions.portion.2.analytes.analyte.2.aliquots.aliquot.5.
 23 NA's
 1 536

patient.samples.sample.portions.portion.2.analytes.analyte.2.aliquots.aliquot.5.
 13 NA's
 1 536

patient.samples.sample.portions.portion.2.analytes.analyte.2.aliquots.aliquot.5.
 2013 NA's
 1 536

patient.samples.sample.portions.portion.2.analytes.analyte.2.aliquots.aliquot.6.
 fppp NA's
 1 536

patient.samples.sample.portions.portion.2.analytes.analyte.2.aliquots.aliquot.6.
 tcga NA's
 1 536

patient.samples.sample.portions.portion.2.analytes.analyte.2.aliquots.aliquot.6.
 tcga-b2-3924-01a-02r-a27d-13 NA's
 1 536

patient.samples.sample.portions.portion.2.analytes.analyte.2.aliquots.aliquot.6.
 6becdc2c-5769-4c48-96e9-a362e3341b0b NA's
 1 536

patient.samples.sample.portions.portion.2.analytes.analyte.2.aliquots.aliquot.6.
 ffpe validation NA's
 1 536

patient.samples.sample.portions.portion.2.analytes.analyte.2.aliquots.aliquot.6.
132179152 NA's
1 536

patient.samples.sample.portions.portion.2.analytes.analyte.2.aliquots.aliquot.6.
13 NA's
1 536

patient.samples.sample.portions.portion.2.analytes.analyte.2.aliquots.aliquot.6.
0.16 NA's
1 536

patient.samples.sample.portions.portion.2.analytes.analyte.2.aliquots.aliquot.6.
13 NA's
1 536

patient.samples.sample.portions.portion.2.analytes.analyte.2.aliquots.aliquot.6.
no NA's
1 536

patient.samples.sample.portions.portion.2.analytes.analyte.2.aliquots.aliquot.6.
3 NA's
1 536

patient.samples.sample.portions.portion.2.analytes.analyte.2.aliquots.aliquot.6.
6 NA's
1 536

patient.samples.sample.portions.portion.2.analytes.analyte.2.aliquots.aliquot.6.
a27d NA's
1 536

patient.samples.sample.portions.portion.2.analytes.analyte.2.aliquots.aliquot.6.
g NA's
1 536

patient.samples.sample.portions.portion.2.analytes.analyte.2.aliquots.aliquot.6.
3.2 NA's
1 536

patient.samples.sample.portions.portion.2.analytes.analyte.2.aliquots.aliquot.6.
23 NA's
1 536

patient.samples.sample.portions.portion.2.analytes.analyte.2.aliquots.aliquot.6.
20 NA's
1 536

patient.samples.sample.portions.portion.2.analytes.analyte.2.aliquots.aliquot.6.
2013 NA's
1 536

```

patient.samples.sample.portions.portion.2.analytes.analyte.2.aliquots.aliquot.bi
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.    NA's
103927643 103928512 103928540 103929872 103928563 103961029    489

patient.samples.sample.portions.portion.2.analytes.analyte.2.aliquots.aliquot.ce
  13 NA's
  48 489

patient.samples.sample.portions.portion.2.analytes.analyte.2.aliquots.aliquot.co
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.    NA's
  0.1300 0.1400 0.1500 0.1471 0.1500 0.1700    489

patient.samples.sample.portions.portion.2.analytes.analyte.2.aliquots.aliquot.da
  11 27 NA's
  46 2 489

patient.samples.sample.portions.portion.2.analytes.analyte.2.aliquots.aliquot.is
  no NA's
  48 489

patient.samples.sample.portions.portion.2.analytes.analyte.2.aliquots.aliquot.mo
  9 10 NA's
  2 46 489

patient.samples.sample.portions.portion.2.analytes.analyte.2.aliquots.aliquot.pl
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.    NA's
  1.000 2.000 5.000 4.354 6.250 8.000    489

patient.samples.sample.portions.portion.2.analytes.analyte.2.aliquots.aliquot.pl
1276 1324 NA's
  2 46 489

patient.samples.sample.portions.portion.2.analytes.analyte.2.aliquots.aliquot.qu
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.    NA's
  2.600 2.800 3.000 2.942 3.000 3.400    489

patient.samples.sample.portions.portion.2.analytes.analyte.2.aliquots.aliquot.so
  22 NA's
  48 489

patient.samples.sample.portions.portion.2.analytes.analyte.2.aliquots.aliquot.vo
  20 NA's
  48 489

patient.samples.sample.portions.portion.2.analytes.analyte.2.aliquots.aliquot.ye
2010 NA's
  48 489

patient.samples.sample.portions.portion.2.analytes.analyte.2.amount:

```

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
8.30	36.30	55.81	72.19	102.80	209.33	489

patient.samples.sample.portions.portion.2.analytes.analyte.2.analyte_type:
rna NA's
48 489

patient.samples.sample.portions.portion.2.analytes.analyte.2.analyte_type_id:
r NA's
48 489

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0.1300	0.1400	0.1500	0.1471	0.1500	0.1700	489

patient.samples.sample.portions.portion.2.analytes.analyte.2.concentration:
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
0.1300 0.1400 0.1500 0.1471 0.1500 0.1700 489

patient.samples.sample.portions.portion.2.analytes.analyte.2.gel_image_file:
<https://sharedoc.nchri.org/tcga-bcr/default.aspx>
48
NA's
489

patient.samples.sample.portions.portion.2.analytes.analyte.2.is_derived_from_ffp:
no NA's
48 489

patient.samples.sample.portions.portion.2.analytes.analyte.2.protocols.protocol.
mirvana (allprep dna) rna NA's
48 489

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0.600	1.400	1.500	1.471	1.600	2.000	489

patient.samples.sample.portions.portion.2.analytes.analyte.2.rna.ratio_28s_18s:
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
0.600 1.400 1.500 1.471 1.600 2.000 489

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
6.600	7.800	8.500	8.346	8.900	9.500	489

patient.samples.sample.portions.portion.2.analytes.analyte.2.rna.rinvalue:
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
6.600 7.800 8.500 8.346 8.900 9.500 489

patient.samples.sample.portions.portion.2.analytes.analyte.2.spectrophotometer_m
uv spec NA's
48 489

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1.04e+08	1.04e+08	1.04e+08	1.04e+08	1.04e+08	1.04e+08	491

patient.samples.sample.portions.portion.2.analytes.analyte.3.aliquots.aliquot.2.
8 NA's
46 491

patient.samples.sample.portions.portion.2.analytes.analyte.3.aliquots.aliquot.2.
0.5 NA's
46 491

patient.samples.sample.portions.portion.2.analytes.analyte.3.aliquots.aliquot.2.
8 NA's
46 491

patient.samples.sample.portions.portion.2.analytes.analyte.3.aliquots.aliquot.2.
no NA's
46 491

patient.samples.sample.portions.portion.2.analytes.analyte.3.aliquots.aliquot.2.
11 NA's
46 491

patient.samples.sample.portions.portion.2.analytes.analyte.3.aliquots.aliquot.2.
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
1.000 2.000 5.000 4.717 7.000 8.000 491

patient.samples.sample.portions.portion.2.analytes.analyte.3.aliquots.aliquot.2.
1383 NA's
46 491

patient.samples.sample.portions.portion.2.analytes.analyte.3.aliquots.aliquot.2.
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
30.00 40.00 40.00 39.03 40.00 40.00 491

patient.samples.sample.portions.portion.2.analytes.analyte.3.aliquots.aliquot.2.
22 NA's
46 491

patient.samples.sample.portions.portion.2.analytes.analyte.3.aliquots.aliquot.2.
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
60.00 80.00 80.00 78.06 80.00 80.00 491

patient.samples.sample.portions.portion.2.analytes.analyte.3.aliquots.aliquot.2.
2010 NA's
46 491

patient.samples.sample.portions.portion.2.analytes.analyte.3.aliquots.aliquot.bi
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
1.04e+08 1.04e+08 1.04e+08 1.04e+08 1.04e+08 1.04e+08 489

patient.samples.sample.portions.portion.2.analytes.analyte.3.aliquots.aliquot.ce
10 NA's
48 489

```

patient.samples.sample.portions.portion.2.analytes.analyte.3.aliquots.aliquot.co
0.5 NA's
48 489

patient.samples.sample.portions.portion.2.analytes.analyte.3.aliquots.aliquot.da
8 25 NA's
46 2 489

patient.samples.sample.portions.portion.2.analytes.analyte.3.aliquots.aliquot.is
no NA's
48 489

patient.samples.sample.portions.portion.2.analytes.analyte.3.aliquots.aliquot.mo
10 11 NA's
2 46 489

patient.samples.sample.portions.portion.2.analytes.analyte.3.aliquots.aliquot.pl
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
1.000 2.000 5.000 4.583 7.000 8.000 489

patient.samples.sample.portions.portion.2.analytes.analyte.3.aliquots.aliquot.pl
1359 1382 NA's
2 46 489

patient.samples.sample.portions.portion.2.analytes.analyte.3.aliquots.aliquot.qu
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
30.00 40.00 40.00 39.28 40.00 40.00 489

patient.samples.sample.portions.portion.2.analytes.analyte.3.aliquots.aliquot.so
22 NA's
48 489

patient.samples.sample.portions.portion.2.analytes.analyte.3.aliquots.aliquot.vo
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
60.00 80.00 80.00 78.56 80.00 80.00 489

patient.samples.sample.portions.portion.2.analytes.analyte.3.aliquots.aliquot.ye
2010 NA's
48 489

patient.samples.sample.portions.portion.2.analytes.analyte.3.amount:
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
50.00 87.50 101.50 97.42 110.50 140.00 489

patient.samples.sample.portions.portion.2.analytes.analyte.3.analyte_type:
repli-g (qiagen) dna NA's
48 489

patient.samples.sample.portions.portion.2.analytes.analyte.3.analyte_type_id:
w NA's
48 489

```

patient.samples.sample.portions.portion.2.analytes.analyte.3.concentration:
 0.5 NA's
 48 489

patient.samples.sample.portions.portion.2.analytes.analyte.3.dna.normal_tumor_ge
 yes NA's
 48 489

patient.samples.sample.portions.portion.2.analytes.analyte.3.dna.pcr_amplificati
 no NA's
 48 489

patient.samples.sample.portions.portion.2.analytes.analyte.3.gel_image_file:
<https://sharedoc.nchri.org/tcga-bcr/default.aspx>
 48
 NA's
 489

patient.samples.sample.portions.portion.2.analytes.analyte.3.is_derived_from_ffp
 no NA's
 48 489

patient.samples.sample.portions.portion.2.analytes.analyte.3.protocols.protocol.
 repli-g NA's
 48 489

patient.samples.sample.portions.portion.2.analytes.analyte.3.spectrophotometer_m
 uv spec NA's
 48 489

patient.samples.sample.portions.portion.2.analytes.analyte.4.aliquots.aliquot.2.

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
103947646	103948388	103948408	103948364	103948432	103948453	491

patient.samples.sample.portions.portion.2.analytes.analyte.4.aliquots.aliquot.2.
 8 NA's
 46 491

patient.samples.sample.portions.portion.2.analytes.analyte.4.aliquots.aliquot.2.
 0.5 NA's
 46 491

patient.samples.sample.portions.portion.2.analytes.analyte.4.aliquots.aliquot.2.
 8 NA's
 46 491

patient.samples.sample.portions.portion.2.analytes.analyte.4.aliquots.aliquot.2.

```

no NA's
46 491

patient.samples.sample.portions.portion.2.analytes.analyte.4.aliquots.aliquot.2.
11 NA's
46 491

patient.samples.sample.portions.portion.2.analytes.analyte.4.aliquots.aliquot.2.
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.   NA's
  1.000  2.000   5.000   4.717  7.000   8.000   491

patient.samples.sample.portions.portion.2.analytes.analyte.4.aliquots.aliquot.2.
1385 NA's
46 491

patient.samples.sample.portions.portion.2.analytes.analyte.4.aliquots.aliquot.2.
40 NA's
46 491

patient.samples.sample.portions.portion.2.analytes.analyte.4.aliquots.aliquot.2.
22 NA's
46 491

patient.samples.sample.portions.portion.2.analytes.analyte.4.aliquots.aliquot.2.
80 NA's
46 491

patient.samples.sample.portions.portion.2.analytes.analyte.4.aliquots.aliquot.2.
2010 NA's
46 491

patient.samples.sample.portions.portion.2.analytes.analyte.4.aliquots.aliquot.bi
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.   NA's
1.04e+08 1.04e+08 1.04e+08 1.04e+08 1.04e+08 1.04e+08   489

patient.samples.sample.portions.portion.2.analytes.analyte.4.aliquots.aliquot.ce
10 NA's
48 489

patient.samples.sample.portions.portion.2.analytes.analyte.4.aliquots.aliquot.co
0.5 NA's
48 489

patient.samples.sample.portions.portion.2.analytes.analyte.4.aliquots.aliquot.da
  8 25 NA's
46 2 489

patient.samples.sample.portions.portion.2.analytes.analyte.4.aliquots.aliquot.is
no NA's

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48 489

patient.samples.sample.portions.portion.2.analytes.analyte.4.aliquots.aliquot.mo

10 11 NA's

2 46 489

patient.samples.sample.portions.portion.2.analytes.analyte.4.aliquots.aliquot.pl

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1.000	2.000	5.000	4.583	7.000	8.000	489

patient.samples.sample.portions.portion.2.analytes.analyte.4.aliquots.aliquot.pl

1360 1384 NA's

2 46 489

patient.samples.sample.portions.portion.2.analytes.analyte.4.aliquots.aliquot.qu

40 NA's

48 489

patient.samples.sample.portions.portion.2.analytes.analyte.4.aliquots.aliquot.sc

22 NA's

48 489

patient.samples.sample.portions.portion.2.analytes.analyte.4.aliquots.aliquot.vo

80 NA's

48 489

patient.samples.sample.portions.portion.2.analytes.analyte.4.aliquots.aliquot.ye

2010 NA's

48 489

patient.samples.sample.portions.portion.2.analytes.analyte.4.amount:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
56.00	80.75	85.00	85.73	90.00	149.00	489

patient.samples.sample.portions.portion.2.analytes.analyte.4.analyte_type:

repli-g x (qiagen) dna NA's

48 489

patient.samples.sample.portions.portion.2.analytes.analyte.4.analyte_type_id:

x NA's

48 489

patient.samples.sample.portions.portion.2.analytes.analyte.4.concentration:

0.5 NA's

48 489

patient.samples.sample.portions.portion.2.analytes.analyte.4.dna.normal_tumor_ge

yes NA's

48 489

patient.samples.sample.portions.portion.2.analytes.analyte.4.dna.pcr_amplificati
 no NA's
 48 489

patient.samples.sample.portions.portion.2.analytes.analyte.4.gel_image_file:
<https://sharedoc.nchri.org/tcga-bcr/default.aspx>
 48
 NA's
 489

patient.samples.sample.portions.portion.2.analytes.analyte.4.is_derived_from_ffp
 no NA's
 48 489

patient.samples.sample.portions.portion.2.analytes.analyte.4.protocols.protocol.
 repli-g x NA's
 48 489

patient.samples.sample.portions.portion.2.analytes.analyte.4.spectrophotometer_m
 uv spec NA's
 48 489

patient.samples.sample.portions.portion.2.analytes.analyte.a260_a280_ratio:
 1.8 1.9 NA's
 3 46 488

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.10.b
 tcga-b2-3924-01a-02d-a46w-08 tcga-b8-4619-01a-02d-1554-10
 1 1
 NA's
 535

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.10.b
 436c3b6b-a2a4-4e19-8f8b-8e7240a09a97 872e4e55-b271-47d4-9da3-fd2841fbe697
 1 1
 NA's
 535

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.10.b
 132179207 1049985667 NA's
 1 1 535

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.10.c
 8 10 NA's
 1 1 535

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.10.c
 0.05 0.09 NA's
 1 1 535

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.10.d

3 14 NA's
 1 1 535
 patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.10.i
 no NA's
 2 535
 patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.10.m
 2 8 NA's
 1 1 535
 patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.10.p
 5 8 NA's
 1 1 535
 patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.10.p
 1554 a46w NA's
 1 1 535
 patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.10.p
 d e NA's
 1 1 535
 patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.10.q
 1.8 2 NA's
 1 1 535
 patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.10.s
 22 23 NA's
 1 1 535
 patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.10.v
 20 40 NA's
 1 1 535
 patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.10.y
 2011 2015 NA's
 1 1 535
 patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.11.b
 tcga-b8-4619-01a-02d-2095-10 NA's
 1 536
 patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.11.b
 clad70af-6764-48b5-9dd5-1a3c35e84651 NA's
 1 536
 patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.11.b
 120998827 NA's
 1 536
 patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.11.c

10 NA's
 1 536

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.11.c
 0.15 NA's
 1 536

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.11.d
 21 NA's
 1 536

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.11.i
 no NA's
 1 536

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.11.m
 12 NA's
 1 536

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.11.p
 5 NA's
 1 536

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.11.p
 2095 NA's
 1 536

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.11.p
 e NA's
 1 536

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.11.q
 2 NA's
 1 536

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.11.s
 22 NA's
 1 536

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.11.v
 13.3 NA's
 1 536

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.11.y
 2011 NA's
 1 536

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.2.bi
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 103925133 103927167 103927194 103928683 103927216 103965061 489


```

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.2.ce
  1 NA's
  48  489

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.2.co
0.14 0.15 0.16 0.17 NA's
  10  22  12   4  489

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.2.da
  11  27 NA's
  46   2  489

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.2.is
no NA's
  48  489

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.2.mo
  9  10 NA's
  2  46  489

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.2.pl
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.    NA's
  1.000  2.000  5.000  4.354  6.250  8.000    489

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.2.pl
1274 1322 NA's
  2  46  489

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.2.qu
0.93   1 1.07 1.13 NA's
  10  22  12   4  489

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.2.so
  22 NA's
  48  489

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.2.vo
6.67 NA's
  48  489

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.2.ye
2010 NA's
  48  489

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.3.bi
  Min.  1st Qu.  Median    Mean  3rd Qu.    Max.    NA's
103925143 103927263 103927290 103928636 103927312 103961797    489

```

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.3.ce
 5 NA's
 48 489

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.3.co
 0.14 0.15 0.16 0.17 NA's
 10 22 12 4 489

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.3.da
 11 27 NA's
 46 2 489

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.3.is
 no NA's
 48 489

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.3.mo
 9 10 NA's
 2 46 489

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.3.pl
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 1.000 2.000 5.000 4.354 6.250 8.000 489

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.3.pl
 1275 1323 NA's
 2 46 489

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.3.qu
 3.74 4.01 4.27 4.54 NA's
 10 22 12 4 489

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.3.so
 22 NA's
 48 489

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.3.vo
 26.7 NA's
 48 489

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.3.ye
 2010 NA's
 48 489

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.4.bi
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 103948935 103950682 103950710 103950558 103950736 103950758 489

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.4.ce

10 NA's
48 489

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.4.co
0.05 NA's
48 489

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.4.da
8 25 NA's
46 2 489

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.4.is
no NA's
48 489

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.4.mo
10 11 NA's
2 46 489

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.4.pl
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
1.000 2.000 5.000 4.354 6.250 8.000 489

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.4.pl
1361 1386 NA's
2 46 489

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.4.qu
2 NA's
48 489

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.4.so
22 NA's
48 489

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.4.vo
40 NA's
48 489

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.4.ye
2010 NA's
48 489

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.5.bi
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
103950821 103951071 103951098 104661402 103951123 120998677 489

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.5.ce
8 10 NA's

```

46      2  489

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.5.co
0.05 0.14 0.15 NA's
46      1   1  489

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.5.da
      8  21 NA's
46      2  489

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.5.is
no NA's
48  489

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.5.mo
      11  12 NA's
46      2  489

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.5.pl
      Min. 1st Qu.  Median    Mean 3rd Qu.    Max.    NA's
      1.000  2.000   5.000  4.771  7.000  12.000    489

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.5.pl
1387 2094 NA's
46      2  489

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.5.qu
1.86      2 NA's
      1  47  489

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.5.sc
      22 NA's
48  489

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.5.vo
13.3  40 NA's
      2  46  489

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.5.ye
2010 2011 NA's
46      2  489

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.6.bi
      Min. 1st Qu.  Median    Mean 3rd Qu.    Max.    NA's
1.210e+08 1.210e+08 1.210e+08 1.864e+08 1.210e+08 1.062e+09    494

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.6.ce
      2   8  10 NA's
      1   2  40  494

```

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.6.co
 0.14 0.15 0.16 0.17 NA's
 9 21 9 4 494

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.6.da
 14 16 21 NA's
 1 2 40 494

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.6.is
 no NA's
 43 494

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.6.mo
 2 11 12 NA's
 1 2 40 494

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.6.pl
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 1.000 2.500 5.000 5.512 8.500 11.000 494

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.6.pl
 1547 2048 2094 2095 NA's
 1 2 17 23 494

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.6.qu
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 0.930 2.000 2.000 1.977 2.130 2.260 494

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.6.so
 22 NA's
 43 494

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.6.vo
 6.67 13.3 NA's
 2 41 494

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.6.ye
 2011 NA's
 43 494

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.7.ad
 fppp NA's
 1 536

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.7.ad
 tcga NA's
 1 536

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.7.bo
 tcga-b2-3923-01a-02d-2095-10 tcga-b2-3924-01a-02d-a270-10

```

1 1
tcga-b8-4619-01a-02d-1549-01 tcga-cj-4637-01a-02d-2095-10
1 1
NA's
533

```

```

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.7.bo
25c61f18-d7ca-432c-b4ec-9d4fa01d7453 8d8a31b2-718d-4c72-a147-e244f5e05a01
1 1
a5020b81-edb1-4a2f-a31f-0582ee10be80 aab289f0-ba21-4966-9621-bfe07dc1c18a
1 1
NA's
533

```

```

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.7.bo
ffpe validation NA's
1 536

```

```

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.7.bi
120998791 120998877 132158818 1049930075 NA's
1 1 1 1 533

```

```

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.7.ce
1 10 NA's
1 3 533

```

```

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.7.co
0.09 0.14 0.15 NA's
1 1 2 533

```

```

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.7.da
13 14 21 NA's
1 1 2 533

```

```

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.7.is
no NA's
4 533

```

```

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.7.mo
2 3 12 NA's
1 1 2 533

```

```

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.7.pl
3 7 8 NA's
2 1 1 533

```

```

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.7.pl
1549 2095 a270 NA's
1 2 1 533

```

```

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.7.pl
a c d h NA's

```

```

1      1      1      1      533

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.7.qu
1  1.8 1.86      2 NA's
1      1      1      1      533

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.7.so
22     23 NA's
3      1      533

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.7.vo
6.67 13.3      20 NA's
1      2      1      533

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.7.ye
2011 2013 NA's
3      1      533

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.8.ad
fppp NA's
2      535

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.8.ad
tcga NA's
2      535

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.8.bo
tcga-b2-3923-01a-02d-a270-10 tcga-b2-3924-01a-02d-a274-01
                                1                                1
tcga-b8-4619-01a-02d-1551-05                                NA's
                                1                                534

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.8.bo
0eec3cb3-1427-45f3-ac93-c2926955bd9b 7d6fbb34-0171-4e0a-a9b1-324ef3affa64
                                1                                1
ba2bd55c-459d-4018-8972-6c98e79bd2d5                                NA's
                                1                                534

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.8.bo
ffpe validation                                NA's
                                2                                535

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.8.bi
132160702 145675693 1049929979                                NA's
                                1                                1                                1                                534

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.8.ce
1      5      10 NA's
1      1      1      534

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.8.co
0.08 0.15 0.17 NA's

```

```

1      1      1  534

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.8.da
13    14 NA's
1      2  534

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.8.is
no NA's
3     534

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.8.mo
2      3 NA's
1      2  534

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.8.pl
3      7 NA's
2      1  534

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.8.pl
1551 a270 a274 NA's
1      1      1  534

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.8.pl
c      d      f NA's
1      1      1  534

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.8.qu
1.14  1.6 4.01 NA's
1      1      1  534

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.8.sc
22    23 NA's
1      2  534

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.8.vo
6.7   20 26.7 NA's
1      1      1  534

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.8.ye
2011 2013 NA's
1      2  534

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.9.ad
fppp NA's
1     536

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.9.ad
tcga NA's
1     536

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.9.bo
tcga-b2-3924-01a-02d-a27a-05 tcga-b8-4619-01a-02d-1553-08

```


1
NA's
535

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.9.bo
bfa02d33-523e-4709-bf06-933c686d139c e16d8c96-e679-4c87-ad6d-5e58d6a9d267
1
NA's
535

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.9.bo
ffpe validation NA's
1 536

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.9.bi
132159768 1049985622 NA's
1 1 535

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.9.ce
5 8 NA's
1 1 535

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.9.co
0.05 0.17 NA's
1 1 535

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.9.da
13 14 NA's
1 1 535

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.9.is
no NA's
2 535

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.9.mo
2 3 NA's
1 1 535

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.9.pl
2 3 NA's
1 1 535

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.9.pl
1553 a27a NA's
1 1 535

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.9.pl
d h NA's
1 1 535

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.9.qu
1.14 2 NA's

```

1      1      535

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.9.so
22    23 NA's
1      1      535

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.9.vo
6.7   40 NA's
1      1      535

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.9.ye
2011 2013 NA's
1      1      535

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.bios
      Min.    1st Qu.    Median    Mean    3rd Qu.    Max.    NA's
103927695 103927744 103927773 103929788 103927796 103965253    488

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.cent
2     13 NA's
48    1   488

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.conc
0.14 0.15 0.16 0.17 NA's
10   23  12   4   488

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.day_
11   17  27 NA's
46   1   2   488

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.is_d
no NA's
49   488

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.mont
9    10  11 NA's
2    46   1   488

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.plat
      Min. 1st Qu.  Median    Mean 3rd Qu.    Max.    NA's
1.000  2.000  5.000  4.408  7.000  8.000    488

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.plat
1273 1321 1409 NA's
2    46   1   488

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.quan
      Min. 1st Qu.  Median    Mean 3rd Qu.    Max.    NA's
1.860  2.000  2.000  2.075  2.130  4.500    488

```

```

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.source
  22 NA's
  49 488

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.volume
13.3 30 NA's
  48 1 488

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.year
2010 NA's
  49 488

patient.samples.sample.portions.portion.2.analytes.analyte.amount:
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.   NA's
18.07  78.10 119.77 131.64 179.77 298.10   488

patient.samples.sample.portions.portion.2.analytes.analyte.analyte_type:
 dna  rna NA's
  48  1 488

patient.samples.sample.portions.portion.2.analytes.analyte.analyte_type_id:
  d    r NA's
  48  1 488

patient.samples.sample.portions.portion.2.analytes.analyte.concentration:
0.14 0.15 0.16 0.17 NA's
  10  23  12   4 488

patient.samples.sample.portions.portion.2.analytes.analyte.dna.normal_tumor_genes
yes NA's
  48 489

patient.samples.sample.portions.portion.2.analytes.analyte.dna.pcr_amplification
no NA's
  48 489

patient.samples.sample.portions.portion.2.analytes.analyte.gel_image_file:
https://sharedoc.nchri.org/tcga-bcr/default.aspx
                                     49
                                     NA's
                                     488

patient.samples.sample.portions.portion.2.analytes.analyte.is_derived_from_ffpe:
no NA's
  49 488

patient.samples.sample.portions.portion.2.analytes.analyte.protocols.protocol.execution
adna preparation type mirvana (allprep dna) rna           NA's
                                     48                                     1           488

```

patient.samples.sample.portions.portion.2.analytes.analyte.rna.ratio_28s_18s:
 1.7 NA's
 1 536

patient.samples.sample.portions.portion.2.analytes.analyte.rna.rinvalue:
 8.1 NA's
 1 536

patient.samples.sample.portions.portion.2.analytes.analyte.spectrophotometer_met
 uv spec NA's
 49 488

patient.samples.sample.portions.portion.2.day_of_creation:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 4.00 24.00 28.00 26.43 30.00 30.00 488

patient.samples.sample.portions.portion.2.is_ffpe:
 no NA's
 49 488

patient.samples.sample.portions.portion.2.month_of_creation:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 2.000 6.000 7.000 7.939 11.000 11.000 488

patient.samples.sample.portions.portion.2.portion_number:
 2 NA's
 49 488

patient.samples.sample.portions.portion.2.portion_sequence:
 2 NA's
 17 520

patient.samples.sample.portions.portion.2.slides.slide.2.is_derived_from_ffpe:
 no NA's
 49 488

patient.samples.sample.portions.portion.2.slides.slide.2.percent_lymphocyte_infi
 1 13 NA's
 1 1 535

patient.samples.sample.portions.portion.2.slides.slide.2.percent_monocyte_infilt
 0 NA's
 1 536

patient.samples.sample.portions.portion.2.slides.slide.2.percent_necrosis:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's

```

0.0000 0.0000 0.0000 0.8776 0.0000 15.0000 488

patient.samples.sample.portions.portion.2.slides.slide.2.percent_neutrophil_infi
  0 NA's
  1 536

patient.samples.sample.portions.portion.2.slides.slide.2.percent_normal_cells:
  Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
  0.0000 0.0000 0.0000 0.8367 0.0000 25.0000 488

patient.samples.sample.portions.portion.2.slides.slide.2.percent_stromal_cells:
  Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
  0.000 5.000 10.000 9.959 10.000 55.000 488

patient.samples.sample.portions.portion.2.slides.slide.2.percent_tumor_cells:
  Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
  45.00 82.75 90.00 88.04 95.00 99.00 489

patient.samples.sample.portions.portion.2.slides.slide.2.percent_tumor_nuclei:
  Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
  70.00 80.00 85.00 83.53 85.00 98.00 488

patient.samples.sample.portions.portion.2.slides.slide.2.section_location:
bottom NA's
  49 488

patient.samples.sample.portions.portion.2.slides.slide.is_derived_from_ffpe:
no NA's
  49 488

patient.samples.sample.portions.portion.2.slides.slide.percent_lymphocyte_infiltrat
  1 3 NA's
  1 2 534

patient.samples.sample.portions.portion.2.slides.slide.percent_monocyte_infiltrat
  0 NA's
  2 535

patient.samples.sample.portions.portion.2.slides.slide.percent_necrosis:
  Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
  0.000 0.000 0.000 2.204 0.000 20.000 488

patient.samples.sample.portions.portion.2.slides.slide.percent_neutrophil_infiltrat
  0 NA's
  2 535

patient.samples.sample.portions.portion.2.slides.slide.percent_normal_cells:
  Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
  0.000 0.000 0.000 2.857 0.000 55.000 488

```

patient.samples.sample.portions.portion.2.slides.slide.percent_stromal_cells:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 0.000 5.000 5.000 8.449 10.000 30.000 488

patient.samples.sample.portions.portion.2.slides.slide.percent_tumor_cells:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 30.00 80.00 90.00 86.54 95.00 100.00 489

patient.samples.sample.portions.portion.2.slides.slide.percent_tumor_nuclei:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 70.00 80.00 85.00 83.16 85.00 99.00 488

patient.samples.sample.portions.portion.2.slides.slide.section_location:
 top NA's
 49 488

patient.samples.sample.portions.portion.2.weight:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 10.00 30.75 36.50 34.83 39.25 60.00 489

patient.samples.sample.portions.portion.2.year_of_creation:
 2010 2012 NA's
 32 17 488

patient.samples.sample.portions.portion.analytes.analyte.2.a260_a280_ratio:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 1.100 1.700 1.800 1.754 1.800 2.100 1

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.2.bi
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 1.005e+08 1.040e+08 1.040e+08 3.318e+08 1.641e+08 1.054e+09 51

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.2.ce
 7 13 26 NA's
 469 13 4 51

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.2.co
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 0.1100 0.1400 0.1500 0.1486 0.1600 0.1800 51

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.2.da
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 2.00 11.00 13.00 17.03 25.00 30.00 51

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.2.is
 no NA's
 486 51

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.2.mo

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1.000	2.000	9.000	7.045	10.000	11.000	51

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.2.pl

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1.000	2.000	4.000	3.767	5.000	9.000	51

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.2.qu

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0.800	3.740	3.740	3.763	4.010	4.540	51

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.2.sc

22	23	NA's				
450	36	51				

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.2.vo

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
6.67	26.70	26.70	25.39	26.70	26.70	51

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.2.ye

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
2010	2010	2010	2011	2011	2014	51

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.3.ad

fppp NA's

2	535					
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patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.3.ad

tcga NA's

2	535					
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patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.3.bo

ffpe validation

			NA's			
	2		535			

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.3.bi

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1.244e+08	1.244e+08	1.054e+09	6.018e+08	1.054e+09	1.062e+09	451

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.3.ce

7	13	26	NA's			
4	44	38	451			

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.3.co

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0.1300	0.1400	0.1500	0.1477	0.1500	0.1700	451

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.3.da

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
2.00	12.00	16.00	14.41	16.00	24.00	451

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.3.is
no NA's
86 451

3	5	10	12	NA's
40	39	6	1	451

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.3.mo

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1.000	3.000	4.000	3.907	5.000	8.000	451

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.3.pl

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0.870	1.000	2.000	1.969	2.800	3.400	451

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.3.qu

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.3.so
22 23 NA's
82 4 451

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
6.60	6.67	13.30	13.32	20.00	20.00	451

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.3.vo

2011	2012	2013	2014	NA's
44	38	3	1	451

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.4.ad
fppp NA's
2 535

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.4.ad
tcga NA's
2 535

tcga-b2-5633-01a-01r-a27d-13	tcga-b2-5635-01a-01r-a27d-13	NA's
1	1	535

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.4.bo

44f75d53-c23f-4b1a-8bc7-79a2e91bbb89	74fac0ae-9809-4824-a034-43ea272aacf1	NA's
1	1	535

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.4.bo
ffpe validation NA's
2 535

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.4.bi
132179143 132179226 NA's
1 1 535

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.4.ce
13 NA's
2 535

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.4.co
0.16 0.17 NA's
1 1 535

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.4.da
13 NA's
2 535

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.4.is
no NA's
2 535

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.4.mo
3 NA's
2 535

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.4.pl
6 7 NA's
1 1 535

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.4.pl
a27d NA's
2 535

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.4.pl
a h NA's
1 1 535

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.4.qu
3.2 3.4 NA's
1 1 535

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.4.so
23 NA's
2 535

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.4.vo
20 NA's
2 535

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.4.ye
2013 NA's
2 535

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.5.bo
tcga-b2-5635-01a-01r-a46x-36 NA's
1 536

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.5.bo
a35ed3d0-f79d-49c2-ae27-c753e90f925f NA's
1 536

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.5.bi
167814211 NA's
1 536

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.5.ce
36 NA's
1 536

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.5.co
0.17 NA's
1 536

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.5.da
26 NA's
1 536

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.5.is
no NA's
1 536

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.5.mo
8 NA's
1 536

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.5.pl
5 NA's
1 536

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.5.pl
a46x NA's
1 536

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.5.pl
c NA's
1 536

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.5.qu
0.85 NA's
1 536

```

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.5.so
  23 NA's
  1 536

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.5.vo
  5 NA's
  1 536

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.5.ye
2015 NA's
  1 536

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.bios
  Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
9.650e+07 1.039e+08 1.040e+08 2.919e+08 1.289e+08 1.050e+09 1

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.cent
  7 13 NA's
 78 458 1

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.conc
  Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 0.0100 0.1400 0.1500 0.1471 0.1525 0.1800 1

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.day_
  Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
  6.00 11.00 22.00 17.93 25.00 30.00 1

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.is_d
  no NA's
 536 1

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.mont
  Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 1.000 3.000 9.000 6.841 10.000 11.000 1

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.plat
  Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
  1.00 2.00 4.00 3.67 5.00 9.00 1

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.quan
  Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 0.270 2.800 3.000 3.022 3.200 4.540 1

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.sour
  22 23 NA's
 501 35 1

```

```

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.volum
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.   NA's
  13.00  20.00  20.00   20.63  20.00   26.70    1

```

```

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.year
2010 2011 2013 2014 NA's
  355  146   21   14   1

```

```

patient.samples.sample.portions.portion.analytes.analyte.2.amount:
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.   NA's
  0.00  27.30  45.30   63.89  75.30  623.30    1

```

```

patient.samples.sample.portions.portion.analytes.analyte.2.analyte_type:
  rna NA's
  536   1

```

```

patient.samples.sample.portions.portion.analytes.analyte.2.analyte_type_id:
  r NA's
  536   1

```

```

patient.samples.sample.portions.portion.analytes.analyte.2.concentration:
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.   NA's
  0.0100 0.1400 0.1500 0.1471 0.1525 0.1800    1

```

```

patient.samples.sample.portions.portion.analytes.analyte.2.gel_image_file:
https://sharedoc.nchri.org/tcga-bcr/default.aspx
                                     536
                                     NA's
                                     1

```

```

patient.samples.sample.portions.portion.analytes.analyte.2.is_derived_from_ffpe:
  no NA's
  536   1

```

```

patient.samples.sample.portions.portion.analytes.analyte.2.protocols.protocol.ex
  allprep rna extraction mirvana (allprep dna) rna NA's
                                     65                                     471                                     1

```

```

patient.samples.sample.portions.portion.analytes.analyte.2.rna.ratio_28s_18s:
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.   NA's
  0.000  1.198  1.400  1.359  1.600  9.900    1

```

```

patient.samples.sample.portions.portion.analytes.analyte.2.rna.rinvalue:
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.   NA's
  0.00  7.80  8.40  8.32  8.80  9.60    1

```

```

patient.samples.sample.portions.portion.analytes.analyte.2.spectrophotometer_met
uv spec NA's
  536   1

```

```

patient.samples.sample.portions.portion.analytes.analyte.2.subportion_sequence:
  1    2    3 NA's
 99    3    1 434

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.2.bi
  Min.  1st Qu.  Median    Mean  3rd Qu.    Max.    NA's
100510584 100511299 100511330 107455533 107460025 128286766    521

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.2.ce
  10  13 NA's
 15   1 521

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.2.co
  0.1  0.5 NA's
   1  15 521

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.2.da
  16  20  25 NA's
   4  11   1 521

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.2.is
  no NA's
 16 521

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.2.mo
   5   8   9 NA's
   4   1  11 521

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.2.pl
   4   5   6  11 NA's
   3   7   2   4 521

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.2.pl
1192 1244 2279 NA's
   1  11   4 521

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.2.qu
  1.6  10  40 NA's
   1   4  11 521

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.2.so
  22 NA's
 16 521

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.2.vo
  16  20  80 NA's
   1   4  11 521

```

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.2.ye
 2010 2012 NA's
 12 4 521

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.bios
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 9.650e+07 1.039e+08 1.323e+08 5.294e+08 1.050e+09 1.054e+09 2

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.cent
 8 10 13 NA's
 52 418 65 2

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.conc
 0.1 0.5 NA's
 65 470 2

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.day_
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 1.00 7.00 17.00 13.71 20.00 26.00 2

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.is_d
 no NA's
 535 2

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.mont
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 2.000 3.000 10.000 7.707 11.000 12.000 2

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.plat
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 1.000 2.000 4.000 3.804 5.000 9.000 2

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.quant
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 0.50 40.00 40.00 35.46 40.00 40.00 2

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.sour
 22 23 NA's
 500 35 2

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.volu
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 5.0 80.0 80.0 73.5 80.0 80.0 2

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.year
 2010 2011 2013 2014 NA's
 354 146 11 24 2

patient.samples.sample.portions.portion.analytes.analyte.3.amount:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
5.0	149.0	161.0	151.2	173.0	709.0	37

patient.samples.sample.portions.portion.analytes.analyte.3.analyte_type:

repli-g (qiagen) dna	total rna	NA's
470	65	2

patient.samples.sample.portions.portion.analytes.analyte.3.analyte_type_id:

t	w	NA's
65	470	2

patient.samples.sample.portions.portion.analytes.analyte.3.concentration:

0.1	0.5	NA's
65	435	37

patient.samples.sample.portions.portion.analytes.analyte.3.dna.normal_tumor_gene:

yes	NA's
470	67

patient.samples.sample.portions.portion.analytes.analyte.3.dna.pcr_amplification:

no	yes	NA's
435	35	67

patient.samples.sample.portions.portion.analytes.analyte.3.gel_image_file:

https://sharedoc.nchri.org/tcga-bcr/default.aspx	535	NA's
	2	

patient.samples.sample.portions.portion.analytes.analyte.3.is_derived_from_ffpe:

no	NA's
535	2

patient.samples.sample.portions.portion.analytes.analyte.3.protocols.protocol_execution:

repli-g	total rna	NA's
470	65	2

patient.samples.sample.portions.portion.analytes.analyte.3.rna.ratio_28s_18s:

0.4	0.5	0.7	NA's
2	2	1	532

patient.samples.sample.portions.portion.analytes.analyte.3.rna.rinvalue:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
7.00	7.20	7.60	7.56	7.90	8.10	532

patient.samples.sample.portions.portion.analytes.analyte.3.spectrophotometer_method:

uv spec	NA's
500	37

patient.samples.sample.portions.portion.analytes.analyte.3.subportion_sequence:
 1 2 3 NA's
 99 3 1 434

patient.samples.sample.portions.portion.analytes.analyte.4.aliquots.aliquot.2.bi
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 96489064 96489749 96489816 98343233 100511341 100521811 461

patient.samples.sample.portions.portion.analytes.analyte.4.aliquots.aliquot.2.ce
 10 NA's
 76 461

patient.samples.sample.portions.portion.analytes.analyte.4.aliquots.aliquot.2.co
 0.5 NA's
 76 461

patient.samples.sample.portions.portion.analytes.analyte.4.aliquots.aliquot.2.da
 5 20 NA's
 41 35 461

patient.samples.sample.portions.portion.analytes.analyte.4.aliquots.aliquot.2.is
 no NA's
 76 461

patient.samples.sample.portions.portion.analytes.analyte.4.aliquots.aliquot.2.mo
 4 9 NA's
 41 35 461

patient.samples.sample.portions.portion.analytes.analyte.4.aliquots.aliquot.2.pl
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 1.000 2.000 3.000 3.368 5.000 6.000 461

patient.samples.sample.portions.portion.analytes.analyte.4.aliquots.aliquot.2.pl
 898 1244 1245 NA's
 41 24 11 461

patient.samples.sample.portions.portion.analytes.analyte.4.aliquots.aliquot.2.qu
 40 NA's
 76 461

patient.samples.sample.portions.portion.analytes.analyte.4.aliquots.aliquot.2.so
 22 NA's
 76 461

patient.samples.sample.portions.portion.analytes.analyte.4.aliquots.aliquot.2.vo
 80 NA's
 76 461

patient.samples.sample.portions.portion.analytes.analyte.4.aliquots.aliquot.2.ye

2010 NA's
76 461

patient.samples.sample.portions.portion.analytes.analyte.4.aliquots.aliquot.bios
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
96492698 100522042 103949052 102317750 103949369 103950565 276

patient.samples.sample.portions.portion.analytes.analyte.4.aliquots.aliquot.cent
8 10 NA's
76 185 276

patient.samples.sample.portions.portion.analytes.analyte.4.aliquots.aliquot.conc
0.5 NA's
261 276

patient.samples.sample.portions.portion.analytes.analyte.4.aliquots.aliquot.day_
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
1.00 8.00 25.00 17.89 25.00 31.00 276

patient.samples.sample.portions.portion.analytes.analyte.4.aliquots.aliquot.is_d
no NA's
261 276

patient.samples.sample.portions.portion.analytes.analyte.4.aliquots.aliquot.mont
3 9 10 11 NA's
41 35 91 94 276

patient.samples.sample.portions.portion.analytes.analyte.4.aliquots.aliquot.plat
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
1.000 2.000 4.000 3.831 5.000 8.000 276

patient.samples.sample.portions.portion.analytes.analyte.4.aliquots.aliquot.plat
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
886 1243 1364 1278 1371 1390 276

patient.samples.sample.portions.portion.analytes.analyte.4.aliquots.aliquot.quant
40 NA's
261 276

patient.samples.sample.portions.portion.analytes.analyte.4.aliquots.aliquot.sour
22 NA's
261 276

patient.samples.sample.portions.portion.analytes.analyte.4.aliquots.aliquot.vol
80 NA's
261 276

patient.samples.sample.portions.portion.analytes.analyte.4.aliquots.aliquot.year
2010 NA's

261 276

patient.samples.sample.portions.portion.analytes.analyte.4.amount:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
42.0	90.0	151.0	137.3	164.0	188.0	276

patient.samples.sample.portions.portion.analytes.analyte.4.analyte_type:

repli-g (qiagen) dna	repli-g x (qiagen) dna	NA's
65	196	276

patient.samples.sample.portions.portion.analytes.analyte.4.analyte_type_id:

w	x	NA's
65	196	276

patient.samples.sample.portions.portion.analytes.analyte.4.concentration:

0.5	NA's
261	276

patient.samples.sample.portions.portion.analytes.analyte.4.dna.normal_tumor_gene:

yes	NA's
261	276

patient.samples.sample.portions.portion.analytes.analyte.4.dna.pcr_amplification:

no	NA's
261	276

patient.samples.sample.portions.portion.analytes.analyte.4.gel_image_file:

https://sharedoc.nchri.org/tcga-bcr/default.aspx	NA's
261	276

patient.samples.sample.portions.portion.analytes.analyte.4.is_derived_from_ffpe:

no	NA's
261	276

patient.samples.sample.portions.portion.analytes.analyte.4.protocols.protocol.ex:

repli-g	repli-g x	NA's
65	196	276

patient.samples.sample.portions.portion.analytes.analyte.4.spectrophotometer_method:

uv spec	NA's
261	276

patient.samples.sample.portions.portion.analytes.analyte.5.aliquots.aliquot.2.bi:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
100521548	100521759	100521782	100521762	100521804	100521828	513

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patient.samples.sample.portions.portion.analytes.analyte.5.aliquots.aliquot.2.ce
  10 NA's
  24  513

patient.samples.sample.portions.portion.analytes.analyte.5.aliquots.aliquot.2.co
  0.5 NA's
  24  513

patient.samples.sample.portions.portion.analytes.analyte.5.aliquots.aliquot.2.da
  20 NA's
  24  513

patient.samples.sample.portions.portion.analytes.analyte.5.aliquots.aliquot.2.is
  no NA's
  24  513

patient.samples.sample.portions.portion.analytes.analyte.5.aliquots.aliquot.2.mo
  9 NA's
  24  513

patient.samples.sample.portions.portion.analytes.analyte.5.aliquots.aliquot.2.pl
  1    2    3    4 NA's
  6    7    7    4  513

patient.samples.sample.portions.portion.analytes.analyte.5.aliquots.aliquot.2.pl
1245 NA's
  24  513

patient.samples.sample.portions.portion.analytes.analyte.5.aliquots.aliquot.2.qu
  40 NA's
  24  513

patient.samples.sample.portions.portion.analytes.analyte.5.aliquots.aliquot.2.so
  22 NA's
  24  513

patient.samples.sample.portions.portion.analytes.analyte.5.aliquots.aliquot.2.vo
  80 NA's
  24  513

patient.samples.sample.portions.portion.analytes.analyte.5.aliquots.aliquot.2.ye
2010 NA's
  24  513

patient.samples.sample.portions.portion.analytes.analyte.5.aliquots.aliquot.bios
  Min.   1st Qu.   Median     Mean   3rd Qu.     Max.     NA's
100521586 100522046 100522070 100521994 100522091 100522098      513

patient.samples.sample.portions.portion.analytes.analyte.5.aliquots.aliquot.cent

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      8 NA's
      24  513

patient.samples.sample.portions.portion.analytes.analyte.5.aliquots.aliquot.conc
      0.5 NA's
      24  513

patient.samples.sample.portions.portion.analytes.analyte.5.aliquots.aliquot.day_
      20 NA's
      24  513

patient.samples.sample.portions.portion.analytes.analyte.5.aliquots.aliquot.is_d
      no NA's
      24  513

patient.samples.sample.portions.portion.analytes.analyte.5.aliquots.aliquot.mont
      9 NA's
      24  513

patient.samples.sample.portions.portion.analytes.analyte.5.aliquots.aliquot.plat
      1    2    3    4 NA's
      6    7    7    4  513

patient.samples.sample.portions.portion.analytes.analyte.5.aliquots.aliquot.plat
      1243 NA's
      24  513

patient.samples.sample.portions.portion.analytes.analyte.5.aliquots.aliquot.quant
      40 NA's
      24  513

patient.samples.sample.portions.portion.analytes.analyte.5.aliquots.aliquot.sour
      22 NA's
      24  513

patient.samples.sample.portions.portion.analytes.analyte.5.aliquots.aliquot.volun
      80 NA's
      24  513

patient.samples.sample.portions.portion.analytes.analyte.5.aliquots.aliquot.year
      2010 NA's
      24  513

patient.samples.sample.portions.portion.analytes.analyte.5.amount:
      Min. 1st Qu.  Median    Mean 3rd Qu.    Max.    NA's
      53.00  81.00   87.50   87.12  96.25  105.00   513

patient.samples.sample.portions.portion.analytes.analyte.5.analyte_type:
      repli-g x (qiagen) dna                NA's
                        24                  513

```

patient.samples.sample.portions.portion.analytes.analyte.5.analyte_type_id:
 x NA's
 24 513

patient.samples.sample.portions.portion.analytes.analyte.5.concentration:
 0.5 NA's
 24 513

patient.samples.sample.portions.portion.analytes.analyte.5.dna.normal_tumor_genom
 yes NA's
 24 513

patient.samples.sample.portions.portion.analytes.analyte.5.dna.pcr_amplification
 no NA's
 24 513

patient.samples.sample.portions.portion.analytes.analyte.5.gel_image_file:
<https://sharedoc.nchri.org/tcga-bcr/default.aspx>
 24
 NA's
 513

patient.samples.sample.portions.portion.analytes.analyte.5.is_derived_from_ffpe:
 no NA's
 24 513

patient.samples.sample.portions.portion.analytes.analyte.5.protocols.protocol.ex
 repli-g x NA's
 24 513

patient.samples.sample.portions.portion.analytes.analyte.5.spectrophotometer_met
 uv spec NA's
 24 513

patient.samples.sample.portions.portion.analytes.analyte.a260_a280_ratio:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 1.800 1.900 1.900 1.901 1.900 2.000 36

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.10.bcr
 tcga-b8-4620-01a-01d-1554-10 tcga-b8-4622-01a-02d-2096-10
 1 1
 NA's
 535

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.10.bcr
 03491783-8dfd-4481-a8c5-eb93caa1772c 12ab328c-8913-4d12-8685-d16924b37467
 1 1
 NA's
 535

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.10.bio
121030209 1049985676 NA's
1 1 535

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.10.cen
10 NA's
2 535

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.10.com
0.05 0.15 NA's
1 1 535

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.10.day
14 21 NA's
1 1 535

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.10.is_
no NA's
2 535

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.10.mon
2 12 NA's
1 1 535

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.10.pla
5 10 NA's
1 1 535

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.10.pla
1554 2096 NA's
1 1 535

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.10.pla
e f NA's
1 1 535

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.10.qua
2 NA's
2 535

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.10.sou
22 NA's
2 535

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.10.vol
13.3 40 NA's
1 1 535

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.10.yea
2011 NA's
2 535

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.2.bios
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 9.651e+07 1.040e+08 1.040e+08 2.919e+08 1.322e+08 1.050e+09 1

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.2.cent
 1 2 5 10 NA's
 399 61 41 35 1

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.2.conc
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 0.070 0.140 0.150 0.144 0.150 0.170 1

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.2.day_
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 6.00 11.00 17.00 17.47 25.00 30.00 1

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.2.is_d
 no NA's
 536 1

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.2.mont
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 1.000 3.000 9.000 6.841 10.000 11.000 1

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.2.plat
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 1.000 2.000 3.000 3.349 5.000 8.000 1

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.2.quant
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 0.870 1.000 1.000 1.472 1.860 4.540 1

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.2.sour
 22 23 NA's
 501 35 1

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.2.vol
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 6.67 6.67 6.67 11.14 13.30 40.00 1

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.2.year
 2010 2011 2013 2014 NA's
 355 146 21 14 1

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.3.bios
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's

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9.649e+07 1.040e+08 1.040e+08 2.919e+08 1.289e+08 1.050e+09      1

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.3.cent
  5   8  10 NA's
393  41 102   1

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.3.conc
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.   NA's
0.0500 0.1400  0.1500  0.1304 0.1500  0.1700    1

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.3.day_
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.   NA's
 6.00  11.00  22.00  18.31  27.00  30.00    1

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.3.is_d
no NA's
536   1

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.3.mont
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.   NA's
 1.000  4.000  9.000  6.918 10.000 11.000    1

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.3.plat
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.   NA's
 1.000  2.000  3.000  3.349  5.000  8.000    1

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.3.quant
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.   NA's
 0.94   2.00   3.74   3.24   4.01   4.54    1

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.3.sour
  22  23 NA's
501  35   1

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.3.volun
  6.7  13 26.7  40 NA's
 41  35 358 102   1

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.3.year
2010 2011 2013 2014 NA's
355 146  21  14   1

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.4.bios
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.   NA's
9.649e+07 1.039e+08 1.040e+08 3.017e+08 1.087e+08 1.050e+09    36

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.4.cent
  5   8  10 NA's

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102 170 229 36

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.4.conc

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0.05000	0.05000	0.05000	0.08537	0.15000	0.17000	36

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.4.day_

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1.00	9.00	20.00	16.42	25.00	28.00	36

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.4.is_d

no NA's
501 36

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.4.mont

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1.000	4.000	10.000	7.559	11.000	11.000	36

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.4.plat

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1.000	2.000	3.000	3.447	5.000	8.000	36

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.4.plat

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
966	1366	1392	1396	1501	1670	36

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.4.quan

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0.940	2.000	2.000	2.288	2.000	4.540	36

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.4.sour

22 NA's
501 36

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.4.vol

6.7 10 26.7 40 NA's
41 35 102 323 36

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.4.year

2010 2011 NA's
355 146 36

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.5.bios

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1.005e+08	1.210e+08	1.210e+08	1.332e+08	1.210e+08	1.062e+09	53

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.5.cent

2 8 10 NA's
1 53 430 53

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.5.conc
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 0.0500 0.1400 0.1500 0.1382 0.1500 0.1700 53

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.5.day_
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 7.00 21.00 21.00 19.89 21.00 21.00 53

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.5.is_d
 no NA's
 484 53

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.5.mont
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 2.00 12.00 12.00 11.65 12.00 12.00 53

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.5.plat
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 1.000 3.000 5.000 5.428 8.000 12.000 53

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.5.plat
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 1251 2094 2098 1971 2102 2104 53

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.5.quan
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 0.870 1.860 2.000 1.914 2.000 3.000 53

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.5.sour
 22 NA's
 484 53

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.5.vol
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 6.67 13.30 13.30 15.84 13.30 60.00 53

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.5.year
 2010 2011 NA's
 81 403 53

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.6.addi
 fppp NA's
 2 535

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.6.addi
 tcga NA's
 2 535

```

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.6.bcr_
ffpe validation          NA's
                2          535

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.6.bios
  Min. 1st Qu.  Median    Mean 3rd Qu.  Max.  NA's
1.040e+08 1.210e+08 1.210e+08 1.377e+08 1.283e+08 1.050e+09  414

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.6.cent
  Min. 1st Qu.  Median    Mean 3rd Qu.  Max.  NA's
 1.000  10.000  10.000   9.569  10.000  10.000   414

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.6.conc
  Min. 1st Qu.  Median    Mean 3rd Qu.  Max.  NA's
 0.0500  0.0500  0.1400  0.1165  0.1500  0.1700   414

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.6.day_
  Min. 1st Qu.  Median    Mean 3rd Qu.  Max.  NA's
  7.00  16.00  21.00  18.02  21.00  21.00   414

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.6.is_d
no NA's
123  414

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.6.mont
  Min. 1st Qu.  Median    Mean 3rd Qu.  Max.  NA's
 1.000   5.000  12.000   8.927  12.000  12.000   414

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.6.plat
  Min. 1st Qu.  Median    Mean 3rd Qu.  Max.  NA's
  1.00   3.50   5.00   5.52   7.00  12.00   414

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.6.quant
  Min. 1st Qu.  Median    Mean 3rd Qu.  Max.  NA's
 0.870   1.860   2.000   2.249   2.260   6.800   414

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.6.sour
  22  23 NA's
118   5  414

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.6.volu
  Min. 1st Qu.  Median    Mean 3rd Qu.  Max.  NA's
  6.67  13.30  13.30  25.51  40.00  60.00   414

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.6.year
2011 2012 2013 2015 NA's
  83  35   4   1  414

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.7.addi
fppp NA's

```

2 535

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.7.addi
tcga NA's

2 535

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.7.bcr_
ffpe validation NA's

2 535

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.7.bios

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1.040e+08	1.082e+08	1.231e+08	3.204e+08	1.457e+08	1.062e+09	523

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.7.cent

1	5	8	10	NA's
3	1	1	9	523

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.7.conc

0.05	0.15	0.16	NA's
6	6	2	523

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.7.day_

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
7.00	8.00	14.00	13.57	16.00	21.00	523

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.7.is_d

no NA's
14 523

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.7.mont

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
2.000	2.000	3.000	5.286	9.500	12.000	523

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.7.plat

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1.000	3.000	4.000	4.643	6.000	10.000	523

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.7.quan

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1.000	1.302	2.000	2.016	2.098	4.010	523

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.7.sour

22	23	NA's
12	2	523

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.7.volu

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
------	---------	--------	------	---------	------	------

6.67 8.35 20.00 26.67 40.00 60.00 523

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.7.year
2011 2012 2013 NA's
10 2 2 523

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.8.addi
fpp NA's
2 535

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.8.addi
tcga NA's
2 535

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.8.bcr_
ffpe validation NA's
2 535

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.8.bios
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
1.210e+08 1.210e+08 1.210e+08 3.299e+08 1.322e+08 1.050e+09 528

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.8.cent
5 8 10 NA's
3 1 5 528

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.8.conc
0.05 0.15 0.16 NA's
1 6 2 528

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.8.day_
13 14 21 NA's
2 2 5 528

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.8.is_d
no NA's
9 528

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.8.mont
2 3 12 NA's
2 2 5 528

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.8.plat
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
2.000 3.000 3.000 3.778 4.000 7.000 528

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.8.quan
1.01 2 2.13 4.01 NA's

```

2      4      2      1  528

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.8.sour
22    23 NA's
7      2  528

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.8.volu
6.7 13.3 26.7  40 NA's
2      5      1      1  528

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.8.year
2011 2013 NA's
7      2  528

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.9.bios
      Min.    1st Qu.    Median    Mean    3rd Qu.    Max.    NA's
1.322e+08 1.322e+08 1.678e+08 5.064e+08 1.050e+09 1.050e+09    532

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.9.cent
8     10 NA's
3      2  532

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.9.conc
0.05 0.08 NA's
2      3  532

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.9.day_
3     14    21 NA's
2      2      1  532

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.9.is_d
no NA's
5     532

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.9.mont
1      2      8 NA's
1      2      2  532

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.9.plat
      Min. 1st Qu.  Median    Mean 3rd Qu.    Max.    NA's
1.0      3.0      5.0      5.2   8.0      9.0      532

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.9.plat
1553 1554 a469 a46w NA's
1      1      1      2  532

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.9.quan
1.07 1.6      2 NA's
1      2      2  532

```

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.9.source
 22 23 NA's
 2 3 532

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.9.volume
 13.4 20 40 NA's
 1 2 2 532

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.9.year
 2011 2015 NA's
 2 3 532

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.biospe
 Min. 1st Qu. Median Mean 3rd Qu. Max.
 9.651e+07 1.039e+08 1.040e+08 2.935e+08 1.322e+08 1.054e+09

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.center
 1 2 8
 137 399 1

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.concen
 Min. 1st Qu. Median Mean 3rd Qu. Max.
 0.1300 0.1400 0.1500 0.1499 0.1500 0.5000

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.day_of
 Min. 1st Qu. Median Mean 3rd Qu. Max.
 6.00 11.00 17.00 17.55 25.00 30.00

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.is_der
 no
 537

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.month_
 Min. 1st Qu. Median Mean 3rd Qu. Max.
 1.000 3.000 9.000 6.838 10.000 11.000

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.plate_
 Min. 1st Qu. Median Mean 3rd Qu. Max.
 1.000 2.000 3.000 3.352 5.000 8.000

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.quantit
 Min. 1st Qu. Median Mean 3rd Qu. Max.
 0.870 1.140 2.000 1.802 2.000 40.000

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.source
 22 23
 502 35

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.volume
 6.67 6.7 13.3 80
 61 76 399 1

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.year_o
 2010 2011 2013 2014
 355 147 21 14

patient.samples.sample.portions.portion.analytes.analyte.amount:
 Min. 1st Qu. Median Mean 3rd Qu. Max.
 1.9 62.4 127.0 163.0 193.4 864.6

patient.samples.sample.portions.portion.analytes.analyte.analyte_type:
 dna repli-g (qiagen) dna
 536 1

patient.samples.sample.portions.portion.analytes.analyte.analyte_type_id:
 d w
 536 1

patient.samples.sample.portions.portion.analytes.analyte.concentration:
 Min. 1st Qu. Median Mean 3rd Qu. Max.
 0.1300 0.1400 0.1500 0.1499 0.1500 0.5000

patient.samples.sample.portions.portion.analytes.analyte.dna.normal_tumor_genoty
 yes
 537

patient.samples.sample.portions.portion.analytes.analyte.dna.pcr_amplification_s
 no yes
 455 82

patient.samples.sample.portions.portion.analytes.analyte.gel_image_file:
<https://sharedoc.nchri.org/tcga-bcr/default.aspx>
 537

patient.samples.sample.portions.portion.analytes.analyte.is_derived_from_ffpe:
 no
 537

patient.samples.sample.portions.portion.analytes.analyte.protocols.protocol.exp
 adna preparation type repli-g
 536 1

patient.samples.sample.portions.portion.analytes.analyte.spectrophotometer_metho
 picogreen uv spec
 35 502

patient.samples.sample.portions.portion.analytes.analyte.subportion_sequence:

1	2	3	NA's
100	3	1	433

patient.samples.sample.portions.portion.day_of_creation:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.
1.00	10.00	13.00	15.98	22.00	31.00

patient.samples.sample.portions.portion.is_ffpe:

no
537

patient.samples.sample.portions.portion.month_of_creation:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.
1.000	5.000	8.000	6.933	9.000	12.000

patient.samples.sample.portions.portion.portion_number:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.
1.000	1.000	1.000	3.128	2.000	21.000

patient.samples.sample.portions.portion.portion_sequence:

1	2	NA's
28	24	485

patient.samples.sample.portions.portion.slides.slide.2.is_derived_from_ffpe:

no NA's
497 40

patient.samples.sample.portions.portion.slides.slide.2.percent_lymphocyte_infiltration:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0.00	1.00	2.00	4.24	5.00	25.00	487

patient.samples.sample.portions.portion.slides.slide.2.percent_monocyte_infiltration:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0.000	0.000	0.000	1.212	1.000	20.000	504

patient.samples.sample.portions.portion.slides.slide.2.percent_necrosis:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0.0000	0.0000	0.0000	0.9799	0.0000	25.0000	40

patient.samples.sample.portions.portion.slides.slide.2.percent_neutrophil_infiltration:

0	1	NA's
30	3	504

patient.samples.sample.portions.portion.slides.slide.2.percent_normal_cells:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0.000	0.000	0.000	1.106	0.000	55.000	54

patient.samples.sample.portions.portion.slides.slide.2.percent_stromal_cells:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 0.00 5.00 10.00 11.78 15.00 60.00 49

patient.samples.sample.portions.portion.slides.slide.2.percent_tumor_cells:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 30.00 85.00 90.00 86.39 95.00 100.00 42

patient.samples.sample.portions.portion.slides.slide.2.percent_tumor_nuclei:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 49.00 80.00 85.00 83.79 85.00 99.00 40

patient.samples.sample.portions.portion.slides.slide.2.section_location:
 bottom top NA's
 65 432 40

patient.samples.sample.portions.portion.slides.slide.is_derived_from_ffpe:
 no
 537

patient.samples.sample.portions.portion.slides.slide.percent_lymphocyte_infiltration:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 0.000 1.000 2.000 3.253 3.500 20.000 454

patient.samples.sample.portions.portion.slides.slide.percent_monocyte_infiltration:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 0.000 0.000 0.000 2.424 1.000 100.000 471

patient.samples.sample.portions.portion.slides.slide.percent_necrosis:
 Min. 1st Qu. Median Mean 3rd Qu. Max.
 0.000 0.000 0.000 1.471 0.000 30.000

patient.samples.sample.portions.portion.slides.slide.percent_neutrophil_infiltration:
 0 1 2 NA's
 60 4 1 472

patient.samples.sample.portions.portion.slides.slide.percent_normal_cells:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 0.000 0.000 0.000 1.057 0.000 55.000 12

patient.samples.sample.portions.portion.slides.slide.percent_stromal_cells:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 0.00 5.00 10.00 12.67 15.00 70.00 7

patient.samples.sample.portions.portion.slides.slide.percent_tumor_cells:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 22.00 80.00 90.00 85.13 93.00 100.00 2

patient.samples.sample.portions.portion.slides.slide.percent_tumor_nuclei:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.
60.00	80.00	85.00	83.96	85.00	100.00

patient.samples.sample.portions.portion.slides.slide.section_location:
 bottom top
 432 105

patient.samples.sample.portions.portion.weight:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.
3.00	32.00	36.00	46.48	39.00	180.00

patient.samples.sample.portions.portion.year_of_creation:
 2010 2011 2012 2013 2014
 411 70 35 19 2

patient.samples.sample.portions.shipment_portion.center_id:
 20 NA's
 477 60

patient.samples.sample.portions.shipment_portion.is_ffpe:
 no NA's
 477 60

patient.samples.sample.portions.shipment_portion.portion_number:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
2.00	3.00	21.00	14.62	21.00	41.00	60

patient.samples.sample.portions.shipment_portion.portion_sequence:
 1 2 3 NA's
 1 18 1 517

patient.samples.sample.portions.shipment_portion.shipment_portion_day_of_shipment:
 4 30 NA's
 453 24 60

patient.samples.sample.portions.shipment_portion.shipment_portion_month_of_shipment:
 5 7 NA's
 453 24 60

patient.samples.sample.portions.shipment_portion.shipment_portion_year_of_shipment:
 2011 2014 NA's
 453 24 60

patient.samples.sample.sample_type:
 primary tumor
 537

patient.samples.sample.sample_type_id:
 1

537

```
patient.samples.sample.shortest_dimension:
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.    NA's
  0.1000 0.2000  0.3000  0.3759 0.5000  1.0000    35
```

```
patient.samples.sample.vial_number:
  a  b
533 4
```

```
mRNA_cluster:
  1  2  3  4 NA's
147 90 94 86 120
```

```
microRNA_cluster:
  1  2  3  4 NA's
82 115 144 73 123
```

KIRP

*Kidney renal papillary cell carcinoma***Description**

A document describing the TCGA cancer code

Details

```
> experiments( KIRP )
ExperimentList class object of length 12:
 [1] CNASNP-20160128: RaggedExperiment with 300681 rows and 593 columns
 [2] CNVSNP-20160128: RaggedExperiment with 46914 rows and 590 columns
 [3] GISTIC_AllByGene-20160128: SummarizedExperiment with 24776 rows and 288 col
 [4] GISTIC_ThresholdedByGene-20160128: SummarizedExperiment with 24776 rows and
 [5] Methylation_methyl27-20160128: SummarizedExperiment with 27578 rows and 21
 [6] Methylation_methyl450-20160128: SummarizedExperiment with 485577 rows and 3
 [7] miRNASeqGene-20160128: SummarizedExperiment with 1046 rows and 326 columns
 [8] mRNAArray-20160128: SummarizedExperiment with 17814 rows and 16 columns
 [9] Mutation-20160128: RaggedExperiment with 15585 rows and 161 columns
 [10] RNASeq2GeneNorm-20160128: SummarizedExperiment with 20501 rows and 323 col
 [11] RNASeqGene-20160128: SummarizedExperiment with 20502 rows and 14 columns
 [12] RPPAArray-20160128: SummarizedExperiment with 195 rows and 216 columns

> rownames( KIRP )
CharacterList of length 12
[["CNASNP-20160128"]] character(0)
[["CNVSNP-20160128"]] character(0)
[["GISTIC_AllByGene-20160128"]] ACAP3 ACTRT2 ... WASIR1|ENSG00000185203.7
[["GISTIC_ThresholdedByGene-20160128"]] ACAP3 ... WASIR1|ENSG00000185203.7
[["Methylation_methyl27-20160128"]] cg00000292 cg000002426 ... cg27665659
[["Methylation_methyl450-20160128"]] cg00000029 cg00000108 ... rs9839873
```

```

[["miRNASeqGene-20160128"]] hsa-let-7a-1 hsa-let-7a-2 ... hsa-mir-99b
[["mRNAArray-20160128"]] ELMO2 CREB3L1 RPS11 PNMA1 ... SLC39A6 SNRPD2 AQP7 CTSC
[["Mutation-20160128"]] character(0)
[["RNASeq2GeneNorm-20160128"]] A1BG A1CF A2BP1 A2LD1 ... ZZZ3 psiTPTE22 tAKR
...
<2 more elements>

```

```

> colnames( KIRP )
CharacterList of length 12
[["CNASNP-20160128"]] TCGA-2K-A9WE-01A-11D-A381-01 ...
[["CNVSNP-20160128"]] TCGA-2K-A9WE-01A-11D-A381-01 ...
[["GISTIC_AllByGene-20160128"]] TCGA-2K-A9WE-01A-11D-A381-01 ...
[["GISTIC_ThresholdedByGene-20160128"]] TCGA-2K-A9WE-01A-11D-A381-01 ...
[["Methylation_methyl27-20160128"]] TCGA-AL-3466-01A-01D-1191-05 ...
[["Methylation_methyl450-20160128"]] TCGA-2K-A9WE-01A-11D-A383-05 ...
[["miRNASeqGene-20160128"]] TCGA-2K-A9WE-01A-11R-A38N-13 ...
[["mRNAArray-20160128"]] TCGA-AL-3466-01A-01R-1193-07 ...
[["Mutation-20160128"]] TCGA-A4-7286-01A-11D-2136-08 ...
[["RNASeq2GeneNorm-20160128"]] TCGA-2K-A9WE-01A-11R-A38C-07 ...
...
<2 more elements>

```

Sizes of each ExperimentList element:

		assay	size.Mb
1		CNASNP-20160128	8.2 Mb
2		CNVSNP-20160128	1.4 Mb
3		GISTIC_AllByGene-20160128	4.3 Mb
4		GISTIC_ThresholdedByGene-20160128	4.3 Mb
5		Methylation_methyl27-20160128	4.4 Mb
6		Methylation_methyl450-20160128	67.4 Mb
7		miRNASeqGene-20160128	0.1 Mb
8		mRNAArray-20160128	1 Mb
9		Mutation-20160128	9.9 Mb
10		RNASeq2GeneNorm-20160128	1.1 Mb
11		RNASeqGene-20160128	1.1 Mb
12		RPPAArray-20160128	0 Mb

Overall survival time-to-event summary (in years):

```

Call: survfit(formula = survival::Surv(colDat$days_to_death/365, colDat$vital_st
-1)

```

```

247 observations deleted due to missingness
n events median 0.95LCL 0.95UCL
44.00 44.00 1.76 1.35 3.60

```

Available sample meta-data:

```

-----

years_to_birth:
  Min. 1st Qu.  Median    Mean 3rd Qu.  Max.   NA's
  28.00  53.25   61.50   61.52  71.00   88.00    5

vital_status:
  0  1
247 44

days_to_death:
  Min. 1st Qu.  Median    Mean 3rd Qu.  Max.   NA's
 122.0  341.2   641.0   989.8 1498.5 2941.0  247

days_to_last_followup:
  Min. 1st Qu.  Median    Mean 3rd Qu.  Max.   NA's
   0.0  438.2   774.5 1070.2 1513.0 5925.0   45

tumor_tissue_site:
kidney
  291

pathologic_stage:
  stage i  stage ii  stage iii  stage iv  NA's
    173     21     52     15     30

pathology_N_stage:
  n0  n1  n2  nx NA's
  50  24  4  212  1

pathology_M_stage:
  m0  m1  mx NA's
  95  9  172  15

gender:
female  male
   77   214

date_of_initial_pathologic_diagnosis:
  Min. 1st Qu.  Median    Mean 3rd Qu.  Max.   NA's
 1996   2008   2011   2010   2012   2013    25

days_to_last_known_alive:
  34 NA's
   1 290

radiation_therapy:
  no  yes NA's
 209  1  81

```

karnofsky_performance_score:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0.00	90.00	90.00	87.66	100.00	100.00	214

histological_type:

kidney papillary renal cell carcinoma
291

number_pack_years_smoked:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
3.00	15.00	24.50	31.73	41.25	185.00	215

year_of_tobacco_smoking_onset:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1941	1961	1970	1972	1984	2010	235

race:

american indian or alaska native	2	asian	6
black or african american	61	white	207
NA's	15		

ethnicity:

hispanic or latino	12	not hispanic or latino	243	NA's	36
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admin.bcr:

nationwide children's hospital
291

admin.day_of_dcc_upload:

1
291

admin.disease_code:

kirp
291

admin.month_of_dcc_upload:

10
291

admin.patient_withdrawal.withdrawn:

false
291

admin.project_code:

tcga
291

admin.year_of_dcc_upload:

2015
291

patient.age_at_initial_pathologic_diagnosis:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
28.00	53.75	61.00	61.48	71.00	88.00	3

patient.clinical_cqcf.anatomic_neoplasm_subdivision:

left	right	NA's
153	120	18

patient.clinical_cqcf.consent_or_death_status:

consented	deceased
282	9

patient.clinical_cqcf.country:

canada	germany	united states	vietnam	NA's
9	17	216	6	43

patient.clinical_cqcf.days_to_consent:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
-2296.00	-12.00	0.00	-4.84	4.00	5559.00	34

patient.clinical_cqcf.days_to_death:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
331	343	1536	1479	2609	2941	282

patient.clinical_cqcf.histological_type:

kidney papillary renal cell carcinoma
291

patient.clinical_cqcf.history_of_neoadjuvant_treatment:

no
291

patient.clinical_cqcf.history_of_prior_malignancy:

no
235
yes, history of prior malignancy
38
yes, history of synchronous and or bilateral malignancy
18

patient.clinical_cqcf.normal_tissue_anatomic_site:

kidney	kidney; mixed	other	NA's
83	11	7	190

patient.clinical_cqcf.normal_tissue_proximity:

distal (>2cm)	NA's

92 199

patient.clinical_cqcf.other_anatomic_site_normal_tissue:
 blood cortex peripheral NA's
 7 1 1 282

patient.clinical_cqcf.tumor_type:
 primary
 291

patient.day_of_form_completion:
 Min. 1st Qu. Median Mean 3rd Qu. Max.
 1.00 10.00 16.00 15.71 23.00 31.00

patient.days_to_birth:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 -32142 -26082 -22640 -22634 -19676 -10323 5

patient.days_to_death:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 122.0 341.2 623.5 973.3 1478.0 2941.0 259

patient.days_to_initial_pathologic_diagnosis:
 0 NA's
 266 25

patient.days_to_last_followup:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 0.00 79.75 335.50 681.14 937.25 5559.00 35

patient.days_to_last_known_alive:
 34 NA's
 1 290

patient.drugs.drug.2.day_of_form_completion:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 1.00 10.50 16.00 16.42 26.25 28.00 279

patient.drugs.drug.2.days_to_drug_therapy_end:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 205.0 308.0 436.0 517.0 665.5 1058.0 280

patient.drugs.drug.2.days_to_drug_therapy_start:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 86.0 257.0 406.0 425.8 531.5 829.0 279

patient.drugs.drug.2.measure_of_response:
 clinical progressive disease complete response
 2 1

partial response						NA's	
			1				287

patient.drugs.drug.2.month_of_form_completion:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's	
2.000	4.000	5.000	5.833	9.000	10.000		279

patient.drugs.drug.2.number_cycles:

1	NA's	
2	289	

patient.drugs.drug.2.prescribed_dose:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's	
25.00	31.25	225.00	466.67	700.00	1500.00		285

patient.drugs.drug.2.prescribed_dose_units:

mg	NA's	
5	286	

patient.drugs.drug.2.regimen_indication:

adjuvant	other: specify in notes		progression
2		2	2
	NA's		
	285		

patient.drugs.drug.2.regimen_indication_notes:

metastasis	NA's	
1	290	

patient.drugs.drug.2.regimen_number:

1	2	3	NA's
3	2	1	285

patient.drugs.drug.2.route_of_administrations.route_of_administration:

intramuscular (im)	intravenous (iv)	oral	NA's
1	1	4	285

patient.drugs.drug.2.therapy_ongoing:

no	yes	NA's
11	1	279

patient.drugs.drug.2.therapy_types.therapy_type:

chemotherapy	other, specify
6	1
targeted molecular therapy	NA's
4	280

patient.drugs.drug.2.therapy_types.therapy_type_notes:

vaccine	NA's
1	290

patient.drugs.drug.2.tx_on_clinical_trial:

no NA's
6 285

patient.drugs.drug.2.year_of_form_completion:

2011 2012 2014 NA's
5 2 5 279

patient.drugs.drug.3.day_of_form_completion:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
3.00	13.00	24.00	19.14	26.50	28.00	284

patient.drugs.drug.3.days_to_drug_therapy_end:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
241.0	365.5	493.0	889.9	1183.0	2398.0	284

patient.drugs.drug.3.days_to_drug_therapy_start:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
175.0	253.0	472.0	693.3	777.0	2146.0	284

patient.drugs.drug.3.measure_of_response:

clinical progressive disease	complete response
1	1
NA's	
289	

patient.drugs.drug.3.month_of_form_completion:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
2.000	4.000	5.000	6.143	9.000	10.000	284

patient.drugs.drug.3.number_cycles:

1 NA's
1 290

patient.drugs.drug.3.prescribed_dose:

15	25	50	400	NA's
1	1	1	1	287

patient.drugs.drug.3.prescribed_dose_units:

mg NA's
4 287

patient.drugs.drug.3.regimen_indication:

other: specify in notes	progression	NA's
1	3	287

patient.drugs.drug.3.regimen_indication_notes:

metastasis	NA's
1	290

patient.drugs.drug.3.regimen_number:

2 4 NA's
3 1 287

patient.drugs.drug.3.route_of_administrations.route_of_administration:

intravenous (iv) oral NA's
2 2 287

patient.drugs.drug.3.therapy_ongoing:

no NA's
7 284

patient.drugs.drug.3.therapy_types.therapy_type:

chemotherapy targeted molecular therapy
5 2
NA's
284

patient.drugs.drug.3.tx_on_clinical_trial:

no NA's
3 288

patient.drugs.drug.3.year_of_form_completion:

2011 2014 NA's
4 3 284

patient.drugs.drug.4.bcr_drug_barcode:

tcga-bq-5879-d11687 tcga-bq-7048-d16995 tcga-ia-a83w-d56323 NA's
1 1 1 288

patient.drugs.drug.4.bcr_drug_uuid:

1b60764b-02aa-4b51-95dd-abf32830fd63 92e5e438-bb9c-4cdf-9daa-4ffd2a406599 1 1
d3be17c8-b8e5-4020-8a86-95080e6e2c0d NA's
1 288

patient.drugs.drug.4.day_of_form_completion:

3 13 29 NA's
1 1 1 288

patient.drugs.drug.4.days_to_drug_therapy_end:

601 2042 NA's
1 1 289

patient.drugs.drug.4.days_to_drug_therapy_start:

496 612 1880 NA's
1 1 1 288

patient.drugs.drug.4.drug_name:

cytotoxan sunitinib temsirolimus NA's
1 1 1 288

```

patient.drugs.drug.4.measure_of_response:
complete response          NA's
              1              290

patient.drugs.drug.4.month_of_form_completion:
  3   5   9 NA's
  1   1   1 288

patient.drugs.drug.4.number_cycles:
  4 NA's
  1 290

patient.drugs.drug.4.prescribed_dose:
 25  50 NA's
  1   1 289

patient.drugs.drug.4.prescribed_dose_units:
  mg NA's
  2 289

patient.drugs.drug.4.regimen_indication:
progression          NA's
              2              289

patient.drugs.drug.4.regimen_number:
  3   4 NA's
  1   1 289

patient.drugs.drug.4.route_of_administrations.route_of_administration:
intravenous (iv)          oral          NA's
              1              1              289

patient.drugs.drug.4.therapy_ongoing:
  no NA's
  3 288

patient.drugs.drug.4.therapy_types.therapy_type:
          chemotherapy targeted molecular therapy
              2              1
          NA's
          288

patient.drugs.drug.4.tx_on_clinical_trial:
  no NA's
  1 290

patient.drugs.drug.4.year_of_form_completion:
2011 2014 NA's
  2   1 288

patient.drugs.drug.5.bcr_drug_barcode:
tcga-bq-5879-d11686          NA's

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1 290

patient.drugs.drug.5.bcr_drug_uuid:
 09cfe30c-4580-4e9e-8d61-22a3ad817204 NA's
 1 290

patient.drugs.drug.5.day_of_form_completion:
 13 NA's
 1 290

patient.drugs.drug.5.days_to_drug_therapy_end:
 591 NA's
 1 290

patient.drugs.drug.5.days_to_drug_therapy_start:
 508 NA's
 1 290

patient.drugs.drug.5.drug_name:
 sorafenib NA's
 1 290

patient.drugs.drug.5.month_of_form_completion:
 5 NA's
 1 290

patient.drugs.drug.5.prescribed_dose:
 400 NA's
 1 290

patient.drugs.drug.5.prescribed_dose_units:
 mg NA's
 1 290

patient.drugs.drug.5.regimen_indication:
 other: specify in notes NA's
 1 290

patient.drugs.drug.5.regimen_indication_notes:
 previous trial closed, prescribed new medical treatment
 1
 NA's
 290

patient.drugs.drug.5.regimen_number:
 3 NA's
 1 290

patient.drugs.drug.5.route_of_administrations.route_of_administration:
 oral NA's
 1 290

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patient.drugs.drug.5.therapy_ongoing:
  no NA's
  1 290

patient.drugs.drug.5.therapy_types.therapy_type:
  targeted molecular therapy NA's
  1 290

patient.drugs.drug.5.year_of_form_completion:
  2011 NA's
  1 290

patient.drugs.drug.6.bcr_drug_barcode:
  tcga-bq-5879-d11683 NA's
  1 290

patient.drugs.drug.6.bcr_drug_uuid:
  75b02040-4cac-4c55-8cac-9624d0396034 NA's
  1 290

patient.drugs.drug.6.day_of_form_completion:
  13 NA's
  1 290

patient.drugs.drug.6.days_to_drug_therapy_end:
  430 NA's
  1 290

patient.drugs.drug.6.days_to_drug_therapy_start:
  192 NA's
  1 290

patient.drugs.drug.6.drug_name:
  sunitinib NA's
  1 290

patient.drugs.drug.6.month_of_form_completion:
  5 NA's
  1 290

patient.drugs.drug.6.number_cycles:
  6 NA's
  1 290

patient.drugs.drug.6.prescribed_dose:
  25 NA's
  1 290

patient.drugs.drug.6.prescribed_dose_units:
  mg NA's
  1 290

```

patient.drugs.drug.6.regimen_number:

1 NA's
1 290

patient.drugs.drug.6.route_of_administrations.route_of_administration:

oral NA's
1 290

patient.drugs.drug.6.therapy_ongoing:

no NA's
1 290

patient.drugs.drug.6.therapy_types.therapy_type:

targeted molecular therapy NA's
1 290

patient.drugs.drug.6.year_of_form_completion:

2011 NA's
1 290

patient.drugs.drug.day_of_form_completion:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1.00	12.00	14.00	16.13	25.00	30.00	268

patient.drugs.drug.days_to_drug_therapy_end:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
74.0	176.0	295.0	412.9	460.5	2146.0	272

patient.drugs.drug.days_to_drug_therapy_start:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
33.0	61.5	96.0	324.9	389.5	2042.0	268

patient.drugs.drug.measure_of_response:

clinical progressive disease	complete response
5	1
partial response	stable disease
2	2
NA's	
281	

patient.drugs.drug.month_of_form_completion:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
2.000	5.000	5.000	6.043	8.500	11.000	268

patient.drugs.drug.number_cycles:

2	4	6	7	NA's
2	2	1	1	285

patient.drugs.drug.prescribed_dose_units:

m[iu]	mg	mg/kg	mg/m2	NA's
1	7	1	1	281

patient.drugs.drug.regimen_indication:

adjuvant	other: specify in notes	progression
3	6	2
NA's		
280		

patient.drugs.drug.regimen_indication_notes:

metastasis	NA's
2	289

patient.drugs.drug.regimen_number:

1	2	3	NA's
8	2	1	280

patient.drugs.drug.route_of_administrations.route_of_administration:

intravenous (iv)	oral	subcutaneous (sc)	NA's
5	4	2	280

patient.drugs.drug.therapy_ongoing:

no	yes	NA's
20	2	269

patient.drugs.drug.therapy_types.therapy_type:

chemotherapy	immunotherapy
14	2
targeted molecular therapy	NA's
6	269

patient.drugs.drug.total_dose:

54 million units	700	NA's
1	1	289

patient.drugs.drug.total_dose_units:

mg	NA's
1	290

patient.drugs.drug.tx_on_clinical_trial:

no	yes	NA's
10	2	279

patient.drugs.drug.year_of_form_completion:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
2010	2011	2012	2012	2014	2014	268

patient.eastern_cancer_oncology_group:

0	1	2	3	NA's
65	17	3	3	203

patient.erythrocyte_sedimentation_rate_result:

elevated	low	normal	NA's
3	2	12	274

patient.ethnicity:

hispanic or latino	not hispanic or latino	NA's
12	243	36

patient.follow_ups.follow_up.2.additional_pharmaceutical_therapy:

no	yes	NA's
7	6	278

patient.follow_ups.follow_up.2.additional_radiation_therapy:

no	yes	NA's
9	2	280

patient.follow_ups.follow_up.2.additional_surgery_locoregional_procedure:

no	NA's
5	286

patient.follow_ups.follow_up.2.additional_surgery_metastatic_procedure:

no	yes	NA's
6	1	284

patient.follow_ups.follow_up.2.day_of_form_completion:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1.00	9.00	15.00	16.44	25.25	30.00	243

patient.follow_ups.follow_up.2.days_to_additional_surgery_metastatic_procedure:

NA's
376
1
290

patient.follow_ups.follow_up.2.days_to_death:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
241.0	324.8	610.5	825.4	897.8	2331.0	283

patient.follow_ups.follow_up.2.days_to_last_followup:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
14.0	694.2	1093.0	1206.8	1490.5	2839.0	251

patient.follow_ups.follow_up.2.days_to_new_tumor_event_after_initial_treatment:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
50.0	229.0	505.0	705.1	812.0	2399.0	282

patient.follow_ups.follow_up.2.eastern_cancer_oncology_group:

0	4	NA's
12	1	278

patient.follow_ups.follow_up.2.followup_case_report_form_submission_reason:

additional	new tumor event	scheduled follow-up	submission

patient.follow_ups.follow_up.2.year_of_form_completion:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 2011 2013 2014 2014 2014 2015 243

patient.follow_ups.follow_up.3.additional_pharmaceutical_therapy:
 yes NA's
 2 289

patient.follow_ups.follow_up.3.additional_radiation_therapy:
 no NA's
 2 289

patient.follow_ups.follow_up.3.additional_surgery_locoregional_procedure:
 no NA's
 1 290

patient.follow_ups.follow_up.3.additional_surgery_metastatic_procedure:
 no NA's
 2 289

patient.follow_ups.follow_up.3.day_of_form_completion:
 13 14 16 26 NA's
 1 1 1 2 286

patient.follow_ups.follow_up.3.days_to_death:
 697 NA's
 1 290

patient.follow_ups.follow_up.3.days_to_last_followup:
 14 1338 1615 2839 NA's
 1 1 1 1 287

patient.follow_ups.follow_up.3.days_to_new_tumor_event_after_initial_treatment:
 591 1858 NA's
 1 1 289

patient.follow_ups.follow_up.3.eastern_cancer_oncology_group:
 0 NA's
 1 290

patient.follow_ups.follow_up.3.followup_case_report_form_submission_reason:
 additional new tumor event scheduled follow-up submission
 1 3
 NA's
 287

patient.follow_ups.follow_up.3.followup_treatment_success:
 complete remission/response NA's
 3 288

```

patient.follow_ups.follow_up.3.karnofsky_performance_score:
  100 NA's
   1  290

patient.follow_ups.follow_up.3.lost_follow_up:
  no  yes NA's
   2   1 288

patient.follow_ups.follow_up.3.month_of_form_completion:
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.   NA's
   1.0   5.0    7.0    6.8   9.0   12.0   286

patient.follow_ups.follow_up.3.new_tumor_event_after_initial_treatment:
  no NA's
   2 289

patient.follow_ups.follow_up.3.person_neoplasm_cancer_status:
  tumor free with tumor    NA's
           2           2    287

patient.follow_ups.follow_up.3.primary_therapy_outcome_success:
  complete remission/response    NA's
                               1    290

patient.follow_ups.follow_up.3.radiation_therapy:
  no NA's
   1 290

patient.follow_ups.follow_up.3.targeted_molecular_therapy:
  no NA's
   1 290

patient.follow_ups.follow_up.3.vital_status:
  alive  dead  NA's
    4     1   286

patient.follow_ups.follow_up.3.year_of_form_completion:
  2011 2012 2014 NA's
    2   1   2 286

patient.follow_ups.follow_up.4.additional_pharmaceutical_therapy:
  yes NA's
   1 290

patient.follow_ups.follow_up.4.additional_radiation_therapy:
  yes NA's
   1 290

patient.follow_ups.follow_up.4.additional_surgery_metastatic_procedure:
  no NA's
   1 290

```

patient.follow_ups.follow_up.4.bcr_followup_barcode:
 tcga-bq-7048-f16726 NA's
 1 290

patient.follow_ups.follow_up.4.bcr_followup_uuid:
 df9f17cf-c3ca-470c-83a0-5b1a1bdcc7bc NA's
 1 290

patient.follow_ups.follow_up.4.day_of_form_completion:
 26 NA's
 1 290

patient.follow_ups.follow_up.4.days_to_last_followup:
 2839 NA's
 1 290

patient.follow_ups.follow_up.4.days_to_new_tumor_event_after_initial_treatment:
 2142 NA's
 1 290

patient.follow_ups.follow_up.4.followup_case_report_form_submission_reason:
 additional new tumor event NA's
 1 290

patient.follow_ups.follow_up.4.month_of_form_completion:
 9 NA's
 1 290

patient.follow_ups.follow_up.4.person_neoplasm_cancer_status:
 with tumor NA's
 1 290

patient.follow_ups.follow_up.4.vital_status:
 alive NA's
 1 290

patient.follow_ups.follow_up.4.year_of_form_completion:
 2011 NA's
 1 290

patient.follow_ups.follow_up.additional_pharmaceutical_therapy:
 no yes NA's
 33 9 249

patient.follow_ups.follow_up.additional_radiation_therapy:
 no yes NA's
 39 4 248

patient.follow_ups.follow_up.additional_surgery_locoregional_procedure:
 no yes NA's
 26 7 258

patient.follow_ups.follow_up.additional_surgery_metastatic_procedure:
 no yes NA's
 27 5 259

patient.follow_ups.follow_up.day_of_form_completion:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 1.00 11.25 17.00 18.39 26.00 31.00 29

patient.follow_ups.follow_up.days_to_additional_surgery_locoregional_procedure:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 65.0 223.0 343.0 379.9 538.5 728.0 284

patient.follow_ups.follow_up.days_to_additional_surgery_metastatic_procedure:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 137.0 147.0 412.0 792.8 974.0 2294.0 286

patient.follow_ups.follow_up.days_to_death:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 122.0 324.0 677.5 828.5 1326.5 2624.0 267

patient.follow_ups.follow_up.days_to_last_followup:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 4.0 403.5 708.0 998.4 1254.0 5925.0 60

patient.follow_ups.follow_up.days_to_new_tumor_event_after_initial_treatment:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 -35.0 212.0 360.0 675.0 743.8 3157.0 255

patient.follow_ups.follow_up.eastern_cancer_oncology_group:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 0.0000 0.0000 0.0000 0.4375 1.0000 4.0000 227

patient.follow_ups.follow_up.followup_case_report_form_submission_reason:
 additional new tumor event scheduled follow-up submission
 5 210
 NA's
 76

patient.follow_ups.follow_up.followup_treatment_success:
 complete remission/response progressive disease
 127 10
 stable disease NA's
 6 148

patient.follow_ups.follow_up.karnofsky_performance_score:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 0.00 90.00 100.00 88.79 100.00 100.00 233

patient.follow_ups.follow_up.lost_follow_up:
 no yes NA's

156 17 118

patient.follow_ups.follow_up.month_of_form_completion:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 1.000 3.000 6.000 6.511 10.000 12.000 29

patient.follow_ups.follow_up.new_tumor_event_after_initial_treatment:
 no yes NA's
 137 21 133

patient.follow_ups.follow_up.performance_status_scale_timing:
 at recurrence/progression of disease other
 1 16
 post adjuvant therapy post secondary therapy
 21 2
 NA's
 251

patient.follow_ups.follow_up.person_neoplasm_cancer_status:
 tumor free with tumor NA's
 204 35 52

patient.follow_ups.follow_up.primary_therapy_outcome_success:
 complete remission/response progressive disease
 139 2
 stable disease NA's
 4 146

patient.follow_ups.follow_up.radiation_therapy:
 no NA's
 157 134

patient.follow_ups.follow_up.targeted_molecular_therapy:
 no yes NA's
 152 3 136

patient.follow_ups.follow_up.vital_status:
 alive dead NA's
 234 24 33

patient.follow_ups.follow_up.year_of_form_completion:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 2010 2012 2014 2013 2014 2015 29

patient.gender:
 female male
 77 214

patient.height:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 61.0 166.0 173.0 171.8 180.0 193.0 78


```

patient.hemoglobin_result:
elevated      low      normal      NA's
      1          97      112          81

patient.histological_type:
kidney papillary renal cell carcinoma
                                291

patient.history_of_neoadjuvant_treatment:
no
291

patient.icd_10:
c64.1
  291

patient.icd_o_3_histology:
8260/3
  291

patient.icd_o_3_site:
c64.9
  291

patient.informed_consent_verified:
yes
291

patient.karnofsky_performance_score:
  Min. 1st Qu.  Median    Mean 3rd Qu.  Max.  NA's
  0.00  90.00  100.00  91.94  100.00  100.00  229

patient.lactate_dehydrogenase_result:
elevated      low      normal      NA's
      8          1          34          248

patient.laterality:
bilateral      left      right      NA's
      2          160          128          1

patient.lymph_node_examined_count:
  Min. 1st Qu.  Median    Mean 3rd Qu.  Max.  NA's
  1.0    2.0    7.0    10.1  15.0    34.0  239

patient.month_of_form_completion:
  Min. 1st Qu.  Median    Mean 3rd Qu.  Max.
  1.000  3.000  7.000  6.646  10.000  12.000

patient.new_tumor_events.new_tumor_event.additional_pharmaceutical_therapy:
no  yes NA's
  8   7  276

```

patient.new_tumor_events.new_tumor_event.additional_radiation_therapy:
 no yes NA's
 13 1 277

patient.new_tumor_events.new_tumor_event.days_to_new_tumor_event_after_initial_treatment:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 17.0 124.2 415.0 847.3 1253.5 3228.0 273

patient.new_tumor_events.new_tumor_event.locoregional_procedure.additional_surgery:
 no yes NA's
 9 7 275

patient.new_tumor_events.new_tumor_event.locoregional_procedure.days_to_additional_surgery:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 284.0 333.0 728.0 972.6 1491.0 2148.0 284

patient.new_tumor_events.new_tumor_event.metastatic_procedure.additional_surgery:
 no NA's
 8 283

patient.new_tumor_events.new_tumor_event_after_initial_treatment:
 no yes NA's
 140 18 133

patient.number_of_lymphnodes_positive:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 0.000 0.000 1.000 2.889 3.000 30.000 237

patient.number_pack_years_smoked:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 3.00 15.00 24.50 31.73 41.25 185.00 215

patient.performance_status_scale_timing:
 other post adjuvant therapy post secondary therapy
 52 2 1
 pre-operative NA's
 25 211

patient.person_neoplasm_cancer_status:
 tumor free with tumor NA's
 220 39 32

patient.platelet_qualitative_result:
 elevated low normal NA's
 7 16 183 85

patient.primary_lymph_node_presentation_assessment:
 no yes NA's
 232 55 4

patient.primary_therapy_outcome_success:

complete remission/response	partial remission/response
124	2
progressive disease	stable disease
3	5
NA's	
157	

patient.prior_dx:

	no
	235
	yes
	23
	yes, history of prior malignancy
	23
	yes, history of synchronous and or bilateral malignancy
	10

patient.race:

american indian or alaska native	2	asian	6
black or african american	61	white	207
NA's	15		

patient.radiation_therapy:

no	yes	NA's
159	1	131

patient.radiations.radiation.2.anatomic_treatment_site:

distant site	NA's
3	288

patient.radiations.radiation.2.bcr_radiation_barcode:

tcga-2z-a9j7-r66719	tcga-bq-5877-r11671	tcga-f9-a4jj-r46416	NA's
1	1	1	288

patient.radiations.radiation.2.bcr_radiation_uuid:

7039da56-a4c6-4645-9765-986fbfbd1808	f04498b9-c312-4d09-a99a-b2980f3f82fd	1	1
fa83f0cf-0902-404a-8a14-29592487b83f		1	NA's
			288

patient.radiations.radiation.2.course_number:

2	NA's
1	290

patient.radiations.radiation.2.day_of_form_completion:

7	13	22	NA's
1	1	1	288

patient.radiations.radiation.2.days_to_radiation_therapy_end:

```

105 134 211 NA's
  1   1   1 288

patient.radiations.radiation.2.days_to_radiation_therapy_start:
103 112 196 NA's
  1   1   1 288

patient.radiations.radiation.2.month_of_form_completion:
  5   8  10 NA's
  1   1   1 288

patient.radiations.radiation.2.numfractions:
  5  10  14 NA's
  1   1   1 288

patient.radiations.radiation.2.radiation_dosage:
2000 3000 3500 NA's
  1   1   1 288

patient.radiations.radiation.2.radiation_treatment_ongoing:
no NA's
  3 288

patient.radiations.radiation.2.radiation_type:
                                external other: specify in notes
                                2                               1
                                                                NA's
                                                                288

patient.radiations.radiation.2.radiation_type_notes:
palliative           NA's
  1                 290

patient.radiations.radiation.2.regimen_indication:
progression          NA's
  1                 290

patient.radiations.radiation.2.units:
cgy NA's
  3 288

patient.radiations.radiation.2.year_of_form_completion:
2011 2013 2014 NA's
  1   1   1 288

patient.radiations.radiation.3.anatomic_treatment_site:
distant site        NA's
  3                 288

patient.radiations.radiation.3.bcr_radiation_barcode:
tcga-2z-a9j7-r66721 tcga-bq-5877-r11673 tcga-f9-a4jj-r46417
  1                               1                               1
                                                                NA's
                                                                288

patient.radiations.radiation.3.bcr_radiation_uuid:

```

4b6955e9-c072-45ba-a535-b0623841f940 910da378-c792-4fc2-9b4e-5190e17ca13a
 1 1
 c2380807-915f-4c49-9cf8-a6543faa57f0 NA's
 1 288

patient.radiations.radiation.3.course_number:

2 NA's
 1 290

patient.radiations.radiation.3.day_of_form_completion:

7 13 22 NA's
 1 1 1 288

patient.radiations.radiation.3.days_to_radiation_therapy_end:

115 133 211 NA's
 1 1 1 288

patient.radiations.radiation.3.days_to_radiation_therapy_start:

103 133 196 NA's
 1 1 1 288

patient.radiations.radiation.3.month_of_form_completion:

5 8 10 NA's
 1 1 1 288

patient.radiations.radiation.3.numfractions:

1 5 10 NA's
 1 1 1 288

patient.radiations.radiation.3.radiation_dosage:

800 3000 NA's
 1 2 288

patient.radiations.radiation.3.radiation_treatment_ongoing:

no NA's
 3 288

patient.radiations.radiation.3.radiation_type:

external other: specify in notes
 2 1

NA's
 288

patient.radiations.radiation.3.radiation_type_notes:

palliative NA's
 1 290

patient.radiations.radiation.3.regimen_indication:

progression NA's
 1 290

patient.radiations.radiation.3.units:

cgY NA's
 3 288

patient.radiations.radiation.3.year_of_form_completion:
 2011 2013 2014 NA's
 1 1 1 288

patient.radiations.radiation.anatomic_treatment_site:
 distant recurrence distant site NA's
 2 7 282

patient.radiations.radiation.course_number:
 1 NA's
 5 286

patient.radiations.radiation.day_of_form_completion:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 7.00 13.00 13.00 16.33 22.00 28.00 282

patient.radiations.radiation.days_to_radiation_therapy_end:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 35.0 130.0 169.0 437.2 222.0 2497.0 282

patient.radiations.radiation.days_to_radiation_therapy_start:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 23.0 116.0 168.0 428.3 209.0 2497.0 282

patient.radiations.radiation.measure_of_response:
 radiographic progressive disease NA's
 1 290

patient.radiations.radiation.month_of_form_completion:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 2.000 5.000 5.000 6.556 9.000 11.000 282

patient.radiations.radiation.numfractions:
 1 5 6 10 NA's
 1 3 1 4 282

patient.radiations.radiation.radiation_dosage:
 600 1800 2000 3000 NA's
 1 1 2 5 282

patient.radiations.radiation.radiation_treatment_ongoing:
 no NA's
 9 282

patient.radiations.radiation.radiation_type:
 external external beam other: specify in notes
 3 3 3
 NA's
 282

```
patient.radiations.radiation.radiation_type_notes:
palliative      NA's
      3      288
```

```
patient.radiations.radiation.regimen_indication:
palliative progression recurrence      NA's
      2      3      1      285
```

```
patient.radiations.radiation.units:
cgy NA's
  9 282
```

```
patient.radiations.radiation.year_of_form_completion:
  Min. 1st Qu.  Median    Mean 3rd Qu.  Max.  NA's
 2010  2011    2011    2012  2013    2014  282
```

```
patient.serum_calcium_result:
elevated      low  normal  NA's
      6      41    134    110
```

```
patient.stage_event.clinical_stage:
  stage i  stage ii stage iii  stage iv  NA's
    141     21     29     11     89
```

```
patient.stage_event.pathologic_stage:
  stage i  stage ii stage iii  stage iv  NA's
    173     23     52     15     28
```

```
patient.stage_event.system_version:
 3rd  5th  6th  7th NA's
   1   6  79 176  29
```

```
patient.stage_event.tnm_categories.clinical_categories.clinical_m:
  m0  m1  mx NA's
 199  10  61  21
```

```
patient.stage_event.tnm_categories.clinical_categories.clinical_n:
  n0  n1  n2  nx NA's
 133  19  2  51  86
```

```
patient.stage_event.tnm_categories.pathologic_categories.pathologic_m:
  m0  m1  mx NA's
   95  9 172  15
```

```
patient.stage_event.tnm_categories.pathologic_categories.pathologic_n:
  n0  n1  n2  nx NA's
   50  24  4  212  1
```

```
patient.stopped_smoking_year:
```

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1968	1980	1994	1993	2006	2013	227

patient.targeted_molecular_therapy:

no	yes	NA's
153	6	132

patient.tissue_prospective_collection_indicator:

no	yes	NA's
186	99	6

patient.tissue_retrospective_collection_indicator:

no	yes	NA's
98	186	7

patient.tobacco_smoking_history:

current reformed smoker for < or = 15 years	85
current reformed smoker, duration not specified	11
current smoker	36
lifelong non-smoker	116
NA's	43

patient.tumor_tissue_site:

kidney	291
--------	-----

patient.tumor_type:

type 1	type 2	NA's
77	86	128

patient.vital_status:

alive	dead
259	32

patient.weight:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
35.00	73.00	86.05	87.19	101.12	178.00	71

patient.white_cell_count_result:

elevated	low	normal	NA's
44	11	152	84

patient.year_of_form_completion:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.
2010	2011	2013	2013	2014	2015


```

patient.year_of_initial_pathologic_diagnosis:
  Min. 1st Qu.  Median    Mean 3rd Qu.  Max.   NA's
  1996   2008   2011    2010   2012   2013    22

patient.year_of_tobacco_smoking_onset:
  Min. 1st Qu.  Median    Mean 3rd Qu.  Max.   NA's
  1941   1961   1970    1972   1984   2010   235

patient.bcr_canonical_check.bcr_patient_canonical_reasons.bcr_canonical_reason:
  case matched expression control
  29
  case matched methylation control
  26
  germline comparison
  17
primary tumor and additional primary tumor(s)
  1
  NA's
  218

patient.bcr_canonical_check.bcr_patient_canonical_reasons.bcr_canonical_reason.2
case matched methylation control          germline comparison
  25                                     10
  NA's
  256

patient.bcr_canonical_check.bcr_patient_canonical_reasons.bcr_canonical_reason.3
germline comparison          NA's
  4                          287

patient.bcr_canonical_check.bcr_patient_canonical_status:
  canonical canonical - plus
  218                          73

patient.biospecimen_cqcf.consent_or_death_status:
consented  deceased
  282      9

patient.biospecimen_cqcf.country:
  canada      germany united states      vietnam      NA's
  9           17          216          6          43

patient.biospecimen_cqcf.days_to_pathology_review:
  Min. 1st Qu.  Median    Mean 3rd Qu.  Max.   NA's
  0.0   57.0   181.0   733.8 1100.0 5602.0    25

patient.biospecimen_cqcf.days_to_sample_procurement:
  Min. 1st Qu.  Median    Mean 3rd Qu.  Max.   NA's
 -23.00   0.00   0.00   42.67   2.50 5559.00    25

patient.biospecimen_cqcf.digital_image_submitted:
no yes

```

253 38

patient.biospecimen_cqcf.ethnicity:

hispanic or latino not hispanic or latino

9

141

NA's

141

patient.biospecimen_cqcf.frozen_specimen_anatomic_site:

kidney

291

patient.biospecimen_cqcf.histological_type:

kidney papillary renal cell carcinoma

291

patient.biospecimen_cqcf.history_of_neoadjuvant_treatment:

no

291

patient.biospecimen_cqcf.laterality:

left right

163 128

patient.biospecimen_cqcf.maximum_tumor_dimension:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1.000	3.000	4.200	5.138	6.500	22.000	2

patient.biospecimen_cqcf.normal_controls.normal_control.2.days_to_normal_sample_

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
-51.0	0.0	0.0	162.2	25.0	5559.0	254

patient.biospecimen_cqcf.normal_controls.normal_control.2.extracted_dna.ncedna_d

0.123 0.243 NA's

1 1 289

patient.biospecimen_cqcf.normal_controls.normal_control.2.extracted_dna.ncedna_d

cdrop nanodrop NA's

1 1 289

patient.biospecimen_cqcf.normal_controls.normal_control.2.extracted_dna.ncedna_d

15 NA's

2 289

patient.biospecimen_cqcf.normal_controls.normal_control.2.extracted_dna.ncedna_d

61.73 122.4 NA's

1 1 289

patient.biospecimen_cqcf.normal_controls.normal_control.2.normal_tissue.normal_t

kidney NA's

30 261

patient.biospecimen_cqcf.normal_controls.normal_control.2.normal_tissue.normal_t
 distal (>2cm) NA's
 28 263

patient.biospecimen_cqcf.normal_controls.normal_control.2.vial_number:
 1 2 NA's
 33 8 250

patient.biospecimen_cqcf.normal_controls.normal_control.days_to_normal_sample_pr
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 -2296.00 0.00 0.00 72.57 16.00 5559.00 26

patient.biospecimen_cqcf.normal_controls.normal_control.extracted_dna.ncedna_dna
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 0.0442 0.2000 0.3145 67.7602 116.5550 550.0000 205

patient.biospecimen_cqcf.normal_controls.normal_control.extracted_dna.ncedna_dna
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 15.00 15.00 20.00 23.73 29.75 87.00 205

patient.biospecimen_cqcf.normal_controls.normal_control.extracted_dna.ncedna_dna
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 14.00 68.69 108.62 126.36 157.50 500.00 205

patient.biospecimen_cqcf.normal_controls.normal_control.normal_tissue.normal_tis
 kidney kidney; mixed other NA's
 53 10 8 220

patient.biospecimen_cqcf.normal_controls.normal_control.normal_tissue.normal_tis
 distal (>2cm) NA's
 63 228

patient.biospecimen_cqcf.normal_controls.normal_control.vial_number:
 1 2
 281 10

patient.biospecimen_cqcf.other_vessel_used:
 50ml conical bag biospecimen storage bag
 2 2 3
 NA's
 284

patient.biospecimen_cqcf.path_confirm_diagnosis_matching:
 no yes
 1 290

patient.biospecimen_cqcf.path_confirm_report_attached:

yes
291

patient.biospecimen_cqcf.path_confirm_tumor_necrosis_metrics:
yes
291

patient.biospecimen_cqcf.path_confirm_tumor_nuclei_metrics:
yes
291

patient.biospecimen_cqcf.race:
asian black or african american white
4 27 124
NA's
136

patient.biospecimen_cqcf.reason_path_confirm_diagnosis_not_matching:
pathology analysis at tss determined a specific histological subtype different f

patient.biospecimen_cqcf.sample_prescreened:
yes
291

patient.biospecimen_cqcf.site_of_disease:
kidney
291

patient.biospecimen_cqcf.submitted_for_lce:
no yes NA's
177 13 101

patient.biospecimen_cqcf.top_slide_submitted:
no yes
37 254

patient.biospecimen_cqcf.tumor_samples.tumor_sample.2.bcr_sample_uuid:
c27551a9-e0bd-4d67-803b-1074c12a8def eeb76126-f7f3-4b13-8c06-165b0c5bc41a
1 1
NA's
289

patient.biospecimen_cqcf.tumor_samples.tumor_sample.2.tumor_necrosis_percent:
0 10 NA's
1 1 289

patient.biospecimen_cqcf.tumor_samples.tumor_sample.2.tumor_nuclei_percent:
80 95 NA's
1 1 289

patient.biospecimen_cqcf.tumor_samples.tumor_sample.2.tumor_weight:
 40 120 NA's
 1 1 289

patient.biospecimen_cqcf.tumor_samples.tumor_sample.2.vial_number:
 1 2 NA's
 1 1 289

patient.biospecimen_cqcf.tumor_samples.tumor_sample.tumor_necrosis_percent:
 Min. 1st Qu. Median Mean 3rd Qu. Max.
 0.000 0.000 0.000 4.278 5.000 50.000

patient.biospecimen_cqcf.tumor_samples.tumor_sample.tumor_nuclei_percent:
 Min. 1st Qu. Median Mean 3rd Qu. Max.
 4.00 80.00 85.00 83.32 90.00 100.00

patient.biospecimen_cqcf.tumor_samples.tumor_sample.tumor_weight:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 14.0 135.0 200.0 308.9 340.0 3600.0 2

patient.biospecimen_cqcf.tumor_samples.tumor_sample.vial_number:
 1
 291

patient.biospecimen_cqcf.vessel_used:
 biospecimen storage bag cassette cryomold
 39 11 74
 cryovial other (please specify)
 160 7

patient.days_to_index:
 0 NA's
 266 25

patient.samples.sample.2.bcr_biospecimen_canonical_reasons.bcr_canonical_reason:
 primary tumor and additional primary tumor(s)
 1
 NA's
 290

patient.samples.sample.2.days_to_collection:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 17.0 134.8 426.0 851.4 1214.2 4013.0 139

patient.samples.sample.2.initial_weight:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 60.0 90.0 840.0 816.5 1610.0 1940.0 274

patient.samples.sample.2.intermediate_dimension:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0.3000	0.6000	0.8000	0.8512	1.0000	1.7000	250

patient.samples.sample.2.is_ffpe:

no
291

patient.samples.sample.2.longest_dimension:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0.500	1.000	1.300	1.339	1.700	2.300	250

patient.samples.sample.2.oct_embedded:

false	true	NA's
159	15	117

patient.samples.sample.2.pathology_report_file_name:

tcga-uz-a9ps.bae8c63f-81b6-431a-9431-23acac11bad0.pdf
1
NA's
290

patient.samples.sample.2.pathology_report_uuid:

bae8c63f-81b6-431a-9431-23acac11bad0
1
NA's
290

patient.samples.sample.2.portions.portion.analytes.analyte.2.a260_a280_ratio:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1.700	1.800	1.800	1.801	1.800	1.890	267

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.2.

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1.005e+08	1.005e+08	1.050e+09	6.071e+08	1.053e+09	1.054e+09	253

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.2.

7	10	13	NA's
21	13	4	253

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.2.

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0.1400	0.1500	0.1600	0.2716	0.5000	0.5000	253

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.2.

9	17	18	20	NA's
10	13	2	13	253

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.2.

no NA's
38 253

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.2.
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 1.000 3.000 8.000 6.474 9.000 9.000 253

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.2.
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 3.000 4.000 5.000 5.342 7.500 9.000 253

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.2.
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 1.860 2.033 4.010 15.677 40.000 40.000 253

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.2.
 22 23 NA's
 34 4 253

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.2.
 13.3 20 26.7 80 NA's
 11 4 10 13 253

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.2.
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 2010 2010 2011 2011 2011 2014 253

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.3.
 tcga-a4-a5y1-11a-11r-a466-07 NA's
 1 290

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.3.
 7dfa61df-2100-4d1c-a9a7-7f24ccb54755 NA's
 1 290

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.3.
 167812972 NA's
 1 290

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.3.
 7 NA's
 1 290

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.3.
 0.16 NA's
 1 290

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.3.
 9 NA's
 1 290

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.3.
 no NA's

1 290

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.3.

12 NA's

1 290

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.3.

5 NA's

1 290

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.3.

a466 NA's

1 290

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.3.

b NA's

1 290

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.3.

1.06 NA's

1 290

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.3.

23 NA's

1 290

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.3.

6.6 NA's

1 290

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.3.

2014 NA's

1 290

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.bi

	Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
	1.005e+08	1.210e+08	1.507e+08	2.633e+08	1.678e+08	1.054e+09	51

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.ce

7 8 10 13 NA's

4 79 136 21 51

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.co

	Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
	0.1400	0.5000	0.5000	0.4638	0.5000	0.5000	51

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.da

	Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
	6.00	8.00	12.00	13.34	19.00	28.00	51

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.is
no NA's
240 51

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.mo
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
1.000 4.000 6.000 5.958 7.000 10.000 51

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.pl
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
3.000 4.750 5.000 5.658 7.000 11.000 51

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.qu
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
2.08 40.00 40.00 36.13 40.00 40.00 51

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.sc
22 23 NA's
100 140 51

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.vo
13 20 80 NA's
4 21 215 51

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.ye
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
2010 2011 2013 2013 2014 2014 51

patient.samples.sample.2.portions.portion.analytes.analyte.2.amount:
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
6.2 92.5 166.0 143.3 184.8 212.2 187

patient.samples.sample.2.portions.portion.analytes.analyte.2.analyte_type:
repli-g (qiagen) dna rna NA's
215 25 51

patient.samples.sample.2.portions.portion.analytes.analyte.2.analyte_type_id:
r w NA's
25 215 51

patient.samples.sample.2.portions.portion.analytes.analyte.2.concentration:
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
0.1400 0.5000 0.5000 0.4165 0.5000 0.5000 187

patient.samples.sample.2.portions.portion.analytes.analyte.2.dna.normal_tumor_ge
yes NA's
215 76

patient.samples.sample.2.portions.portion.analytes.analyte.2.dna.pcr_amplification
 no yes NA's
 79 136 76

patient.samples.sample.2.portions.portion.analytes.analyte.2.gel_image_file:
<https://sharedoc.nchri.org/tcga-bcr/default.aspx>
 240
 NA's
 51

patient.samples.sample.2.portions.portion.analytes.analyte.2.is_derived_from_ffp
 no NA's
 240 51

patient.samples.sample.2.portions.portion.analytes.analyte.2.protocols.protocol.
 mirvana (allprep dna) rna repli-g repli-g x
 25 201 14
 NA's
 51

patient.samples.sample.2.portions.portion.analytes.analyte.2.rna.ratio_28s_18s:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 1.05 1.29 1.34 1.38 1.41 1.76 266

patient.samples.sample.2.portions.portion.analytes.analyte.2.rna.rinvalue:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 7.000 7.700 7.900 8.012 8.500 9.300 266

patient.samples.sample.2.portions.portion.analytes.analyte.2.spectrophotometer_m
 picogreen uv spec NA's
 49 55 187

patient.samples.sample.2.portions.portion.analytes.analyte.2.subportion_sequence
 1 2 NA's
 11 2 278

patient.samples.sample.2.portions.portion.analytes.analyte.3.aliquots.aliquot.2.
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 100512923 100512946 100512954 100512958 100512978 100512995 278

patient.samples.sample.2.portions.portion.analytes.analyte.3.aliquots.aliquot.2.
 10 NA's
 13 278

patient.samples.sample.2.portions.portion.analytes.analyte.3.aliquots.aliquot.2.
 0.5 NA's
 13 278

patient.samples.sample.2.portions.portion.analytes.analyte.3.aliquots.aliquot.2.
 20 NA's

13 278

patient.samples.sample.2.portions.portion.analytes.analyte.3.aliquots.aliquot.2.
no NA's
13 278

patient.samples.sample.2.portions.portion.analytes.analyte.3.aliquots.aliquot.2.
9 NA's
13 278

patient.samples.sample.2.portions.portion.analytes.analyte.3.aliquots.aliquot.2.
3 4 5 NA's
4 4 5 278

patient.samples.sample.2.portions.portion.analytes.analyte.3.aliquots.aliquot.2.
1249 NA's
13 278

patient.samples.sample.2.portions.portion.analytes.analyte.3.aliquots.aliquot.2.
40 NA's
13 278

patient.samples.sample.2.portions.portion.analytes.analyte.3.aliquots.aliquot.2.
22 NA's
13 278

patient.samples.sample.2.portions.portion.analytes.analyte.3.aliquots.aliquot.2.
80 NA's
13 278

patient.samples.sample.2.portions.portion.analytes.analyte.3.aliquots.aliquot.2.
2010 NA's
13 278

patient.samples.sample.2.portions.portion.analytes.analyte.3.aliquots.aliquot.bi
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
1.005e+08 1.005e+08 1.087e+08 3.650e+08 1.054e+09 1.054e+09 254

patient.samples.sample.2.portions.portion.analytes.analyte.3.aliquots.aliquot.ce
8 10 NA's
34 3 254

patient.samples.sample.2.portions.portion.analytes.analyte.3.aliquots.aliquot.co
0.5 NA's
37 254

patient.samples.sample.2.portions.portion.analytes.analyte.3.aliquots.aliquot.da
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
6.00 13.00 19.00 16.81 20.00 20.00 254

patient.samples.sample.2.portions.portion.analytes.analyte.3.aliquots.aliquot.is
no NA's
37 254

patient.samples.sample.2.portions.portion.analytes.analyte.3.aliquots.aliquot.mo
2 4 6 9 NA's
1 10 3 23 254

patient.samples.sample.2.portions.portion.analytes.analyte.3.aliquots.aliquot.pl
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
3.000 5.000 6.000 6.541 9.000 11.000 254

patient.samples.sample.2.portions.portion.analytes.analyte.3.aliquots.aliquot.qu
40 NA's
37 254

patient.samples.sample.2.portions.portion.analytes.analyte.3.aliquots.aliquot.sc
22 23 NA's
34 3 254

patient.samples.sample.2.portions.portion.analytes.analyte.3.aliquots.aliquot.vo
80 NA's
37 254

patient.samples.sample.2.portions.portion.analytes.analyte.3.aliquots.aliquot.ye
2010 2011 2012 2013 NA's
13 20 1 3 254

patient.samples.sample.2.portions.portion.analytes.analyte.3.amount:
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
59.0 92.0 157.0 133.9 164.8 201.0 257

patient.samples.sample.2.portions.portion.analytes.analyte.3.analyte_type:
repli-g (qiagen) dna repli-g x (qiagen) dna NA's
24 13 254

patient.samples.sample.2.portions.portion.analytes.analyte.3.analyte_type_id:
w x NA's
24 13 254

patient.samples.sample.2.portions.portion.analytes.analyte.3.concentration:
0.5 NA's
34 257

patient.samples.sample.2.portions.portion.analytes.analyte.3.dna.normal_tumor_ge
yes NA's
37 254

patient.samples.sample.2.portions.portion.analytes.analyte.3.dna.pcr_amplification
 no yes NA's
 34 3 254

patient.samples.sample.2.portions.portion.analytes.analyte.3.gel_image_file:
<https://sharedoc.nchri.org/tcga-bcr/default.aspx>
 37
 NA's
 254

patient.samples.sample.2.portions.portion.analytes.analyte.3.is_derived_from_ffp
 no NA's
 37 254

patient.samples.sample.2.portions.portion.analytes.analyte.3.protocols.protocol.
 repli-g repli-g x NA's
 24 13 254

patient.samples.sample.2.portions.portion.analytes.analyte.3.spectrophotometer_m
 picogreen uv spec NA's
 11 23 257

patient.samples.sample.2.portions.portion.analytes.analyte.3.subportion_sequence
 1 2 NA's
 2 1 288

patient.samples.sample.2.portions.portion.analytes.analyte.a260_a280_ratio:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 0.400 1.900 1.900 1.872 1.900 2.100 233

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.2.bi
 Min. 1st Qu. Median Mean 3rd Qu. Max.
 1.005e+08 1.244e+08 1.603e+08 2.741e+08 1.742e+08 1.076e+09

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.2.ce
 1 8 10
 103 14 174

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.2.co
 Min. 1st Qu. Median Mean 3rd Qu. Max.
 0.0500 0.0750 0.0800 0.1018 0.1450 0.1700

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.2.da
 Min. 1st Qu. Median Mean 3rd Qu. Max.
 7.00 17.00 18.00 19.16 25.00 30.00

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.2.is
 no
 291

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.2.mo
 Min. 1st Qu. Median Mean 3rd Qu. Max.
 1.000 3.000 6.000 5.595 8.000 12.000

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.2.pl
 Min. 1st Qu. Median Mean 3rd Qu. Max.
 1.000 4.000 5.000 5.306 7.000 10.000

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.2.qu
 Min. 1st Qu. Median Mean 3rd Qu. Max.
 0.870 1.010 2.800 2.356 3.200 3.600

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.2.sc
 22 23
 117 174

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.2.vo
 6.67 6.7 40 60
 90 13 174 14

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.2.ye
 2010 2011 2012 2013 2014
 16 59 52 71 93

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.3.bi
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 100511034 107031836 113625334 118568595 121000884 175154840 164

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.3.ce
 5 8 10 26 NA's
 3 101 6 17 164

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.3.co
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 0.0500 0.0500 0.0500 0.0763 0.0800 0.1700 164

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.3.da
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 1.00 9.00 17.00 13.84 18.00 25.00 164

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.3.is
 no NA's
 127 164

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.3.mo
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 1.000 3.000 6.000 5.417 8.000 10.000 164

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.3.pl
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 1.000 3.000 4.000 4.638 6.000 10.000 164

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.3.qu
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 0.160 1.700 2.000 2.348 3.000 4.010 164

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.3.so
 22 23 NA's
 116 11 164

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.3.vo
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 2.00 14.00 40.00 41.09 60.00 60.00 164

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.3.ye
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 2010 2011 2011 2011 2012 2015 164

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.4.bi
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 1.005e+08 1.070e+08 1.678e+08 2.915e+08 1.751e+08 1.054e+09 179

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.4.ce
 5 8 10 NA's
 39 2 71 179

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.4.co
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 0.0500 0.0800 0.0900 0.1109 0.1500 0.1700 179

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.4.da
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 1.000 1.000 1.000 7.598 17.000 20.000 179

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.4.is
 no NA's
 112 179

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.4.mo
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 1 8 10 8 10 10 179

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.4.pl
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 1.000 3.000 5.000 5.741 8.250 12.000 179

```

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.4.qu
  Min. 1st Qu.  Median      Mean 3rd Qu.    Max.   NA's
0.180  1.120  1.120  1.756  2.000  4.270   179

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.4.so
 22  23 NA's
 55  57 179

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.4.vo
  Min. 1st Qu.  Median      Mean 3rd Qu.    Max.   NA's
 2.00 13.30  14.00  15.78  14.00  40.00   179

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.4.ye
2010 2011 2012 2014 NA's
 13  40   2  57 179

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.5.bi
  Min. 1st Qu.  Median      Mean 3rd Qu.    Max.   NA's
100513673 167810407 167811486 161631886 175141792 175154870   240

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.5.ce
 10 NA's
 51 240

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.5.co
0.07 0.08 0.09 0.15 NA's
 10  38   1   2 240

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.5.da
 1  20  21 NA's
39  2  10 240

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.5.is
no NA's
 51 240

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.5.mo
 8  9 10 NA's
10  2 39 240

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.5.pl
  Min. 1st Qu.  Median      Mean 3rd Qu.    Max.   NA's
1.000  2.000  4.000  4.902  7.000 12.000   240

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.5.qu

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Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0.140	1.070	1.120	1.065	1.120	1.210	240

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.5.so
 22 23 NA's
 2 49 240

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.5.vo
 2 6.7 13.4 14 NA's
 1 2 10 38 240

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.5.ye
 2010 2013 2014 NA's
 2 10 39 240

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
167811542	175141731	175141742	173675702	175141744	175141746	281

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.6.bi
 10 NA's
 10 281

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.6.co
 0.07 0.08 NA's
 1 9 281

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.6.da
 1 NA's
 10 281

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.6.is
 no NA's
 10 281

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.6.mo
 10 NA's
 10 281

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1.0	7.0	8.5	8.1	10.0	12.0	281

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.6.pl
 a45y a45z NA's
 2 8 281

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.6.pl
 a g h NA's
 2 7 1 281

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.6.qu
 0.98 1.12 NA's
 1 9 281

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.6.so
 23 NA's
 10 281

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.6.vo
 14 NA's
 10 281

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.6.ye
 2014 NA's
 10 281

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.bios
 Min. 1st Qu. Median Mean 3rd Qu. Max.
 1.005e+08 1.244e+08 1.603e+08 2.739e+08 1.742e+08 1.076e+09

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.cent
 1 2 26
 188 75 28

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.conc
 0.13 0.14 0.15 0.16 0.17
 9 58 102 79 43

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.day_
 Min. 1st Qu. Median Mean 3rd Qu. Max.
 6.00 9.00 18.00 17.67 25.00 30.00

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.is_d
 no
 291

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.mont
 Min. 1st Qu. Median Mean 3rd Qu. Max.
 1.000 3.000 4.000 5.141 8.000 12.000

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.plat
 Min. 1st Qu. Median Mean 3rd Qu. Max.
 1.000 4.000 5.000 5.237 7.000 10.000

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.quan
 Min. 1st Qu. Median Mean 3rd Qu. Max.
 0.930 1.010 1.070 1.275 1.500 2.260

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.source
 22 23
 117 174

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.volume
 6.67 6.7 10 13.3
 14 174 60 43

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.year
 2010 2011 2012 2013 2014
 16 59 52 55 109

patient.samples.sample.2.portions.portion.analytes.analyte.amount:
 Min. 1st Qu. Median Mean 3rd Qu. Max.
 0.00 19.46 33.24 84.08 102.35 1110.00

patient.samples.sample.2.portions.portion.analytes.analyte.analyte_type:
 dna
 291

patient.samples.sample.2.portions.portion.analytes.analyte.analyte_type_id:
 d
 291

patient.samples.sample.2.portions.portion.analytes.analyte.concentration:
 0.13 0.14 0.15 0.16 0.17
 4 57 107 80 43

patient.samples.sample.2.portions.portion.analytes.analyte.dna.normal_tumor_genome
 yes
 291

patient.samples.sample.2.portions.portion.analytes.analyte.dna.pcr_amplification
 no yes
 109 182

patient.samples.sample.2.portions.portion.analytes.analyte.gel_image_file:
<https://sharedoc.nchri.org/tcga-bcr/default.aspx>
 291

patient.samples.sample.2.portions.portion.analytes.analyte.is_derived_from_ffpe:
 no
 291

patient.samples.sample.2.portions.portion.analytes.analyte.protocols.protocol.extra
 adna preparation type chemical lysis dna extraction
 150 45
 pre-extracted dna received by tss
 96

```

patient.samples.sample.2.portions.portion.analytes.analyte.spectrophotometer_met
picogreen    uv spec
           233           58

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patient.samples.sample.2.portions.portion.analytes.analyte.subportion_sequence:
  1    2 NA's
15    2  274

```

```

patient.samples.sample.2.portions.portion.day_of_creation:
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.
  1.00   6.00   14.00   15.91  27.00   31.00

```

```

patient.samples.sample.2.portions.portion.is_ffpe:
no
291

```

```

patient.samples.sample.2.portions.portion.month_of_creation:
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.
  1.000  2.000  3.000  5.155  8.000  12.000

```

```

patient.samples.sample.2.portions.portion.portion_number:
  1    2  11  12  22
273  1  15   1   1

```

```

patient.samples.sample.2.portions.portion.portion_sequence:
  1    2 NA's
94    1  196

```

```

patient.samples.sample.2.portions.portion.slides.slide.2.bcr_slide_barcode:
tcga-b3-3926-11a-01-ts1 tcga-b9-4113-11a-01-ts1          NA's
                        1                        1          289

```

```

patient.samples.sample.2.portions.portion.slides.slide.2.bcr_slide_uuid:
070052be-73bd-4b5b-a2ee-7f2aff93f202 2b81f0a5-dacc-4454-904a-681893fb3d6d
                        1                        1
                        NA's
                        289

```

```

patient.samples.sample.2.portions.portion.slides.slide.2.image_file_name:
tcga-b3-3926-11a-01-ts1.2b81f0a5-dacc-4454-904a-681893fb3d6d.svs
                                                                1
tcga-b9-4113-11a-01-ts1.070052be-73bd-4b5b-a2ee-7f2aff93f202.svs
                                                                1
                                                                NA's
                                                                289

```

```

patient.samples.sample.2.portions.portion.slides.slide.2.is_derived_from_ffpe:
no NA's
  2  289

```

patient.samples.sample.2.portions.portion.slides.slide.2.section_location:
 top NA's
 2 289

patient.samples.sample.2.portions.portion.slides.slide.is_derived_from_ffpe:
 no NA's
 58 233

patient.samples.sample.2.portions.portion.slides.slide.percent_lymphocyte_infiltration:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 0.000 0.000 1.000 2.588 3.000 15.000 274

patient.samples.sample.2.portions.portion.slides.slide.percent_monocyte_infiltration:
 0 1 2 NA's
 8 4 5 274

patient.samples.sample.2.portions.portion.slides.slide.percent_necrosis:
 0 NA's
 17 274

patient.samples.sample.2.portions.portion.slides.slide.percent_neutrophil_infiltration:
 0 1 2 NA's
 13 2 2 274

patient.samples.sample.2.portions.portion.slides.slide.percent_normal_cells:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 0.00 60.00 80.00 75.59 100.00 100.00 274

patient.samples.sample.2.portions.portion.slides.slide.percent_stromal_cells:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 0.00 0.00 10.00 19.12 40.00 50.00 274

patient.samples.sample.2.portions.portion.slides.slide.percent_tumor_cells:
 0 90 NA's
 16 1 274

patient.samples.sample.2.portions.portion.slides.slide.percent_tumor_nuclei:
 0 95 NA's
 16 1 274

patient.samples.sample.2.portions.portion.slides.slide.section_location:
 bottom top NA's
 2 56 233

patient.samples.sample.2.portions.portion.weight:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 1.00 2.00 2.00 17.87 30.00 123.00 141

patient.samples.sample.2.portions.portion.year_of_creation:

2010 2011 2012 2013 2014
 20 75 40 79 77

patient.samples.sample.2.portions.shipment_portion.bcr_shipment_portion_uuid:

46494a68-2269-4603-8d93-0b6b7d41ebe8 NA's
 1 290

patient.samples.sample.2.portions.shipment_portion.center_id:

20 NA's
 1 290

patient.samples.sample.2.portions.shipment_portion.is_ffpe:

no NA's
 1 290

patient.samples.sample.2.portions.shipment_portion.plate_id:

a39o NA's
 1 290

patient.samples.sample.2.portions.shipment_portion.portion_number:

21 NA's
 1 290

patient.samples.sample.2.portions.shipment_portion.shipment_portion_bcr_aliquot_

tcga-uz-a9ps-05a-21-a39o-20 NA's
 1 290

patient.samples.sample.2.portions.shipment_portion.shipment_portion_day_of_shipm

7 NA's
 1 290

patient.samples.sample.2.portions.shipment_portion.shipment_portion_month_of_shi

5 NA's
 1 290

patient.samples.sample.2.portions.shipment_portion.shipment_portion_year_of_ship

2014 NA's
 1 290

patient.samples.sample.2.sample_type:

additional - new primary blood derived normal solid tissue normal
 1 233 57

patient.samples.sample.2.sample_type_id:

5 10 11
 1 233 57

patient.samples.sample.2.shortest_dimension:

Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 0.1000 0.2000 0.3000 0.3171 0.4000 0.8000 250

patient.samples.sample.2.vial_number:

a	b	c
288	2	1

patient.samples.sample.3.bcr_biospecimen_canonical_reasons.bcr_canonical_reason:

germline comparison	NA's
11	280

patient.samples.sample.3.days_to_collection:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
28.00	66.25	77.00	152.62	152.00	588.00	275

patient.samples.sample.3.initial_weight:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
60.0	95.0	135.0	171.9	225.0	410.0	275

patient.samples.sample.3.intermediate_dimension:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0.40	0.50	0.50	0.62	0.70	1.00	276

patient.samples.sample.3.is_ffpe:

no NA's
32 259

patient.samples.sample.3.longest_dimension:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0.500	1.000	1.300	1.273	1.450	2.300	276

patient.samples.sample.3.oct_embedded:

false	true	NA's
14	3	274

patient.samples.sample.3.portions.portion.analytes.analyte.2.a260_a280_ratio:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1.700	1.800	1.820	1.833	1.900	1.920	282

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.2.

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1.005e+08	1.244e+08	1.457e+08	4.159e+08	1.054e+09	1.054e+09	278

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.2.

7	10	13	NA's
7	3	3	278

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.2.

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0.1400	0.1500	0.1600	0.2354	0.1700	0.5000	278

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.2.
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 7.00 17.00 20.00 20.15 26.00 27.00 278

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.2.
 no NA's
 13 278

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.2.
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 2.000 2.000 5.000 5.308 8.000 9.000 278

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.2.
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 1.000 1.000 4.000 4.077 6.000 9.000 278

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.2.
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 1.86 2.00 2.21 11.07 3.40 40.00 278

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.2.
 22 23 NA's
 8 5 278

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.2.
 13 13.3 20 80 NA's
 2 5 3 3 278

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.2.
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 2010 2011 2011 2012 2013 2014 278

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.bi
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 1.005e+08 1.323e+08 1.457e+08 2.895e+08 1.678e+08 1.054e+09 260

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.ce
 7 8 10 13 NA's
 3 5 16 7 260

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.co
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 0.140 0.165 0.500 0.389 0.500 0.500 260

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.da
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 6.0 8.0 16.0 16.0 22.5 27.0 260

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.is
no NA's
31 260

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.mo
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
2.000 3.000 5.000 5.742 8.000 10.000 260

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.pl
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
1.000 3.000 6.000 5.968 9.000 12.000 260

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.qu
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
2.08 3.10 40.00 27.99 40.00 40.00 260

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.sc
22 23 NA's
10 21 260

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.vo
13 20 80 NA's
3 7 21 260

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.ye
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
2010 2012 2013 2013 2014 2014 260

patient.samples.sample.3.portions.portion.analytes.analyte.2.amount:
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
14.34 20.30 79.00 79.63 105.20 187.00 276

patient.samples.sample.3.portions.portion.analytes.analyte.2.analyte_type:
repli-g (qiagen) dna rna NA's
21 10 260

patient.samples.sample.3.portions.portion.analytes.analyte.2.analyte_type_id:
r w NA's
10 21 260

patient.samples.sample.3.portions.portion.analytes.analyte.2.concentration:
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
0.1400 0.1500 0.1600 0.2707 0.5000 0.5000 276

patient.samples.sample.3.portions.portion.analytes.analyte.2.dna.normal_tumor_ge
yes NA's
21 270

patient.samples.sample.3.portions.portion.analytes.analyte.2.dna.pcr_amplification
 no yes NA's
 5 16 270

patient.samples.sample.3.portions.portion.analytes.analyte.2.gel_image_file:
<https://sharedoc.nchri.org/tcga-bcr/default.aspx>
 31
 NA's
 260

patient.samples.sample.3.portions.portion.analytes.analyte.2.is_derived_from_ffp
 no NA's
 31 260

patient.samples.sample.3.portions.portion.analytes.analyte.2.protocols.protocol.
 mirvana (allprep dna) rna repli-g repli-g x
 10 16 5
 NA's
 260

patient.samples.sample.3.portions.portion.analytes.analyte.2.rna.ratio_28s_18s:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 1.200 1.330 1.400 1.405 1.518 1.540 281

patient.samples.sample.3.portions.portion.analytes.analyte.2.rna.rinvalue:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 7.00 7.20 7.55 7.55 7.80 8.30 281

patient.samples.sample.3.portions.portion.analytes.analyte.2.spectrophotometer_m
 picogreen uv spec NA's
 2 13 276

patient.samples.sample.3.portions.portion.analytes.analyte.2.subportion_sequence
 1 2 NA's
 15 1 275

patient.samples.sample.3.portions.portion.analytes.analyte.3.aliquots.aliquot.2.
 tcga-b3-3925-11a-01x-1249-10 tcga-b3-4103-11a-01x-1249-10
 1 1
 tcga-b3-4104-11a-01x-1249-10 NA's
 1 288

patient.samples.sample.3.portions.portion.analytes.analyte.3.aliquots.aliquot.2.
 1af90e1e-c7e9-4049-8738-4407a3ae7520 eabffef5-99c5-4d72-b336-4a3e2c22c5fb
 1 1
 f39680e6-08be-48e8-8ef7-91599e6b5247 NA's
 1 288

patient.samples.sample.3.portions.portion.analytes.analyte.3.aliquots.aliquot.2.
 100512930 100512947 100512971 NA's
 1 1 1 288

```

patient.samples.sample.3.portions.portion.analytes.analyte.3.aliquots.aliquot.2.
  10 NA's
  3 288

patient.samples.sample.3.portions.portion.analytes.analyte.3.aliquots.aliquot.2.
  0.5 NA's
  3 288

patient.samples.sample.3.portions.portion.analytes.analyte.3.aliquots.aliquot.2.
  20 NA's
  3 288

patient.samples.sample.3.portions.portion.analytes.analyte.3.aliquots.aliquot.2.
  no NA's
  3 288

patient.samples.sample.3.portions.portion.analytes.analyte.3.aliquots.aliquot.2.
  9 NA's
  3 288

patient.samples.sample.3.portions.portion.analytes.analyte.3.aliquots.aliquot.2.
  4 NA's
  3 288

patient.samples.sample.3.portions.portion.analytes.analyte.3.aliquots.aliquot.2.
  1249 NA's
  3 288

patient.samples.sample.3.portions.portion.analytes.analyte.3.aliquots.aliquot.2.
  c     e     f NA's
  1     1     1 288

patient.samples.sample.3.portions.portion.analytes.analyte.3.aliquots.aliquot.2.
  40 NA's
  3 288

patient.samples.sample.3.portions.portion.analytes.analyte.3.aliquots.aliquot.2.
  22 NA's
  3 288

patient.samples.sample.3.portions.portion.analytes.analyte.3.aliquots.aliquot.2.
  80 NA's
  3 288

patient.samples.sample.3.portions.portion.analytes.analyte.3.aliquots.aliquot.2.
  2010 NA's
  3 288

patient.samples.sample.3.portions.portion.analytes.analyte.3.aliquots.aliquot.bi
  Min.   1st Qu.   Median     Mean   3rd Qu.     Max.     NA's

```

1.005e+08 1.184e+08 1.507e+08 3.646e+08 3.893e+08 1.054e+09 279

patient.samples.sample.3.portions.portion.analytes.analyte.3.aliquots.aliquot.ce

8 10 NA's

7 5 279

patient.samples.sample.3.portions.portion.analytes.analyte.3.aliquots.aliquot.co

0.5 NA's

12 279

patient.samples.sample.3.portions.portion.analytes.analyte.3.aliquots.aliquot.da

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
8.00	12.00	19.00	16.42	20.00	28.00	279

8.00 12.00 19.00 16.42 20.00 28.00 279

patient.samples.sample.3.portions.portion.analytes.analyte.3.aliquots.aliquot.is

no NA's

12 279

patient.samples.sample.3.portions.portion.analytes.analyte.3.aliquots.aliquot.mo

3 6 7 9 NA's

1 3 2 6 279

patient.samples.sample.3.portions.portion.analytes.analyte.3.aliquots.aliquot.pl

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
4.00	4.00	6.00	7.25	9.50	12.00	279

4.00 4.00 6.00 7.25 9.50 12.00 279

patient.samples.sample.3.portions.portion.analytes.analyte.3.aliquots.aliquot.qu

40 NA's

12 279

patient.samples.sample.3.portions.portion.analytes.analyte.3.aliquots.aliquot.so

22 23 NA's

7 5 279

patient.samples.sample.3.portions.portion.analytes.analyte.3.aliquots.aliquot.vo

80 NA's

12 279

patient.samples.sample.3.portions.portion.analytes.analyte.3.aliquots.aliquot.ye

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
2010	2011	2012	2012	2013	2014	279

2010 2011 2012 2012 2013 2014 279

patient.samples.sample.3.portions.portion.analytes.analyte.3.amount:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
77.0	100.0	162.0	138.7	170.5	191.0	284

77.0 100.0 162.0 138.7 170.5 191.0 284

patient.samples.sample.3.portions.portion.analytes.analyte.3.analyte_type:

repli-g (qiagen) dna	repli-g x (qiagen) dna	NA's
9	3	279

9

3

279

patient.samples.sample.3.portions.portion.analytes.analyte.3.analyte_type_id:
 w x NA's
 9 3 279

patient.samples.sample.3.portions.portion.analytes.analyte.3.concentration:
 0.5 NA's
 7 284

patient.samples.sample.3.portions.portion.analytes.analyte.3.dna.normal_tumor_ge
 yes NA's
 12 279

patient.samples.sample.3.portions.portion.analytes.analyte.3.dna.pcr_amplificati
 no yes NA's
 7 5 279

patient.samples.sample.3.portions.portion.analytes.analyte.3.gel_image_file:
<https://sharedoc.nchri.org/tcga-bcr/default.aspx>
 12
 NA's
 279

patient.samples.sample.3.portions.portion.analytes.analyte.3.is_derived_from_ffp
 no NA's
 12 279

patient.samples.sample.3.portions.portion.analytes.analyte.3.protocols.protocol.
 repli-g repli-g x NA's
 9 3 279

patient.samples.sample.3.portions.portion.analytes.analyte.3.spectrophotometer_m
 picogreen uv spec NA's
 4 3 284

patient.samples.sample.3.portions.portion.analytes.analyte.3.subportion_sequence
 1 NA's
 5 286

patient.samples.sample.3.portions.portion.analytes.analyte.a260_a280_ratio:
 1.9 2 NA's
 7 1 283

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.2.bi
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 1.005e+08 1.236e+08 1.507e+08 3.137e+08 1.641e+08 1.076e+09 259

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.2.ce
 1 5 8 10 NA's

10 1 5 16 259

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.2.co

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0.05000	0.07000	0.08000	0.09812	0.14000	0.17000	259

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.2.da

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
7.00	17.00	24.00	20.47	26.00	30.00	259

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.2.is

no NA's
32 259

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.2.mo

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1.000	2.000	7.000	5.875	8.250	12.000	259

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.2.pl

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1.0	6.0	8.0	7.5	10.0	12.0	259

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.2.qu

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0.870	1.070	2.800	2.407	3.200	3.600	259

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.2.sc

22 23 NA's
15 17 259

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.2.vo

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
6.67	6.70	40.00	31.87	40.00	60.00	259

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.2.ye

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
2010	2012	2012	2012	2013	2014	259

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.3.bi

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1.005e+08	1.136e+08	1.210e+08	1.807e+08	1.317e+08	1.050e+09	276

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.3.ce

5 8 10 26 NA's
4 6 1 4 276

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.3.co

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
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0.0500 0.0500 0.1400 0.1033 0.1400 0.1600 276

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.3.da
  Min. 1st Qu.  Median      Mean 3rd Qu.    Max.    NA's
  7.00  10.00   17.00   16.07  18.50   25.00   276

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.3.is
no NA's
15 276

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.3.mo
  Min. 1st Qu.  Median      Mean 3rd Qu.    Max.    NA's
  1.000  8.000   8.000   7.333  9.000  12.000   276

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.3.pl
  Min. 1st Qu.  Median      Mean 3rd Qu.    Max.    NA's
  1.000  2.000   4.000   5.267 10.000  12.000   276

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.3.qu
  Min. 1st Qu.  Median      Mean 3rd Qu.    Max.    NA's
  1.400  2.250   3.000   2.861  3.470  4.270   276

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.3.so
22 23 NA's
14 1 276

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.3.vo
10 26.7 40 60 NA's
4 4 1 6 276

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.3.ye
2010 2011 2012 NA's
3 5 7 276

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.4.bi
  Min. 1st Qu.  Median      Mean 3rd Qu.    Max.    NA's
1.005e+08 1.005e+08 1.050e+09 6.320e+08 1.054e+09 1.054e+09 282

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.4.ce
5 8 NA's
5 4 282

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.4.co
0.05 0.13 0.14 0.16 NA's
1 3 1 4 282

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.4.da
14 17 18 20 NA's

```

```

1      4      1      3      282

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.4.is
no NA's
9      282

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.4.mo
1      2      8      9 NA's
1      1      4      3      282

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.4.pl
3      4      5      10 NA's
1      3      1      4      282

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.4.pl
1252 1553 1963 2137 NA's
3      1      4      1      282

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.4.qu
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
1.400 1.600 1.730 1.783 2.000 2.130 282

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.4.so
22 NA's
9      282

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.4.vo
10 13.3 40 NA's
3      5      1      282

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.4.ye
2010 2011 2012 NA's
3      5      1      282

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.5.bo
tcga-b3-3925-11a-01d-1253-10 tcga-b3-4103-11a-01d-1253-10
1 1
tcga-b3-4104-11a-01d-1253-10 tcga-b9-4115-11a-01d-1554-10
1 1
NA's
287

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.5.bo
7c91f661-d4b2-439e-89d0-2f1987429d9b a540da82-d1a3-485a-9137-b513e2d8a766
1 1
e10322c1-fe04-4645-bf35-def600c39fba ef4d3bff-f62f-4cf0-a538-f6ae615f22e1
1 1
NA's
287

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.5.bi

```


100513692	100513746	100513763	1049985704	NA's
1	1	1	1	287

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.5.ce
10 NA's
4 287

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.5.co
0.05 0.14 0.16 NA's
1 1 2 287

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.5.da
14 20 NA's
1 3 287

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.5.is
no NA's
4 287

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.5.mo
2 9 NA's
1 3 287

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.5.pl
3 4 10 NA's
1 2 1 287

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.5.pl
1253 1554 NA's
3 1 287

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.5.pl
a b g NA's
1 1 2 287

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.5.qu
0.94 1.07 2 NA's
1 2 1 287

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.5.so
22 NA's
4 287

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.5.vo
6.7 40 NA's
3 1 287

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.5.ye
2010 2011 NA's
3 1 287

```
patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.bios
  Min. 1st Qu.  Median      Mean 3rd Qu.  Max.    NA's
1.005e+08 1.236e+08 1.507e+08 3.137e+08 1.641e+08 1.076e+09    259
```

```
patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.cent
  1    2    26 NA's
22    8    2  259
```

```
patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.conc
  Min. 1st Qu.  Median      Mean 3rd Qu.  Max.    NA's
0.1300 0.1475  0.1500  0.1516  0.1600  0.1700    259
```

```
patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.day_
  Min. 1st Qu.  Median      Mean 3rd Qu.  Max.    NA's
7.00   16.25   24.00   20.12   26.00   30.00    259
```

```
patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.is_d
no NA's
32  259
```

```
patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.mont
  Min. 1st Qu.  Median      Mean 3rd Qu.  Max.    NA's
2.000   2.000   7.000   5.938   8.250  12.000    259
```

```
patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.plat
  Min. 1st Qu.  Median      Mean 3rd Qu.  Max.    NA's
1.0     6.0     8.0     7.5    10.0    12.0    259
```

```
patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.quant
  Min. 1st Qu.  Median      Mean 3rd Qu.  Max.    NA's
0.930   1.010   1.070   1.228   1.325   2.130    259
```

```
patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.sour
22  23 NA's
15  17 259
```

```
patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.volu
6.67  6.7   10 13.3 NA's
5    17   6   4  259
```

```
patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.year
  Min. 1st Qu.  Median      Mean 3rd Qu.  Max.    NA's
2010   2012   2012   2012   2013   2014    259
```

```
patient.samples.sample.3.portions.portion.analytes.analyte.amount:
  Min. 1st Qu.  Median      Mean 3rd Qu.  Max.    NA's
5.62   23.11   33.67  128.29  214.95  531.94    259
```

```
patient.samples.sample.3.portions.portion.analytes.analyte.analyte_type:
```

```

dna NA's
32 259

patient.samples.sample.3.portions.portion.analytes.analyte.analyte_type_id:
d NA's
32 259

patient.samples.sample.3.portions.portion.analytes.analyte.concentration:
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.   NA's
0.1300 0.1400  0.1500  0.1509 0.1600  0.1700   259

patient.samples.sample.3.portions.portion.analytes.analyte.dna.normal_tumor_gene:
yes NA's
32 259

patient.samples.sample.3.portions.portion.analytes.analyte.dna.pcr_amplification:
no  yes NA's
14  18 259

patient.samples.sample.3.portions.portion.analytes.analyte.gel_image_file:
https://sharedoc.nchri.org/tcga-bcr/default.aspx
                                     32
                                     NA's
                                     259

patient.samples.sample.3.portions.portion.analytes.analyte.is_derived_from_ffpe:
no NA's
32 259

patient.samples.sample.3.portions.portion.analytes.analyte.protocols.protocol.execution_type:
adna preparation type                NA's
                                     32
                                     259

patient.samples.sample.3.portions.portion.analytes.analyte.spectrophotometer_method:
picogreen  uv spec    NA's
          24         8    259

patient.samples.sample.3.portions.portion.analytes.analyte.subportion_sequence:
1 2 NA's
15 1 275

patient.samples.sample.3.portions.portion.day_of_creation:
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.   NA's
  3.00  11.75  15.00  17.28  26.00  31.00   259

patient.samples.sample.3.portions.portion.is_ffpe:
no NA's
32 259

```

patient.samples.sample.3.portions.portion.month_of_creation:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1.000	3.000	6.000	7.031	11.000	12.000	259

patient.samples.sample.3.portions.portion.portion_number:

1	11	21	NA's
17	14	1	259

patient.samples.sample.3.portions.portion.portion_sequence:

1	2	NA's
12	1	278

patient.samples.sample.3.portions.portion.slides.slide.2.bcr_slide_barcode:

tcga-b3-3925-11a-01-ts1	tcga-b3-4103-11a-01-ts1	tcga-b3-4104-11a-01-ts1
1	1	1
NA's		
288		

patient.samples.sample.3.portions.portion.slides.slide.2.bcr_slide_uuid:

59c23c72-802f-4ad2-b35b-9075e3eeb2b3	9a56225a-cad5-46ad-aced-2c2e5756bf7
1	1
d2361968-53be-4e6a-89fb-c9a9a318b4c6	NA's
1	288

patient.samples.sample.3.portions.portion.slides.slide.2.image_file_name:

tcga-b3-3925-11a-01-ts1.59c23c72-802f-4ad2-b35b-9075e3eeb2b3.svs	1
tcga-b3-4103-11a-01-ts1.9a56225a-cad5-46ad-aced-2c2e5756bf7.svs	1
tcga-b3-4104-11a-01-ts1.d2361968-53be-4e6a-89fb-c9a9a318b4c6.svs	1
	NA's
	288

patient.samples.sample.3.portions.portion.slides.slide.2.is_derived_from_ffpe:

no	NA's
3	288

patient.samples.sample.3.portions.portion.slides.slide.2.section_location:

top	NA's
3	288

patient.samples.sample.3.portions.portion.slides.slide.is_derived_from_ffpe:

no	NA's
31	260

patient.samples.sample.3.portions.portion.slides.slide.percent_lymphocyte_infiltrate:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
------	---------	--------	------	---------	------	------

```

0.000  0.500  2.000  7.684  4.000  90.000  272

patient.samples.sample.3.portions.portion.slides.slide.percent_monocyte_infiltration:
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.    NA's
0.000  0.000  0.000  1.263  1.000  10.000  272

patient.samples.sample.3.portions.portion.slides.slide.percent_necrosis:
  0 NA's
16 275

patient.samples.sample.3.portions.portion.slides.slide.percent_neutrophil_infiltration:
  0 1 NA's
15 4 272

patient.samples.sample.3.portions.portion.slides.slide.percent_normal_cells:
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.    NA's
35.00  65.00  67.50  77.19 100.00  100.00  275

patient.samples.sample.3.portions.portion.slides.slide.percent_stromal_cells:
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.    NA's
0.00  0.00  32.50  22.81  35.00  65.00  275

patient.samples.sample.3.portions.portion.slides.slide.percent_tumor_cells:
  0 NA's
16 275

patient.samples.sample.3.portions.portion.slides.slide.percent_tumor_nuclei:
  0 NA's
16 275

patient.samples.sample.3.portions.portion.slides.slide.section_location:
bottom  top  NA's
  3    28  260

patient.samples.sample.3.portions.portion.weight:
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.    NA's
 1.00  30.00  30.00  35.87  44.50  78.00  260

patient.samples.sample.3.portions.portion.year_of_creation:
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.    NA's
2010  2012  2012  2012  2013  2014  259

patient.samples.sample.3.sample_type:
blood derived normal  solid tissue normal  NA's
                   1                   31  259

patient.samples.sample.3.sample_type_id:
  10 11 NA's
  1 31 259

patient.samples.sample.3.shortest_dimension:
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.    NA's

```

0.2000 0.3000 0.4000 0.3933 0.5000 0.6000 276

patient.samples.sample.3.vial_number:

a NA's
32 259

patient.samples.sample.days_to_collection:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
17.0	134.8	419.5	849.9	1214.2	4013.0	139

patient.samples.sample.diagnostic_slides.ffpe_slide_uuid.10:

1788b226-4334-4c00-afb7-02f64095c3ac	c3e7fc54-10cf-478c-alba-cda00691fa82	1	1
f49f9e52-bde3-4f0c-b4bd-eb6e25243736	f71d175f-5d9e-4bd2-a185-e0c1cale333e	1	1
	NA's	287	

patient.samples.sample.initial_weight:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
10.0	80.0	165.0	327.5	367.5	3450.0	117

patient.samples.sample.intermediate_dimension:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0.2000	0.6000	0.8000	0.8376	1.0000	2.0000	174

patient.samples.sample.is_ffpe:

no
291

patient.samples.sample.longest_dimension:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0.300	0.900	1.100	1.292	1.700	3.400	174

patient.samples.sample.oct_embedded:

false true NA's
79 95 117

patient.samples.sample.portions.portion.2.analytes.analyte.2.a260_a280_ratio:

1.8 NA's
10 281

patient.samples.sample.portions.portion.2.analytes.analyte.2.aliquots.aliquot.2.
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
103928775 103928799 103928822 103928820 103928840 103928870 281

patient.samples.sample.portions.portion.2.analytes.analyte.2.aliquots.aliquot.2.
7 NA's
10 281

patient.samples.sample.portions.portion.2.analytes.analyte.2.aliquots.aliquot.2.
0.15 NA's
10 281

patient.samples.sample.portions.portion.2.analytes.analyte.2.aliquots.aliquot.2.
18 NA's
10 281

patient.samples.sample.portions.portion.2.analytes.analyte.2.aliquots.aliquot.2.
no NA's
10 281

patient.samples.sample.portions.portion.2.analytes.analyte.2.aliquots.aliquot.2.
10 NA's
10 281

patient.samples.sample.portions.portion.2.analytes.analyte.2.aliquots.aliquot.2.
1 2 NA's
8 2 281

patient.samples.sample.portions.portion.2.analytes.analyte.2.aliquots.aliquot.2.
1351 NA's
10 281

patient.samples.sample.portions.portion.2.analytes.analyte.2.aliquots.aliquot.2.
4.01 NA's
10 281

patient.samples.sample.portions.portion.2.analytes.analyte.2.aliquots.aliquot.2.
22 NA's
10 281

patient.samples.sample.portions.portion.2.analytes.analyte.2.aliquots.aliquot.2.
26.7 NA's
10 281

patient.samples.sample.portions.portion.2.analytes.analyte.2.aliquots.aliquot.2.
2010 NA's

10 281

patient.samples.sample.portions.portion.2.analytes.analyte.2.aliquots.aliquot.bi
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
103949703 103949733 103949762 103949758 103949776 103949798 281

patient.samples.sample.portions.portion.2.analytes.analyte.2.aliquots.aliquot.ce
13 NA's
10 281

patient.samples.sample.portions.portion.2.analytes.analyte.2.aliquots.aliquot.co
0.15 NA's
10 281

patient.samples.sample.portions.portion.2.analytes.analyte.2.aliquots.aliquot.da
18 NA's
10 281

patient.samples.sample.portions.portion.2.analytes.analyte.2.aliquots.aliquot.is
no NA's
10 281

patient.samples.sample.portions.portion.2.analytes.analyte.2.aliquots.aliquot.mo
10 NA's
10 281

patient.samples.sample.portions.portion.2.analytes.analyte.2.aliquots.aliquot.pl
1 2 NA's
8 2 281

patient.samples.sample.portions.portion.2.analytes.analyte.2.aliquots.aliquot.pl
1350 NA's
10 281

patient.samples.sample.portions.portion.2.analytes.analyte.2.aliquots.aliquot.qu
3 NA's
10 281

patient.samples.sample.portions.portion.2.analytes.analyte.2.aliquots.aliquot.so
22 NA's
10 281

patient.samples.sample.portions.portion.2.analytes.analyte.2.aliquots.aliquot.vo
20 NA's
10 281

patient.samples.sample.portions.portion.2.analytes.analyte.2.aliquots.aliquot.ye
2010 NA's
10 281

patient.samples.sample.portions.portion.2.analytes.analyte.2.amount:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 156.3 194.3 240.3 243.8 274.1 403.3 281

patient.samples.sample.portions.portion.2.analytes.analyte.2.analyte_type:
 rna NA's
 10 281

patient.samples.sample.portions.portion.2.analytes.analyte.2.analyte_type_id:
 r NA's
 10 281

patient.samples.sample.portions.portion.2.analytes.analyte.2.concentration:
 0.14 0.15 0.16 NA's
 3 2 5 281

patient.samples.sample.portions.portion.2.analytes.analyte.2.gel_image_file:
<https://sharedoc.nchri.org/tcga-bcr/default.aspx>
 10
 NA's
 281

patient.samples.sample.portions.portion.2.analytes.analyte.2.is_derived_from_ffp:
 no NA's
 10 281

patient.samples.sample.portions.portion.2.analytes.analyte.2.protocols.protocol.
 mirvana (allprep dna) rna NA's
 10 281

patient.samples.sample.portions.portion.2.analytes.analyte.2.rna.ratio_28s_18s:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 1.000 1.450 1.650 1.620 1.775 2.000 281

patient.samples.sample.portions.portion.2.analytes.analyte.2.rna.rinvalue:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 7.00 7.40 8.05 7.95 8.25 9.50 281

patient.samples.sample.portions.portion.2.analytes.analyte.2.spectrophotometer_m
 uv spec NA's
 10 281

patient.samples.sample.portions.portion.2.analytes.analyte.3.aliquots.aliquot.2.
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 103929086 103929110 103929122 103929120 103929135 103929157 281

patient.samples.sample.portions.portion.2.analytes.analyte.3.aliquots.aliquot.2.

```

      8 NA's
    10 281

patient.samples.sample.portions.portion.2.analytes.analyte.3.aliquots.aliquot.2.
0.5 NA's
    10 281

patient.samples.sample.portions.portion.2.analytes.analyte.3.aliquots.aliquot.2.
15 NA's
    10 281

patient.samples.sample.portions.portion.2.analytes.analyte.3.aliquots.aliquot.2.
no NA's
    10 281

patient.samples.sample.portions.portion.2.analytes.analyte.3.aliquots.aliquot.2.
11 NA's
    10 281

patient.samples.sample.portions.portion.2.analytes.analyte.3.aliquots.aliquot.2.
  1    2 NA's
  6    4 281

patient.samples.sample.portions.portion.2.analytes.analyte.3.aliquots.aliquot.2.
1400 NA's
    10 281

patient.samples.sample.portions.portion.2.analytes.analyte.3.aliquots.aliquot.2.
40 NA's
    10 281

patient.samples.sample.portions.portion.2.analytes.analyte.3.aliquots.aliquot.2.
22 NA's
    10 281

patient.samples.sample.portions.portion.2.analytes.analyte.3.aliquots.aliquot.2.
80 NA's
    10 281

patient.samples.sample.portions.portion.2.analytes.analyte.3.aliquots.aliquot.2.
2010 NA's
    10 281

patient.samples.sample.portions.portion.2.analytes.analyte.3.aliquots.aliquot.bi
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.    NA's
1.04e+08 1.04e+08 1.04e+08 1.04e+08 1.04e+08 1.04e+08    281

patient.samples.sample.portions.portion.2.analytes.analyte.3.aliquots.aliquot.ce
10 NA's

```

```

10 281

patient.samples.sample.portions.portion.2.analytes.analyte.3.aliquots.aliquot.co
0.5 NA's
10 281

patient.samples.sample.portions.portion.2.analytes.analyte.3.aliquots.aliquot.da
15 NA's
10 281

patient.samples.sample.portions.portion.2.analytes.analyte.3.aliquots.aliquot.is
no NA's
10 281

patient.samples.sample.portions.portion.2.analytes.analyte.3.aliquots.aliquot.mo
11 NA's
10 281

patient.samples.sample.portions.portion.2.analytes.analyte.3.aliquots.aliquot.pl
1 2 NA's
6 4 281

patient.samples.sample.portions.portion.2.analytes.analyte.3.aliquots.aliquot.pl
1398 NA's
10 281

patient.samples.sample.portions.portion.2.analytes.analyte.3.aliquots.aliquot.qu
40 NA's
10 281

patient.samples.sample.portions.portion.2.analytes.analyte.3.aliquots.aliquot.sc
22 NA's
10 281

patient.samples.sample.portions.portion.2.analytes.analyte.3.aliquots.aliquot.vo
80 NA's
10 281

patient.samples.sample.portions.portion.2.analytes.analyte.3.aliquots.aliquot.ye
2010 NA's
10 281

patient.samples.sample.portions.portion.2.analytes.analyte.3.amount:
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.   NA's
51.00  78.25   86.00   81.10  90.25 100.00   281

patient.samples.sample.portions.portion.2.analytes.analyte.3.analyte_type:
repli-g (qiagen) dna                NA's
                   10                281

patient.samples.sample.portions.portion.2.analytes.analyte.3.analyte_type_id:

```

w NA's
10 281

patient.samples.sample.portions.portion.2.analytes.analyte.3.concentration:
0.5 NA's
10 281

patient.samples.sample.portions.portion.2.analytes.analyte.3.dna.normal_tumor_ge
yes NA's
10 281

patient.samples.sample.portions.portion.2.analytes.analyte.3.dna.pcr_amplificati
no NA's
10 281

patient.samples.sample.portions.portion.2.analytes.analyte.3.gel_image_file:
<https://sharedoc.nchri.org/tcga-bcr/default.aspx>
10
NA's
281

patient.samples.sample.portions.portion.2.analytes.analyte.3.is_derived_from_ffp
no NA's
10 281

patient.samples.sample.portions.portion.2.analytes.analyte.3.protocols.protocol.
repli-g NA's
10 281

patient.samples.sample.portions.portion.2.analytes.analyte.3.spectrophotometer_m
uv spec NA's
10 281

patient.samples.sample.portions.portion.2.analytes.analyte.4.aliquots.aliquot.2.
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
103927934 103927958 103927970 103927968 103927983 103928005 281

patient.samples.sample.portions.portion.2.analytes.analyte.4.aliquots.aliquot.2.
8 NA's
10 281

patient.samples.sample.portions.portion.2.analytes.analyte.4.aliquots.aliquot.2.
0.5 NA's
10 281

patient.samples.sample.portions.portion.2.analytes.analyte.4.aliquots.aliquot.2.
15 NA's
10 281

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patient.samples.sample.portions.portion.2.analytes.analyte.4.aliquots.aliquot.2.
no NA's
10 281

patient.samples.sample.portions.portion.2.analytes.analyte.4.aliquots.aliquot.2.
11 NA's
10 281

patient.samples.sample.portions.portion.2.analytes.analyte.4.aliquots.aliquot.2.
1 2 NA's
6 4 281

patient.samples.sample.portions.portion.2.analytes.analyte.4.aliquots.aliquot.2.
1401 NA's
10 281

patient.samples.sample.portions.portion.2.analytes.analyte.4.aliquots.aliquot.2.
40 NA's
10 281

patient.samples.sample.portions.portion.2.analytes.analyte.4.aliquots.aliquot.2.
22 NA's
10 281

patient.samples.sample.portions.portion.2.analytes.analyte.4.aliquots.aliquot.2.
80 NA's
10 281

patient.samples.sample.portions.portion.2.analytes.analyte.4.aliquots.aliquot.2.
2010 NA's
10 281

patient.samples.sample.portions.portion.2.analytes.analyte.4.aliquots.aliquot.bi
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
103927713 103928901 103928920 103928803 103928942 103928944 281

patient.samples.sample.portions.portion.2.analytes.analyte.4.aliquots.aliquot.ce
10 NA's
10 281

patient.samples.sample.portions.portion.2.analytes.analyte.4.aliquots.aliquot.co
0.5 NA's
10 281

patient.samples.sample.portions.portion.2.analytes.analyte.4.aliquots.aliquot.da
15 NA's
10 281

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patient.samples.sample.portions.portion.2.analytes.analyte.4.aliquots.aliquot.is
  no NA's
  10 281

patient.samples.sample.portions.portion.2.analytes.analyte.4.aliquots.aliquot.mo
  11 NA's
  10 281

patient.samples.sample.portions.portion.2.analytes.analyte.4.aliquots.aliquot.pl
  1    2 NA's
  6    4 281

patient.samples.sample.portions.portion.2.analytes.analyte.4.aliquots.aliquot.pl
1399 NA's
  10 281

patient.samples.sample.portions.portion.2.analytes.analyte.4.aliquots.aliquot.qu
  40 NA's
  10 281

patient.samples.sample.portions.portion.2.analytes.analyte.4.aliquots.aliquot.sc
  22 NA's
  10 281

patient.samples.sample.portions.portion.2.analytes.analyte.4.aliquots.aliquot.vo
  80 NA's
  10 281

patient.samples.sample.portions.portion.2.analytes.analyte.4.aliquots.aliquot.ye
2010 NA's
  10 281

patient.samples.sample.portions.portion.2.analytes.analyte.4.amount:
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.   NA's
  77.0   94.0   96.5   98.1  102.8  122.0   281

patient.samples.sample.portions.portion.2.analytes.analyte.4.analyte_type:
repli-g x (qiagen) dna                NA's
                   10                  281

patient.samples.sample.portions.portion.2.analytes.analyte.4.analyte_type_id:
  x NA's
  10 281

patient.samples.sample.portions.portion.2.analytes.analyte.4.concentration:
  0.5 NA's
  10 281

patient.samples.sample.portions.portion.2.analytes.analyte.4.dna.normal_tumor_ge

```

```

yes NA's
10 281

patient.samples.sample.portions.portion.2.analytes.analyte.4.dna.pcr_amplificati
no NA's
10 281

patient.samples.sample.portions.portion.2.analytes.analyte.4.gel_image_file:
https://sharedoc.nchri.org/tcga-bcr/default.aspx
10
NA's
281

patient.samples.sample.portions.portion.2.analytes.analyte.4.is_derived_from_ffp
no NA's
10 281

patient.samples.sample.portions.portion.2.analytes.analyte.4.protocols.protocol.
repli-g x NA's
10 281

patient.samples.sample.portions.portion.2.analytes.analyte.4.spectrophotometer_m
uv spec NA's
10 281

patient.samples.sample.portions.portion.2.analytes.analyte.a260_a280_ratio:
1.8 1.9 NA's
1 9 281

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.2.bi
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
103928391 103928421 103928450 103928446 103928464 103928486 281

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.2.ce
1 NA's
10 281

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.2.co
0.15 NA's
10 281

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.2.da
18 NA's
10 281

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.2.is
no NA's
10 281

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.2.mo

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10 NA's
10 281

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.2.pl
1 2 NA's
8 2 281

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.2.pl
1348 NA's
10 281

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.2.qu
1 NA's
10 281

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.2.sc
22 NA's
10 281

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.2.vo
6.67 NA's
10 281

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.2.ye
2010 NA's
10 281

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.3.bi
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
103928295 103928325 103928354 103928350 103928368 103928390 281

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.3.ce
5 NA's
10 281

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.3.co
0.15 NA's
10 281

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.3.da
18 NA's
10 281

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.3.is
no NA's
10 281

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.3.mo
10 NA's

10 281

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.3.pl

1 2 NA's

8 2 281

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.3.pl

1349 NA's

10 281

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.3.qu

4.01 NA's

10 281

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.3.sc

22 NA's

10 281

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.3.vo

26.7 NA's

10 281

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.3.ye

2010 NA's

10 281

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.4.bi

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
103928679	103928709	103928738	103928734	103928752	103928774	281

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.4.ce

10 NA's

10 281

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.4.co

0.05 NA's

10 281

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.4.da

15 NA's

10 281

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.4.is

no NA's

10 281

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.4.mo

11 NA's

10 281

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.4.pl
 1 2 NA's
 8 2 281

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.4.pl
 1402 NA's
 10 281

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.4.qu
 2 NA's
 10 281

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.4.so
 22 NA's
 10 281

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.4.vo
 40 NA's
 10 281

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.4.ye
 2010 NA's
 10 281

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.5.bi

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1.04e+08	1.04e+08	1.04e+08	1.04e+08	1.04e+08	1.04e+08	281

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.5.ce
 8 NA's
 10 281

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.5.co
 0.05 NA's
 10 281

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.5.da
 15 NA's
 10 281

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.5.is
 no NA's
 10 281

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.5.mo
 11 NA's
 10 281

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.5.pl
 1 2 NA's
 8 2 281

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.5.pl
 1403 NA's
 10 281

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.5.qu
 2 NA's
 10 281

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.5.sc
 22 NA's
 10 281

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.5.vo
 40 NA's
 10 281

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.5.ye
 2010 NA's
 10 281

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.bios

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
103949511	103949541	103949570	103949566	103949584	103949606	281

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.cent
 2 NA's
 10 281

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.conc
 0.15 NA's
 10 281

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.day_
 18 NA's
 10 281

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.is_d
 no NA's
 10 281

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.mont
 10 NA's
 10 281

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.plat

1 2 NA's
8 2 281

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.plat
1347 NA's
10 281

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.quan
2 NA's
10 281

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.sour
22 NA's
10 281

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.volu
13.3 NA's
10 281

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.year
2010 NA's
10 281

patient.samples.sample.portions.portion.2.analytes.analyte.amount:
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
127.1 152.1 181.1 190.5 211.6 305.1 281

patient.samples.sample.portions.portion.2.analytes.analyte.analyte_type:
dna NA's
10 281

patient.samples.sample.portions.portion.2.analytes.analyte.analyte_type_id:
d NA's
10 281

patient.samples.sample.portions.portion.2.analytes.analyte.concentration:
0.14 0.15 0.16 NA's
1 7 2 281

patient.samples.sample.portions.portion.2.analytes.analyte.dna.normal_tumor_genom
yes NA's
10 281

patient.samples.sample.portions.portion.2.analytes.analyte.dna.pcr_amplification
no NA's
10 281

patient.samples.sample.portions.portion.2.analytes.analyte.gel_image_file:
<https://sharedoc.nchri.org/tcga-bcr/default.aspx>

10
NA's
281

patient.samples.sample.portions.portion.2.analytes.analyte.is_derived_from_ffpe:
no NA's
10 281

patient.samples.sample.portions.portion.2.analytes.analyte.protocols.protocol.ex
adna preparation type NA's
10 281

patient.samples.sample.portions.portion.2.analytes.analyte.spectrophotometer_met
uv spec NA's
10 281

patient.samples.sample.portions.portion.2.day_of_creation:
3 30 NA's
1 9 281

patient.samples.sample.portions.portion.2.is_ffpe:
no NA's
10 281

patient.samples.sample.portions.portion.2.month_of_creation:
5 11 NA's
1 9 281

patient.samples.sample.portions.portion.2.portion_number:
2 NA's
10 281

patient.samples.sample.portions.portion.2.portion_sequence:
2 NA's
9 282

patient.samples.sample.portions.portion.2.slides.slide.2.is_derived_from_ffpe:
no NA's
10 281

patient.samples.sample.portions.portion.2.slides.slide.2.percent_necrosis:
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
0.0 0.0 2.5 3.8 5.0 15.0 281

patient.samples.sample.portions.portion.2.slides.slide.2.percent_normal_cells:
0 3 NA's
9 1 281

```

patient.samples.sample.portions.portion.2.slides.slide.2.percent_stromal_cells:
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.   NA's
  2.0    3.5    7.5    8.7   10.0   20.0   281

patient.samples.sample.portions.portion.2.slides.slide.2.percent_tumor_cells:
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.   NA's
  77.00  81.25  88.00  87.70  93.75  98.00   281

patient.samples.sample.portions.portion.2.slides.slide.2.percent_tumor_nuclei:
  75  80  85  90 NA's
  1   4  4  1  281

patient.samples.sample.portions.portion.2.slides.slide.2.section_location:
bottom  NA's
  10    281

patient.samples.sample.portions.portion.2.slides.slide.is_derived_from_ffpe:
no NA's
  10  281

patient.samples.sample.portions.portion.2.slides.slide.percent_necrosis:
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.   NA's
  0.0    0.5    3.0    3.4    4.5   10.0   281

patient.samples.sample.portions.portion.2.slides.slide.percent_normal_cells:
  0    5 NA's
  9    1  281

patient.samples.sample.portions.portion.2.slides.slide.percent_stromal_cells:
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.   NA's
  2.0    5.0    9.0    9.3   10.0   20.0   281

patient.samples.sample.portions.portion.2.slides.slide.percent_tumor_cells:
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.   NA's
  78.00  81.25  86.50  86.50  90.75  98.00   281

patient.samples.sample.portions.portion.2.slides.slide.percent_tumor_nuclei:
  75  80  85  90 NA's
  1   5  3  1  281

patient.samples.sample.portions.portion.2.slides.slide.section_location:
top NA's
  10  281

patient.samples.sample.portions.portion.2.weight:
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.   NA's
  10.0    20.0    38.0    33.6    40.0    70.0   281

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patient.samples.sample.portions.portion.2.year_of_creation:

2010	2012	NA's
1	9	281

patient.samples.sample.portions.portion.analytes.analyte.2.a260_a280_ratio:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1.630	1.800	1.860	1.859	1.900	2.120	41

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.2.bi

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1.005e+08	1.457e+08	1.641e+08	3.441e+08	1.678e+08	1.054e+09	15

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.2.ce

7	13	NA's
131	145	15

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.2.co

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0.1300	0.1500	0.1600	0.1628	0.1700	0.1800	15

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.2.da

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
7.00	17.00	18.00	19.04	25.25	30.00	15

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.2.is

no NA's	15
276	15

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.2.mo

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1.00	3.00	6.00	5.42	8.00	12.00	15

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.2.pl

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1.00	2.00	3.00	3.75	5.00	11.00	15

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.2.qu

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1.730	2.130	3.200	2.961	3.600	4.540	15

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.2.so

22	23	NA's
102	174	15

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.2.vo

13	13.3	20	26.7	NA's
29	74	145	28	15

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.2.ye
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 2010 2012 2013 2013 2014 2014 15

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.3.bi
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 150752720 150757358 150757375 150756915 150757378 150757434 281

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.3.ce
 7 NA's
 10 281

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.3.co
 0.14 0.15 0.16 0.17 NA's
 3 4 2 1 281

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.3.da
 2 NA's
 10 281

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.3.is
 no NA's
 10 281

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.3.mo
 10 NA's
 10 281

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.3.pl
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 1.00 2.25 4.00 3.90 5.75 7.00 281

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.3.pl
 a32z NA's
 10 281

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.3.pl
 a b h NA's
 5 4 1 281

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.3.qu
 1.82 1.95 2.08 2.21 NA's
 3 4 2 1 281

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.3.so
 23 NA's
 10 281

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.3.vo
 13 NA's

10 281

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.3.ye
2013 NA's

10 281

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.bios
Min. 1st Qu. Median Mean 3rd Qu. Max.
1.005e+08 1.290e+08 1.604e+08 2.897e+08 1.742e+08 1.076e+09

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.cent
7 13
160 131

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.conc
Min. 1st Qu. Median Mean 3rd Qu. Max.
0.1300 0.1500 0.1600 0.1619 0.1700 0.1800

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.day_
Min. 1st Qu. Median Mean 3rd Qu. Max.
7.00 17.00 18.00 19.35 25.00 30.00

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.is_d
no
291

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.mont
Min. 1st Qu. Median Mean 3rd Qu. Max.
1.000 3.000 6.000 5.553 8.000 12.000

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.plat
Min. 1st Qu. Median Mean 3rd Qu. Max.
1.000 2.000 3.000 3.911 5.000 11.000

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.quant
Min. 1st Qu. Median Mean 3rd Qu. Max.
1.820 2.210 2.600 2.697 3.100 4.270

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.sour
22 23
117 174

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.vol
13 20 26.7
145 131 15

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.year
2010 2011 2012 2013 2014

16 59 52 71 93

patient.samples.sample.portions.portion.analytes.analyte.2.amount:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.
6.92	39.83	56.18	106.67	149.40	520.20

patient.samples.sample.portions.portion.analytes.analyte.2.analyte_type:

rna
291

patient.samples.sample.portions.portion.analytes.analyte.2.analyte_type_id:

r
291

patient.samples.sample.portions.portion.analytes.analyte.2.concentration:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.
0.1300	0.1500	0.1600	0.1619	0.1700	0.1800

patient.samples.sample.portions.portion.analytes.analyte.2.gel_image_file:

<https://sharedoc.nchri.org/tcga-bcr/default.aspx>
291

patient.samples.sample.portions.portion.analytes.analyte.2.is_derived_from_ffpe:

no
291

patient.samples.sample.portions.portion.analytes.analyte.2.protocols.protocol.ex

allprep	rna	extraction	mirvana	(allprep dna)	rna
			15		276

patient.samples.sample.portions.portion.analytes.analyte.2.rna.ratio_28s_18s:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.
0.400	1.270	1.580	1.825	1.740	96.430

patient.samples.sample.portions.portion.analytes.analyte.2.rna.rinvalue:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.
7.000	7.900	8.600	8.502	9.050	10.000

patient.samples.sample.portions.portion.analytes.analyte.2.spectrophotometer_met

uv spec
291

patient.samples.sample.portions.portion.analytes.analyte.2.subportion_sequence:

1	2	NA's
254	14	23

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.2.bo

tcga-b9-4617-01a-01w-1248-10	NA's
1	290

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.2.bo
0a17febf-8e13-421c-886c-b88ca1102bf2 NA's
1 290

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.2.bi
100511244 NA's
1 290

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.2.ce
10 NA's
1 290

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.2.co
0.5 NA's
1 290

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.2.da
20 NA's
1 290

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.2.is
no NA's
1 290

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.2.mo
9 NA's
1 290

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.2.pl
3 NA's
1 290

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.2.pl
1248 NA's
1 290

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.2.pl
c NA's
1 290

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.2.qu
40 NA's
1 290

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.2.so
22 NA's
1 290

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.2.vo
80 NA's
1 290

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.2.ye
 2010 NA's
 1 290

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.bios
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 1.005e+08 1.210e+08 1.507e+08 2.624e+08 1.678e+08 1.054e+09 49

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.cent
 8 10 13 NA's
 88 139 15 49

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.conc
 0.1 0.5 NA's
 15 227 49

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.day_
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 6.00 8.00 12.00 13.85 19.00 28.00 49

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.is_d
 no NA's
 242 49

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.mont
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 2.000 4.000 7.000 6.045 8.000 10.000 49

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.plat
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 1.000 1.000 2.000 2.822 4.000 8.000 49

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.quant
 3 40 NA's
 15 227 49

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.sour
 22 23 NA's
 103 139 49

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.vol
 30 80 NA's
 15 227 49

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.year
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 2010 2011 2013 2012 2014 2014 49

patient.samples.sample.portions.portion.analytes.analyte.3.amount:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
15.0	162.0	173.0	177.8	182.5	589.0	188

patient.samples.sample.portions.portion.analytes.analyte.3.analyte_type:

repli-g (qiagen) dna	total rna	NA's
227	15	49

patient.samples.sample.portions.portion.analytes.analyte.3.analyte_type_id:

t	w	NA's
15	227	49

patient.samples.sample.portions.portion.analytes.analyte.3.concentration:

0.1	0.5	NA's
15	88	188

patient.samples.sample.portions.portion.analytes.analyte.3.dna.normal_tumor_genotype:

yes	NA's
227	64

patient.samples.sample.portions.portion.analytes.analyte.3.dna.pcr_amplification:

no	yes	NA's
88	139	64

patient.samples.sample.portions.portion.analytes.analyte.3.gel_image_file:

https://sharedoc.nchri.org/tcga-bcr/default.aspx	242	NA's
	49	

patient.samples.sample.portions.portion.analytes.analyte.3.is_derived_from_ffpe:

no	NA's
242	49

patient.samples.sample.portions.portion.analytes.analyte.3.protocols.protocol.execution:

repli-g	repli-g x	total rna	NA's
213	14	15	49

patient.samples.sample.portions.portion.analytes.analyte.3.spectrophotometer_method:

picogreen	uv spec	NA's
60	43	188

patient.samples.sample.portions.portion.analytes.analyte.3.subportion_sequence:

1	2	NA's
209	10	72

patient.samples.sample.portions.portion.analytes.analyte.4.aliquots.aliquot.2.biopsy:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
------	---------	--------	------	---------	------	------

100511197 100511216 100511234 100511339 100511248 100512972 275

patient.samples.sample.portions.portion.analytes.analyte.4.aliquots.aliquot.2.ce

10 NA's

16 275

patient.samples.sample.portions.portion.analytes.analyte.4.aliquots.aliquot.2.co

0.5 NA's

16 275

patient.samples.sample.portions.portion.analytes.analyte.4.aliquots.aliquot.2.da

20 NA's

16 275

patient.samples.sample.portions.portion.analytes.analyte.4.aliquots.aliquot.2.is

no NA's

16 275

patient.samples.sample.portions.portion.analytes.analyte.4.aliquots.aliquot.2.mo

9 NA's

16 275

patient.samples.sample.portions.portion.analytes.analyte.4.aliquots.aliquot.2.pl

1 2 3 NA's

6 7 3 275

patient.samples.sample.portions.portion.analytes.analyte.4.aliquots.aliquot.2.pl

1248 1249 NA's

15 1 275

patient.samples.sample.portions.portion.analytes.analyte.4.aliquots.aliquot.2.qu

40 NA's

16 275

patient.samples.sample.portions.portion.analytes.analyte.4.aliquots.aliquot.2.so

22 NA's

16 275

patient.samples.sample.portions.portion.analytes.analyte.4.aliquots.aliquot.2.vo

80 NA's

16 275

patient.samples.sample.portions.portion.analytes.analyte.4.aliquots.aliquot.2.ye

2010 NA's

16 275

patient.samples.sample.portions.portion.analytes.analyte.4.aliquots.aliquot.bios

	Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
100512178	100512638	100512662	100512616	100512687	100513260		275

100512178 100512638 100512662 100512616 100512687 100513260

275

```

patient.samples.sample.portions.portion.analytes.analyte.4.aliquots.aliquot.cent
  8 NA's
  16 275

patient.samples.sample.portions.portion.analytes.analyte.4.aliquots.aliquot.conc
  0.5 NA's
  16 275

patient.samples.sample.portions.portion.analytes.analyte.4.aliquots.aliquot.day_
  20 NA's
  16 275

patient.samples.sample.portions.portion.analytes.analyte.4.aliquots.aliquot.is_d
  no NA's
  16 275

patient.samples.sample.portions.portion.analytes.analyte.4.aliquots.aliquot.mont
  9 NA's
  16 275

patient.samples.sample.portions.portion.analytes.analyte.4.aliquots.aliquot.plat
  1 2 3 NA's
  6 7 3 275

patient.samples.sample.portions.portion.analytes.analyte.4.aliquots.aliquot.plat
1246 1247 NA's
  15 1 275

patient.samples.sample.portions.portion.analytes.analyte.4.aliquots.aliquot.quant
  40 NA's
  16 275

patient.samples.sample.portions.portion.analytes.analyte.4.aliquots.aliquot.sour
  22 NA's
  16 275

patient.samples.sample.portions.portion.analytes.analyte.4.aliquots.aliquot.volu
  80 NA's
  16 275

patient.samples.sample.portions.portion.analytes.analyte.4.aliquots.aliquot.year
2010 NA's
  16 275

patient.samples.sample.portions.portion.analytes.analyte.4.amount:
  Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
  52.00 76.25 80.50 79.12 87.00 100.00 275

patient.samples.sample.portions.portion.analytes.analyte.4.analyte_type:
  repli-g (qiagen) dna repli-g x (qiagen) dna NA's

```

15

1

275

patient.samples.sample.portions.portion.analytes.analyte.4.analyte_type_id:

w x NA's
15 1 275

patient.samples.sample.portions.portion.analytes.analyte.4.concentration:

0.5 NA's
16 275

patient.samples.sample.portions.portion.analytes.analyte.4.dna.normal_tumor_genom

yes NA's
16 275

patient.samples.sample.portions.portion.analytes.analyte.4.dna.pcr_amplification

no NA's
16 275

patient.samples.sample.portions.portion.analytes.analyte.4.gel_image_file:

<https://sharedoc.nchri.org/tcga-bcr/default.aspx>
16
NA's
275

patient.samples.sample.portions.portion.analytes.analyte.4.is_derived_from_ffpe:

no NA's
16 275

patient.samples.sample.portions.portion.analytes.analyte.4.protocols.protocol.ex

repli-g repli-g x NA's
15 1 275

patient.samples.sample.portions.portion.analytes.analyte.4.spectrophotometer_met

uv spec NA's
16 275

patient.samples.sample.portions.portion.analytes.analyte.5.aliquots.aliquot.2.bi

	Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
100512367	100512928	100512951	100512916	100512974	100512997		276

patient.samples.sample.portions.portion.analytes.analyte.5.aliquots.aliquot.2.ce

10 NA's
15 276

patient.samples.sample.portions.portion.analytes.analyte.5.aliquots.aliquot.2.co

0.5 NA's
15 276

patient.samples.sample.portions.portion.analytes.analyte.5.aliquots.aliquot.2.da
20 NA's
15 276

patient.samples.sample.portions.portion.analytes.analyte.5.aliquots.aliquot.2.is
no NA's
15 276

patient.samples.sample.portions.portion.analytes.analyte.5.aliquots.aliquot.2.mo
9 NA's
15 276

patient.samples.sample.portions.portion.analytes.analyte.5.aliquots.aliquot.2.pl
1 2 3 NA's
6 7 2 276

patient.samples.sample.portions.portion.analytes.analyte.5.aliquots.aliquot.2.pl
1249 NA's
15 276

patient.samples.sample.portions.portion.analytes.analyte.5.aliquots.aliquot.2.qu
40 NA's
15 276

patient.samples.sample.portions.portion.analytes.analyte.5.aliquots.aliquot.2.so
22 NA's
15 276

patient.samples.sample.portions.portion.analytes.analyte.5.aliquots.aliquot.2.vo
80 NA's
15 276

patient.samples.sample.portions.portion.analytes.analyte.5.aliquots.aliquot.2.ye
2010 NA's
15 276

patient.samples.sample.portions.portion.analytes.analyte.5.aliquots.aliquot.bios
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
100513213 100513226 100513240 100513264 100513264 100513556 276

patient.samples.sample.portions.portion.analytes.analyte.5.aliquots.aliquot.cent
8 NA's
15 276

patient.samples.sample.portions.portion.analytes.analyte.5.aliquots.aliquot.conc
0.5 NA's
15 276

patient.samples.sample.portions.portion.analytes.analyte.5.aliquots.aliquot.day_

```

20 NA's
15 276

patient.samples.sample.portions.portion.analytes.analyte.5.aliquots.aliquot.is_d
no NA's
15 276

patient.samples.sample.portions.portion.analytes.analyte.5.aliquots.aliquot.mont
9 NA's
15 276

patient.samples.sample.portions.portion.analytes.analyte.5.aliquots.aliquot.plat
1 2 3 NA's
6 7 2 276

patient.samples.sample.portions.portion.analytes.analyte.5.aliquots.aliquot.plat
1247 NA's
15 276

patient.samples.sample.portions.portion.analytes.analyte.5.aliquots.aliquot.quant
40 NA's
15 276

patient.samples.sample.portions.portion.analytes.analyte.5.aliquots.aliquot.sourc
22 NA's
15 276

patient.samples.sample.portions.portion.analytes.analyte.5.aliquots.aliquot.volun
80 NA's
15 276

patient.samples.sample.portions.portion.analytes.analyte.5.aliquots.aliquot.year
2010 NA's
15 276

patient.samples.sample.portions.portion.analytes.analyte.5.amount:
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.   NA's
  63.0   74.0   80.0   81.6   89.5  106.0   276

patient.samples.sample.portions.portion.analytes.analyte.5.analyte_type:
repli-g x (qiagen) dna                NA's
                   15                   276

patient.samples.sample.portions.portion.analytes.analyte.5.analyte_type_id:
x NA's
15 276

patient.samples.sample.portions.portion.analytes.analyte.5.concentration:
0.5 NA's

```

15 276

patient.samples.sample.portions.portion.analytes.analyte.5.dna.normal_tumor_genotype
yes NA's

15 276

patient.samples.sample.portions.portion.analytes.analyte.5.dna.pcr_amplification
no NA's

15 276

patient.samples.sample.portions.portion.analytes.analyte.5.gel_image_file:
<https://sharedoc.nchri.org/tcga-bcr/default.aspx>

15

NA's

276

patient.samples.sample.portions.portion.analytes.analyte.5.is_derived_from_ffpe:
no NA's

15 276

patient.samples.sample.portions.portion.analytes.analyte.5.protocols.protocol.execution
repli-g x NA's

15 276

patient.samples.sample.portions.portion.analytes.analyte.5.spectrophotometer_measurement
uv spec NA's

15 276

patient.samples.sample.portions.portion.analytes.analyte.a260_a280_ratio:

1.9 2 NA's

52 5 234

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.10.bcr
tcga-b9-4115-01a-01d-1554-10 NA's

1

290

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.10.bcr
0ed63d84-d3fe-4289-9255-35f4a03b703b NA's

1

290

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.10.bio
1049985699 NA's

1

290

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.10.cen
10 NA's

1 290

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.10.con
0.05 NA's

1 290

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.10.day
 14 NA's
 1 290

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.10.is_...
 no NA's
 1 290

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.10.mon...
 2 NA's
 1 290

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.10.pla...
 5 NA's
 1 290

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.10.pla...
 1554 NA's
 1 290

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.10.pla...
 g NA's
 1 290

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.10.qua...
 2 NA's
 1 290

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.10.sou...
 22 NA's
 1 290

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.10.vol...
 40 NA's
 1 290

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.10.yea...
 2011 NA's
 1 290

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.11.bcr...
 tcga-b9-4115-01a-01d-a45y-10 NA's
 1 290

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.11.bcr...
 1b7136cd-5298-48c7-ba4e-081f24b1702e NA's
 1 290

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.11.bio...
 167811548 NA's
 1 290

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.11.cen
10 NA's
1 290

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.11.com
0.08 NA's
1 290

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.11.day
1 NA's
1 290

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.11.is_
no NA's
1 290

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.11.mon
10 NA's
1 290

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.11.pla
4 NA's
1 290

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.11.pla
a45y NA's
1 290

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.11.pla
a NA's
1 290

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.11.qua
1.12 NA's
1 290

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.11.sou
23 NA's
1 290

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.11.vol
14 NA's
1 290

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.11.yea
2014 NA's
1 290

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.2.bios
Min. 1st Qu. Median Mean 3rd Qu. Max.

1.005e+08 1.244e+08 1.603e+08 2.740e+08 1.742e+08 1.076e+09

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.2.cent
 1 5 8 10
 103 10 14 164

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.2.conc
 Min. 1st Qu. Median Mean 3rd Qu. Max.
 0.0500 0.0800 0.0800 0.1049 0.1500 0.1700

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.2.day_
 Min. 1st Qu. Median Mean 3rd Qu. Max.
 7.00 17.00 18.00 19.35 25.00 30.00

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.2.is_d
 no
 291

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.2.mont
 Min. 1st Qu. Median Mean 3rd Qu. Max.
 1.000 3.000 6.000 5.553 8.000 12.000

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.2.plat
 Min. 1st Qu. Median Mean 3rd Qu. Max.
 1.000 1.000 3.000 3.137 5.000 8.000

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.2.quant
 Min. 1st Qu. Median Mean 3rd Qu. Max.
 0.800 1.010 2.800 2.333 3.200 3.600

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.2.sour
 22 23
 117 174

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.2.vol
 6.67 6.7 13 40 60
 87 16 10 164 14

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.2.year
 2010 2011 2012 2013 2014
 16 59 52 71 93

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.3.bios
 Min. 1st Qu. Median Mean 3rd Qu. Max.
 100514754 113625018 145676835 141081521 164082938 174163487

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.3.cent
 5 8 10

194 87 10

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.3.conc

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.
0.0500	0.0500	0.1500	0.1212	0.1600	0.1700

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.3.day_

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.
7.00	17.00	18.00	19.35	25.00	30.00

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.3.is_d

no
291

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.3.mont

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.
1.000	3.000	6.000	5.553	8.000	12.000

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.3.plat

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.
1.000	1.000	3.000	3.175	5.000	8.000

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.3.quant

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.
1.820	1.950	2.080	2.374	3.000	4.270

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.3.sour

22 23
117 174

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.3.vol

13	13.3	26.7	40	60
164	14	16	37	60

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.3.year

2010	2011	2012	2013	2014
16	59	52	71	93

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.4.bios

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1.005e+08	1.070e+08	1.244e+08	3.480e+08	1.752e+08	1.054e+09	159

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.4.cent

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1.000	5.000	5.000	8.318	8.000	26.000	159

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.4.conc

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
------	---------	--------	------	---------	------	------

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0.0800 0.1400 0.1500 0.1452 0.1525 0.1700 159

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.4.day_
  Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
  1.00 9.00 17.00 13.74 18.00 21.00 159

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.4.is_d
  no NA's
  132 159

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.4.mont
  Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
  1.000 3.000 8.000 5.735 9.000 10.000 159

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.4.plat
  Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
  1.000 1.000 2.000 2.735 4.000 12.000 159

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.4.quan
  Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
  0.940 1.500 2.000 2.228 2.130 4.540 159

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.4.sour
  22 23 NA's
  116 16 159

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.4.volun
  Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
  6.70 10.00 13.30 15.31 14.00 40.00 159

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.4.year
  Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
  2010 2011 2011 2012 2012 2014 159

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.5.bios
  Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
  100513522 167811480 167811829 161744443 175141788 175154846 180

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.5.cent
  10 NA's
  111 180

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.5.conc
  Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
  0.0700 0.0800 0.0800 0.0882 0.0800 0.1600 180

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.5.day_
  1 20 21 NA's

```



```

94 16 1 180

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.5.is_d
no NA's
111 180

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.5.mont
1 9 10 NA's
1 16 94 180

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.5.plat
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
1.000 2.000 5.000 5.387 9.000 12.000 180

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.5.quan
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
0.490 1.010 1.120 1.074 1.120 1.260 180

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.5.sour
22 23 NA's
16 95 180

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.5.volun
6.7 7 13.4 14 NA's
16 1 1 93 180

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.5.year
2010 2014 2015 NA's
16 94 1 180

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.6.bios
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
1.040e+08 1.678e+08 1.678e+08 2.215e+08 1.678e+08 1.050e+09 278

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.6.cent
2 8 10 NA's
1 3 9 278

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.6.conc
0.05 0.07 0.08 0.16 NA's
3 3 6 1 278

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.6.day_
1 7 14 NA's
9 3 1 278

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.6.is_d
no NA's

```

13 278

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.6.mont

2	10	NA's
4	9	278

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.6.plat

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1.000	3.000	3.000	5.154	7.000	12.000	278

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.6.plat

1458	1547	a45y	a460	NA's
3	1	8	1	278

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.6.quant

0.98	1.12	2	2.13	NA's
3	6	3	1	278

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.6.sour

22	23	NA's
4	9	278

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.6.volun

13.3	14	40	NA's
1	9	3	278

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.6.year

2011	2014	NA's
4	9	278

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.7.bcr_

tcga-b3-3925-01a-01d-1459-10	tcga-b3-4103-01a-01d-1459-10
	1
tcga-b3-4104-01a-01d-1459-10	tcga-b9-4115-01a-01d-1549-01
	1
	NA's
	287

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.7.bcr_

3cdd68e9-1c52-4b9b-9dde-3e2191e0bb0b	6fbfdf8a-4f1f-4228-ab8d-a87461edf379
	1
864c5da1-5a02-4be9-ab42-34613136b536	e8db52a6-f970-4fc9-bdb5-63022dedf32f
	1
	NA's
	287

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.7.bios

103953168	103953221	103953245	1049930110	NA's
1	1	1	1	287

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.7.cent

```

1      10 NA's
1      3    287

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.7.conc
0.05 0.16 NA's
3      1    287

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.7.day_
7      14 NA's
3      1    287

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.7.is_d
no NA's
4      287

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.7.mont
2 NA's
4      287

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.7.plat
4      7 NA's
3      1    287

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.7.plat
1459 1549 NA's
3      1    287

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.7.plat
c      d      e      f NA's
1      1      1      1    287

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.7.quant
1.07      2 NA's
1      3    287

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.7.sour
22 NA's
4      287

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.7.vol
6.67      40 NA's
1      3    287

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.7.year
2011 NA's
4      287

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.8.bcr_
tcga-b3-3925-01a-01d-a45y-10 tcga-b3-4103-01a-01d-a45z-10
1 1
tcga-b3-4104-01a-01d-a45y-10 tcga-b9-4115-01a-01d-1551-05
1 1

```

NA's
287

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.8.bcr_227bcea4-72fc-43d8-a896-bfb565d68a67 871dd304-af83-4199-a383-af2159d56694
1 1
abd3e1f8-cd6e-4f6c-b45f-844943964524 e6c72b2c-0944-4285-95a4-86293412f71d
1 1

NA's
287

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.8.bios_167811544 167811551 175141798 1049930014 NA's
1 1 1 1 287

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.8.cent_5 10 NA's
1 3 287

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.8.conc_0.07 0.08 0.16 NA's
1 2 1 287

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.8.day_1 14 NA's
3 1 287

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.8.is_d_no NA's
4 287

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.8.mont_2 10 NA's
1 3 287

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.8.plat_1 2 7 8 NA's
1 1 1 1 287

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.8.plat_1551 a45y a45z NA's
1 2 1 287

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.8.plat_a c f NA's
2 1 1 287

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.8.quant_0.98 1.12 4.27 NA's
1 2 1 287

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.8.sour

22 23 NA's
 1 3 287
 patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.8.vol
 14 26.7 NA's
 3 1 287
 patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.8.year
 2011 2014 NA's
 1 3 287
 patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.9.bcr_
 tcga-b9-4115-01a-01d-1553-08 NA's
 1 290
 patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.9.bcr_
 771e1379-958f-4f17-9e42-ad2c1afaa355 NA's
 1 290
 patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.9.bios
 1049985554 NA's
 1 290
 patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.9.cent
 8 NA's
 1 290
 patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.9.conc
 0.05 NA's
 1 290
 patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.9.day_
 14 NA's
 1 290
 patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.9.is_d
 no NA's
 1 290
 patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.9.mont
 2 NA's
 1 290
 patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.9.plat
 3 NA's
 1 290
 patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.9.plat
 1553 NA's
 1 290
 patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.9.plat

```

c NA's
1 290

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.9.quant
2 NA's
1 290

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.9.sour
22 NA's
1 290

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.9.vol
40 NA's
1 290

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.9.year
2011 NA's
1 290

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.biospe
  Min. 1st Qu. Median Mean 3rd Qu. Max.
1.005e+08 1.244e+08 1.603e+08 2.740e+08 1.742e+08 1.076e+09

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.center
 1 2 26
188 75 28

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.concen
0.13 0.14 0.15 0.16 0.17
 9 40 112 91 39

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.day_of
  Min. 1st Qu. Median Mean 3rd Qu. Max.
 6.00 10.00 18.00 17.86 25.00 30.00

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.is_der
no
291

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.month_
  Min. 1st Qu. Median Mean 3rd Qu. Max.
 1.0 3.0 4.0 5.1 8.0 12.0

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.plate_
  Min. 1st Qu. Median Mean 3rd Qu. Max.
 1.000 1.000 3.000 3.137 5.000 8.000

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.quantit

```

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.
0.93	1.01	1.07	1.28	1.50	2.26

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.source
 22 23
 117 174

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.volume
 6.67 6.7 10 13.3
 14 174 60 43

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.year_o
 2010 2011 2012 2013 2014
 16 59 52 55 109

patient.samples.sample.portions.portion.analytes.analyte.amount:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.
0.00	26.05	49.49	137.66	183.20	993.00

patient.samples.sample.portions.portion.analytes.analyte.analyte_type:
 dna
 291

patient.samples.sample.portions.portion.analytes.analyte.analyte_type_id:
 d
 291

patient.samples.sample.portions.portion.analytes.analyte.concentration:
 0.13 0.14 0.15 0.16 0.17
 8 40 112 92 39

patient.samples.sample.portions.portion.analytes.analyte.dna.normal_tumor_genoty
 yes
 291

patient.samples.sample.portions.portion.analytes.analyte.dna.pcr_amplification_s
 no yes
 112 179

patient.samples.sample.portions.portion.analytes.analyte.gel_image_file:
<https://sharedoc.nchri.org/tcga-bcr/default.aspx>
 291

patient.samples.sample.portions.portion.analytes.analyte.is_derived_from_ffpe:
 no
 291

patient.samples.sample.portions.portion.analytes.analyte.protocols.protocol.expe
 adna preparation type
 291

```
patient.samples.sample.portions.portion.analytes.analyte.spectrophotometer_method:
picogreen    uv spec
      234          57
```

```
patient.samples.sample.portions.portion.analytes.analyte.subportion_sequence:
      1      2 NA's
254    14    23
```

```
patient.samples.sample.portions.portion.day_of_creation:
      Min. 1st Qu.  Median    Mean 3rd Qu.    Max.
      1.00  10.00   14.00   16.57  26.00   31.00
```

```
patient.samples.sample.portions.portion.is_ffpe:
no
291
```

```
patient.samples.sample.portions.portion.lce:
lce NA's
      4    287
```

```
patient.samples.sample.portions.portion.month_of_creation:
      Min. 1st Qu.  Median    Mean 3rd Qu.    Max.
      1.000   2.000   5.000   5.619   9.000  12.000
```

```
patient.samples.sample.portions.portion.portion_number:
      Min. 1st Qu.  Median    Mean 3rd Qu.    Max.
      1.00  11.00   11.00   10.78  11.00   31.00
```

```
patient.samples.sample.portions.portion.portion_sequence:
      1      2      3 NA's
      94     2      1  194
```

```
patient.samples.sample.portions.portion.slides.slide.2.is_derived_from_ffpe:
no NA's
      84    207
```

```
patient.samples.sample.portions.portion.slides.slide.2.percent_lymphocyte_infiltration:
      Min. 1st Qu.  Median    Mean 3rd Qu.    Max.    NA's
      0.000   0.000   2.000   2.263   2.500  10.000    272
```

```
patient.samples.sample.portions.portion.slides.slide.2.percent_monocyte_infiltration:
      Min. 1st Qu.  Median    Mean 3rd Qu.    Max.    NA's
      0.000   0.500   5.000   8.158  15.000  30.000    272
```

```
patient.samples.sample.portions.portion.slides.slide.2.percent_necrosis:
      Min. 1st Qu.  Median    Mean 3rd Qu.    Max.    NA's
```



```

0.000  0.000  0.000  1.976  1.000  20.000  207

patient.samples.sample.portions.portion.slides.slide.2.percent_neutrophil_infiltration:
  0  5 NA's
 17  1  273

patient.samples.sample.portions.portion.slides.slide.2.percent_normal_cells:
  0  10  20 NA's
 76  1  2  212

patient.samples.sample.portions.portion.slides.slide.2.percent_stromal_cells:
  Min. 1st Qu.  Median    Mean 3rd Qu.  Max.  NA's
0.000  5.000  5.000  9.488 12.750 40.000  211

patient.samples.sample.portions.portion.slides.slide.2.percent_tumor_cells:
  Min. 1st Qu.  Median    Mean 3rd Qu.  Max.  NA's
40.00  81.00  90.00  88.04  95.00 100.00  212

patient.samples.sample.portions.portion.slides.slide.2.percent_tumor_nuclei:
  Min. 1st Qu.  Median    Mean 3rd Qu.  Max.  NA's
60.00  80.00  80.00  81.82  85.00  95.00  207

patient.samples.sample.portions.portion.slides.slide.2.section_location:
bottom  top  NA's
   1    83  207

patient.samples.sample.portions.portion.slides.slide.is_derived_from_ffpe:
no
291

patient.samples.sample.portions.portion.slides.slide.percent_lymphocyte_infiltration:
  Min. 1st Qu.  Median    Mean 3rd Qu.  Max.  NA's
0.000  0.000  1.000  2.419  3.000 50.000  81

patient.samples.sample.portions.portion.slides.slide.percent_monocyte_infiltration:
  Min. 1st Qu.  Median    Mean 3rd Qu.  Max.  NA's
0.000  0.000  3.000  6.814  5.000 100.000  81

patient.samples.sample.portions.portion.slides.slide.percent_necrosis:
  Min. 1st Qu.  Median    Mean 3rd Qu.  Max.  NA's
0.000  0.000  0.000  1.772  1.000 20.000  2

patient.samples.sample.portions.portion.slides.slide.percent_neutrophil_infiltration:
  Min. 1st Qu.  Median    Mean 3rd Qu.  Max.  NA's
0.0000  0.0000  0.0000  0.4354  0.0000 30.0000  82

patient.samples.sample.portions.portion.slides.slide.percent_normal_cells:
  Min. 1st Qu.  Median    Mean 3rd Qu.  Max.  NA's
0.0000  0.0000  0.0000  0.4841  0.0000 60.0000  8

```

patient.samples.sample.portions.portion.slides.slide.percent_stromal_cells:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 0.00 0.00 6.00 10.64 20.00 60.00 8

patient.samples.sample.portions.portion.slides.slide.percent_tumor_cells:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 27.00 80.00 90.00 87.09 100.00 100.00 9

patient.samples.sample.portions.portion.slides.slide.percent_tumor_nuclei:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 50.00 75.00 80.00 80.61 90.00 100.00 2

patient.samples.sample.portions.portion.slides.slide.section_location:
 bottom top
 83 208

patient.samples.sample.portions.portion.weight:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 10.00 30.00 30.00 35.99 34.00 164.00 2

patient.samples.sample.portions.portion.year_of_creation:
 2010 2011 2012 2013 2014
 21 77 39 85 69

patient.samples.sample.portions.shipment_portion.center_id:
 20 NA's
 215 76

patient.samples.sample.portions.shipment_portion.is_ffpe:
 no NA's
 215 76

patient.samples.sample.portions.shipment_portion.plate_id:
 a39n a39o a39p a43r NA's
 80 80 47 8 76

patient.samples.sample.portions.shipment_portion.portion_number:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 11.00 21.00 21.00 20.83 21.00 41.00 76

patient.samples.sample.portions.shipment_portion.portion_sequence:
 1 2 NA's
 3 149 139

patient.samples.sample.portions.shipment_portion.shipment_portion_day_of_shipment:
 7 9 NA's
 207 8 76

patient.samples.sample.portions.shipment_portion.shipment_portion_month_of_shipment:

5 7 NA's
207 8 76

patient.samples.sample.portions.shipment_portion.shipment_portion_year_of_shipme
2014 NA's
215 76

patient.samples.sample.sample_type:
primary tumor
291

patient.samples.sample.sample_type_id:
1
291

patient.samples.sample.shortest_dimension:
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
0.1000 0.3000 0.3000 0.3803 0.5000 0.9000 174

patient.samples.sample.vial_number:
a b
290 1

Exome.data.:
no yes NA's
4 157 130

CDE_ID.3104937:
[Not Available] [Unknown] Type 1 Type 2 NA's
52 20 43 46 130

tumor_type..KIRP.path..USE.THIS.:
Type 1 Papillary RCC Type 2 Papillary RCC
75 60
Unclassified Papillary RCC NA's
26 130

CDE_ID.3203106:
N0 N1 N2 NX NA's
28 17 4 112 130

Status:
Alive Dead NA's
143 18 130

time_of_follow.up:
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
0.0 220.5 554.0 786.5 979.5 5925.0 132

CDE_ID.2006657:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
28.00	52.00	60.00	59.86	69.00	85.00	132

Largest.Dimension:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1.000	3.000	4.200	5.348	6.500	22.000	130

Middle.Dimension:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1.000	2.700	3.900	4.602	6.000	17.000	162

Smallest.Dimension:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0.500	2.000	3.150	3.825	5.000	12.000	165

Clinical.Spread..Distant.Metastases..M.:

[Not submitted]	M0	M1	MX	NA's
6	116	5	22	142

COCA..k.4..Katie.Hoadley.:

C1	C2a	C2b	C2c	- CIMP	NA's
95	35	22		9	130

mutation.rate:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0e+00	0e+00	0e+00	0e+00	0e+00	1e-05	136

X3p.copy:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
-0.7902	-0.0050	0.0030	0.1245	0.2200	1.0019	130

SETD2:

0	1	NA's
146	11	134

PBRM1:

0	1	NA's
151	6	134

BAP1:

0	1	NA's
152	5	134

SETD2.BAP1.PBRM1:

0	1	2	NA's
146	9	6	130

TFE3.fusion:

0	1	NA's
155	6	130

CTSK:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
3.914	7.177	8.117	8.365	9.248	17.440	130

BIRC7:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0.000	3.013	4.652	4.861	6.679	12.674	130

DIAPH1:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
10.90	11.76	12.09	12.07	12.39	13.14	130

HIF1A:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
8.159	11.481	12.186	12.091	12.750	14.925	130

CDKN2Ameth:

0	1	NA's
138	10	143

CDKN2A.expr..RPKM.:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1.274	23.608	54.486	95.591	102.888	1248.079	130

CDKN2A.exon.1.expr..p16.:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0.00000	0.06346	0.18544	0.38444	0.49198	4.54478	130

CDKN2A.copy..log2.normal.:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
-1.2930	-0.0140	-0.0020	-0.0945	0.0020	0.1040	130

CDKN2A.mutation:

mutant_nonsil	wt	NA's
3	154	134

DNA.copy.cluster..Murray.:

CN_1:Genome Unstable, p16 deleted	24
CN_2:Arm level Alterations,chr7 gain	97
CN_3:Genome Stable, sporadic SCNAs, few p16 deletions	40
NA's	

130

Meth.Cluster..Laird.group.:

CIMP	DNA_meth_cluster:1	DNA_meth_cluster:2	NA's
9	30	122	130

miRNA.clusters..4.group.NMF..Robertson.group.:

miRNA cluster:1	miRNA cluster:2	miRNA cluster:3	miRNA cluster:4	NA's
87	16	28	30	130

mRNA.clusters..3.group.NMF..Rathmell.group.:

mRNA.Cluster 1	mRNA.Cluster 2	mRNA.Cluster 3	NA's
77	61	23	130

RPPA.clusters..Rehan.Akbani.:

RPPA cluster 1	RPPA cluster 2	RPPA cluster 3	NA's
20	41	64	166

Nrf2.Keap1.mRNA.signature.score..Creighton.:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
-2.31043	-0.53529	-0.01245	0.04256	0.66684	2.45752	130

NQO1.expr..RPKM.:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
76.35	448.74	1116.90	4541.67	3803.08	58630.41	130

FH.expr..RPKM.:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
149.1	1269.4	1665.5	1744.2	2214.4	5107.5	130

MET.mutation..germline.:

---	p.H1112R	NA's
158	3	130

MET.copy..log2.normal.:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
-0.5490	0.0000	0.4720	0.5623	0.8470	3.0820	130

MET.expr..RPKM.:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1897	8112	11914	13949	16684	52388	130

MET.splicing.event..Brad.Murray..Angela.Brooks.:

---	yes	NA's
153	8	130

ARID1A:

		NA's
0	1	NA's
153	8	130

ARID2:

0	1	NA's
157	4	130

BAP1.1:

0	1	NA's
156	5	130

CUL3:

0	1	NA's
156	5	130

DNMT3A:

0	1	NA's
157	4	130

EP300:

0	1	NA's
155	6	130

FAT1:

0	1	NA's
150	11	130

KDM6A:

0	1	NA's
155	6	130

KRAS:

0	1	NA's
159	2	130

MET:

0	1	NA's
146	15	130

MLL2:

0	1	NA's
145	16	130

MLL3:

0	1	NA's
149	12	130

MLL4:

0	1	NA's
159	2	130

NF2:

0	1	NA's
151	10	130

PBRM1.1:

0	1	NA's
156	5	130

PTEN:

0	1	NA's
156	5	130

SETD2.1:

0	1	NA's
151	10	130

SMARCB1:

0	1	NA's
157	4	130

TP53:

0	1	NA's
158	3	130

NF2.1:

0	1	NA's
152	9	130

c.Met_pY1235.R.V:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
-0.37414	-0.12776	-0.04864	-0.03687	0.04130	0.34164	166

mTOR_pS2448.R.C:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
-1.2926	-0.2203	-0.0279	-0.0386	0.1847	0.6727	166

YAP.R.E:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
-0.41741	-0.07253	0.00991	0.04345	0.14054	0.80517	166

YAP_pS127.R.E:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
-1.44148	-0.39185	-0.07787	-0.01682	0.39229	1.83260	166

ATM.R.E:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
-1.50445	-0.51441	0.00000	-0.02891	0.46486	1.40858	166

B.Raf.M.C:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
-1.36858	-0.24933	0.06809	0.02997	0.26456	1.04354	166

Bap1c.4.M.E:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
-0.96306	-0.16900	0.02212	-0.03777	0.16480	0.61440	166

beta.Catenin.R.V:							NA's
Min.	1st Qu.	Median	Mean	3rd Qu.	Max.		166
-2.71427	-0.52197	-0.08612	-0.17143	0.27388	0.92143		
c.Kit.R.V:							NA's
Min.	1st Qu.	Median	Mean	3rd Qu.	Max.		166
-0.62881	-0.12127	0.05203	0.11186	0.21609	2.79296		
c.Met_pY1235.R.V.1:							NA's
Min.	1st Qu.	Median	Mean	3rd Qu.	Max.		166
-0.37414	-0.12776	-0.04864	-0.03687	0.04130	0.34164		
Cyclin_D1.R.V:							NA's
Min.	1st Qu.	Median	Mean	3rd Qu.	Max.		166
-0.96995	-0.39788	-0.08557	-0.05606	0.27017	1.30613		
E.Cadherin.R.V:							NA's
Min.	1st Qu.	Median	Mean	3rd Qu.	Max.		166
-1.95409	-0.52456	0.02451	0.03804	0.55440	2.29837		
EGFR.R.V:							NA's
Min.	1st Qu.	Median	Mean	3rd Qu.	Max.		166
-0.68005	-0.21704	-0.10422	-0.06477	0.06893	0.69535		
EGFR_pY1068.R.C:							NA's
Min.	1st Qu.	Median	Mean	3rd Qu.	Max.		166
-0.92918	-0.18918	0.04147	0.13124	0.38052	1.44143		
EGFR_pY1173.R.V:							NA's
Min.	1st Qu.	Median	Mean	3rd Qu.	Max.		166
-0.28931	-0.09972	-0.00348	0.00522	0.07683	0.59254		
GATA3.M.V:							NA's
Min.	1st Qu.	Median	Mean	3rd Qu.	Max.		166
-0.6113	-0.1008	0.1056	0.4879	0.9995	3.7825		
HER2.M.V:							NA's
Min.	1st Qu.	Median	Mean	3rd Qu.	Max.		166
-1.35184	-0.47322	-0.09677	-0.02397	0.50763	1.47757		
HER2_pY1248.R.C:							NA's
Min.	1st Qu.	Median	Mean	3rd Qu.	Max.		166
-0.50514	-0.12247	0.01913	0.05135	0.19168	0.85055		
HER3.R.V:							NA's
Min.	1st Qu.	Median	Mean	3rd Qu.	Max.		166
-1.25925	-0.50687	0.03501	0.01683	0.44931	1.88497		
HER3_pY1289.R.C:							NA's
Min.	1st Qu.	Median	Mean	3rd Qu.	Max.		166
-0.23571	-0.09465	-0.02651	-0.00666	0.07302	0.37198		

LKB1.M.E:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
-0.47430	-0.11421	0.03884	0.03012	0.17544	0.88458	166

MEK1.R.V:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
-1.33866	-0.25511	0.10881	0.08382	0.47825	1.43108	166

MEK1_pS217_S221.R.V:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
-0.36769	-0.12031	-0.05230	-0.01964	0.08398	0.52760	166

N.Ras.M.V:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
-0.44738	-0.09303	0.10029	0.10538	0.24749	0.84676	166

Notch1.R.V:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
-0.39334	-0.10937	0.04655	0.06161	0.19791	1.43284	166

p27.R.V:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
-0.60171	-0.13513	0.01237	0.05836	0.22163	0.80199	166

p27_pT157.R.C:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
-0.25430	-0.10233	-0.02294	-0.00181	0.08912	0.48142	166

p27_pT198.R.V:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
-0.37698	-0.03844	0.05126	0.06777	0.16298	0.63016	166

p53.R.E:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
-0.60717	-0.11863	0.06964	0.16998	0.28937	1.42934	166

PI3K.p110.alpha.R.C:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
-0.71770	-0.10516	-0.02244	-0.03103	0.08442	0.47357	166

PI3K.p85.R.V:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
-1.4047	-0.4065	-0.0840	-0.1256	0.1578	1.4917	166

PTEN.R.V:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
-1.36098	-0.26268	-0.03146	-0.07138	0.21487	0.96325	166

Rb.M.QC:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
-0.35582	-0.07866	0.02666	0.05330	0.13117	0.79715	166

Rb_pS807_S811.R.V:							NA's
Min.	1st Qu.	Median	Mean	3rd Qu.	Max.		166
-0.83576	-0.32531	-0.02415	0.01706	0.22410	3.26631		
Smad4.M.V:							NA's
Min.	1st Qu.	Median	Mean	3rd Qu.	Max.		166
-0.58803	-0.08165	0.06643	0.09977	0.26038	0.84951		
TSC1.R.C:							NA's
Min.	1st Qu.	Median	Mean	3rd Qu.	Max.		166
-1.39109	-0.31343	-0.04545	-0.09643	0.22909	0.74405		
VHL.M.C:							NA's
Min.	1st Qu.	Median	Mean	3rd Qu.	Max.		166
-1.90047	-0.88448	-0.05037	-0.12740	0.44991	2.10064		
NF2.R.C:							NA's
Min.	1st Qu.	Median	Mean	3rd Qu.	Max.		166
-2.43770	-0.31225	0.00000	-0.02831	0.28318	1.58542		
ATM:							NA's
Min.	1st Qu.	Median	Mean	3rd Qu.	Max.		130
-1.12200	-0.01100	-0.00300	-0.04086	0.00000	0.80900		
BRAF:							NA's
Min.	1st Qu.	Median	Mean	3rd Qu.	Max.		130
-0.5490	0.0000	0.4720	0.5404	0.8430	2.5410		
BAP1.2:							NA's
Min.	1st Qu.	Median	Mean	3rd Qu.	Max.		130
-0.8220	-0.0050	0.0030	0.1209	0.2200	1.0020		
CTNNB1:							NA's
Min.	1st Qu.	Median	Mean	3rd Qu.	Max.		130
-0.8540	-0.0060	0.0030	0.1209	0.1220	1.0020		
KIT:							NA's
Min.	1st Qu.	Median	Mean	3rd Qu.	Max.		130
-0.84500	-0.00700	0.00000	-0.03361	0.00500	0.94600		
MET.1:							NA's
Min.	1st Qu.	Median	Mean	3rd Qu.	Max.		130
-0.5490	0.0000	0.4720	0.5623	0.8470	3.0820		
CCND1:							NA's
Min.	1st Qu.	Median	Mean	3rd Qu.	Max.		130
-0.87000	-0.01200	-0.00300	-0.02417	0.00000	0.56500		
CDH1:							NA's
Min.	1st Qu.	Median	Mean	3rd Qu.	Max.		130
-0.5770	0.0020	0.3310	0.3629	0.6800	1.7040		

EGFR:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
-0.5490	0.0000	0.5160	0.5313	0.8260	2.0690	130

GATA3:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
-0.90900	-0.01700	-0.00900	-0.03148	-0.00300	0.83200	130

ERBB2:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
-0.0480	0.0410	0.5980	0.5111	0.7760	3.6570	130

ERBB3:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
-0.0350	-0.0020	0.0070	0.2728	0.6190	1.4900	130

STK11:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
-0.80700	-0.06500	-0.03000	-0.05067	-0.00100	0.46000	130

MAP2K1:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
-0.84200	-0.02100	-0.00600	-0.04755	0.00200	0.47600	130

NRAS:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
-0.90200	-0.01300	-0.00400	-0.08484	0.00000	0.14600	130

NOTCH1:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
-0.9030	-0.0240	-0.0040	-0.0592	0.0010	0.1590	130

CDKN1B:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
-0.5460	-0.0010	0.0080	0.2765	0.6530	1.4900	130

TP53.1:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
-0.8410	0.0150	0.5300	0.4038	0.7450	1.8980	130

PIK3CA:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
-0.5640	0.0000	0.0090	0.2128	0.5770	0.9960	130

PTEN.1:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
-0.8140	-0.0140	-0.0080	-0.0316	-0.0030	0.8280	130

RB1:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
-0.83400	-0.00500	0.00100	0.01904	0.00800	1.02700	130

SMAD4:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
-1.1120	-0.0120	0.0010	-0.0728	0.0090	0.8880	130

TSC1:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
-0.90300	-0.02100	-0.00300	-0.06219	0.00100	0.15900	130

VHL:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
-0.8540	-0.0050	0.0020	0.1235	0.2200	1.0020	130

NF2.2:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
-1.0600	-0.1010	-0.0400	-0.1507	-0.0140	0.1400	130

LAML

*Acute Myeloid Leukemia***Description**

A document describing the TCGA cancer code

Details

```
> experiments( LAML )
ExperimentList class object of length 7:
 [1] CNASNP-20160128: RaggedExperiment with 874897 rows and 392 columns
 [2] CNVSNP-20160128: RaggedExperiment with 28324 rows and 380 columns
 [3] Methylation_methyl27-20160128: SummarizedExperiment with 27578 rows and 194
 [4] Methylation_methyl450-20160128: SummarizedExperiment with 485577 rows and 1
 [5] Mutation-20160128: RaggedExperiment with 2585 rows and 197 columns
 [6] RNASeq2GeneNorm-20160128: SummarizedExperiment with 20501 rows and 173 colu
 [7] RNASeqGene-20160128: SummarizedExperiment with 19990 rows and 179 columns

> rownames( LAML )
CharacterList of length 7
[["CNASNP-20160128"]] character(0)
[["CNVSNP-20160128"]] character(0)
[["Methylation_methyl27-20160128"]] cg00000292 cg00002426 ... cg27665659
[["Methylation_methyl450-20160128"]] cg00000029 cg00000108 ... rs9839873
[["Mutation-20160128"]] character(0)
[["RNASeq2GeneNorm-20160128"]] A1BG A1CF A2BP1 A2LD1 ... ZZZ3 psiTPTE22 tAKR
[["RNASeqGene-20160128"]] AADACL3 AADACL4 ABCA4 ABCB10 ... VCY XGPY2 XKRY2 ZFY

> colnames( LAML )
CharacterList of length 7
[["CNASNP-20160128"]] TCGA-AB-2802-03A-01D-0756-21 ...
[["CNVSNP-20160128"]] TCGA-AB-2803-03A-01D-0756-21 ...
```

```

[["Methylation_methyl27-20160128"]] TCGA-AB-2802-03A-01D-0741-05 ...
[["Methylation_methyl450-20160128"]] TCGA-AB-2802-03A-01D-0741-05 ...
[["Mutation-20160128"]] TCGA-AB-2802-03B-01W-0728-08 ...
[["RNASeq2GeneNorm-20160128"]] TCGA-AB-2803-03A-01T-0734-13 ...
[["RNASeqGene-20160128"]] TCGA-AB-2803-03A-01T-0734-13 ...

```

Sizes of each ExperimentList element:

	assay	size.Mb
1	CNASNP-20160128	23.5 Mb
2	CNVSNP-20160128	0.9 Mb
3	Methylation_methyl27-20160128	4.4 Mb
4	Methylation_methyl450-20160128	67.4 Mb
5	Mutation-20160128	2.4 Mb
6	RNASeq2GeneNorm-20160128	1.1 Mb
7	RNASeqGene-20160128	1.1 Mb

Overall survival time-to-event summary (in years):

```

Call: survfit(formula = survival::Surv(colDat$days_to_death/365, colDat$vital_status - 1)

```

```

      80 observations deleted due to missingness
      n events median 0.95LCL 0.95UCL
120.000 120.000   0.748   0.586   0.918

```

Available sample meta-data:

years_to_birth:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.
18.00	44.75	57.00	55.02	67.00	88.00

vital_status:

0	1
67	133

days_to_death:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0.0	91.5	273.0	355.7	489.0	1706.0	80

days_to_last_followup:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0.0	296.2	699.0	913.5	1506.8	2861.0	132

tumor_tissue_site:

bone marrow	NA's
-------------	------


```
patient.age_at_initial_pathologic_diagnosis:
  Min. 1st Qu.  Median    Mean 3rd Qu.  Max.
  18.00  44.75  57.50  55.03  67.00  88.00
```

```
patient.atra_exposure:
  no  yes NA's
  192  4   4
```

```
patient.cumulative_agent_total_dose:
  Min. 1st Qu.  Median    Mean 3rd Qu.  Max.  NA's
    0      0    2000   3547  4875   32000  126
```

```
patient.cytogenetic_abnormalities.cytogenetic_abnormality.3:
del (7q) / 7q-      t (9;11)      trisomy 8      NA's
      10              1              5              184
```

```
patient.cytogenetic_abnormalities.cytogenetic_abnormality.4:
t (15;17) trisomy 8      NA's
      1              3              196
```

```
patient.cytogenetic_analysis_performed_ind:
  no  yes NA's
    1  196   3
```

```
patient.day_of_form_completion:
  14
  200
```

```
patient.days_to_birth:
  Min. 1st Qu.  Median    Mean 3rd Qu.  Max.
-32326 -24692 -21154 -20259 -16399 -6636
```

```
patient.days_to_death:
  Min. 1st Qu.  Median    Mean 3rd Qu.  Max.  NA's
    0.0    91.5   273.0   355.7   489.0  1706.0   80
```

```
patient.days_to_initial_pathologic_diagnosis:
  0
  200
```

```
patient.days_to_last_followup:
  Min. 1st Qu.  Median    Mean 3rd Qu.  Max.  NA's
    0.0   296.2   699.0   913.5  1506.8  2861.0  132
```

```
patient.disease_detection_molecular_analysis_method_type:
rt-pcr  NA's
   87   113
```


patient.ethnicity:

hispanic or latino	not hispanic or latino	NA's
3	194	3

patient.fish_evaluation_performed_ind:

no	yes	NA's
42	155	3

patient.fish_test_component_results.fish_test_component_result.2.fish_test_compo

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0.00	0.00	0.00	13.98	1.00	100.00	93

patient.fish_test_component_results.fish_test_component_result.3.fish_test_compo

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0.0	0.0	0.0	15.5	1.0	100.0	112

patient.fish_test_component_results.fish_test_component_result.4.fish_test_compo

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0.00	0.00	0.00	10.86	0.00	100.00	142

patient.fish_test_component_results.fish_test_component_result.5.fish_test_compo

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0.000	0.000	0.000	9.087	0.000	99.000	154

patient.fish_test_component_results.fish_test_component_result.6.fish_test_compo

-5 or del(5q)	-7 or del(7q)	+8	tel-aml	1	NA's
3	24	12	1	1	160

patient.fish_test_component_results.fish_test_component_result.6.fish_test_compo

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0.000	0.000	0.000	6.838	0.000	99.000	160

patient.fish_test_component_results.fish_test_component_result.7.fish_test_compo

-5 or del(5q)	-7 or del(7q)	+8	other	NA's
19	11	1	2	167

patient.fish_test_component_results.fish_test_component_result.7.fish_test_compo

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0.000	0.000	0.000	5.061	0.000	86.000	167

patient.fish_test_component_results.fish_test_component_result.8.fish_test_compo

-5 or del(5q)	-7 or del(7q)	del (20q)	other	NA's
4	1	1	3	191

patient.fish_test_component_results.fish_test_component_result.8.fish_test_compo

0	4	97	NA's
7	1	1	191

patient.fish_test_component_results.fish_test_component_result.9.fish_test_compo
 other NA's
 2 198

patient.fish_test_component_results.fish_test_component_result.9.fish_test_compo
 0 63 NA's
 1 1 198

patient.fish_test_component_results.fish_test_component_result.fish_test_compone
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 0.00 0.00 0.00 19.05 4.00 100.00 46

patient.fluorescence_in_situ_hybrid_cytogenetics_metaphase_nucleus_result_count:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 0.00 20.00 20.00 20.03 20.00 32.00 6

patient.fluorescence_in_situ_hybridization_abnormal_result_indicator:
 no yes NA's
 78 78 44

patient.gender:
 female male
 91 109

patient.history_of_neoadjuvant_treatment:
 no yes
 151 49

patient.hydroxyurea_administration_prior_registration_clinical_study_indicator:
 no yes
 151 49

patient.hydroxyurea_agent_administered_day_count:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 0.000 0.000 2.000 1.527 3.000 4.000 126

patient.immunophenotype_cytochemistry_testing_results.immunophenotype_cytochemis
 cd15 not tested cd19 negative cd19 not tested cd19 positive NA's
 4 50 136 9 1

patient.immunophenotype_cytochemistry_testing_results.immunophenotype_cytochemis
 cd19 negative cd19 not tested cd20 negative cd20 not tested NA's
 1 3 2 193 1

patient.immunophenotype_cytochemistry_testing_results.immunophenotype_cytochemis
 cd23 not tested cd25 negative cd25 not tested NA's
 4 1 194 1

patient.immunophenotype_cytochemistry_testing_results.immunophenotype_cytochemis

cd25 not tested	cd33 negative	cd33 not tested	cd33 positive	NA's
4	15	25	155	1

patient.immunophenotype_cytochemistry_testing_results.immunophenotype_cytochemis

cd33 positive	cd34 negative	cd34 not tested	cd34 positive	NA's
4	45	32	118	1

patient.immunophenotype_cytochemistry_testing_results.immunophenotype_cytochemis

cd 117 not tested	cd117 positive	cd56 negative	cd56 not tested
22	169	5	3

NA's
1

patient.immunophenotype_cytochemistry_testing_results.immunophenotype_cytochemis

mpx not tested	mpx positive	nse negative	nse not tested	nse positive
3	1	114	22	60

patient.immunophenotype_cytochemistry_testing_results.immunophenotype_cytochemis

other cd not tested	NA's
4	196

patient.immunophenotype_cytochemistry_testing_results.immunophenotype_cytochemis

cd3 negative	cd3 not tested	cd34 positive	tdt not tested
7	188	1	4

patient.immunophenotype_cytochemistry_testing_results.immunophenotype_cytochemis

cd3 not tested	cd5 negative	cd5 not tested	cd5 positive	cd56 positive
4	35	157	3	1

patient.immunophenotype_cytochemistry_testing_results.immunophenotype_cytochemis

cd117 positive	cd5 not tested	cd7 negative	cd7 not tested	cd7 positive
1	4	9	170	16

patient.immunophenotype_cytochemistry_testing_results.immunophenotype_cytochemis

cd10 negative	cd10 not tested	cd7 negative	cd7 not tested	NA's
2	193	1	3	1

patient.immunophenotype_cytochemistry_testing_results.immunophenotype_cytochemis

cd10 not tested	cd14 negative	cd14 not tested	cd14 positive	NA's
4	63	121	11	1

patient.immunophenotype_cytochemistry_testing_results.immunophenotype_cytochemis

cd14 not tested	cd15 negative	cd15 not tested	cd15 positive	NA's
4	6	186	3	1

patient.immunophenotype_cytochemistry_testing_results.immunophenotype_cytochemis

mpx negative	mpx not tested	mpx positive	na not tested
--------------	----------------	--------------	---------------

31

18

147

4

patient.informed_consent_verified:

yes

200

patient.lab_procedure_abnormal_lymphocyte_result_percent_value:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0.000	0.000	0.000	2.342	2.000	48.000	1

patient.lab_procedure_blast_cell_outcome_percentage_value:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.
0.00	51.00	72.00	66.44	85.00	100.00

patient.lab_procedure_bone_marrow_band_cell_result_percent_value:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.
0.000	0.000	0.000	1.715	2.000	22.000

patient.lab_procedure_bone_marrow_basophil_result_percent_value:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.
0.000	0.000	0.000	0.352	0.000	10.000

patient.lab_procedure_bone_marrow_blast_cell_outcome_percent_value:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.
0.00	6.00	32.00	36.28	62.25	98.00

patient.lab_procedure_bone_marrow_cellularity_outcome_percent_value:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
10.00	75.00	90.00	79.84	90.00	100.00	11

patient.lab_procedure_bone_marrow_lab_eosinophil_result_percent_value:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.
0.0000	0.0000	0.0000	0.7165	1.0000	12.0000

patient.lab_procedure_bone_marrow_lymphocyte_outcome_percent_value:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.
0.00	9.00	20.00	27.50	43.25	94.00

patient.lab_procedure_bone_marrow_metamyelocyte_result_value:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.
0.00	0.00	0.00	0.45	0.00	6.00

patient.lab_procedure_bone_marrow_myelocyte_result_percent_value:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.
0.00	0.00	0.00	1.05	1.00	22.00

patient.lab_procedure_bone_marrow_neutrophil_result_percent_value:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.
0.00	2.00	6.00	12.16	16.50	94.00

patient.lab_procedure_bone_marrow_prolymphocyte_result_percent_value:

0	1	2	4
---	---	---	---

194 3 2 1

patient.lab_procedure_bone_marrow_promonocyte_count_result_percent_value:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.
0.000	0.000	0.000	1.645	0.000	41.000

patient.lab_procedure_bone_marrow_promyelocyte_result_percent_value:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.
0.000	0.000	0.000	2.185	0.000	71.000

patient.lab_procedure_hematocrit_outcome_percent_value:

9 NA's
1 199

patient.lab_procedure_hemoglobin_result_specified_value:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
6.000	9.000	9.000	9.548	10.000	14.000	1

patient.lab_procedure_leukocyte_result_unspecified_value:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1.00	3.00	17.00	37.25	51.00	298.00	1

patient.lab_procedure_monocyte_result_percent_value:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.
0.00	1.00	5.00	12.34	18.25	76.00

patient.lab_procedure_platelet_result_specified_value:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.
8.00	31.00	52.00	65.98	86.00	351.00

patient.leukemia_specimen_cell_source_type:

bone marrow aspirate
200

patient.molecular_analysis_abnormal_result_indicator:

no yes NA's
50 38 112

patient.molecular_analysis_abnormality_testing_results.molecular_analysis_abnorm

activating ras negative	npmc negative	npmc positive
5	19	5
NA's		
171		

patient.molecular_analysis_abnormality_testing_results.molecular_analysis_abnorm

npmc negative NA's

5 195

patient.molecular_analysis_performed_indicator:

no yes NA's
109 87 4

patient.month_of_form_completion:

12
200

patient.patient_id:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.
2802	2852	2904	2904	2955	3012

patient.prior_dx:

no yes
186 14

patient.prior_hematologic_disorder_diagnosis_indicator:

no yes NA's
185 3 12

patient.race:

asian	black	or african	american	white
2			15	181
NA's				
2				

patient.steroid_therapy_administered:

no NA's
1 199

patient.tissue_source_site:

ab
200

patient.total_dose_units:

mg NA's
53 147

patient.tumor_tissue_site:

bone marrow	NA's
199	1

patient.vital_status:

alive dead
67 133

patient.year_of_form_completion:

2010

200

patient.year_of_initial_pathologic_diagnosis:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.
2001	2004	2006	2006	2008	2010

patient.bcr_canonical_check.bcr_patient_canonical_status:

canonical
200

patient.days_to_index:

0
200

patient.samples.sample.2.is_ffpe:

no
200

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.2.

8	9	NA's
1	8	191

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.2.

no NA's
9 191

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.2.

732	755	761	NA's
1	3	5	191

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.2.

23 NA's
9 191

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.ce

8	9	13	NA's
76	4	10	110

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.is

no NA's
90 110

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.pl

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
728.0	732.0	732.0	737.6	745.0	755.0	110

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.so
 23 NA's
 90 110

patient.samples.sample.2.portions.portion.analytes.analyte.2.analyte_type:
 repli-g (qiagen) dna total rna NA's
 80 10 110

patient.samples.sample.2.portions.portion.analytes.analyte.2.analyte_type_id:
 t w NA's
 10 80 110

patient.samples.sample.2.portions.portion.analytes.analyte.2.dna.normal_tumor_ge
 yes NA's
 80 120

patient.samples.sample.2.portions.portion.analytes.analyte.2.dna.pcr_amplificati
 yes NA's
 80 120

patient.samples.sample.2.portions.portion.analytes.analyte.2.gel_image_file:
<https://sharedoc.nchri.org/tcga-bcr/default.aspx>
 90
 NA's
 110

patient.samples.sample.2.portions.portion.analytes.analyte.2.is_derived_from_ffp
 no NA's
 90 110

patient.samples.sample.2.portions.portion.analytes.analyte.3.aliquots.aliquot.bo
 tcga-ab-2845-03b-01w-0728-08 NA's
 1 199

patient.samples.sample.2.portions.portion.analytes.analyte.3.aliquots.aliquot.bo
 0555cf75-c027-43d4-8035-98be08b0f043 NA's
 1 199

patient.samples.sample.2.portions.portion.analytes.analyte.3.aliquots.aliquot.ce
 8 NA's
 1 199

patient.samples.sample.2.portions.portion.analytes.analyte.3.aliquots.aliquot.is
 no NA's
 1 199

patient.samples.sample.2.portions.portion.analytes.analyte.3.aliquots.aliquot.pl
 728 NA's
 1 199


```
patient.samples.sample.2.portions.portion.analytes.analyte.3.aliquots.aliquot.so
  23 NA's
  1 199

patient.samples.sample.2.portions.portion.analytes.analyte.3.analyte_type:
repli-g (qiagen) dna NA's
                   1 199

patient.samples.sample.2.portions.portion.analytes.analyte.3.analyte_type_id:
  w NA's
  1 199

patient.samples.sample.2.portions.portion.analytes.analyte.3.bcr_analyte_barcode
tcga-ab-2845-03b-01w NA's
                   1 199

patient.samples.sample.2.portions.portion.analytes.analyte.3.bcr_analyte_uuid:
b5c92584-71aa-46a1-bc4e-8698b744c229 NA's
                                       1 199

patient.samples.sample.2.portions.portion.analytes.analyte.3.dna.normal_tumor_ge
yes NA's
  1 199

patient.samples.sample.2.portions.portion.analytes.analyte.3.dna.pcr_amplificati
yes NA's
  1 199

patient.samples.sample.2.portions.portion.analytes.analyte.3.gel_image_file:
https://sharedoc.nchri.org/tcga-bcr/default.aspx
                                           1
                                           NA's
                                           199

patient.samples.sample.2.portions.portion.analytes.analyte.3.is_derived_from_ffp
no NA's
  1 199

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.2.ce
  21 NA's
  73 127

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.2.is
no NA's
  73 127

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.2.pl
  756 NA's
  73 127
```

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.2.sc
 23 NA's
 73 127

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.cent
 8 9 13 21
 94 42 6 58

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.is_d
 no
 200

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.plat
 Min. 1st Qu. Median Mean 3rd Qu. Max.
 728.0 728.0 739.0 739.8 756.0 760.0

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.sour
 23
 200

patient.samples.sample.2.portions.portion.analytes.analyte.analyte_type:
 dna repli-g (qiagen) dna rna
 121 63 10
 total rna
 6

patient.samples.sample.2.portions.portion.analytes.analyte.analyte_type_id:
 d r t w
 121 10 6 63

patient.samples.sample.2.portions.portion.analytes.analyte.dna.normal_tumor_geno
 yes NA's
 184 16

patient.samples.sample.2.portions.portion.analytes.analyte.dna.pcr_amplification
 yes NA's
 184 16

patient.samples.sample.2.portions.portion.analytes.analyte.gel_image_file:
<https://sharedoc.nchri.org/tcga-bcr/default.aspx>
 200

patient.samples.sample.2.portions.portion.analytes.analyte.is_derived_from_ffpe:
 no
 200

```
patient.samples.sample.2.portions.portion.is_ffpe:
  no
200
```

```
patient.samples.sample.2.portions.portion.portion_number:
  1
200
```

```
patient.samples.sample.2.sample_type:
primary blood derived cancer - peripheral blood
                                     79
                                     solid tissue normal
                                     121
```

```
patient.samples.sample.2.sample_type_id:
  3 11
 79 121
```

```
patient.samples.sample.2.vial_number:
  a  b
121 79
```

```
patient.samples.sample.3.is_ffpe:
  no NA's
 79 121
```

```
patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.ce
  8 NA's
 11 189
```

```
patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.is
  no NA's
 11 189
```

```
patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.pl
 726 727 732 NA's
  2   4   5 189
```

```
patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.so
 23 NA's
 11 189
```

```
patient.samples.sample.3.portions.portion.analytes.analyte.2.analyte_type:
repli-g (qiagen) dna                NA's
                                     11                189
```

```
patient.samples.sample.3.portions.portion.analytes.analyte.2.analyte_type_id:
  w NA's
```

11 189

patient.samples.sample.3.portions.portion.analytes.analyte.2.dna.normal_tumor_ge
yes NA's
11 189

patient.samples.sample.3.portions.portion.analytes.analyte.2.dna.pcr_amplificati
yes NA's
11 189

patient.samples.sample.3.portions.portion.analytes.analyte.2.gel_image_file:
<https://sharedoc.nchri.org/tcga-bcr/default.aspx>
11
NA's
189

patient.samples.sample.3.portions.portion.analytes.analyte.2.is_derived_from_ffp
no NA's
11 189

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.2.ce
9 21 NA's
1 8 191

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.2.is
no NA's
9 191

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.2.pl
756 761 NA's
8 1 191

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.2.so
23 NA's
9 191

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.cent
8 9 13 21 NA's
62 6 2 9 121

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.is_d
no NA's
79 121

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.plat
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's

121

patient.samples.sample.3.sample_type_id:

3 11 NA's
62 17 121

patient.samples.sample.3.vial_number:

a c NA's
17 62 121

patient.samples.sample.4.is_ffpe:

no NA's
68 132

patient.samples.sample.4.portions.portion.analytes.analyte.2.aliquots.aliquot.ce

8 NA's
45 155

patient.samples.sample.4.portions.portion.analytes.analyte.2.aliquots.aliquot.is

no NA's
45 155

patient.samples.sample.4.portions.portion.analytes.analyte.2.aliquots.aliquot.pl

726 727 NA's
20 25 155

patient.samples.sample.4.portions.portion.analytes.analyte.2.aliquots.aliquot.so

23 NA's
45 155

patient.samples.sample.4.portions.portion.analytes.analyte.2.analyte_type:

repli-g (qiagen) dna NA's
45 155

patient.samples.sample.4.portions.portion.analytes.analyte.2.analyte_type_id:

w NA's
45 155

patient.samples.sample.4.portions.portion.analytes.analyte.2.dna.normal_tumor_ge

yes NA's
45 155

patient.samples.sample.4.portions.portion.analytes.analyte.2.dna.pcr_amplificati

yes NA's
45 155

patient.samples.sample.4.portions.portion.analytes.analyte.2.gel_image_file:
<https://sharedoc.nchri.org/tcga-bcr/default.aspx>

45

NA's

155

patient.samples.sample.4.portions.portion.analytes.analyte.2.is_derived_from_ffp

no NA's

45 155

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.2.bo

tcga-ab-2833-11a-01d-0756-21 tcga-ab-2981-11a-01d-0756-21

1

1

tcga-ab-2988-11a-01d-0756-21

NA's

1

197

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.2.bo

06f9c659-c4d4-4dd8-804c-651a8477a5fc 9cd79e81-9796-499a-a9ce-7a8fe51c36cd

1

1

b4d80502-0794-4da0-9fca-633c870d8a1a

NA's

1

197

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.2.ce

21 NA's

3 197

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.2.is

no NA's

3 197

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.2.pl

756 NA's

3 197

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.2.so

23 NA's

3 197

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.cent

8 9 21 NA's

10 14 44 132

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.is_d

no NA's

68 132

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.plat

Min. 1st Qu. Median Mean 3rd Qu. Max. NA's

728.0 755.0 756.0 751.7 756.0 756.0 132

```

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.source:
  23 NA's
  68 132

patient.samples.sample.4.portions.portion.analytes.analyte.analyte_type:
      dna repli-g (qiagen) dna      NA's
  47                          21      132

patient.samples.sample.4.portions.portion.analytes.analyte.analyte_type_id:
  d   w NA's
  47  21 132

patient.samples.sample.4.portions.portion.analytes.analyte.dna.normal_tumor_genotype:
  yes NA's
  68 132

patient.samples.sample.4.portions.portion.analytes.analyte.dna.pcr_amplification_status:
  yes NA's
  68 132

patient.samples.sample.4.portions.portion.analytes.analyte.gel_image_file:
https://sharedoc.nchri.org/tcga-bcr/default.aspx
      68
      NA's
      132

patient.samples.sample.4.portions.portion.analytes.analyte.is_derived_from_ffpe:
  no NA's
  68 132

patient.samples.sample.4.portions.portion.is_ffpe:
  no NA's
  68 132

patient.samples.sample.4.portions.portion.portion_number:
  1 NA's
  68 132

patient.samples.sample.4.sample_type:
primary blood derived cancer - peripheral blood
      15
      solid tissue normal
      53
      NA's
      132

patient.samples.sample.4.sample_type_id:
  3 11 NA's

```


15 53 132

patient.samples.sample.4.vial_number:

a b d NA's
47 6 15 132

patient.samples.sample.5.is_ffpe:

no NA's
65 135

patient.samples.sample.5.portions.portion.analytes.analyte.2.aliqots.aliquot.ce

8 NA's
15 185

patient.samples.sample.5.portions.portion.analytes.analyte.2.aliqots.aliquot.is

no NA's
15 185

patient.samples.sample.5.portions.portion.analytes.analyte.2.aliqots.aliquot.pl

726 727 NA's
7 8 185

patient.samples.sample.5.portions.portion.analytes.analyte.2.aliqots.aliquot.so

23 NA's
15 185

patient.samples.sample.5.portions.portion.analytes.analyte.2.analyte_type:

repli-g (qiagen) dna NA's
15 185

patient.samples.sample.5.portions.portion.analytes.analyte.2.analyte_type_id:

w NA's
15 185

patient.samples.sample.5.portions.portion.analytes.analyte.2.dna.normal_tumor_ge

yes NA's
15 185

patient.samples.sample.5.portions.portion.analytes.analyte.2.dna.pcr_amplificati

yes NA's
15 185

patient.samples.sample.5.portions.portion.analytes.analyte.2.gel_image_file:

<https://sharedoc.nchri.org/tcga-bcr/default.aspx>
15
NA's

185

```

patient.samples.sample.5.portions.portion.analytes.analyte.2.is_derived_from_ffp
no NA's
15 185

patient.samples.sample.5.portions.portion.analytes.analyte.aliquots.aliquot.cent
8 21 NA's
50 15 135

patient.samples.sample.5.portions.portion.analytes.analyte.aliquots.aliquot.is_d
no NA's
65 135

patient.samples.sample.5.portions.portion.analytes.analyte.aliquots.aliquot.plat
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
728.0 728.0 729.0 735.6 738.0 756.0 135

patient.samples.sample.5.portions.portion.analytes.analyte.aliquots.aliquot.sour
23 NA's
65 135

patient.samples.sample.5.portions.portion.analytes.analyte.analyte_type:
dna repli-g (qiagen) dna NA's
15 50 135

patient.samples.sample.5.portions.portion.analytes.analyte.analyte_type_id:
d w NA's
15 50 135

patient.samples.sample.5.portions.portion.analytes.analyte.dna.normal_tumor_geno
yes NA's
65 135

patient.samples.sample.5.portions.portion.analytes.analyte.dna.pcr_amplification
yes NA's
65 135

patient.samples.sample.5.portions.portion.analytes.analyte.gel_image_file:
https://sharedoc.nchri.org/tcga-bcr/default.aspx
65
NA's
135

patient.samples.sample.5.portions.portion.analytes.analyte.is_derived_from_ffpe:
no NA's
65 135

```

patient.samples.sample.5.portions.portion.is_ffpe:

no NA's
65 135

patient.samples.sample.5.portions.portion.portion_number:

1 NA's
65 135

patient.samples.sample.5.sample_type:

solid tissue normal NA's
65 135

patient.samples.sample.5.sample_type_id:

11 NA's
65 135

patient.samples.sample.5.vial_number:

a b c NA's
15 45 5 135

patient.samples.sample.6.is_ffpe:

no NA's
59 141

patient.samples.sample.6.portions.portion.analytes.analyte.aliquots.aliquot.cent

8 NA's
59 141

patient.samples.sample.6.portions.portion.analytes.analyte.aliquots.aliquot.is_d

no NA's
59 141

patient.samples.sample.6.portions.portion.analytes.analyte.aliquots.aliquot.plat

728 729 737 738 NA's
7 8 20 24 141

patient.samples.sample.6.portions.portion.analytes.analyte.aliquots.aliquot.sour

23 NA's
59 141

patient.samples.sample.6.portions.portion.analytes.analyte.analyte_type:

repli-g (qiagen) dna NA's
59 141

patient.samples.sample.6.portions.portion.analytes.analyte.analyte_type_id:

w NA's

59 141

patient.samples.sample.6.portions.portion.analytes.analyte.dna.normal_tumor_genome
yes NA's
59 141

patient.samples.sample.6.portions.portion.analytes.analyte.dna.pcr_amplification
yes NA's
59 141

patient.samples.sample.6.portions.portion.analytes.analyte.gel_image_file:
<https://sharedoc.nchri.org/tcga-bcr/default.aspx>
59
NA's
141

patient.samples.sample.6.portions.portion.analytes.analyte.is_derived_from_ffpe:
no NA's
59 141

patient.samples.sample.6.portions.portion.is_ffpe:
no NA's
59 141

patient.samples.sample.6.portions.portion.portion_number:
1 NA's
59 141

patient.samples.sample.6.sample_type:
solid tissue normal NA's
59 141

patient.samples.sample.6.sample_type_id:
11 NA's
59 141

patient.samples.sample.6.vial_number:
b c d NA's
15 43 1 141

patient.samples.sample.7.is_ffpe:
no NA's
15 185

```
patient.samples.sample.7.portions.portion.analytes.analyte.aliquots.aliquot.cent
  8    9 NA's
 11    4 185

patient.samples.sample.7.portions.portion.analytes.analyte.aliquots.aliquot.is_d
  no NA's
 15 185

patient.samples.sample.7.portions.portion.analytes.analyte.aliquots.aliquot.plat
 731 737 738 755 NA's
   3   5   3   4 185

patient.samples.sample.7.portions.portion.analytes.analyte.aliquots.aliquot.sour
 23 NA's
 15 185

patient.samples.sample.7.portions.portion.analytes.analyte.analyte_type:
repli-g (qiagen) dna                NA's
                        15                185

patient.samples.sample.7.portions.portion.analytes.analyte.analyte_type_id:
  w NA's
 15 185

patient.samples.sample.7.portions.portion.analytes.analyte.dna.normal_tumor_geno
  yes NA's
 15 185

patient.samples.sample.7.portions.portion.analytes.analyte.dna.pcr_amplification
  yes NA's
 15 185

patient.samples.sample.7.portions.portion.analytes.analyte.gel_image_file:
https://sharedoc.nchri.org/tcga-bcr/default.aspx
                        15
                        NA's
                        185

patient.samples.sample.7.portions.portion.analytes.analyte.is_derived_from_ffpe:
  no NA's
 15 185

patient.samples.sample.7.portions.portion.is_ffpe:
  no NA's
 15 185

patient.samples.sample.7.portions.portion.portion_number:
  1 NA's
```

15 185

patient.samples.sample.7.sample_type:
solid tissue normal NA's
15 185

patient.samples.sample.7.sample_type_id:
11 NA's
15 185

patient.samples.sample.7.vial_number:
c d NA's
11 4 185

patient.samples.sample.8.is_ffpe:
no NA's
11 189

patient.samples.sample.8.portions.portion.analytes.analyte.aliquots.aliquot.cent
8 9 NA's
3 8 189

patient.samples.sample.8.portions.portion.analytes.analyte.aliquots.aliquot.is_d
no NA's
11 189

patient.samples.sample.8.portions.portion.analytes.analyte.aliquots.aliquot.plat
737 738 755 NA's
1 2 8 189

patient.samples.sample.8.portions.portion.analytes.analyte.aliquots.aliquot.sour
23 NA's
11 189

patient.samples.sample.8.portions.portion.analytes.analyte.analyte_type:
repli-g (qiagen) dna NA's
11 189

patient.samples.sample.8.portions.portion.analytes.analyte.analyte_type_id:
w NA's
11 189

patient.samples.sample.8.portions.portion.analytes.analyte.dna.normal_tumor_geno
yes NA's
11 189

patient.samples.sample.8.portions.portion.analytes.analyte.dna.pcr_amplification
 yes NA's
 11 189

patient.samples.sample.8.portions.portion.analytes.analyte.gel_image_file:
<https://sharedoc.nchri.org/tcga-bcr/default.aspx>
 11
 NA's
 189

patient.samples.sample.8.portions.portion.analytes.analyte.is_derived_from_ffpe:
 no NA's
 11 189

patient.samples.sample.8.portions.portion.is_ffpe:
 no NA's
 11 189

patient.samples.sample.8.portions.portion.portion_number:
 1 NA's
 11 189

patient.samples.sample.8.sample_type:
 buccal cell normal solid tissue normal NA's
 1 10 189

patient.samples.sample.8.sample_type_id:
 11 12 NA's
 10 1 189

patient.samples.sample.8.vial_number:
 a d NA's
 1 10 189

patient.samples.sample.is_ffpe:
 no
 200

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.cent
 13 21 NA's
 11 187 2

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.is_d
 no NA's
 198 2

```
patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.plat
734 735 757 NA's
7 4 187 2
```

```
patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.sour
23 NA's
198 2
```

```
patient.samples.sample.portions.portion.analytes.analyte.2.analyte_type:
rna total rna NA's
187 11 2
```

```
patient.samples.sample.portions.portion.analytes.analyte.2.analyte_type_id:
r t NA's
187 11 2
```

```
patient.samples.sample.portions.portion.analytes.analyte.2.gel_image_file:
https://sharedoc.nchri.org/tcga-bcr/default.aspx
198
NA's
2
```

```
patient.samples.sample.portions.portion.analytes.analyte.2.is_derived_from_ffpe:
no NA's
198 2
```

```
patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.2.bo
tcga-ab-2909-03a-01t-0744-13 tcga-ab-2992-03a-01t-0740-13
1 1
NA's
198
```

```
patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.2.bo
647d1ea6-bb66-48d1-ba66-32b57b24851b 77952b61-6b89-4285-9443-a41246a7d8f2
1 1
NA's
198
```

```
patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.2.ce
13 NA's
2 198
```

```
patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.2.is
no NA's
2 198
```

```
patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.2.pl
740 744 NA's
1 1 198
```



```

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.2.so
  23 NA's
  2 198

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.cent
  8 13 NA's
 11 180 9

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.is_d
  no NA's
 191 9

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.plat
  Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 726.0 734.0 735.0 735.2 736.0 740.0 9

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.sour
  23 NA's
 191 9

patient.samples.sample.portions.portion.analytes.analyte.3.analyte_type:
repli-g (qiagen) dna total rna NA's
                   11          180          9

patient.samples.sample.portions.portion.analytes.analyte.3.analyte_type_id:
  t w NA's
 180 11 9

patient.samples.sample.portions.portion.analytes.analyte.3.dna.normal_tumor_geno
  yes NA's
  11 189

patient.samples.sample.portions.portion.analytes.analyte.3.dna.pcr_amplification
  yes NA's
  11 189

patient.samples.sample.portions.portion.analytes.analyte.3.gel_image_file:
https://sharedoc.nchri.org/tcga-bcr/default.aspx
                                     191
                                     NA's
                                     9

patient.samples.sample.portions.portion.analytes.analyte.3.is_derived_from_ffpe:
  no NA's
 191 9

```

```

patient.samples.sample.portions.portion.analytes.analyte.4.aliquots.aliquot.2.ce
  8   9 NA's
  1   6 193

patient.samples.sample.portions.portion.analytes.analyte.4.aliquots.aliquot.2.is
no NA's
  7 193

patient.samples.sample.portions.portion.analytes.analyte.4.aliquots.aliquot.2.pl
733 755 761 NA's
  1   3   3 193

patient.samples.sample.portions.portion.analytes.analyte.4.aliquots.aliquot.2.sc
23 NA's
  7 193

patient.samples.sample.portions.portion.analytes.analyte.4.aliquots.aliquot.3.bo
tcga-ab-2903-03a-01w-0761-09 NA's
                                1                                199

patient.samples.sample.portions.portion.analytes.analyte.4.aliquots.aliquot.3.bo
dfalb9d8-2350-47c4-8e24-999a0fdc367a NA's
                                1                                199

patient.samples.sample.portions.portion.analytes.analyte.4.aliquots.aliquot.3.ce
  9 NA's
  1 199

patient.samples.sample.portions.portion.analytes.analyte.4.aliquots.aliquot.3.is
no NA's
  1 199

patient.samples.sample.portions.portion.analytes.analyte.4.aliquots.aliquot.3.pl
761 NA's
  1 199

patient.samples.sample.portions.portion.analytes.analyte.4.aliquots.aliquot.3.sc
23 NA's
  1 199

patient.samples.sample.portions.portion.analytes.analyte.4.aliquots.aliquot.cent
  8   9 NA's
134   4   62

patient.samples.sample.portions.portion.analytes.analyte.4.aliquots.aliquot.is_d
no NA's
138   62

patient.samples.sample.portions.portion.analytes.analyte.4.aliquots.aliquot.plat
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.   NA's

```

726.0 726.0 732.0 732.1 733.0 755.0 62

patient.samples.sample.portions.portion.analytes.analyte.4.aliquots.aliquot.source
23 NA's
138 62

patient.samples.sample.portions.portion.analytes.analyte.4.analyte_type:
repli-g (qiagen) dna NA's
138 62

patient.samples.sample.portions.portion.analytes.analyte.4.analyte_type_id:
w NA's
138 62

patient.samples.sample.portions.portion.analytes.analyte.4.dna.normal_tumor_genome
yes NA's
138 62

patient.samples.sample.portions.portion.analytes.analyte.4.dna.pcr_amplification
yes NA's
138 62

patient.samples.sample.portions.portion.analytes.analyte.4.gel_image_file:
<https://sharedoc.nchri.org/tcga-bcr/default.aspx>
138
NA's
62

patient.samples.sample.portions.portion.analytes.analyte.4.is_derived_from_ffpe:
no NA's
138 62

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.2.cent
5 21 NA's
82 114 4

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.2.is_d
no NA's
196 4

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.2.plat
741 742 756 NA's
24 58 114 4

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.2.sour
23 NA's
196 4

```

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.3.cent
  21 NA's
  82 118

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.3.is_d
  no NA's
  82 118

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.3.plat
  756 NA's
  82 118

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.3.sour
  23 NA's
  82 118

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.center
  5  8  9  21
112 34 50  4

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.is_der
  no
200

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.plate_
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.
  730.0  739.0   741.0   739.3  741.0   756.0

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.source
  23
200

patient.samples.sample.portions.portion.analytes.analyte.analyte_type:
dna
200

patient.samples.sample.portions.portion.analytes.analyte.analyte_type_id:
  d
200

patient.samples.sample.portions.portion.analytes.analyte.dna.normal_tumor_genoty
yes
200

patient.samples.sample.portions.portion.analytes.analyte.dna.pcr_amplification_s
yes

```

200

```
patient.samples.sample.portions.portion.analytes.analyte.gel_image_file:
https://sharedoc.nchri.org/tcga-bcr/default.aspx
200
```

```
patient.samples.sample.portions.portion.analytes.analyte.is_derived_from_ffpe:
no
200
```

```
patient.samples.sample.portions.portion.is_ffpe:
no
200
```

```
patient.samples.sample.portions.portion.portion_number:
1
200
```

```
patient.samples.sample.sample_type:
primary blood derived cancer - peripheral blood
200
```

```
patient.samples.sample.sample_type_id:
3
200
```

```
patient.samples.sample.vial_number:
a
200
```

```
cluster.x:
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.    NA's
1.000  3.000   4.000  4.324  6.000   7.000     21
```

```
cluster.y:
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.    NA's
1.000  2.000   3.000  3.176  4.000   5.000     13
```

LGG

Brain Lower Grade Glioma

Description

A document describing the TCGA cancer code

Details

```
> experiments( LGG )
```

ExperimentList class object of length 11:

```
[1] CNASeq-20160128: RaggedExperiment with 6360 rows and 104 columns
[2] CNASNP-20160128: RaggedExperiment with 411918 rows and 1015 columns
[3] CNVSNP-20160128: RaggedExperiment with 79791 rows and 1015 columns
[4] GISTIC_AllByGene-20160128: SummarizedExperiment with 24776 rows and 513 columns
[5] GISTIC_ThresholdedByGene-20160128: SummarizedExperiment with 24776 rows and 513 columns
[6] Methylation-20160128: SummarizedExperiment with 485577 rows and 530 columns
[7] miRNASeqGene-20160128: SummarizedExperiment with 1046 rows and 526 columns
[8] mRNAArray-20160128: SummarizedExperiment with 17814 rows and 27 columns
[9] Mutation-20160128: RaggedExperiment with 9885 rows and 286 columns
[10] RNASeq2GeneNorm-20160128: SummarizedExperiment with 20501 rows and 530 columns
[11] RPPAArray-20160128: SummarizedExperiment with 201 rows and 435 columns
```

> rownames(LGG)

CharacterList of length 11

```
["CNASeq-20160128"] character(0)
["CNASNP-20160128"] character(0)
["CNVSNP-20160128"] character(0)
["GISTIC_AllByGene-20160128"] ACAP3 ACTRT2 ... WASIR1|ENSG00000185203.7
["GISTIC_ThresholdedByGene-20160128"] ACAP3 ... WASIR1|ENSG00000185203.7
["Methylation-20160128"] cg00000029 cg00000108 ... rs966367 rs9839873
["miRNASeqGene-20160128"] hsa-let-7a-1 hsa-let-7a-2 ... hsa-mir-99b
["mRNAArray-20160128"] ELMO2 CREB3L1 RPS11 PNMA1 ... SLC39A6 SNRPD2 AQP7 CTSC
["Mutation-20160128"] character(0)
["RNASeq2GeneNorm-20160128"] A1BG A1CF A2BP1 A2LD1 ... ZZZ3 psiTPTE22 tAKR
...
<1 more element>
```

> colnames(LGG)

CharacterList of length 11

```
["CNASeq-20160128"] TCGA-CS-4938-01B-11D-1891-02 ...
["CNASNP-20160128"] TCGA-CS-4938-01B-11D-1892-01 ...
["CNVSNP-20160128"] TCGA-CS-4938-01B-11D-1892-01 ...
["GISTIC_AllByGene-20160128"] TCGA-CS-4938-01B-11D-1892-01 ...
["GISTIC_ThresholdedByGene-20160128"] TCGA-CS-4938-01B-11D-1892-01 ...
["Methylation-20160128"] TCGA-CS-4938-01B-11D-1894-05 ...
["miRNASeqGene-20160128"] TCGA-CS-4938-01B-11R-1895-13 ...
["mRNAArray-20160128"] TCGA-CS-4942-01A-01R-1470-07 ...
["Mutation-20160128"] TCGA-CS-4938-01B-11D-1893-08 ...
["RNASeq2GeneNorm-20160128"] TCGA-CS-4938-01B-11R-1896-07 ...
...
<1 more element>
```

Sizes of each ExperimentList element:

		assay size.Mb
1	CNASeq-20160128	0.2 Mb
2	CNASNP-20160128	11.3 Mb
3	CNVSNP-20160128	2.4 Mb
4	GISTIC_AllByGene-20160128	4.4 Mb
5	GISTIC_ThresholdedByGene-20160128	4.4 Mb
6	Methylation-20160128	67.5 Mb

```

7          miRNASeqGene-20160128  0.1 Mb
8          mRNAArray-20160128    1 Mb
9          Mutation-20160128     4 Mb
10         RNASeq2GeneNorm-20160128 1.2 Mb
11         RPPAArray-20160128     0.1 Mb

```

```

-----
Overall survival time-to-event summary (in years):
-----

```

```

Call: survfit(formula = survival::Surv(colDat$days_to_death/365, colDat$vital_status - 1)

```

```

      391 observations deleted due to missingness
      n events median 0.95LCL 0.95UCL
125.00 125.00   2.23   1.87   2.83

```

```

-----
Available sample meta-data:
-----

```

```

years_to_birth:

```

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
14.00	32.00	41.00	42.93	53.00	86.00	2

```

vital_status:

```

0	1	NA's
389	126	1

```

days_to_death:

```

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
7	438	814	1219	1547	5166	391

```

days_to_last_followup:

```

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
-1.0	384.0	629.0	880.1	1147.0	6423.0	127

```

tumor_tissue_site:

```

central nervous system	NA's
515	1

```

gender:

```

female	male	NA's
230	285	1

```

date_of_initial_pathologic_diagnosis:

```

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1992	2008	2011	2009	2012	2013	1

```

radiation_therapy:

```

no	yes	NA's					
186	296	34					
karnofsky_performance_score:							
Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's	
40.00	80.00	90.00	86.64	100.00	100.00	209	
histological_type:							
astrocytoma	oligoastrocytoma	oligodendroglioma				NA's	
194		130		191			1
race:							
american indian or alaska native						asian	
			1			8	
black or african american						white	
			21			475	
			NA's				
			11				
ethnicity:							
hispanic or latino	not hispanic or latino					NA's	
32				449			35
admin.bcr:							
nationwide children's hospital						NA's	
			515				1
admin.day_of_dcc_upload:							
1	NA's						
515		1					
admin.disease_code:							
lgg	NA's						
515		1					
admin.month_of_dcc_upload:							
10	NA's						
515		1					
admin.patient_withdrawal.withdrawn:							
false	NA's						
515		1					
admin.project_code:							
tcga	NA's						
515		1					
admin.year_of_dcc_upload:							
2015	NA's						
515		1					


```

patient.age_at_initial_pathologic_diagnosis:
  Min. 1st Qu.  Median    Mean 3rd Qu.  Max.    NA's
  14.00  32.00  41.00  42.94  53.00  87.00    1

patient.animal_insect_allergy_history:
  no  yes NA's
  287  15  214

patient.asthma_history:
  no  yes NA's
  345  21  150

patient.clinical_cqcf.consent_or_death_status:
  consented    deceased exemption 4    NA's
           435           72           8           1

patient.clinical_cqcf.days_to_consent:
  Min. 1st Qu.  Median    Mean 3rd Qu.  Max.    NA's
 -120.0    -2.0    0.0  140.3   13.0  6419.0    88

patient.clinical_cqcf.days_to_death:
  Min. 1st Qu.  Median    Mean 3rd Qu.  Max.    NA's
  23.0  425.8  902.5  1304.6  1936.2  4445.0   444

patient.clinical_cqcf.frozen_specimen_anatomic_site:
brain; supratentorial    popliteal fossa    spinal cord
           454           3           1
           unknown           NA's
           57           1

patient.clinical_cqcf.histological_type:
  astrocytoma oligoastrocytoma oligodendroglioma    NA's
           193           132           190           1

patient.clinical_cqcf.history_of_neoadjuvant_treatment:
  no
  512
yes, pharmaceutical treatment prior to resection
  2
  yes, radiation prior to resection
  1
  NA's
  1

patient.clinical_cqcf.history_of_prior_malignancy:
  no
  499
  yes, history of prior malignancy
  15

```

yes, history of synchronous and or bilateral malignancy
 1
 NA's
 1

patient.clinical_cqcf.tumor_type:
 primary NA's
 512 4

patient.day_of_form_completion:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 1.00 8.00 15.00 15.36 22.00 31.00 1

patient.days_to_birth:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 -31776 -19610 -15048 -15863 -11970 -5267 2

patient.days_to_death:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 7.0 352.8 801.0 1205.8 1793.0 4445.0 424

patient.days_to_initial_pathologic_diagnosis:
 0 NA's
 515 1

patient.days_to_initial_score_performance_status_scale:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 -122.0 -3.0 8.0 121.2 53.0 4445.0 234

patient.days_to_last_followup:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 -1.0 121.0 302.0 607.8 774.2 6423.0 92

patient.drugs.drug.10.day_of_form_completion:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 11.00 15.25 17.50 19.67 24.25 31.00 510

patient.drugs.drug.10.days_to_drug_therapy_end:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 154 1271 2288 2230 3270 4124 510

patient.drugs.drug.10.days_to_drug_therapy_start:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 48 1198 2198 2107 2987 4081 510

patient.drugs.drug.10.measure_of_response:
 clinical progressive disease NA's
 2 514

patient.drugs.drug.10.month_of_form_completion:

1	5	8	NA's
2	1	3	510

patient.drugs.drug.10.number_cycles:

2	4	14	NA's
2	1	1	512

patient.drugs.drug.10.prescribed_dose:

1.4	10	15	82.5	NA's
1	1	1	1	512

patient.drugs.drug.10.prescribed_dose_units:

mg/kg	mg/m2	NA's
2	2	512

patient.drugs.drug.10.regimen_indication:

adjuvant	progression	NA's
1	3	512

patient.drugs.drug.10.regimen_number:

1	6	8	13	NA's
1	1	1	1	512

patient.drugs.drug.10.route_of_administrations.route_of_administration:

intravenous (iv)	oral	NA's
3	1	512

patient.drugs.drug.10.therapy_ongoing:

no	NA's
6	510

patient.drugs.drug.10.therapy_types.therapy_type:

chemotherapy	immunotherapy
3	1
targeted molecular therapy	NA's
2	510

patient.drugs.drug.10.total_dose:

8	280	1172	10192	NA's
1	1	1	1	512

patient.drugs.drug.10.total_dose_units:

mg	NA's
4	512

patient.drugs.drug.10.tx_on_clinical_trial:

no	NA's
2	514

patient.drugs.drug.10.year_of_form_completion:

2011	2014	NA's
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4 2 510

patient.drugs.drug.11.bcr_drug_barcode:

tcga-du-6404-d14804	tcga-e1-5302-d7577	tcga-e1-5318-d7622	tcga-e1-a7z4-d61759
1	1	1	1
NA's			
512			

patient.drugs.drug.11.bcr_drug_uuid:

4784091c-7545-4001-bb2f-b2d9920e698b	74468cb9-fcf4-4b97-a28f-164a5d94f934
1	1
7964078b-3059-4440-8855-5ada2090cfe0	9a3dd9aa-87ee-4227-af43-6166975ee44b
1	1
NA's	
512	

patient.drugs.drug.11.day_of_form_completion:

16	19	21	26	NA's
1	1	1	1	512

patient.drugs.drug.11.days_to_drug_therapy_end:

294	1026	4066	4137	NA's
1	1	1	1	512

patient.drugs.drug.11.days_to_drug_therapy_start:

202	824	4066	4081	NA's
1	1	1	1	512

patient.drugs.drug.11.drug_name:

bevacizumab	procarbazine	temodar	temozolomide	NA's
1	1	1	1	512

patient.drugs.drug.11.measure_of_response:

clinical	progressive	disease	NA's
1			515

patient.drugs.drug.11.month_of_form_completion:

1	6	8	NA's
2	1	1	512

patient.drugs.drug.11.number_cycles:

1	2	7	NA's
1	1	1	513

patient.drugs.drug.11.prescribed_dose:

10	75	150	NA's
1	1	1	513

patient.drugs.drug.11.prescribed_dose_units:

mg/kg	mg/m2	NA's
1	2	513

patient.drugs.drug.11.regimen_indication:

adjuvant progression	NA's
2 1	513

patient.drugs.drug.11.regimen_number:

3 10 NA's
2 1 513

patient.drugs.drug.11.route_of_administrations.route_of_administration:

intravenous (iv)	oral	NA's
1	2	513

patient.drugs.drug.11.therapy_ongoing:

no NA's
4 512

patient.drugs.drug.11.therapy_types.therapy_type:

chemotherapy	targeted	molecular	therapy
3			1
NA's			
512			

patient.drugs.drug.11.total_dose:

635 7840 8400 NA's
1 1 1 513

patient.drugs.drug.11.total_dose_units:

mg NA's
3 513

patient.drugs.drug.11.tx_on_clinical_trial:

no NA's
1 515

patient.drugs.drug.11.year_of_form_completion:

2011 2014 NA's
3 1 512

patient.drugs.drug.12.bcr_drug_barcode:

tcga-e1-5302-d7584	tcga-e1-5318-d7629	tcga-e1-a7z4-d61761	NA's
1	1	1	513

patient.drugs.drug.12.bcr_drug_uuid:

0b29e6cd-3baa-44d6-8169-0fdb64b67e0e	98e606fe-d8e2-423e-a0ef-c9f8d553ed9c
1	1
c5b80291-66ea-4e01-815c-852f2e3ca534	NA's
1	513

patient.drugs.drug.12.day_of_form_completion:

16 19 26 NA's
1 1 1 513

patient.drugs.drug.12.days_to_drug_therapy_end:

1434 1904 4336 NA's
1 1 1 513

patient.drugs.drug.12.days_to_drug_therapy_start:

1322 1655 4138 NA's
1 1 1 513

patient.drugs.drug.12.drug_name:

avastin ccnu cpt-11 NA's
1 1 1 513

patient.drugs.drug.12.measure_of_response:

clinical progressive disease NA's
1 515

patient.drugs.drug.12.month_of_form_completion:

1 8 NA's
2 1 513

patient.drugs.drug.12.number_cycles:

3 NA's
2 514

patient.drugs.drug.12.prescribed_dose:

110 340 NA's
1 1 514

patient.drugs.drug.12.prescribed_dose_units:

mg/m2 NA's
2 514

patient.drugs.drug.12.regimen_indication:

progression NA's
2 514

patient.drugs.drug.12.regimen_number:

7 NA's
2 514

patient.drugs.drug.12.route_of_administrations.route_of_administration:

intravenous (iv) oral NA's
1 1 514

patient.drugs.drug.12.therapy_ongoing:

no NA's
3 513

patient.drugs.drug.12.therapy_types.therapy_type:

chemotherapy immunotherapy NA's
2 1 513

patient.drugs.drug.12.total_dose:
 540 5670 NA's
 1 1 514

patient.drugs.drug.12.total_dose_units:
 mg NA's
 2 514

patient.drugs.drug.12.tx_on_clinical_trial:
 no NA's
 1 515

patient.drugs.drug.12.year_of_form_completion:
 2011 2014 NA's
 2 1 513

patient.drugs.drug.13.bcr_drug_barcode:
 tcga-e1-5302-d7578 tcga-e1-5318-d7636 tcga-e1-a7z4-d61762 NA's
 1 1 1 513

patient.drugs.drug.13.bcr_drug_uuid:
 5cd187c5-7576-451c-b84d-341b29cc2732 cd15de85-acfa-4ddb-b91d-ce601eafec3 1
 1
 feb703c5-9c8f-4b8f-8353-1131d01355ee NA's
 1 513

patient.drugs.drug.13.day_of_form_completion:
 16 19 26 NA's
 1 1 1 513

patient.drugs.drug.13.days_to_drug_therapy_end:
 294 2211 4308 NA's
 1 1 1 513

patient.drugs.drug.13.days_to_drug_therapy_start:
 202 2127 4138 NA's
 1 1 1 513

patient.drugs.drug.13.drug_name:
 carboplatin cpt-11 vincristine NA's
 1 1 1 513

patient.drugs.drug.13.measure_of_response:
 clinical progressive disease NA's
 1 515

patient.drugs.drug.13.month_of_form_completion:
 1 8 NA's
 2 1 513

patient.drugs.drug.13.number_cycles:
 2 NA's

2 514

patient.drugs.drug.13.prescribed_dose:

1.4 260 NA's

1 1 514

patient.drugs.drug.13.prescribed_dose_units:

mg/m2 NA's

2 514

patient.drugs.drug.13.regimen_indication:

adjuvant NA's

2 514

patient.drugs.drug.13.regimen_number:

3 11 NA's

1 1 514

patient.drugs.drug.13.route_of_administrations.route_of_administration:

intravenous (iv) NA's

2 514

patient.drugs.drug.13.therapy_ongoing:

no NA's

3 513

patient.drugs.drug.13.therapy_types.therapy_type:

chemotherapy NA's

3 513

patient.drugs.drug.13.total_dose:

8 3400 NA's

1 1 514

patient.drugs.drug.13.total_dose_units:

mg NA's

2 514

patient.drugs.drug.13.tx_on_clinical_trial:

no NA's

1 515

patient.drugs.drug.13.year_of_form_completion:

2011 2014 NA's

2 1 513

patient.drugs.drug.14.bcr_drug_barcode:

tcga-e1-5318-d7635 NA's

1 515

patient.drugs.drug.14.bcr_drug_uuid:

40ce51f2-557a-411e-b618-642259b5929d

NA's

1

515

patient.drugs.drug.14.day_of_form_completion:

26 NA's

1 515

patient.drugs.drug.14.days_to_drug_therapy_end:

2127 NA's

1 515

patient.drugs.drug.14.days_to_drug_therapy_start:

2023 NA's

1 515

patient.drugs.drug.14.drug_name:

cpt-11 NA's

1 515

patient.drugs.drug.14.month_of_form_completion:

1 NA's

1 515

patient.drugs.drug.14.number_cycles:

1 NA's

1 515

patient.drugs.drug.14.prescribed_dose:

350 NA's

1 515

patient.drugs.drug.14.prescribed_dose_units:

mg/m2 NA's

1 515

patient.drugs.drug.14.regimen_indication:

progression NA's

1 515

patient.drugs.drug.14.regimen_number:

10 NA's

1 515

patient.drugs.drug.14.route_of_administrations.route_of_administration:

intravenous (iv) NA's

1 515

patient.drugs.drug.14.therapy_ongoing:

no NA's

1 515

patient.drugs.drug.14.therapy_types.therapy_type:

chemotherapy NA's

1 515

patient.drugs.drug.14.total_dose:

1710 NA's

1 515

patient.drugs.drug.14.total_dose_units:

mg NA's

1 515

patient.drugs.drug.14.year_of_form_completion:

2011 NA's

1 515

patient.drugs.drug.2.clinical_trail_drug_classification:

chemotherapy targeted molecular therapy

1 1

NA's

514

patient.drugs.drug.2.day_of_form_completion:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1.0	14.0	19.0	18.1	23.0	31.0	363

patient.drugs.drug.2.days_to_drug_therapy_end:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
-30.0	128.5	288.0	583.7	658.5	4543.0	396

patient.drugs.drug.2.days_to_drug_therapy_start:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
-49.0	78.5	123.5	421.2	468.5	4500.0	364

patient.drugs.drug.2.measure_of_response:

clinical progressive disease complete response

22 5

partial response stable disease

4 29

NA's

456

patient.drugs.drug.2.month_of_form_completion:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1.000	5.000	7.000	6.682	9.000	12.000	362

patient.drugs.drug.2.number_cycles:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1.000	1.000	2.000	3.731	6.000	17.000	449

patient.drugs.drug.2.prescribed_dose:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
2.0	75.0	125.0	152.5	193.8	560.0	454

patient.drugs.drug.2.regimen_indication:		progression
adjuvant	other: specify in notes	
54		17
NA's		
444		

patient.drugs.drug.2.regimen_indication_notes:	
neo-adjuvant	NA's
1	515

patient.drugs.drug.2.regimen_number:						
Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1.000	1.000	1.000	1.861	2.000	8.000	444

patient.drugs.drug.2.route_of_administrations.route_of_administration:				NA's
intratumoral	intravenous (iv)	oral		
1	10	61		444

patient.drugs.drug.2.therapy_ongoing:			
no	yes	NA's	
125	27	364	

patient.drugs.drug.2.therapy_types.therapy_type_notes:	
brachytherapy	NA's
1	515

patient.drugs.drug.2.total_dose:						
Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
4.0	249.8	1060.0	4728.8	5880.0	94920.0	460

patient.drugs.drug.2.tx_on_clinical_trial:			
no	yes	NA's	
74	6	436	

patient.drugs.drug.2.year_of_form_completion:						
Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
2010	2011	2012	2012	2014	2015	362

patient.drugs.drug.3.day_of_form_completion:						
Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1.0	12.0	19.0	17.7	24.0	31.0	423

patient.drugs.drug.3.days_to_drug_therapy_end:						
Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's

59.0 280.2 505.5 866.0 1204.2 3868.0 438

patient.drugs.drug.3.days_to_drug_therapy_start:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
2.0	129.0	328.0	727.7	999.0	3282.0	423

patient.drugs.drug.3.measure_of_response:

clinical progressive disease	complete response
20	1
partial response	stable disease
4	15
NA's	
476	

patient.drugs.drug.3.month_of_form_completion:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1.000	4.000	7.000	6.538	9.000	12.000	423

patient.drugs.drug.3.number_cycles:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1.000	1.000	2.000	5.108	7.000	19.000	479

patient.drugs.drug.3.prescribed_dose:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
10.0	75.0	150.0	262.8	330.0	1611.0	483

patient.drugs.drug.3.prescribed_dose_units:

mg	mg/day	mg/kg	mg/m2	NA's
8	7	5	18	478

patient.drugs.drug.3.regimen_indication:

adjuvant progression	recurrence	NA's
19	23	1
		473

patient.drugs.drug.3.regimen_number:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1.000	1.000	2.000	2.674	3.000	12.000	473

patient.drugs.drug.3.route_of_administrations.route_of_administration:

intravenous (iv)	oral	NA's
10	32	474

patient.drugs.drug.3.therapy_ongoing:

no	yes	NA's
81	10	425

patient.drugs.drug.3.therapy_types.therapy_type:

chemotherapy	immunotherapy
74	5
other, specify	targeted molecular therapy
2	10

NA's
425

patient.drugs.drug.3.therapy_types.therapy_type_notes:

nsaid NA's
2 514

patient.drugs.drug.3.total_dose:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
140.0	787.5	1555.5	26955.2	9371.2	425600.0	488

patient.drugs.drug.3.total_dose_units:

mg	mg/m2	NA's
33	1	482

patient.drugs.drug.3.tx_on_clinical_trial:

no	yes	NA's
46	4	466

patient.drugs.drug.3.year_of_form_completion:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
2010	2011	2013	2013	2014	2015	423

patient.drugs.drug.4.day_of_form_completion:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
4.00	12.00	17.00	17.06	22.00	31.00	467

patient.drugs.drug.4.days_to_drug_therapy_end:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
59	501	752	1154	1234	4152	473

patient.drugs.drug.4.days_to_drug_therapy_start:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
28.0	345.5	665.0	1013.5	1104.5	3996.0	468

patient.drugs.drug.4.measure_of_response:

clinical progressive disease	partial response
22	1
stable disease	NA's
4	489

patient.drugs.drug.4.month_of_form_completion:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1.000	5.000	8.000	6.959	8.000	12.000	467

patient.drugs.drug.4.number_cycles:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1.000	1.000	4.000	7.118	6.000	41.000	499

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patient.drugs.drug.4.prescribed_dose:
  Min. 1st Qu.  Median    Mean 3rd Qu.  Max.  NA's
    8.0   75.0   150.0   262.9  450.0   800.0  501

patient.drugs.drug.4.prescribed_dose_units:
{wafer}      mg    mg/kg  mg/m2  NA's
    1         4      1      11    499

patient.drugs.drug.4.regimen_indication:
  adjuvant progression  NA's
    7                  13    496

patient.drugs.drug.4.regimen_number:
  Min. 1st Qu.  Median    Mean 3rd Qu.  Max.  NA's
  1.00   1.75   3.00   3.20   4.00   8.00   496

patient.drugs.drug.4.route_of_administrations.route_of_administration:
  intratumoral intravenous (iv)  oral  NA's
    1              6              12    497

patient.drugs.drug.4.therapy_ongoing:
  no  yes NA's
  46  2  468

patient.drugs.drug.4.therapy_types.therapy_type:
  chemotherapy  immunotherapy
    35          3
  other, specify targeted molecular therapy
    3          6
  NA's
    469

patient.drugs.drug.4.therapy_types.therapy_type_notes:
  antiongigenic  antiongiogenic radiosensitizer  NA's
    1              1              1          513

patient.drugs.drug.4.total_dose:
  Min. 1st Qu.  Median    Mean 3rd Qu.  Max.  NA's
    8.0   258.2   915.5 17908.9  7805.0 95200.0  502

patient.drugs.drug.4.total_dose_units:
{wafer}      mg    NA's
    1         15    500

patient.drugs.drug.4.tx_on_clinical_trial:
  no  yes NA's
  24  5  487

patient.drugs.drug.4.year_of_form_completion:
  Min. 1st Qu.  Median    Mean 3rd Qu.  Max.  NA's
  2010   2011   2013    2013   2014   2015   467

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patient.drugs.drug.5.day_of_form_completion:
  Min. 1st Qu.  Median    Mean 3rd Qu.  Max.  NA's
  4.00  14.00   15.00   16.88  22.00   31.00  483

patient.drugs.drug.5.days_to_drug_therapy_end:
  Min. 1st Qu.  Median    Mean 3rd Qu.  Max.  NA's
   89    573    781    1157   1347   4207  485

patient.drugs.drug.5.days_to_drug_therapy_start:
  Min. 1st Qu.  Median    Mean 3rd Qu.  Max.  NA's
 82.0  409.8   700.5  1053.2  1263.8  4152.0  484

patient.drugs.drug.5.measure_of_response:
clinical progressive disease      stable disease
                                16                               3
                                NA's
                                497

patient.drugs.drug.5.month_of_form_completion:
  Min. 1st Qu.  Median    Mean 3rd Qu.  Max.  NA's
 1.000  3.000   8.000   6.364   8.000  12.000  483

patient.drugs.drug.5.number_cycles:
  Min. 1st Qu.  Median    Mean 3rd Qu.  Max.  NA's
 1.000  1.000   2.000   4.636   9.000  12.000  505

patient.drugs.drug.5.prescribed_dose:
  Min. 1st Qu.  Median    Mean 3rd Qu.  Max.  NA's
  2.2    75.0   110.0   149.2   177.5   560.0  506

patient.drugs.drug.5.prescribed_dose_units:
mg mg/m2  NA's
  1    10   505

patient.drugs.drug.5.regimen_indication:
adjuvant progression      NA's
  3          9          504

patient.drugs.drug.5.regimen_number:
  Min. 1st Qu.  Median    Mean 3rd Qu.  Max.  NA's
 1.000  2.000   3.000   3.417   4.250   8.000  504

patient.drugs.drug.5.route_of_administrations.route_of_administration:
intravenous (iv)          oral          NA's
  3          9          504

patient.drugs.drug.5.route_of_administrations.route_of_administration.2:
oral NA's
  1  515

```

patient.drugs.drug.5.therapy_ongoing:

no	yes	NA's
32	1	483

patient.drugs.drug.5.therapy_types.therapy_type:

ancillary	chemotherapy
1	28
immunotherapy	targeted molecular therapy
3	1
NA's	
483	

patient.drugs.drug.5.total_dose:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
11	165	305	3693	2880	25200	506

patient.drugs.drug.5.total_dose_units:

mg	NA's
11	505

patient.drugs.drug.5.tx_on_clinical_trial:

no	yes	NA's
18	3	495

patient.drugs.drug.5.year_of_form_completion:

2011	2013	2014	2015	NA's
12	1	13	7	483

patient.drugs.drug.6.day_of_form_completion:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
4.00	15.00	15.50	18.05	23.50	31.00	494

patient.drugs.drug.6.days_to_drug_therapy_end:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
160	593	1062	1473	2043	4418	495

patient.drugs.drug.6.days_to_drug_therapy_start:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
125.0	393.5	891.0	1345.5	1877.5	4289.0	494

patient.drugs.drug.6.measure_of_response:

clinical progressive disease	stable disease
9	2
NA's	
505	

patient.drugs.drug.6.month_of_form_completion:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
------	---------	--------	------	---------	------	------

1.000	3.500	8.000	6.227	8.000	12.000	494
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patient.drugs.drug.6.number_cycles:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1.000	2.000	2.000	4.111	4.000	12.000	507

patient.drugs.drug.6.prescribed_dose:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
100.0	125.0	150.0	173.9	200.0	400.0	507

patient.drugs.drug.6.prescribed_dose_units:

mg	mg/m2	NA's
1	8	507

patient.drugs.drug.6.regimen_indication:

adjuvant	progression	NA's
2	7	507

patient.drugs.drug.6.regimen_number:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
2.000	4.000	5.000	5.111	6.000	9.000	507

patient.drugs.drug.6.route_of_administrations.route_of_administration:

intravenous (iv)	oral	NA's
1	8	507

patient.drugs.drug.6.therapy_ongoing:

no	yes	NA's
21	1	494

patient.drugs.drug.6.therapy_types.therapy_type:

chemotherapy	immunotherapy
17	3
other, specify targeted molecular therapy	
1	1
NA's	
494	

patient.drugs.drug.6.therapy_types.therapy_type_notes:

nsaids	NA's
1	515

patient.drugs.drug.6.total_dose:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
140	1620	3000	9602	8250	44800	508

patient.drugs.drug.6.total_dose_units:

mg	NA's
8	508

patient.drugs.drug.6.tx_on_clinical_trial:

no	yes	NA's
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11 2 503

patient.drugs.drug.6.year_of_form_completion:

2011	2013	2014	2015	NA's
9	1	9	3	494

patient.drugs.drug.7.day_of_form_completion:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
9.00	15.00	19.00	19.41	24.00	31.00	499

patient.drugs.drug.7.days_to_drug_therapy_end:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
285	848	1276	1480	2006	2799	500

patient.drugs.drug.7.days_to_drug_therapy_start:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
260	846	1266	1341	1861	2615	499

patient.drugs.drug.7.measure_of_response:

clinical progressive disease	stable disease
4	3
NA's	
509	

patient.drugs.drug.7.month_of_form_completion:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1.000	3.000	8.000	5.824	8.000	9.000	499

patient.drugs.drug.7.number_cycles:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1.000	2.000	4.000	4.556	6.000	12.000	507

patient.drugs.drug.7.prescribed_dose:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
10.0	87.5	162.5	135.6	200.0	200.0	508

patient.drugs.drug.7.prescribed_dose_units:

mg	mg/kg	mg/m2	NA's
2	1	6	507

patient.drugs.drug.7.regimen_indication:

adjuvant	progression	NA's
3	6	507

patient.drugs.drug.7.regimen_number:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
2.000	4.000	5.000	5.444	8.000	9.000	507

patient.drugs.drug.7.route_of_administrations.route_of_administration:

intravenous (iv)		oral		NA's
	2		7	507

patient.drugs.drug.7.therapy_ongoing:

no	yes	NA's
16	1	499

patient.drugs.drug.7.therapy_types.therapy_type:

chemotherapy		immunotherapy
	10	
targeted molecular therapy		NA's
	4	500

patient.drugs.drug.7.total_dose:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
134	1437	5950	6342	11325	13200	508

patient.drugs.drug.7.total_dose_units:

mg	NA's
9	507

patient.drugs.drug.7.tx_on_clinical_trial:

no	yes	NA's
6	2	508

patient.drugs.drug.7.year_of_form_completion:

2011	2014	2015	NA's
9	6	2	499

patient.drugs.drug.8.day_of_form_completion:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
9.00	14.50	19.00	19.27	24.00	31.00	501

patient.drugs.drug.8.days_to_drug_therapy_end:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
260	837	1329	1635	2258	3749	501

patient.drugs.drug.8.days_to_drug_therapy_start:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
229.0	773.5	1266.0	1508.9	2230.5	3282.0	501

patient.drugs.drug.8.measure_of_response:

clinical progressive disease		stable disease
	4	
	NA's	2
	510	

patient.drugs.drug.8.month_of_form_completion:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
------	---------	--------	------	---------	------	------

1.000	3.000	8.000	5.933	8.000	9.000	501
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patient.drugs.drug.8.number_cycles:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1.000	1.000	2.000	3.778	5.000	15.000	507

patient.drugs.drug.8.prescribed_dose:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
10.00	72.50	91.25	96.56	112.50	200.00	508

patient.drugs.drug.8.prescribed_dose_units:

mg	mg/day	mg/kg	mg/m2	NA's
3	1	1	4	507

patient.drugs.drug.8.regimen_indication:

adjuvant	progression	NA's
2	7	507

patient.drugs.drug.8.regimen_number:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
2.000	4.000	6.000	6.444	7.000	12.000	507

patient.drugs.drug.8.route_of_administrations.route_of_administration:

intravenous (iv)	oral	NA's
1	8	507

patient.drugs.drug.8.therapy_ongoing:

no	NA's
15	501

patient.drugs.drug.8.therapy_types.therapy_type:

chemotherapy	hormone therapy
9	4

targeted molecular therapy

NA's
1

502

patient.drugs.drug.8.total_dose:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
180	1250	3500	13851	14000	84000	507

patient.drugs.drug.8.total_dose_units:

mg	NA's
9	507

patient.drugs.drug.8.tx_on_clinical_trial:

no	yes	NA's
5	1	510

patient.drugs.drug.8.year_of_form_completion:

2011	2014	NA's
9	6	501

```

patient.drugs.drug.9.day_of_form_completion:
  Min. 1st Qu.  Median    Mean 3rd Qu.  Max.  NA's
  10.00  14.00  15.50  18.10  22.75  31.00  506

patient.drugs.drug.9.days_to_drug_therapy_end:
  Min. 1st Qu.  Median    Mean 3rd Qu.  Max.  NA's
   824   1037   1674   2010   2674   3888   506

patient.drugs.drug.9.days_to_drug_therapy_start:
  Min. 1st Qu.  Median    Mean 3rd Qu.  Max.  NA's
 781.0  979.8 1472.0 1814.5 2472.2 3545.0  506

patient.drugs.drug.9.measure_of_response:
clinical progressive disease      stable disease
                                3                                1
                                NA's
                                512

patient.drugs.drug.9.month_of_form_completion:
  1    5    8 NA's
  2    1    7 506

patient.drugs.drug.9.number_cycles:
  1    4    6  10 NA's
  2    2    1    1 510

patient.drugs.drug.9.prescribed_dose:
  Min. 1st Qu.  Median    Mean 3rd Qu.  Max.  NA's
   5.00  46.25 142.50 207.50 193.75 730.00  510

patient.drugs.drug.9.prescribed_dose_units:
  auc    mg mg/m2  NA's
   1    1    4    510

patient.drugs.drug.9.regimen_indication:
  adjuvant progression      NA's
                   2         4         510

patient.drugs.drug.9.regimen_number:
  2    6    8    9 NA's
  1    2    1    2 510

patient.drugs.drug.9.route_of_administrations.route_of_administration:
intravenous (iv)      oral      NA's
                   1         5         510

patient.drugs.drug.9.therapy_ongoing:
  no NA's
  10 506

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patient.drugs.drug.9.therapy_types.therapy_type:
  chemotherapy immunotherapy      NA's
           8           2           506

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```

patient.drugs.drug.9.total_dose:
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.    NA's
  200   1065   3825   16130   6225   81760   510

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```

patient.drugs.drug.9.total_dose_units:
  mg NA's
  6 510

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```

patient.drugs.drug.9.tx_on_clinical_trial:
  no NA's
  4 512

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```

patient.drugs.drug.9.year_of_form_completion:
  2011 2014 NA's
  6    4 506

```

```

patient.drugs.drug.clinical_trail_drug_classification:
  chemotherapy          e3fo5
           1           1
  targeted molecular therapy      NA's
           1           513

```

```

patient.drugs.drug.day_of_form_completion:
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.    NA's
  1.00  10.25  18.00  16.66  22.00  31.00  234

```

```

patient.drugs.drug.days_to_drug_therapy_end:
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.    NA's
-227.00  84.75  248.00  465.96  443.00  4901.00  286

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```

patient.drugs.drug.days_to_drug_therapy_start:
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.    NA's
-325.0    28.0    57.0   302.7   209.8  4536.0   236

```

```

patient.drugs.drug.measure_of_response:
  clinical progressive disease      complete response
           28           14
  partial response      stable disease
           9           84
  NA's
  381

```

```

patient.drugs.drug.month_of_form_completion:
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.    NA's

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1.000	4.000	8.000	6.947	10.000	12.000	231
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patient.drugs.drug.number_cycles:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1.000	1.000	3.000	4.402	6.000	13.000	419

patient.drugs.drug.regimen_indication:

adjuvant	other: specify in notes	recurrence	progression
79			26
		2	
		NA's	
		407	

patient.drugs.drug.regimen_indication_notes:

neo-adjuvant	post-operative	NA's
1	1	514

patient.drugs.drug.route_of_administrations.route_of_administration:

intratumoral	intravenous (iv)	oral	NA's
2	11	97	406

patient.drugs.drug.therapy_ongoing:

no	yes	NA's
238	44	234

patient.drugs.drug.therapy_types.therapy_type_notes:

retinoid	NA's
1	515

patient.drugs.drug.total_dose_units:

{wafer}	mg	mg/m2	NA's
1	94	5	416

patient.drugs.drug.tx_on_clinical_trial:

no	yes	NA's
160	12	344

patient.drugs.drug.year_of_form_completion:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
2010	2011	2013	2012	2014	2015	
						231

patient.eastern_cancer_oncology_group:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0.0000	0.0000	0.5000	0.5667	1.0000	4.0000	366

patient.eczema_history:

no	yes	NA's
344	12	160

```

patient.ethnicity:
  hispanic or latino not hispanic or latino      NA's
                32                449                35

patient.family_history_of_cancer:
  no  yes NA's
210 132 174

patient.family_history_of_primary_brain_tumor:
  no  yes NA's
333  14 169

patient.first_diagnosis_age_asth_ecz_hay_fev_mold_dust:
  < 12 years    > 20 years 12 - 20 years      NA's
                14            18            3            481

patient.first_diagnosis_age_of_animal_insect_allergy:
  < 12 years    > 20 years 12 - 20 years      NA's
                2            6            2            506

patient.first_diagnosis_age_of_food_allergy:
  > 20 years 12 - 20 years      NA's
                3            3            510

patient.first_presenting_symptom_longest_duration:
  > 181 days  0 - 30 days 31 - 90 days 91 - 180 days      NA's
                111            219            77            37            72

patient.follow_ups.follow_up.2.additional_pharmaceutical_therapy:
  no  yes NA's
 17  14 485

patient.follow_ups.follow_up.2.additional_radiation_therapy:
  no  yes NA's
 28   3 485

patient.follow_ups.follow_up.2.additional_surgery_locoregional_procedure:
  no  yes NA's
 15   7 494

patient.follow_ups.follow_up.2.additional_surgery_metastatic_procedure:
  no  yes NA's
 13   1 502

patient.follow_ups.follow_up.2.day_of_form_completion:
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.    NA's
  2.00  14.00   20.00   19.44  26.00   31.00   404

```


patient.follow_ups.follow_up.2.days_to_additional_surgery_locoregional_procedure:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 286 541 826 1346 2070 3091 509

patient.follow_ups.follow_up.2.days_to_additional_surgery_metastatic_procedure:
 1191 NA's
 1 515

patient.follow_ups.follow_up.2.days_to_death:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 492.0 784.8 1113.0 1579.6 1565.0 4695.0 494

patient.follow_ups.follow_up.2.days_to_last_followup:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 8.0 634.5 1042.5 1142.5 1400.0 3574.0 430

patient.follow_ups.follow_up.2.days_to_new_tumor_event_after_initial_treatment:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 218.0 480.5 739.5 1027.7 1111.0 3071.0 488

patient.follow_ups.follow_up.2.days_to_performance_status_follow_up_score:
 235 405 1099 NA's
 1 1 1 513

patient.follow_ups.follow_up.2.eastern_cancer_oncology_group:
 1 NA's
 1 515

patient.follow_ups.follow_up.2.followup_case_report_form_submission_reason:
 additional new tumor event scheduled follow-up submission
 19 79
 NA's
 418

patient.follow_ups.follow_up.2.followup_treatment_success:
 complete remission/response partial remission/response
 14 4
 progressive disease stable disease
 26 41
 NA's
 431

patient.follow_ups.follow_up.2.karnofsky_performance_score:
 50 80 NA's
 1 1 514

patient.follow_ups.follow_up.2.lost_follow_up:
 no yes NA's
 91 15 410

patient.follow_ups.follow_up.2.month_of_form_completion:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's

1.000 3.000 5.000 5.455 9.000 12.000 404

patient.follow_ups.follow_up.2.new_tumor_event_after_initial_treatment:
 no yes NA's
 58 28 430

patient.follow_ups.follow_up.2.performance_status_scale_timing:
 adjuvant therapy post-adjuvant therapy NA's
 1 2 513

patient.follow_ups.follow_up.2.person_neoplasm_cancer_status:
 tumor free with tumor NA's
 18 71 427

patient.follow_ups.follow_up.2.primary_therapy_outcome_success:
 complete remission/response partial remission/response
 23 18
 progressive disease stable disease
 24 32
 NA's
 419

patient.follow_ups.follow_up.2.radiation_therapy:
 no yes NA's
 37 58 421

patient.follow_ups.follow_up.2.targeted_molecular_therapy:
 no yes NA's
 36 59 421

patient.follow_ups.follow_up.2.vital_status:
 alive dead NA's
 85 23 408

patient.follow_ups.follow_up.2.year_of_form_completion:
 2012 2013 2014 2015 NA's
 8 15 38 51 404

patient.follow_ups.follow_up.3.additional_pharmaceutical_therapy:
 no yes NA's
 1 9 506

patient.follow_ups.follow_up.3.additional_radiation_therapy:
 no yes NA's
 9 2 505

patient.follow_ups.follow_up.3.additional_surgery_locoregional_procedure:
 no NA's
 9 507

patient.follow_ups.follow_up.3.additional_surgery_metastatic_procedure:
 no NA's

7 509

patient.follow_ups.follow_up.3.day_of_form_completion:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 4.00 15.00 21.00 20.28 24.00 31.00 491

patient.follow_ups.follow_up.3.days_to_death:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 886 987 1209 2121 2835 4445 507

patient.follow_ups.follow_up.3.days_to_last_followup:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 62 704 1217 1176 1472 3236 501

patient.follow_ups.follow_up.3.days_to_new_tumor_event_after_initial_treatment:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 218.0 785.0 918.5 1218.4 1394.8 2789.0 504

patient.follow_ups.follow_up.3.followup_case_report_form_submission_reason:
 additional new tumor event scheduled follow-up submission
 9 16
 NA's
 491

patient.follow_ups.follow_up.3.followup_treatment_success:
 complete remission/response partial remission/response
 1 1
 progressive disease stable disease
 11 7
 NA's
 496

patient.follow_ups.follow_up.3.lost_follow_up:
 no yes NA's
 20 5 491

patient.follow_ups.follow_up.3.month_of_form_completion:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 3.00 3.00 5.00 5.56 8.00 12.00 491

patient.follow_ups.follow_up.3.new_tumor_event_after_initial_treatment:
 no yes NA's
 10 12 494

patient.follow_ups.follow_up.3.person_neoplasm_cancer_status:
 tumor free with tumor NA's
 2 22 492

patient.follow_ups.follow_up.3.primary_therapy_outcome_success:
 complete remission/response partial remission/response

	2	4
progressive disease		stable disease
	11	8
NA's		
	491	

patient.follow_ups.follow_up.3.radiation_therapy:

no	yes	NA's
8	17	491

patient.follow_ups.follow_up.3.targeted_molecular_therapy:

no	yes	NA's
8	17	491

patient.follow_ups.follow_up.3.vital_status:

alive	dead	NA's
15	9	492

patient.follow_ups.follow_up.3.year_of_form_completion:

2013	2014	2015	NA's
5	10	10	491

patient.follow_ups.follow_up.4.additional_pharmaceutical_therapy:

no	yes	NA's
1	7	508

patient.follow_ups.follow_up.4.additional_radiation_therapy:

no	yes	NA's
7	1	508

patient.follow_ups.follow_up.4.additional_surgery_locoregional_procedure:

no	yes	NA's
6	1	509

patient.follow_ups.follow_up.4.additional_surgery_metastatic_procedure:

no	NA's
5	511

patient.follow_ups.follow_up.4.day_of_form_completion:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
2.00	14.25	15.00	17.36	24.75	31.00	502

patient.follow_ups.follow_up.4.days_to_additional_surgery_locoregional_procedure:

984	NA's
1	515

patient.follow_ups.follow_up.4.days_to_death:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
819.0	911.2	1911.0	2397.3	4017.8	4445.0	510

patient.follow_ups.follow_up.4.days_to_last_followup:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 623 1285 1356 1935 2231 4113 508

patient.follow_ups.follow_up.4.days_to_new_tumor_event_after_initial_treatment:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 783.0 906.8 1200.5 1433.8 1424.2 3500.0 508

patient.follow_ups.follow_up.4.followup_case_report_form_submission_reason:
 additional new tumor event scheduled follow-up submission
 7 7
 NA's
 502

patient.follow_ups.follow_up.4.followup_treatment_success:
 progressive disease stable disease NA's
 6 4 506

patient.follow_ups.follow_up.4.lost_follow_up:
 no NA's
 14 502

patient.follow_ups.follow_up.4.month_of_form_completion:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 3.000 6.000 8.000 7.143 8.000 12.000 502

patient.follow_ups.follow_up.4.new_tumor_event_after_initial_treatment:
 no yes NA's
 3 8 505

patient.follow_ups.follow_up.4.person_neoplasm_cancer_status:
 tumor free with tumor NA's
 1 12 503

patient.follow_ups.follow_up.4.primary_therapy_outcome_success:
 complete remission/response partial remission/response
 2 2
 progressive disease stable disease
 5 5
 NA's
 502

patient.follow_ups.follow_up.4.radiation_therapy:
 no yes NA's
 6 8 502

patient.follow_ups.follow_up.4.targeted_molecular_therapy:
 no yes NA's
 5 9 502

patient.follow_ups.follow_up.4.vital_status:
 alive dead NA's

8 6 502

patient.follow_ups.follow_up.4.year_of_form_completion:

2013 2014 2015 NA's
1 8 5 502

patient.follow_ups.follow_up.5.additional_pharmaceutical_therapy:

no yes NA's
2 3 511

patient.follow_ups.follow_up.5.additional_radiation_therapy:

no NA's
5 511

patient.follow_ups.follow_up.5.additional_surgery_locoregional_procedure:

no NA's
5 511

patient.follow_ups.follow_up.5.additional_surgery_metastatic_procedure:

no NA's
4 512

patient.follow_ups.follow_up.5.day_of_form_completion:

4 14 15 18 NA's
1 1 2 1 511

patient.follow_ups.follow_up.5.days_to_death:

886 987 4412 4445 NA's
1 1 1 1 512

patient.follow_ups.follow_up.5.days_to_last_followup:

1329 NA's
1 515

patient.follow_ups.follow_up.5.days_to_new_tumor_event_after_initial_treatment:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
846	948	1195	2123	3485	4143	511

patient.follow_ups.follow_up.5.followup_case_report_form_submission_reason:

additional	new	tumor	event	NA's
5				511

patient.follow_ups.follow_up.5.followup_treatment_success:

progressive	disease	NA's
5		511

patient.follow_ups.follow_up.5.lost_follow_up:

no NA's
5 511

patient.follow_ups.follow_up.5.month_of_form_completion:

8 12 NA's
4 1 511

patient.follow_ups.follow_up.5.new_tumor_event_after_initial_treatment:

yes NA's
5 511

patient.follow_ups.follow_up.5.person_neoplasm_cancer_status:

with tumor NA's
5 511

patient.follow_ups.follow_up.5.primary_therapy_outcome_success:

progressive disease stable disease NA's
3 2 511

patient.follow_ups.follow_up.5.radiation_therapy:

no yes NA's
1 4 511

patient.follow_ups.follow_up.5.targeted_molecular_therapy:

no yes NA's
1 4 511

patient.follow_ups.follow_up.5.vital_status:

alive dead NA's
1 4 511

patient.follow_ups.follow_up.5.year_of_form_completion:

2013 2014 NA's
1 4 511

patient.follow_ups.follow_up.6.additional_pharmaceutical_therapy:

yes NA's
3 513

patient.follow_ups.follow_up.6.additional_radiation_therapy:

no NA's
3 513

patient.follow_ups.follow_up.6.additional_surgery_locoregional_procedure:

no NA's
3 513

patient.follow_ups.follow_up.6.additional_surgery_metastatic_procedure:

no NA's
2 514

patient.follow_ups.follow_up.6.bcr_followup_barcode:

tcga-e1-a7yy-f61637 tcga-e1-a7z4-f61757 tcga-fg-a711-f65436 NA's
1 1 1 513

```

patient.follow_ups.follow_up.6.bcr_followup_uuid:
3504aefd-39ba-4f92-aed7-227c3617d0a9 f3e1f0e6-5629-44e0-b482-993e9174a344
                                1                                1
fef02454-9aa5-4331-9677-685208daeb8d                                NA's
                                1                                513

patient.follow_ups.follow_up.6.day_of_form_completion:
 15  18  23 NA's
  1   1   1 513

patient.follow_ups.follow_up.6.days_to_death:
1481 4412 4445 NA's
  1   1   1 513

patient.follow_ups.follow_up.6.days_to_new_tumor_event_after_initial_treatment:
1277 4047 4266 NA's
  1   1   1 513

patient.follow_ups.follow_up.6.followup_case_report_form_submission_reason:
  additional new tumor event scheduled follow-up submission
                                2                                1
                                NA's
                                513

patient.follow_ups.follow_up.6.followup_treatment_success:
progressive disease                                NA's
                                3                                513

patient.follow_ups.follow_up.6.lost_follow_up:
no NA's
  3  513

patient.follow_ups.follow_up.6.month_of_form_completion:
  8   9 NA's
  2   1 513

patient.follow_ups.follow_up.6.new_tumor_event_after_initial_treatment:
yes NA's
  3  513

patient.follow_ups.follow_up.6.person_neoplasm_cancer_status:
with tumor                                NA's
  3                                513

patient.follow_ups.follow_up.6.primary_therapy_outcome_success:
progressive disease    stable disease    NA's
  2                    1                513

patient.follow_ups.follow_up.6.radiation_therapy:
no yes NA's
  1  2  513

```


patient.follow_ups.follow_up.6.targeted_molecular_therapy:

no yes NA's
1 2 513

patient.follow_ups.follow_up.6.vital_status:

dead NA's
3 513

patient.follow_ups.follow_up.6.year_of_form_completion:

2014 NA's
3 513

patient.follow_ups.follow_up.7.additional_pharmaceutical_therapy:

yes NA's
1 515

patient.follow_ups.follow_up.7.additional_radiation_therapy:

yes NA's
1 515

patient.follow_ups.follow_up.7.additional_surgery_locoregional_procedure:

no NA's
1 515

patient.follow_ups.follow_up.7.additional_surgery_metastatic_procedure:

no NA's
1 515

patient.follow_ups.follow_up.7.bcr_followup_barcode:

tcga-e1-a7z4-f61760 NA's
1 515

patient.follow_ups.follow_up.7.bcr_followup_uuid:

b13971d1-089b-4932-8927-3841c5c6d801 NA's
1 515

patient.follow_ups.follow_up.7.day_of_form_completion:

18 NA's
1 515

patient.follow_ups.follow_up.7.days_to_death:

4412 NA's
1 515

patient.follow_ups.follow_up.7.days_to_new_tumor_event_after_initial_treatment:

4138 NA's
1 515

patient.follow_ups.follow_up.7.followup_case_report_form_submission_reason:

additional new tumor event NA's
1 515

patient.follow_ups.follow_up.7.followup_treatment_success:
progressive disease NA's
1 515

patient.follow_ups.follow_up.7.lost_follow_up:
no NA's
1 515

patient.follow_ups.follow_up.7.month_of_form_completion:
8 NA's
1 515

patient.follow_ups.follow_up.7.new_tumor_event_after_initial_treatment:
yes NA's
1 515

patient.follow_ups.follow_up.7.person_neoplasm_cancer_status:
with tumor NA's
1 515

patient.follow_ups.follow_up.7.primary_therapy_outcome_success:
progressive disease NA's
1 515

patient.follow_ups.follow_up.7.radiation_therapy:
yes NA's
1 515

patient.follow_ups.follow_up.7.targeted_molecular_therapy:
yes NA's
1 515

patient.follow_ups.follow_up.7.vital_status:
dead NA's
1 515

patient.follow_ups.follow_up.7.year_of_form_completion:
2014 NA's
1 515

patient.follow_ups.follow_up.8.additional_pharmaceutical_therapy:
no NA's
1 515

patient.follow_ups.follow_up.8.additional_radiation_therapy:
no NA's
1 515

patient.follow_ups.follow_up.8.additional_surgery_locoregional_procedure:
no NA's
1 515

patient.follow_ups.follow_up.8.additional_surgery_metastatic_procedure:
 no NA's
 1 515

patient.follow_ups.follow_up.8.bcr_followup_barcode:
 tcga-e1-a7z4-f61765 NA's
 1 515

patient.follow_ups.follow_up.8.bcr_followup_uuid:
 e2e2d852-98d1-4de3-b9c2-6c7e3c958a95 NA's
 1 515

patient.follow_ups.follow_up.8.day_of_form_completion:
 18 NA's
 1 515

patient.follow_ups.follow_up.8.days_to_death:
 4412 NA's
 1 515

patient.follow_ups.follow_up.8.days_to_new_tumor_event_after_initial_treatment:
 4339 NA's
 1 515

patient.follow_ups.follow_up.8.followup_case_report_form_submission_reason:
 additional new tumor event NA's
 1 515

patient.follow_ups.follow_up.8.followup_treatment_success:
 progressive disease NA's
 1 515

patient.follow_ups.follow_up.8.lost_follow_up:
 no NA's
 1 515

patient.follow_ups.follow_up.8.month_of_form_completion:
 8 NA's
 1 515

patient.follow_ups.follow_up.8.new_tumor_event_after_initial_treatment:
 yes NA's
 1 515

patient.follow_ups.follow_up.8.person_neoplasm_cancer_status:
 with tumor NA's
 1 515

patient.follow_ups.follow_up.8.primary_therapy_outcome_success:
 progressive disease NA's
 1 515

patient.follow_ups.follow_up.8.radiation_therapy:

yes NA's
1 515

patient.follow_ups.follow_up.8.targeted_molecular_therapy:

yes NA's
1 515

patient.follow_ups.follow_up.8.vital_status:

dead NA's
1 515

patient.follow_ups.follow_up.8.year_of_form_completion:

2014 NA's
1 515

patient.follow_ups.follow_up.additional_pharmaceutical_therapy:

no yes NA's
68 86 362

patient.follow_ups.follow_up.additional_radiation_therapy:

no yes NA's
102 52 362

patient.follow_ups.follow_up.additional_surgery_locoregional_procedure:

no yes NA's
65 58 393

patient.follow_ups.follow_up.additional_surgery_metastatic_procedure:

no yes NA's
68 6 442

patient.follow_ups.follow_up.day_of_form_completion:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1.00	12.00	19.00	17.49	24.00	31.00	30

patient.follow_ups.follow_up.days_to_additional_surgery_locoregional_procedure:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
77.0	381.5	864.0	1073.3	1318.8	4437.0	458

patient.follow_ups.follow_up.days_to_additional_surgery_metastatic_procedure:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
77	955	1141	1535	2552	3759	507

patient.follow_ups.follow_up.days_to_death:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
7	444	821	1332	1915	5166	423

patient.follow_ups.follow_up.days_to_last_followup:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
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-10.0 310.5 539.0 776.0 950.0 6423.0 136

patient.follow_ups.follow_up.days_to_new_tumor_event_after_initial_treatment:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
9.0	292.5	508.0	799.7	1075.0	4347.0	386

patient.follow_ups.follow_up.days_to_performance_status_follow_up_score:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
-23.0	190.0	364.0	748.0	928.2	4671.0	454

patient.follow_ups.follow_up.eastern_cancer_oncology_group:

0	1	2	4	NA's
6	9	2	1	498

patient.follow_ups.follow_up.followup_case_report_form_submission_reason:

additional	new tumor event	scheduled follow-up	submission
		34	359
		NA's	
		123	

patient.follow_ups.follow_up.followup_treatment_success:

complete remission/response	partial remission/response
87	19
progressive disease	stable disease
98	128
NA's	
184	

patient.follow_ups.follow_up.karnofsky_performance_score:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
50.00	80.00	90.00	84.92	90.00	100.00	455

patient.follow_ups.follow_up.lost_follow_up:

no	yes	NA's
271	47	198

patient.follow_ups.follow_up.month_of_form_completion:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1.000	5.000	7.000	6.979	9.000	12.000	30

patient.follow_ups.follow_up.new_tumor_event_after_initial_treatment:

no	yes	NA's
278	130	108

patient.follow_ups.follow_up.performance_status_scale_timing:

adjuvant therapy	post-adjuvant therapy	pre-adjuvant therapy
	3	35
		17
preoperative	NA's	
	6	455

patient.follow_ups.follow_up.person_neoplasm_cancer_status:

tumor free	with tumor	NA's
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	173	242	101	
--	-----	-----	-----	--

patient.follow_ups.follow_up.primary_therapy_outcome_success:

complete remission/response	118	60	
partial remission/response			
progressive disease	95	138	
NA's	105		

patient.follow_ups.follow_up.radiation_therapy:

no	yes	NA's
170	277	69

patient.follow_ups.follow_up.targeted_molecular_therapy:

no	yes	NA's
192	249	75

patient.follow_ups.follow_up.vital_status:

alive	dead	NA's
379	93	44

patient.follow_ups.follow_up.year_of_form_completion:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
2010	2012	2014	2013	2014	2015	30

patient.food_allergy_history:

no	yes	NA's
287	20	209

patient.gender:

female	male	NA's
230	285	1

patient.hay_fever_history:

no	yes	NA's
303	37	176

patient.headache_history:

no	yes	NA's
295	170	51

patient.histological_type:

astrocytoma	oligoastrocytoma	oligodendroglioma	NA's
194	130	191	1

patient.history_ionizing_rt_to_head:

no	yes	NA's
491	4	21

patient.history_of_neoadjuvant_treatment:

```

no
512
yes
1
yes, pharmaceutical treatment prior to resection
1
yes, radiation prior to resection
1
NA's
1

patient.informed_consent_verified:
yes NA's
515 1

patient.inherited_genetic_syndrome_found:
no yes NA's
235 2 279

patient.inherited_genetic_syndrome_result:
1p and 19q deleted
1
1p19q codeleted
1
1p19q deletion
1
3 x chromosomes (super female) osler-weber-rendu syndrome
1
NA's
512

patient.karnofsky_performance_score:
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
40.00 80.00 90.00 87.47 100.00 100.00 220

patient.laterality:
left midline right NA's
250 7 253 6

patient.ldh1_mutation_found:
no yes NA's
34 91 391

patient.ldh1_mutation_test_method:
ihc sequence analysis NA's
113 11 392

patient.ldh1_mutation_tested:
no yes NA's

```

296 127 93

patient.mental_status_changes:

no yes NA's
345 114 57

patient.mold_or_dust_allergy_history:

no yes NA's
311 17 188

patient.month_of_form_completion:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1.000	2.000	7.000	6.336	9.000	12.000	1

patient.motor_movement_changes:

no yes NA's
347 110 59

patient.neoplasm_histologic_grade:

g2 g3 NA's
249 265 2

patient.new_tumor_events.new_tumor_event.additional_pharmaceutical_therapy:

no yes NA's
23 41 452

patient.new_tumor_events.new_tumor_event.additional_radiation_therapy:

no yes NA's
39 23 454

patient.new_tumor_events.new_tumor_event.days_to_new_tumor_event_after_initial_t

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
56.0	240.0	455.0	633.3	815.0	3637.0	451

patient.new_tumor_events.new_tumor_event.locoregional_procedure.additional_surge

no yes NA's
28 33 455

patient.new_tumor_events.new_tumor_event.locoregional_procedure.days_to_addition

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
102.0	342.0	536.0	814.5	923.0	3637.0	481

patient.new_tumor_events.new_tumor_event.metastatic_procedure.additional_surgery

no yes NA's
28 2 486

patient.new_tumor_events.new_tumor_event.metastatic_procedure.days_to_additional

237 698 NA's
1 1 514

patient.new_tumor_events.new_tumor_event_after_initial_treatment:

no yes NA's

189 65 262

```

patient.performance_status_scale_timing:
      other post-adjuvant therapy  pre-adjuvant therapy
      18                          47                          91
pre-operative                      NA's
      134                          226

```

```

patient.person_neoplasm_cancer_status:
tumor free with tumor      NA's
      181      275      60

```

```

patient.preoperative_antiseizure_meds:
no  yes NA's
111 265 140

```

```

patient.preoperative_corticosteroids:
no  yes NA's
216 151 149

```

```

patient.primary_therapy_outcome_success:
complete remission/response  partial remission/response
      84                          51
progressive disease          stable disease
      39                          59
NA's
      283

```

```

patient.prior_dx:
no
500
yes
6
yes, history of prior malignancy
8
yes, history of synchronous and or bilateral malignancy
1
NA's
1

```

```

patient.race:
american indian or alaska native      asian
      1                          8
black or african american             white
      21                          475
NA's
      11

```

```

patient.radiation_therapy:
no  yes NA's
121 142 253

```

patient.radiations.radiation.2.anatomic_treatment_site:
 local recurrence primary tumor field regional site NA's
 15 14 1 486

patient.radiations.radiation.2.course_number:
 1 2 5 9 NA's
 4 8 1 1 502

patient.radiations.radiation.2.day_of_form_completion:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 3.00 8.00 19.00 16.88 26.00 31.00 484

patient.radiations.radiation.2.days_to_radiation_therapy_end:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 61.0 105.5 495.0 1058.0 1151.8 4152.0 486

patient.radiations.radiation.2.days_to_radiation_therapy_start:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 17 120 495 1032 1176 4152 485

patient.radiations.radiation.2.measure_of_response:
 radiographic progressive disease stable disease
 10 6
 NA's
 500

patient.radiations.radiation.2.month_of_form_completion:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 1.000 5.000 6.500 7.156 10.000 12.000 484

patient.radiations.radiation.2.numfractions:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 1.0 3.0 6.0 11.6 22.0 30.0 491

patient.radiations.radiation.2.radiation_dosage:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 21.0 40.8 1000.0 1824.4 3300.0 6000.0 489

patient.radiations.radiation.2.radiation_treatment_ongoing:
 no NA's
 32 484

patient.radiations.radiation.2.radiation_type:
 external external beam other: specify in notes
 18 8 5
 radioisotopes NA's
 1 484

```

patient.radiations.radiation.2.regimen_indication:
  adjuvant progression recurrence NA's
    5           8           1     502

patient.radiations.radiation.2.units:
  cgy  gy NA's
    21  10 485

patient.radiations.radiation.2.year_of_form_completion:
  Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
    2011 2011 2012 2012 2014 2015 484

patient.radiations.radiation.3.anatomic_treatment_site:
  local recurrence primary tumor field NA's
    1           1           1           514

patient.radiations.radiation.3.bcr_radiation_barcode:
  tcga-du-6396-r14925 tcga-du-6404-r14793 NA's
    1           1           514

patient.radiations.radiation.3.bcr_radiation_uuid:
  0b042829-6f75-49c5-8299-9af5359f0b21 1a641820-2360-4cea-8752-d87697c36cf1
    1                                     1
    NA's
    514

patient.radiations.radiation.3.course_number:
  1 7 NA's
  1 1 514

patient.radiations.radiation.3.day_of_form_completion:
  27 31 NA's
  1 1 514

patient.radiations.radiation.3.days_to_radiation_therapy_end:
  25 3219 NA's
  1 1 514

patient.radiations.radiation.3.days_to_radiation_therapy_start:
  25 3206 NA's
  1 1 514

patient.radiations.radiation.3.month_of_form_completion:
  5 7 NA's
  1 1 514

patient.radiations.radiation.3.numfractions:
  1 6 NA's
  1 1 514

patient.radiations.radiation.3.radiation_dosage:
  800 3600 NA's

```

1 1 514

patient.radiations.radiation.3.radiation_treatment_ongoing:

no NA's

2 514

patient.radiations.radiation.3.radiation_type:

other: specify in notes NA's

2 514

patient.radiations.radiation.3.radiation_type_notes:

fractionated stereotactic radiotherapy stereo radiosurgery

1 1

NA's

514

patient.radiations.radiation.3.regimen_indication:

adjuvant progression NA's

1 1 514

patient.radiations.radiation.3.units:

cgY NA's

2 514

patient.radiations.radiation.3.year_of_form_completion:

2011 NA's

2 514

patient.radiations.radiation.4.anatomic_treatment_site:

local recurrence NA's

1 515

patient.radiations.radiation.4.bcr_radiation_barcode:

tcga-du-6396-r14927 NA's

1 515

patient.radiations.radiation.4.bcr_radiation_uuid:

157246a0-ed8-49ca-9759-47f82191a245 NA's

1 515

patient.radiations.radiation.4.course_number:

3 NA's

1 515

patient.radiations.radiation.4.day_of_form_completion:

27 NA's

1 515

patient.radiations.radiation.4.days_to_radiation_therapy_end:

1825 NA's

1 515

patient.radiations.radiation.4.days_to_radiation_therapy_start:

1825 NA's

1 515

patient.radiations.radiation.4.month_of_form_completion:

7 NA's

1 515

patient.radiations.radiation.4.numfractions:

1 NA's

1 515

patient.radiations.radiation.4.radiation_dosage:

1800 NA's

1 515

patient.radiations.radiation.4.radiation_treatment_ongoing:

no NA's

1 515

patient.radiations.radiation.4.radiation_type:

other: specify in notes NA's

1 515

patient.radiations.radiation.4.radiation_type_notes:

stereotactic radiosurgery NA's

1 515

patient.radiations.radiation.4.regimen_indication:

progression NA's

1 515

patient.radiations.radiation.4.units:

cgy NA's

1 515

patient.radiations.radiation.4.year_of_form_completion:

2011 NA's

1 515

patient.radiations.radiation.5.anatomic_treatment_site:

local recurrence NA's

1 515

patient.radiations.radiation.5.bcr_radiation_barcode:

tcga-du-6396-r14928 NA's

1 515

patient.radiations.radiation.5.bcr_radiation_uuid:

8592a4cc-06e6-4aea-812e-eca28b8e8bfd

1

NA's

515

patient.radiations.radiation.5.course_number:

4 NA's
1 515

patient.radiations.radiation.5.day_of_form_completion:

27 NA's
1 515

patient.radiations.radiation.5.days_to_radiation_therapy_end:

2097 NA's
1 515

patient.radiations.radiation.5.days_to_radiation_therapy_start:

2066 NA's
1 515

patient.radiations.radiation.5.month_of_form_completion:

7 NA's
1 515

patient.radiations.radiation.5.radiation_dosage:

5600 NA's
1 515

patient.radiations.radiation.5.radiation_treatment_ongoing:

no NA's
1 515

patient.radiations.radiation.5.radiation_type:

other: specify in notes NA's
1 515

patient.radiations.radiation.5.radiation_type_notes:

intensity modulated radio therapy NA's
1 515

patient.radiations.radiation.5.regimen_indication:

progression NA's
1 515

patient.radiations.radiation.5.units:

cgy NA's
1 515

patient.radiations.radiation.5.year_of_form_completion:

2011 NA's
1 515

patient.radiations.radiation.anatomic_treatment_site:

local recurrence	primary tumor	field	regional	site	NA's
8		278		6	224

patient.radiations.radiation.regimen_indication:
 adjuvant progression recurrence NA's
 108 14 1 393

patient.radiations.radiation.units:
 cgy gy NA's
 203 89 224

patient.radiations.radiation.year_of_form_completion:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 2009 2011 2013 2012 2014 2015 207

patient.seizure_history:
 no yes NA's
 177 303 36

patient.sensory_changes:
 no yes NA's
 382 72 62

patient.supratentorial_localization:
 cerebral cortex deep gray (e.g.basal ganglia, thalamus) 3
 142
 not listed in medical record white matter 119
 222
 NA's
 30

patient.targeted_molecular_therapy:
 no yes NA's
 126 138 252

patient.tissue_prospective_collection_indicator:
 no yes NA's
 331 175 10

patient.tissue_retrospective_collection_indicator:
 no yes NA's
 176 330 10

patient.tumor_tissue_site:
 central nervous system NA's
 515 1

patient.visual_changes:
 no yes NA's
 393 65 58

patient.vital_status:

alive	dead	NA's
423	92	1

patient.year_of_form_completion:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
2009	2012	2013	2013	2013	2015	1

patient.year_of_initial_pathologic_diagnosis:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1992	2008	2011	2009	2012	2013	1

patient.bcr_canonical_check.bcr_patient_canonical_reasons.bcr_canonical_reason:

case matched methylation control	
	1
primary tumor and additional primary tumor(s)	9
primary tumor and recurrent tumor(s)	5
	NA's
	501

patient.bcr_canonical_check.bcr_patient_canonical_status:

canonical	canonical - plus	NA's
500	15	1

patient.biospecimen_cqcf.consent_or_death_status:

consented	deceased	exemption	4	NA's
435	72	8		1

patient.biospecimen_cqcf.days_to_pathology_review:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
-13.0	56.0	260.0	881.9	1106.0	6432.0	15

patient.biospecimen_cqcf.days_to_sample_procurement:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
-118.00	0.00	0.00	18.89	0.00	2737.00	8

patient.biospecimen_cqcf.digital_image_submitted:

no	yes	NA's
415	12	89

patient.biospecimen_cqcf.ethnicity:

hispanic or latino	not hispanic or latino	NA's
20	236	260

patient.biospecimen_cqcf.frozen_specimen_anatomic_site:

brain; supratentorial	popliteal fossa	spinal cord
454	3	1
unknown	NA's	
57	1	

```

patient.biospecimen_cqcf.histological_type:
  astrocytoma  oligoastrocytoma  oligodendroglioma  NA's
          193          132          190          1

patient.biospecimen_cqcf.history_of_neoadjuvant_treatment:
  no 512
yes, pharmaceutical treatment prior to resection 2
  yes, radiation prior to resection 1
  NA's 1

patient.biospecimen_cqcf.method_of_sample_procurement:
  biopsy only gross total resection subtotal resection
          8          306          190
  NA's
  12

patient.biospecimen_cqcf.normal_controls.normal_control.2.days_to_normal_sample_
-12 0 NA's
  1 4 511

patient.biospecimen_cqcf.normal_controls.normal_control.2.extracted_dna.ncedna_d
0.177 NA's
  1 515

patient.biospecimen_cqcf.normal_controls.normal_control.2.extracted_dna.ncedna_d
stratagene kit #200600 NA's
          1          515

patient.biospecimen_cqcf.normal_controls.normal_control.2.extracted_dna.ncedna_d
20 NA's
  1 515

patient.biospecimen_cqcf.normal_controls.normal_control.2.extracted_dna.ncedna_d
113 NA's
  1 515

patient.biospecimen_cqcf.normal_controls.normal_control.2.method_of_normal_sampl
blood draw NA's
          5          511

patient.biospecimen_cqcf.normal_controls.normal_control.2.vial_number:
  1 2 NA's
  6 11 499

patient.biospecimen_cqcf.normal_controls.normal_control.3.bcr_sample_uuid:
1bcdbb2e-a25b-4380-947d-1380c8ae73e3 NA's
          1          515

```

```

patient.biospecimen_cqcf.normal_controls.normal_control.3.days_to_normal_sample_
138 NA's
  1 515

patient.biospecimen_cqcf.normal_controls.normal_control.3.method_of_normal_sampl
blood draw      NA's
  1          515

patient.biospecimen_cqcf.normal_controls.normal_control.3.vial_number:
  1 NA's
  1 515

patient.biospecimen_cqcf.normal_controls.normal_control.4.bcr_sample_uuid:
a3c2d018-d116-46c9-af7a-20681e11d0c2      NA's
  1                                          515

patient.biospecimen_cqcf.normal_controls.normal_control.4.days_to_normal_sample_
138 NA's
  1 515

patient.biospecimen_cqcf.normal_controls.normal_control.4.method_of_normal_sampl
blood draw      NA's
  1          515

patient.biospecimen_cqcf.normal_controls.normal_control.4.vial_number:
  2 NA's
  1 515

patient.biospecimen_cqcf.normal_controls.normal_control.days_to_normal_sample_pr
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.    NA's
-31.00  0.00    0.00   87.97  1.25 3637.00    12

patient.biospecimen_cqcf.normal_controls.normal_control.extracted_dna.ncedna_dna
  Min.  1st Qu.  Median    Mean  3rd Qu.    Max.    NA's
 0.0231  0.2165   0.3842   62.9864   0.8295 1851.3000    246

patient.biospecimen_cqcf.normal_controls.normal_control.extracted_dna.ncedna_dna
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.    NA's
  0.15  20.00   20.00   29.50  25.00  150.00    246

patient.biospecimen_cqcf.normal_controls.normal_control.extracted_dna.ncedna_dna
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.    NA's
 12.15  44.00   74.00  144.33  125.00 1000.00    247

patient.biospecimen_cqcf.normal_controls.normal_control.method_of_normal_sample_
blood draw  mouthwash      NA's
  509          2          5

patient.biospecimen_cqcf.normal_controls.normal_control.vial_number:

```

1	2	NA's
507	4	5

patient.biospecimen_cqcf.path_confirm_diagnosis_matching:

no	yes	NA's
6	509	1

patient.biospecimen_cqcf.path_confirm_report_attached:

no	yes	NA's
3	512	1

patient.biospecimen_cqcf.path_confirm_tumor_necrosis_metrics:

yes	NA's
515	1

patient.biospecimen_cqcf.path_confirm_tumor_nuclei_metrics:

yes	NA's
515	1

patient.biospecimen_cqcf.race:

american indian or alaska native	1	asian	7
black or african american	11	white	259
NA's	238		

patient.biospecimen_cqcf.reason_path_confirm_diagnosis_not_matching:
 pathology review of frozen section for tcga determined histological subtype diff

patient.biospecimen_cqcf.sample_prescreened:

no	yes	NA's
2	513	1

patient.biospecimen_cqcf.site_of_disease:

brain spinal cord	1	NA's	1
514			

patient.biospecimen_cqcf.site_of_disease_description:

posterior fossa	supratentorial	NA's
3	454	59

patient.biospecimen_cqcf.submitted_for_lce:

no	yes	NA's
227	17	272

patient.biospecimen_cqcf.top_slide_submitted:

no	yes	NA's
----	-----	------

9 418 89

patient.biospecimen_cqcf.tumor_samples.tumor_sample.2.tumor_necrosis_percent:

0 10 20 NA's
30 1 1 484

patient.biospecimen_cqcf.tumor_samples.tumor_sample.2.tumor_nuclei_percent:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
30.00	68.75	85.00	80.31	96.25	100.00	484

patient.biospecimen_cqcf.tumor_samples.tumor_sample.2.tumor_weight:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
45.0	125.0	250.0	233.7	300.0	641.0	485

patient.biospecimen_cqcf.tumor_samples.tumor_sample.2.vial_number:

1 2 NA's
25 7 484

patient.biospecimen_cqcf.tumor_samples.tumor_sample.3.tumor_necrosis_percent:

0 NA's
6 510

patient.biospecimen_cqcf.tumor_samples.tumor_sample.3.tumor_nuclei_percent:

40	60	90	100	NA's
1	1	2	2	510

patient.biospecimen_cqcf.tumor_samples.tumor_sample.3.tumor_weight:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
41.0	104.2	157.5	160.8	206.2	300.0	510

patient.biospecimen_cqcf.tumor_samples.tumor_sample.3.vial_number:

1 3 NA's
5 1 510

patient.biospecimen_cqcf.tumor_samples.tumor_sample.4.bcr_sample_uuid:

f89b3845-3d22-4d43-85b9-de584271045c fb8ee996-d991-43d2-87db-fc23d153a3dc

1	1
NA's	
514	

patient.biospecimen_cqcf.tumor_samples.tumor_sample.4.tumor_necrosis_percent:

0 NA's
2 514

patient.biospecimen_cqcf.tumor_samples.tumor_sample.4.tumor_nuclei_percent:

60	100	NA's
1	1	514

patient.biospecimen_cqcf.tumor_samples.tumor_sample.4.tumor_weight:

56 160 NA's

1 1 514

patient.biospecimen_cqcf.tumor_samples.tumor_sample.4.vial_number:

1 2 NA's

1 1 514

patient.biospecimen_cqcf.tumor_samples.tumor_sample.tumor_necrosis_percent:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0.0000	0.0000	0.0000	0.9105	0.0000	30.0000	2

patient.biospecimen_cqcf.tumor_samples.tumor_sample.tumor_nuclei_percent:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
20.00	61.00	75.00	75.69	90.00	100.00	2

patient.biospecimen_cqcf.tumor_samples.tumor_sample.tumor_weight:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
30.0	150.8	245.0	329.8	400.0	2300.0	12

patient.biospecimen_cqcf.tumor_samples.tumor_sample.vial_number:

1 NA's

514 2

patient.days_to_index:

0 NA's

515 1

patient.samples.sample.2.bcr_biospecimen_canonical_reasons.bcr_canonical_reason:

primary tumor and additional primary tumor(s)

9

primary tumor and recurrent tumor(s)

5

NA's

502

patient.samples.sample.2.days_to_collection:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1.0	115.8	397.5	937.9	1113.0	7912.0	218

patient.samples.sample.2.initial_weight:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
50.0	162.5	200.0	227.9	272.5	430.0	502

patient.samples.sample.2.is_ffpe:

no NA's

515 1

patient.samples.sample.2.oct_embedded:

```

false true NA's
  295   3  218

```

```

patient.samples.sample.2.portions.portion.analytes.analyte.2.a260_a280_ratio:
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.   NA's
  1.810  1.823  1.840  1.869  1.885  2.130   502

```

```

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.2.
  Min.  1st Qu.  Median    Mean  3rd Qu.    Max.   NA's
132275835 151537770 164053773 155571819 164053802 164081923   502

```

```

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.2.
  7  13 NA's
 10  4  502

```

```

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.2.
0.15 0.16 0.17 0.18 NA's
  2  4  4  4  502

```

```

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.2.
  8  24  25  29 NA's
  3  1  1  9  502

```

```

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.2.
no NA's
 14  502

```

```

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.2.
  1  5  7  9 NA's
  9  3  1  1  502

```

```

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.2.
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.   NA's
  4.000  5.000  8.000  7.071  9.000  9.000   502

```

```

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.2.
a29v a31r a32q a36h NA's
  3  1  1  9  502

```

```

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.2.
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.   NA's
  1.950  2.080  2.210  2.513  2.835  3.600   502

```

```

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.2.
 23 NA's
  14  502

```

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.2.
 13 20 NA's
 10 4 502

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.2.
 2013 2014 NA's
 5 9 502

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.3.
 tcga-tm-a7cf-02a-11r-a360-13 NA's
 1 515

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.3.
 28819779-d108-4c2f-ba54-eecc2d40968e NA's
 1 515

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.3.
 164082174 NA's
 1 515

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.3.
 13 NA's
 1 515

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.3.
 0.17 NA's
 1 515

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.3.
 29 NA's
 1 515

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.3.
 no NA's
 1 515

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.3.
 1 NA's
 1 515

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.3.
 7 NA's
 1 515

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.3.
 a360 NA's
 1 515

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.3.
 f NA's
 1 515

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.3.
 3.96 NA's
 1 515

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.3.
 23 NA's
 1 515

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.3.
 23.3 NA's
 1 515

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.3.
 2014 NA's
 1 515

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.bi

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1.070e+08	1.323e+08	1.603e+08	2.717e+08	1.678e+08	1.062e+09	5

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.ce

7	8	13 NA's
4	497	10 5

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.co

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0.1500	0.5000	0.5000	0.4909	0.5000	0.5000	5

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.da

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
8.00	8.00	19.00	16.88	24.00	30.00	5

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.is
 no NA's
 511 5

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.mo

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1.000	5.000	7.000	5.521	7.000	11.000	5

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.pl

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1.000	4.000	7.000	6.303	8.500	12.000	5

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.qu

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1.95	40.00	40.00	38.99	40.00	40.00	5

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.sc
 22 23 NA's
 170 341 5

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.vo
 13 20 80 NA's
 4 10 497 5

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.ye
 2011 2012 2013 2014 NA's
 111 59 128 213 5

patient.samples.sample.2.portions.portion.analytes.analyte.2.amount:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 7.8 160.0 181.0 167.5 194.0 238.0 332

patient.samples.sample.2.portions.portion.analytes.analyte.2.analyte_type:
 repli-g (qiagen) dna rna NA's
 497 14 5

patient.samples.sample.2.portions.portion.analytes.analyte.2.analyte_type_id:
 r w NA's
 14 497 5

patient.samples.sample.2.portions.portion.analytes.analyte.2.concentration:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 0.1500 0.5000 0.5000 0.4747 0.5000 0.5000 332

patient.samples.sample.2.portions.portion.analytes.analyte.2.dna.normal_tumor_ge
 yes NA's
 497 19

patient.samples.sample.2.portions.portion.analytes.analyte.2.dna.pcr_amplificati
 no yes NA's
 170 327 19

patient.samples.sample.2.portions.portion.analytes.analyte.2.gel_image_file:
<https://sharedoc.nchri.org/tcga-bcr/default.aspx>
 511
 NA's
 5

patient.samples.sample.2.portions.portion.analytes.analyte.2.is_derived_from_ffp
 no NA's
 511 5

patient.samples.sample.2.portions.portion.analytes.analyte.2.protocols.protocol.
 mirvana (allprep dna) rna repli-g repli-g x
 14 457 40
 NA's

5

```

patient.samples.sample.2.portions.portion.analytes.analyte.2.rna.ratio_28s_18s:
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.   NA's
  0.920  1.272  1.360  1.426  1.597  1.930  502

patient.samples.sample.2.portions.portion.analytes.analyte.2.rna.rinvalue:
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.   NA's
  7.100  7.250  7.650  7.829  8.075  9.100  502

patient.samples.sample.2.portions.portion.analytes.analyte.2.spectrophotometer_m
picogreen  uv spec      NA's
      119          65      332

patient.samples.sample.2.portions.portion.analytes.analyte.2.subportion_sequence
  1    2 NA's
  9    5 502

patient.samples.sample.2.portions.portion.analytes.analyte.3.aliquots.aliquot.bi
  Min.  1st Qu.  Median    Mean  3rd Qu.    Max.    NA's
153887521 156436595 167804376 163562399 167804429 167804438    502

patient.samples.sample.2.portions.portion.analytes.analyte.3.aliquots.aliquot.ce
  8 NA's
 14 502

patient.samples.sample.2.portions.portion.analytes.analyte.3.aliquots.aliquot.co
  0.5 NA's
 14 502

patient.samples.sample.2.portions.portion.analytes.analyte.3.aliquots.aliquot.da
  8 21 24 29 NA's
  9  1  3  1 502

patient.samples.sample.2.portions.portion.analytes.analyte.3.aliquots.aliquot.is
  no NA's
 14 502

patient.samples.sample.2.portions.portion.analytes.analyte.3.aliquots.aliquot.mo
  1  7 10 NA's
  1 12  1 502

patient.samples.sample.2.portions.portion.analytes.analyte.3.aliquots.aliquot.pl
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.   NA's
  1.000  5.250 10.500  8.357 11.000 12.000  502

patient.samples.sample.2.portions.portion.analytes.analyte.3.aliquots.aliquot.pl
a31c a333 a35v a44b NA's
  3  1  1  9 502

```

```

patient.samples.sample.2.portions.portion.analytes.analyte.3.aliquots.aliquot.qu
  40 NA's
  14 502

patient.samples.sample.2.portions.portion.analytes.analyte.3.aliquots.aliquot.so
  23 NA's
  14 502

patient.samples.sample.2.portions.portion.analytes.analyte.3.aliquots.aliquot.vo
  80 NA's
  14 502

patient.samples.sample.2.portions.portion.analytes.analyte.3.aliquots.aliquot.ye
2013 2014 NA's
  4 10 502

patient.samples.sample.2.portions.portion.analytes.analyte.3.analyte_type:
repli-g (qiagen) dna NA's
                   14 502

patient.samples.sample.2.portions.portion.analytes.analyte.3.analyte_type_id:
  w NA's
  14 502

patient.samples.sample.2.portions.portion.analytes.analyte.3.dna.normal_tumor_ge
yes NA's
  14 502

patient.samples.sample.2.portions.portion.analytes.analyte.3.dna.pcr_amplificati
yes NA's
  14 502

patient.samples.sample.2.portions.portion.analytes.analyte.3.gel_image_file:
https://sharedoc.nchri.org/tcga-bcr/default.aspx
                   14
                   NA's
                   502

patient.samples.sample.2.portions.portion.analytes.analyte.3.is_derived_from_ffp
no NA's
  14 502

patient.samples.sample.2.portions.portion.analytes.analyte.3.protocols.protocol.
repli-g NA's
  14 502

patient.samples.sample.2.portions.portion.analytes.analyte.3.subportion_sequence
  1 2 NA's
  9 5 502

```

patient.samples.sample.2.portions.portion.analytes.analyte.a260_a280_ratio:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 1.700 1.900 1.900 1.891 1.900 2.600 441

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.2.bi
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 1.087e+08 1.456e+08 1.604e+08 3.814e+08 1.050e+09 1.076e+09 1

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.2.ce
 1 8 NA's
 115 400 1

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.2.co
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 0.05000 0.07000 0.08000 0.08786 0.09000 0.17000 1

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.2.da
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 8.00 19.00 25.00 22.22 26.00 30.00 1

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.2.is
 no NA's
 515 1

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.2.mo
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 1.000 4.000 9.000 7.353 10.000 12.000 1

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.2.pl
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 1.000 3.000 6.000 5.635 8.000 12.000 1

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.2.qu
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 0.870 2.800 3.000 2.608 3.200 3.600 1

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.2.so
 22 23 NA's
 214 301 1

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.2.vo
 6.67 6.7 40 60 NA's
 106 9 292 108 1

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.2.ye
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 2010 2011 2013 2012 2013 2014 1

```

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.3.bi
  Min. 1st Qu.  Median      Mean 3rd Qu.  Max.    NA's
1.087e+08 1.508e+08 1.678e+08 4.857e+08 1.050e+09 1.062e+09    289

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.3.ce
  1   2   5   8 NA's
26  8   5 188 289

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.3.co
  Min. 1st Qu.  Median      Mean 3rd Qu.  Max.    NA's
0.05000 0.05000 0.07000 0.07762 0.08000 0.17000    289

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.3.da
  Min. 1st Qu.  Median      Mean 3rd Qu.  Max.    NA's
  3.0   15.0   26.0   22.3   30.0   30.0   289

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.3.is
no NA's
227 289

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.3.mo
  Min. 1st Qu.  Median      Mean 3rd Qu.  Max.    NA's
 1.000   4.000   7.000   6.974 10.000 12.000    289

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.3.pl
  Min. 1st Qu.  Median      Mean 3rd Qu.  Max.    NA's
 1.000   4.000   6.000   6.185   8.000 12.000    289

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.3.qu
  Min. 1st Qu.  Median      Mean 3rd Qu.  Max.    NA's
 0.940   1.070   2.000   1.966   3.000   3.600    289

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.3.so
  22  23 NA's
114 113 289

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.3.vo
  Min. 1st Qu.  Median      Mean 3rd Qu.  Max.    NA's
  6.70  13.40  40.00  32.81  60.00  60.00    289

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.3.ye
2010 2011 2013 2014 NA's
  30   84   29   84 289

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.4.bi

```

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
108684030	164054827	167779724	163676590	167822696	167822774	449

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.4.ce

1	5	8	NA's
2	1	64	449

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.4.co

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0.0700	0.0700	0.0800	0.0864	0.0800	0.5000	449

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.4.da

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
3.00	26.00	30.00	26.45	30.00	30.00	449

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.4.is

no NA's
67 449

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.4.mo

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
2.000	2.000	4.000	3.582	4.000	10.000	449

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.4.pl

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1.00	2.00	4.00	5.03	7.00	11.00	449

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.4.qu

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0.700	0.940	1.070	1.669	1.070	40.000	449

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.4.so

22 23 NA's
1 66 449

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.4.vo

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
6.70	13.40	13.40	14.51	13.40	80.00	449

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.4.ye

2011 2013 2014 NA's
1 4 62 449

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.5.bo

tcga-db-5278-10a-01d-a43p-08	tcga-du-5874-10a-01d-a38v-08	1	1
tcga-du-7009-10a-01d-a46a-09	tcga-fg-5964-10a-01d-a290-08	1	1
	NA's		
	512		

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.5.vo
 13.4 20 NA's
 3 1 512

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.5.ye
 2013 2014 2015 NA's
 1 2 1 512

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.6.bo
 tcga-db-5278-10a-01d-a461-08 tcga-fg-5964-10a-01d-a38v-08
 1 1
 NA's
 514

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.6.bo
 089b9f49-f012-41c6-81f5-8cc77f81645d 66bad3bd-28bc-47a5-b361-9fc36300208f
 1 1
 NA's
 514

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.6.bi
 167780107 167814086 NA's
 1 1 514

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.6.ce
 8 NA's
 2 514

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.6.co
 0.07 0.08 NA's
 1 1 514

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.6.da
 7 30 NA's
 1 1 514

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.6.is
 no NA's
 2 514

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.6.mo
 4 10 NA's
 1 1 514

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.6.pl
 2 5 NA's
 1 1 514

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.6.pl
 a38v a461 NA's
 1 1 514

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.6.pl
 c e NA's
 1 1 514

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.6.qu
 0.7 1.07 NA's
 1 1 514

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.6.so
 23 NA's
 2 514

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.6.vo
 10 13.4 NA's
 1 1 514

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.6.ye
 2014 NA's
 2 514

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.7.bo
 tcga-db-5278-10a-01d-a46a-09 NA's
 1 515

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.7.bo
 1f96c9e2-e090-4324-a1de-7d9a28110f33 NA's
 1 515

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.7.bi
 167811781 NA's
 1 515

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.7.ce
 9 NA's
 1 515

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.7.co
 0.07 NA's
 1 515

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.7.da
 21 NA's
 1 515

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.7.is
 no NA's
 1 515

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.7.mo
 1 NA's
 1 515

```

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.7.pl
  1 NA's
  1 515

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.7.pl
a46a NA's
  1 515

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.7.pl
d NA's
  1 515

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.7.qu
0.94 NA's
  1 515

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.7.sc
23 NA's
  1 515

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.7.vo
13.4 NA's
  1 515

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.7.ye
2015 NA's
  1 515

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.bios
  Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
1.040e+08 1.456e+08 1.539e+08 3.274e+08 1.641e+08 1.076e+09 1

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.cent
  1 2 5 NA's
400 106 9 1

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.conc
  Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
0.1200 0.1450 0.1500 0.1526 0.1600 0.1700 1

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.day_
  Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
8.00 19.00 25.00 22.22 26.00 30.00 1

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.is_d
no NA's
515 1

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.mont

```

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1.000	4.000	9.000	7.353	10.000	12.000	1

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.plat

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1.000	3.000	5.000	5.571	8.000	12.000	1

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.quant

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0.800	1.000	1.070	1.191	1.140	2.260	1

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.source

22	23	NA's				
214	301	1				

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.volum

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
6.670	6.700	6.700	7.816	6.700	13.300	1

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.year

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
2010	2011	2013	2012	2013	2014	1

patient.samples.sample.2.portions.portion.analytes.analyte.amount:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0.00	14.09	29.01	85.25	90.35	1232.70	1

patient.samples.sample.2.portions.portion.analytes.analyte.analyte_type:

dna	NA's	
515	1	

patient.samples.sample.2.portions.portion.analytes.analyte.analyte_type_id:

d	NA's	
515	1	

patient.samples.sample.2.portions.portion.analytes.analyte.concentration:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0.1200	0.1450	0.1500	0.1526	0.1600	0.1700	1

patient.samples.sample.2.portions.portion.analytes.analyte.dna.normal_tumor_gene

yes	NA's	
515	1	

patient.samples.sample.2.portions.portion.analytes.analyte.dna.pcr_amplification

no	yes	NA's
217	298	1

patient.samples.sample.2.portions.portion.analytes.analyte.gel_image_file:

```

https://sharedoc.nchri.org/tcga-bcr/default.aspx
                    515
                    NA's
                    1

```

```

patient.samples.sample.2.portions.portion.analytes.analyte.is_derived_from_ffpe:
no NA's
515    1

```

```

patient.samples.sample.2.portions.portion.analytes.analyte.protocols.protocol.ex
adna preparation type      chemical lysis dna extraction
                        121                                116
pre-extracted dna received by tss      NA's
                        278                                1

```

```

patient.samples.sample.2.portions.portion.analytes.analyte.spectrophotometer_met
picogreen  uv spec      NA's
          440          75          1

```

```

patient.samples.sample.2.portions.portion.analytes.analyte.subportion_sequence:
1      2 NA's
9      5 502

```

```

patient.samples.sample.2.portions.portion.day_of_creation:
Min. 1st Qu.  Median    Mean 3rd Qu.    Max.    NA's
1.00  10.00   15.00   15.39  20.00   31.00     1

```

```

patient.samples.sample.2.portions.portion.is_ffpe:
no NA's
515    1

```

```

patient.samples.sample.2.portions.portion.month_of_creation:
Min. 1st Qu.  Median    Mean 3rd Qu.    Max.    NA's
1.000  4.000   8.000   7.235 10.000  12.000     1

```

```

patient.samples.sample.2.portions.portion.portion_number:
Min. 1st Qu.  Median    Mean 3rd Qu.    Max.    NA's
1.000  1.000   1.000   1.262  1.000  21.000     1

```

```

patient.samples.sample.2.portions.portion.portion_sequence:
1      2 NA's
281    3 232

```

```

patient.samples.sample.2.portions.portion.slides.slide.is_derived_from_ffpe:
no NA's
14    502

```

patient.samples.sample.2.portions.portion.slides.slide.percent_lymphocyte_infiltration:
 0 5 NA's
 13 1 502

patient.samples.sample.2.portions.portion.slides.slide.percent_monocyte_infiltration:
 0 NA's
 14 502

patient.samples.sample.2.portions.portion.slides.slide.percent_necrosis:
 0 NA's
 14 502

patient.samples.sample.2.portions.portion.slides.slide.percent_neutrophil_infiltration:
 0 NA's
 14 502

patient.samples.sample.2.portions.portion.slides.slide.percent_normal_cells:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 0.00 10.00 10.00 11.43 10.00 30.00 502

patient.samples.sample.2.portions.portion.slides.slide.percent_stromal_cells:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 0.00 12.50 27.50 31.79 45.00 65.00 502

patient.samples.sample.2.portions.portion.slides.slide.percent_tumor_cells:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 20.00 45.00 60.00 56.79 70.00 90.00 502

patient.samples.sample.2.portions.portion.slides.slide.percent_tumor_nuclei:
 70 80 85 90 NA's
 6 1 2 5 502

patient.samples.sample.2.portions.portion.slides.slide.section_location:
 top NA's
 14 502

patient.samples.sample.2.portions.portion.weight:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 2.000 2.000 2.000 6.066 2.000 80.000 395

patient.samples.sample.2.portions.portion.year_of_creation:
 2010 2011 2012 2013 NA's
 34 121 79 281 1

patient.samples.sample.2.portions.shipment_portion.center_id:
 20 NA's
 6 510

patient.samples.sample.2.portions.shipment_portion.is_ffpe:
 no NA's
 6 510

patient.samples.sample.2.portions.shipment_portion.plate_id:
a300 a44e NA's
2 4 510

patient.samples.sample.2.portions.shipment_portion.portion_number:
21 NA's
6 510

patient.samples.sample.2.portions.shipment_portion.portion_sequence:
2 NA's
3 513

patient.samples.sample.2.portions.shipment_portion.shipment_portion_day_of_shipment:
9 14 NA's
4 2 510

patient.samples.sample.2.portions.shipment_portion.shipment_portion_month_of_shipment:
5 7 NA's
2 4 510

patient.samples.sample.2.portions.shipment_portion.shipment_portion_year_of_shipment:
2013 2014 NA's
2 4 510

patient.samples.sample.2.sample_type:
blood derived normal buccal cell normal recurrent tumor
499 2 14
NA's
1

patient.samples.sample.2.sample_type_id:
2 10 12 NA's
14 499 2 1

patient.samples.sample.2.vial_number:
a b c d NA's
496 16 2 1 1

patient.samples.sample.3.bcr_biospecimen_canonical_reasons.bcr_canonical_reason:
primary tumor and additional primary tumor(s)
2
primary tumor and recurrent tumor(s)
1
NA's
513

patient.samples.sample.3.days_to_collection:
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's

```

661      1308      1453      2122      2274      4843      507

patient.samples.sample.3.diagnostic_slides.ffpe_slide_uuid:
93c15688-f5b2-40bc-85eb-ff2661e16d4e                                     NA's
                                                                    1                                     515

patient.samples.sample.3.initial_weight:
60 120 360 390 NA's
1   1   1   1  512

patient.samples.sample.3.is_ffpe:
no NA's
14 502

patient.samples.sample.3.oct_embedded:
false true NA's
8     1   507

patient.samples.sample.3.pathology_report_file_name:
tcga-du-6404.4a27aeba-b999-4f7f-b28f-ccc5ad367ba2.pdf                    1
tcga-du-6407.49baf246-ae0a-4627-af91-35932d00f105.pdf                 1
tcga-fg-5965.dd2349dd-e128-4c2d-962b-f8644121fb16.pdf                 1
tcga-tq-a7rk.5452fdc5-eb15-49de-a0cc-9a9ca7018a5b.pdf                 1
                                                                    NA's
                                                                    512

patient.samples.sample.3.pathology_report_uuid:
49baf246-ae0a-4627-af91-35932d00f105 4a27aeba-b999-4f7f-b28f-ccc5ad367ba2
                                                                    1                                     1
5452fdc5-eb15-49de-a0cc-9a9ca7018a5b dd2349dd-e128-4c2d-962b-f8644121fb16
                                                                    1                                     1
                                                                    NA's
                                                                    512

patient.samples.sample.3.portions.portion.analytes.analyte.2.a260_a280_ratio:
1.84 1.87 1.88 1.89 NA's
1   1   1   1  512

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.2.
tcga-du-6404-02b-11r-a36h-07 tcga-du-6407-02b-11r-a36h-07
                                                                    1                                     1
tcga-fg-5965-02b-11r-a29v-13 tcga-tq-a7rk-02b-11r-a40a-07
                                                                    1                                     1
                                                                    NA's
                                                                    512

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.2.
1cd76b6a-a698-46cd-9594-decc4ebf24e4 25aa5be1-62ec-4bd7-9509-bafbcd1adddb

```



```

1
54f3eba4-0024-4176-af00-07d378266f7b af6191bb-b4c3-42ea-adc9-f6d45b00f0b0
1
NA's
512

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.2.
132275852 164053817 164053818 167788991 NA's
1 1 1 1 512

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.2.
7 13 NA's
3 1 512

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.2.
0.16 0.17 0.18 NA's
2 1 1 512

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.2.
8 14 29 NA's
1 1 2 512

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.2.
no NA's
4 512

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.2.
1 5 NA's
2 2 512

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.2.
1 4 9 NA's
1 1 2 512

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.2.
a29v a36h a40a NA's
1 2 1 512

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.2.
a e g NA's
1 2 1 512

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.2.
2.08 2.21 2.34 3.2 NA's
1 1 1 1 512

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.2.
23 NA's
4 512

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.2.
13 20 NA's

```

3 1 512

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.2.
2013 2014 NA's

1 3 512

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.bi

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
107043895	110530940	152296486	141278739	164053798	167812031	502

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.ce

7	8	13	NA's
1	10	3	502

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.co

0.16	0.17	0.18	0.5	NA's
2	1	1	10	502

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.da

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
8.0	12.5	23.0	20.0	27.5	30.0	502

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.is

no NA's
14 502

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.mo

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1.000	2.000	5.000	4.571	5.750	10.000	502

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.pl

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1.00	4.25	6.00	6.00	8.00	11.00	502

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.qu

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
2.08	12.70	40.00	29.45	40.00	40.00	502

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.so

22 23 NA's
5 9 502

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.vo

13 20 80 NA's
1 3 10 502

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.ye

2011 2012 2013 2014 NA's

4 1 3 6 502

patient.samples.sample.3.portions.portion.analytes.analyte.2.amount:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
17.15	31.03	187.00	122.94	202.00	210.00	507

patient.samples.sample.3.portions.portion.analytes.analyte.2.analyte_type:

repli-g (qiagen) dna	rna	NA's
10	4	502

patient.samples.sample.3.portions.portion.analytes.analyte.2.analyte_type_id:

r	w	NA's
4	10	502

patient.samples.sample.3.portions.portion.analytes.analyte.2.concentration:

0.16	0.17	0.18	0.5	NA's
2	1	1	5	507

patient.samples.sample.3.portions.portion.analytes.analyte.2.dna.normal_tumor_ge

yes	NA's
10	506

patient.samples.sample.3.portions.portion.analytes.analyte.2.dna.pcr_amplificati

no	yes	NA's
5	5	506

patient.samples.sample.3.portions.portion.analytes.analyte.2.gel_image_file:

https://sharedoc.nchri.org/tcga-bcr/default.aspx	14	NA's
	502	

patient.samples.sample.3.portions.portion.analytes.analyte.2.is_derived_from_ffp

no	NA's
14	502

patient.samples.sample.3.portions.portion.analytes.analyte.2.protocols.protocol.

mirvana (allprep dna) rna	repli-g	NA's
4	10	502

patient.samples.sample.3.portions.portion.analytes.analyte.2.rna.ratio_28s_18s:

1.51	1.55	1.61	1.85	NA's
1	1	1	1	512

patient.samples.sample.3.portions.portion.analytes.analyte.2.rna.rinvalue:

7.9	8.6	8.9	9.8	NA's
1	1	1	1	512

patient.samples.sample.3.portions.portion.analytes.analyte.2.spectrophotometer_m

picogreen	uv spec	NA's
-----------	---------	------

```

1          8          507

patient.samples.sample.3.portions.portion.analytes.analyte.2.subportion_sequence
1 NA's
4 512

patient.samples.sample.3.portions.portion.analytes.analyte.3.aliquots.aliquot.bo
tcga-du-6404-02b-11w-a44b-08 tcga-du-6407-02b-11w-a44b-08
1 1
tcga-fg-5965-02b-11w-a31c-08 NA's
1 513

patient.samples.sample.3.portions.portion.analytes.analyte.3.aliquots.aliquot.bo
6e4751dd-1c78-43b3-a470-4d229495ae72 8d1c69fd-86de-48fd-98b9-61be875893fb
1 1
b2efdc94-3fda-4001-ba4b-cceb30753550 NA's
1 513

patient.samples.sample.3.portions.portion.analytes.analyte.3.aliquots.aliquot.bi
153887906 167804390 174165408 NA's
1 1 1 513

patient.samples.sample.3.portions.portion.analytes.analyte.3.aliquots.aliquot.ce
8 NA's
3 513

patient.samples.sample.3.portions.portion.analytes.analyte.3.aliquots.aliquot.co
0.5 NA's
3 513

patient.samples.sample.3.portions.portion.analytes.analyte.3.aliquots.aliquot.da
8 24 NA's
2 1 513

patient.samples.sample.3.portions.portion.analytes.analyte.3.aliquots.aliquot.is
no NA's
3 513

patient.samples.sample.3.portions.portion.analytes.analyte.3.aliquots.aliquot.mo
7 NA's
3 513

patient.samples.sample.3.portions.portion.analytes.analyte.3.aliquots.aliquot.pl
3 11 NA's
1 2 513

patient.samples.sample.3.portions.portion.analytes.analyte.3.aliquots.aliquot.pl
a31c a44b NA's
1 2 513

patient.samples.sample.3.portions.portion.analytes.analyte.3.aliquots.aliquot.pl
e g h NA's

```

```

1      1      1      513

patient.samples.sample.3.portions.portion.analytes.analyte.3.aliquots.aliquot.qu
40 NA's
3      513

patient.samples.sample.3.portions.portion.analytes.analyte.3.aliquots.aliquot.so
23 NA's
3      513

patient.samples.sample.3.portions.portion.analytes.analyte.3.aliquots.aliquot.vo
80 NA's
3      513

patient.samples.sample.3.portions.portion.analytes.analyte.3.aliquots.aliquot.ye
2013 2014 NA's
1      2      513

patient.samples.sample.3.portions.portion.analytes.analyte.3.analyte_type:
repli-g (qiagen) dna                      NA's
3                      513

patient.samples.sample.3.portions.portion.analytes.analyte.3.analyte_type_id:
w NA's
3      513

patient.samples.sample.3.portions.portion.analytes.analyte.3.bcr_analyte_barcode
tcga-du-6404-02b-11w tcga-du-6407-02b-11w tcga-fg-5965-02b-11w
1                      1                      1
NA's
513

patient.samples.sample.3.portions.portion.analytes.analyte.3.bcr_analyte_uuid:
41739b05-7587-4d5b-b205-f0f046dd63ed 97492779-f99f-4158-afaa-00e6a3e68e18
1                      1
bad4b47f-2e47-4d8c-bd16-bade99418b5e                      NA's
1                      513

patient.samples.sample.3.portions.portion.analytes.analyte.3.dna.normal_tumor_ge
yes NA's
3      513

patient.samples.sample.3.portions.portion.analytes.analyte.3.dna.pcr_amplificati
yes NA's
3      513

patient.samples.sample.3.portions.portion.analytes.analyte.3.gel_image_file:
https://sharedoc.nchri.org/tcga-bcr/default.aspx
3
NA's
513

```

patient.samples.sample.3.portions.portion.analytes.analyte.3.is_derived_from_ffp
 no NA's
 3 513

patient.samples.sample.3.portions.portion.analytes.analyte.3.protocols.protocol.
 repli-g NA's
 3 513

patient.samples.sample.3.portions.portion.analytes.analyte.3.subportion_sequence
 1 NA's
 3 513

patient.samples.sample.3.portions.portion.analytes.analyte.a260_a280_ratio:
 1.9 NA's
 4 512

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.2.bi
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 108686897 111773029 149775626 140128164 163129749 167780324 502

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.2.ce
 1 8 NA's
 6 8 502

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.2.co
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 0.0500 0.0800 0.0850 0.1036 0.1375 0.1600 502

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.2.da
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 8.00 24.25 25.00 23.50 26.50 29.00 502

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.2.is
 no NA's
 14 502

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.2.mo
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 1.0 2.5 4.0 5.0 6.5 12.0 502

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.2.pl
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 2.000 4.000 5.000 6.071 7.750 11.000 502

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.2.qu
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 0.870 0.950 2.800 2.191 3.200 3.600 502

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.2.so
 22 23 NA's
 5 9 502

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.2.vo
 6.67 6.7 40 60 NA's
 4 2 7 1 502

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.2.ye
 2011 2013 2014 NA's
 5 5 4 502

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.3.bi

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
108686417	108686453	132270082	136743632	164053815	167789543	507

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.3.ce
 5 8 NA's
 2 7 507

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.3.co
 0.05 0.07 0.08 0.16 NA's
 4 2 1 2 507

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.3.da

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
8.00	25.00	25.00	23.33	29.00	30.00	507

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.3.is
 no NA's
 9 507

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.3.mo
 1 4 5 NA's
 2 5 2 507

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.3.pl

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1.000	4.000	5.000	5.889	7.000	11.000	507

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.3.qu

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0.940	2.080	3.000	2.567	3.000	3.200	507

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.3.so
 22 23 NA's
 4 5 507

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.3.vo
 13 13.4 40 60 NA's
 2 1 2 4 507

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.3.ye
 2011 2013 2014 NA's
 4 1 4 507

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.4.bi

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
108686636	145635555	164054786	149297337	164054834	164054875	511

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.4.ce
 1 5 8 NA's
 1 1 3 511

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.4.co
 0.07 0.13 0.16 NA's
 3 1 1 511

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.4.da
 3 25 26 NA's
 1 1 3 511

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.4.is
 no NA's
 5 511

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.4.mo
 2 4 9 NA's
 3 1 1 511

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.4.pl
 3 4 5 8 NA's
 2 1 1 1 511

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.4.pl
 1706 a323 a37s NA's
 1 1 3 511

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.4.pl
 a d e h NA's
 1 1 1 2 511

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.4.qu
 0.94 1.28 3.47 NA's
 3 1 1 511

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.4.so
 22 23 NA's


```

1      4    511

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.4.vo
8 13.4 26.7 NA's
1      3      1  511

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.4.ye
2011 2013 2014 NA's
1      1      3  511

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.5.bo
tcga-du-5870-10a-01d-a43p-08 tcga-du-5872-10a-01d-a465-08
1 1
tcga-du-6397-10a-01d-a43p-08 tcga-fg-5963-10a-01d-a37s-08
1 1
NA's
512

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.5.bo
24e6e15e-8d1b-4302-8e0c-da1158c5ee5c 2749b3ce-c9cb-4a0a-b5d9-d6051046b1f5
1 1
b5c9f7f2-3341-49cb-ae5-b0838180af09 ef52238c-1fb1-4ba7-a943-76e849f8145f
1 1
NA's
512

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.5.bi
164054848 167804263 167804265 167812138 NA's
1 1 1 1 512

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.5.ce
8 NA's
4 512

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.5.co
0.07 NA's
4 512

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.5.da
2 8 26 NA's
1 2 1 512

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.5.is
no NA's
4 512

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.5.mo
2 7 12 NA's
1 2 1 512

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.5.pl
1 2 8 NA's

```

2 1 1 512

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.5.pl
a37s a43p a465 NA's

1 2 1 512

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.5.pl

a c d f NA's

1 1 1 1 512

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.5.qu

0.92 0.94 NA's

1 3 512

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.5.sc

23 NA's

4 512

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.5.vo

13.2 13.4 NA's

1 3 512

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.5.ye

2014 NA's

4 512

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.6.bo

tcga-du-5870-10a-01d-a461-08 tcga-du-6397-10a-01d-a461-08

1

1

NA's

514

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.6.bo

1a48ebf2-931b-435c-9efd-021e0568e375 5d762eaa-d788-47e4-83f7-e00b7a2d44b4

1

1

NA's

514

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.6.bi

167811274 167814106 NA's

1

1

514

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.6.ce

8 NA's

2 514

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.6.co

0.07 NA's

2 514

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.6.da

7 NA's

2 514

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.6.is
no NA's

2 514

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.6.mo
10 NA's

2 514

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.6.pl
1 NA's

2 514

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.6.pl
a461 NA's

2 514

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.6.pl
c f NA's

1 1 514

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.6.qu
0.7 NA's

2 514

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.6.so
23 NA's

2 514

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.6.vo
10 NA's

2 514

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.6.ye
2014 NA's

2 514

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.bios
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
108686513 111772669 149777882 140127806 163129514 167780271 502

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.cent
1 2 5 NA's

8 4 2 502

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.conc
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's

0.13 0.14 0.15 0.15 0.16 0.17 502

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.day_
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 8.00 24.25 25.00 23.50 26.50 29.00 502

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.is_d
 no NA's
 14 502

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.mont
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 1.0 2.5 4.0 5.0 6.5 12.0 502

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.plat
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 2.000 4.000 5.000 6.071 7.750 11.000 502

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.quant
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 0.930 1.070 1.140 1.399 1.827 2.080 502

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.sour
 22 23 NA's
 5 9 502

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.vol
 6.67 6.7 13 13.3 NA's
 1 7 2 4 502

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.year
 2011 2013 2014 NA's
 5 5 4 502

patient.samples.sample.3.portions.portion.analytes.analyte.amount:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 8.27 19.70 40.91 55.64 64.29 168.40 502

patient.samples.sample.3.portions.portion.analytes.analyte.analyte_type:
 dna NA's
 14 502

patient.samples.sample.3.portions.portion.analytes.analyte.analyte_type_id:
 d NA's
 14 502

patient.samples.sample.3.portions.portion.analytes.analyte.concentration:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 0.13 0.14 0.15 0.15 0.16 0.17 502

patient.samples.sample.3.portions.portion.analytes.analyte.dna.normal_tumor_genotype:
yes NA's
14 502

patient.samples.sample.3.portions.portion.analytes.analyte.dna.pcr_amplification:
no yes NA's
5 9 502

patient.samples.sample.3.portions.portion.analytes.analyte.gel_image_file:
<https://sharedoc.nchri.org/tcga-bcr/default.aspx>
14
NA's
502

patient.samples.sample.3.portions.portion.analytes.analyte.is_derived_from_ffpe:
no NA's
14 502

patient.samples.sample.3.portions.portion.analytes.analyte.protocols.protocol.execution_order:
adna preparation type pre-extracted dna received by tss
6 8
NA's
502

patient.samples.sample.3.portions.portion.analytes.analyte.spectrophotometer_measurement:
picogreen uv spec NA's
10 4 502

patient.samples.sample.3.portions.portion.analytes.analyte.subportion_sequence:
1 NA's
4 512

patient.samples.sample.3.portions.portion.day_of_creation:
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
5.00 12.25 18.00 17.14 22.75 26.00 502

patient.samples.sample.3.portions.portion.is_ffpe:
no NA's
14 502

patient.samples.sample.3.portions.portion.month_of_creation:
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
1.000 2.250 8.000 6.571 9.750 12.000 502

patient.samples.sample.3.portions.portion.portion_number:
1 11 NA's
10 4 502

patient.samples.sample.3.portions.portion.portion_sequence:
1 NA's

6 510

```

patient.samples.sample.3.portions.portion.slides.slide.bcr_slide_barcode:
tcga-du-6404-02b-01-ts1 tcga-du-6407-02b-01-ts1 tcga-fg-5965-02b-01-ts1
                        1                        1                        1
tcga-tq-a7rk-02b-01-ts1                        NA's
                        1                        512

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```

patient.samples.sample.3.portions.portion.slides.slide.bcr_slide_uuid:
1c087e11-5130-4095-979f-3d949c41ef15 90e66b88-254f-4cad-8415-662a50022438
                                         1                                         1
9b51dcdd-bfc9-4471-b2fd-21ab570809bd f1fb2086-7951-4603-a4b1-0e254cd49350
                                         1                                         1
                                         NA's
                                         512

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```

patient.samples.sample.3.portions.portion.slides.slide.image_file_name:
tcga-du-6404-02b-01-ts1.f1fb2086-7951-4603-a4b1-0e254cd49350.svs
                                                                    1
tcga-du-6407-02b-01-ts1.90e66b88-254f-4cad-8415-662a50022438.svs
                                                                    1
tcga-fg-5965-02b-01-ts1.1c087e11-5130-4095-979f-3d949c41ef15.svs
                                                                    1
tcga-tq-a7rk-02b-01-ts1.9b51dcdd-bfc9-4471-b2fd-21ab570809bd.svs
                                                                    1
                                                                    NA's
                                                                    512

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```

patient.samples.sample.3.portions.portion.slides.slide.is_derived_from_ffpe:
no NA's
4 512

```

```

patient.samples.sample.3.portions.portion.slides.slide.percent_lymphocyte_infiltration:
0 NA's
4 512

```

```

patient.samples.sample.3.portions.portion.slides.slide.percent_monocyte_infiltration:
0 NA's
4 512

```

```

patient.samples.sample.3.portions.portion.slides.slide.percent_necrosis:
0 5 20 NA's
2 1 1 512

```

```

patient.samples.sample.3.portions.portion.slides.slide.percent_neutrophil_infiltration:
0 NA's
4 512

```

```

patient.samples.sample.3.portions.portion.slides.slide.percent_normal_cells:
5 10 20 NA's
2 1 1 512

```

```

patient.samples.sample.3.portions.portion.slides.slide.percent_stromal_cells:
  0   5  45  50 NA's
  1   1   1   1  512

patient.samples.sample.3.portions.portion.slides.slide.percent_tumor_cells:
  40  50  60  85 NA's
  1   1   1   1  512

patient.samples.sample.3.portions.portion.slides.slide.percent_tumor_nuclei:
  70  80  85  90 NA's
  1   1   1   1  512

patient.samples.sample.3.portions.portion.slides.slide.section_location:
  top NA's
  4  512

patient.samples.sample.3.portions.portion.weight:
  2  30 NA's
  2   4  510

patient.samples.sample.3.portions.portion.year_of_creation:
  2011 2012 2013 2014 NA's
  5     2     6     1  502

patient.samples.sample.3.sample_type:
  blood derived normal      recurrent tumor      NA's
                                10                      4                      502

patient.samples.sample.3.sample_type_id:
  2  10 NA's
  4  10  502

patient.samples.sample.3.vial_number:
  a   b NA's
  10  4  502

patient.samples.sample.4.bcr_sample_barcode:
  tcga-du-6404-10a tcga-du-6407-10a tcga-fg-5965-10a tcga-tq-a7rk-10a
                                1                      1                      1                      1
                                NA's
                                512

patient.samples.sample.4.bcr_sample_uuid:
  1cd7f0e4-4680-470b-b23d-7ff2ff16ea6e 4035393d-d331-4d0c-95c7-5b00acd26035
                                                1                      1
  8469a6ea-9610-4b3d-8caa-48e503b0fd2e b7b08d55-fe27-4261-a8c2-e29dbc658e74
                                                1                      1
                                                NA's
                                                512

patient.samples.sample.4.days_to_collection:
  1057 NA's

```

1 515

patient.samples.sample.4.is_ffpe:

no NA's

4 512

patient.samples.sample.4.oct_embedded:

false NA's

1 515

patient.samples.sample.4.portions.portion.analytes.analyte.2.aliquots.aliquot.bo

tcga-du-6404-10a-01w-1780-08 tcga-du-6407-10a-01w-1780-08

1

1

tcga-fg-5965-10a-01w-1930-08 tcga-tq-a7rk-10a-01w-a453-08

1

1

NA's

512

patient.samples.sample.4.portions.portion.analytes.analyte.2.aliquots.aliquot.bo

0488a7e4-bd8b-4f6d-b818-8c02ae9b274c 624a3f58-2fc4-45f4-82e2-409e4c871ba5

1

1

78731e5c-53c8-4086-8710-e88283917159 81b20b65-784d-4062-9bc7-b5bb455f8fe1

1

1

NA's

512

patient.samples.sample.4.portions.portion.analytes.analyte.2.aliquots.aliquot.bi

107043640 107043958 113627634 175155747 NA's

1

1

1

1

512

patient.samples.sample.4.portions.portion.analytes.analyte.2.aliquots.aliquot.ce

8 NA's

4 512

patient.samples.sample.4.portions.portion.analytes.analyte.2.aliquots.aliquot.co

0.5 NA's

4 512

patient.samples.sample.4.portions.portion.analytes.analyte.2.aliquots.aliquot.da

8 23 NA's

2 2 512

patient.samples.sample.4.portions.portion.analytes.analyte.2.aliquots.aliquot.is

no NA's

4 512

patient.samples.sample.4.portions.portion.analytes.analyte.2.aliquots.aliquot.mo

5 7 8 NA's

2 1 1 512

patient.samples.sample.4.portions.portion.analytes.analyte.2.aliquots.aliquot.pl

4 6 8 NA's


```

1      1      2      512

patient.samples.sample.4.portions.portion.analytes.analyte.2.aliquots.aliquot.pl
1780 1930 a453 NA's
2      1      1      512

patient.samples.sample.4.portions.portion.analytes.analyte.2.aliquots.aliquot.pl
b      e      g      h NA's
1      1      1      1      512

patient.samples.sample.4.portions.portion.analytes.analyte.2.aliquots.aliquot.qu
40 NA's
4      512

patient.samples.sample.4.portions.portion.analytes.analyte.2.aliquots.aliquot.sc
22      23 NA's
3      1      512

patient.samples.sample.4.portions.portion.analytes.analyte.2.aliquots.aliquot.vo
80 NA's
4      512

patient.samples.sample.4.portions.portion.analytes.analyte.2.aliquots.aliquot.ye
2011 2014 NA's
3      1      512

patient.samples.sample.4.portions.portion.analytes.analyte.2.amount:
180 206 213 NA's
1      1      1      513

patient.samples.sample.4.portions.portion.analytes.analyte.2.analyte_type:
repli-g (qiagen) dna                      NA's
4                      512

patient.samples.sample.4.portions.portion.analytes.analyte.2.analyte_type_id:
w NA's
4      512

patient.samples.sample.4.portions.portion.analytes.analyte.2.bcr_analyte_barcode
tcga-du-6404-10a-01w tcga-du-6407-10a-01w tcga-fg-5965-10a-01w
1                      1                      1
tcga-tq-a7rk-10a-01w                      NA's
1                      512

patient.samples.sample.4.portions.portion.analytes.analyte.2.bcr_analyte_uuid:
19e49677-b6e1-4fc2-9b44-1f064f8c2596 b902b8b3-6e1b-48c3-ab50-cfde84e42f01
1                      1
e6f69d7d-6ee3-4107-99c2-c5283e1f1001 f2fd42bb-267f-4eaa-bb83-2cc0ea2c0b35
1                      1
NA's
512

```

```

patient.samples.sample.4.portions.portion.analytes.analyte.2.concentration:
0.5 NA's
3 513

patient.samples.sample.4.portions.portion.analytes.analyte.2.dna.normal_tumor_ge
yes NA's
4 512

patient.samples.sample.4.portions.portion.analytes.analyte.2.dna.pcr_amplificati
no yes NA's
3 1 512

patient.samples.sample.4.portions.portion.analytes.analyte.2.gel_image_file:
https://sharedoc.nchri.org/tcga-bcr/default.aspx
4
NA's
512

patient.samples.sample.4.portions.portion.analytes.analyte.2.is_derived_from_ffp
no NA's
4 512

patient.samples.sample.4.portions.portion.analytes.analyte.2.protocols.protocol.
repli-g NA's
4 512

patient.samples.sample.4.portions.portion.analytes.analyte.2.spectrophotometer_m
picogreen uv spec NA's
1 2 513

patient.samples.sample.4.portions.portion.analytes.analyte.a260_a280_ratio:
1.8 1.9 NA's
2 1 513

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.2.bo
tcga-du-6404-10a-01d-1704-01 tcga-du-6407-10a-01d-1704-01
1 1
tcga-fg-5965-10a-01d-1892-01 tcga-tq-a7rk-10a-01d-a33w-08
1 1
NA's
512

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.2.bo
4a8c0837-95d6-428f-af78-778185c83361 bf658a6a-86df-4667-b089-d2f86f9ff2dc
1 1
c3ebdf51-7993-4c69-b3d5-38be928a2d8e ed3e7b50-72a7-4dd3-90ba-87583c1a65da
1 1
NA's
512

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.2.bi
108686921 108686958 160357155 1053935695 NA's

```

```
1 1 1 1 512
patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.2.ce
1 8 NA's
3 1 512
patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.2.co
0.09 0.14 0.16 NA's
1 2 1 512
patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.2.da
20 25 30 NA's
1 2 1 512
patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.2.is
no NA's
4 512
patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.2.mo
4 7 10 NA's
2 1 1 512
patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.2.pl
4 6 7 NA's
1 1 2 512
patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.2.pl
1704 1892 a33w NA's
2 1 1 512
patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.2.pl
a b e h NA's
1 1 1 1 512
patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.2.qu
0.93 1.07 3.6 NA's
2 1 1 512
patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.2.so
22 23 NA's
3 1 512
patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.2.vo
6.67 40 NA's
3 1 512
patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.2.ye
2011 2013 NA's
3 1 512
patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.3.bo
tcga-du-6404-10a-01d-1705-08 tcga-du-6407-10a-01d-1705-08
```

		1		1
tcga-fg-5965-10a-01d-1893-08				NA's
		1		513

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.3.bo				
1895ec32-d356-44f2-94e4-7e43bf8ea156	4a5655ba-0f40-4c74-9534-23eb5df3ad4d			
		1		1
6f6eeb7c-c029-419f-a597-d0f72fd8ae69				NA's
		1		513

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.3.bi				
108686441	108686478	1053935791		NA's
				513
	1	1	1	

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.3.ce				
		8		NA's
		3		513

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.3.co				
		0.05		NA's
		3		513

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.3.da				
		20		25 NA's
		1		2 513

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.3.is				
		no		NA's
		3		513

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.3.mo				
		4		7 NA's
		2		1 513

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.3.pl				
		6		7 NA's
		1		2 513

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.3.pl				
		1705		1893 NA's
		2		1 513

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.3.pl				
		a		b e NA's
		1		1 1 513

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.3.qu				
		3		NA's
		3		513

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.3.so				
		22		NA's

3 513

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.3.vo

60 NA's

3 513

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.3.ye

2011 NA's

3 513

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.4.bo

tcga-du-6404-10a-01d-a37s-08 tcga-du-6407-10a-01d-a290-08

1

1

NA's

514

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.4.bo

44e8a999-8454-437f-9db0-10fa2366af5e 5d1741ca-e214-4ce2-9af2-09020e99d837

1

1

NA's

514

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.4.bi

132268906 164054861 NA's

1

1

514

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.4.ce

8 NA's

2 514

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.4.co

0.07 NA's

2 514

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.4.da

26 30 NA's

1

1

514

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.4.is

no NA's

2 514

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.4.mo

2 4 NA's

1

1

514

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.4.pl

1 6 NA's

1

1

514

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.4.pl

a290 a37s NA's

```

1      1      514

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.4.pl
b      f NA's
1      1      514

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.4.qu
0.94  1.4 NA's
1      1      514

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.4.so
23 NA's
2      514

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.4.vo
13.4  20 NA's
1      1      514

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.4.ye
2013 2014 NA's
1      1      514

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.5.bo
tcga-du-6404-10a-01d-a43p-08 tcga-du-6407-10a-01d-a38t-08
1                                     1
NA's
514

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.5.bo
779a8023-24d8-4afc-94d1-2973af3badf8 a2b77766-4e40-43a4-8c29-c557f9044d11
1                                     1
NA's
514

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.5.bi
167779682 167804261      NA's
1          1          514

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.5.ce
8 NA's
2      514

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.5.co
0.07 NA's
2      514

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.5.da
8      30 NA's
1      1      514

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.5.is
no NA's

```

2 514

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.5.mo

4 7 NA's

1 1 514

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.5.pl

1 3 NA's

1 1 514

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.5.pl

a38t a43p NA's

1 1 514

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.5.pl

h NA's

2 514

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.5.qu

0.94 NA's

2 514

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.5.so

23 NA's

2 514

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.5.vo

13.4 NA's

2 514

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.5.ye

2014 NA's

2 514

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.6.bo

tcga-du-6404-10a-01d-a461-08

NA's

1

515

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.6.bo

934d95ec-4ae8-48af-accl-87dad8b41f8c

NA's

1

515

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.6.bi

167811265 NA's

1 515

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.6.ce

8 NA's

1 515

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.6.co

0.07 NA's

1 515
 patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.6.da
 7 NA's
 1 515
 patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.6.is
 no NA's
 1 515
 patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.6.mo
 10 NA's
 1 515
 patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.6.pl
 2 NA's
 1 515
 patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.6.pl
 a461 NA's
 1 515
 patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.6.pl
 d NA's
 1 515
 patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.6.qu
 0.7 NA's
 1 515
 patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.6.so
 23 NA's
 1 515
 patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.6.vo
 10 NA's
 1 515
 patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.6.ye
 2014 NA's
 1 515
 patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.bcr_
 tcga-du-6404-10a-01d-1703-02 tcga-du-6407-10a-01d-1703-02
 1 1
 tcga-fg-5965-10a-01d-1891-02 tcga-tq-a7rk-10a-01d-a33v-01
 1 1
 NA's
 512
 patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.bcr_
 51702b0a-b663-4083-b9b0-5bd1bbdee263 70176976-e09d-4991-967d-28987a5cfd67


```

1
7f70b31d-d062-4b09-80ca-f7eee520a0ea eb380229-1c8c-4751-b42f-30df444f67e5
1
NA's
512

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.bios
108686537 108686574 160357251 1053966688 NA's
1 1 1 1 512

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.cent
1 2 NA's
1 3 512

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.conc
0.14 0.16 0.17 NA's
2 1 1 512

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.day_
20 25 30 NA's
1 2 1 512

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.is_d
no NA's
4 512

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.mont
4 7 10 NA's
2 1 1 512

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.plat
4 5 7 NA's
1 1 2 512

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.plat
1703 1891 a33v NA's
2 1 1 512

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.plat
b e h NA's
1 2 1 512

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.quan
1.14 1.6 1.86 NA's
1 1 2 512

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.sour
22 23 NA's
3 1 512

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.vol
6.7 10 13.3 NA's

```

1 1 2 512

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.year:
2011 2013 NA's

3 1 512

patient.samples.sample.4.portions.portion.analytes.analyte.amount:

9.57 53.3 58 85 NA's

1 1 1 1 512

patient.samples.sample.4.portions.portion.analytes.analyte.analyte_type:

dna NA's

4 512

patient.samples.sample.4.portions.portion.analytes.analyte.analyte_type_id:

d NA's

4 512

patient.samples.sample.4.portions.portion.analytes.analyte.bcr_analyte_barcode:

tcga-du-6404-10a-01d tcga-du-6407-10a-01d tcga-fg-5965-10a-01d

1 1 1

tcga-tq-a7rk-10a-01d NA's

1 512

patient.samples.sample.4.portions.portion.analytes.analyte.bcr_analyte_uuid:

07aaf4e6-f601-47e0-b99a-ec64d7a4b6c3 3e72463f-b67b-424a-9de6-8fa700ae34ac

1 1

633ef1a1-0ab3-4c83-bbd2-a2b815c9106c cc382d56-e7dc-4326-b475-18e3044615ee

1 1

NA's

512

patient.samples.sample.4.portions.portion.analytes.analyte.concentration:

0.14 0.16 0.17 NA's

2 1 1 512

patient.samples.sample.4.portions.portion.analytes.analyte.dna.normal_tumor_genome:

yes NA's

4 512

patient.samples.sample.4.portions.portion.analytes.analyte.dna.pcr_amplification:

no yes NA's

3 1 512

patient.samples.sample.4.portions.portion.analytes.analyte.gel_image_file:

<https://sharedoc.nchri.org/tcga-bcr/default.aspx>

4

NA's

512

patient.samples.sample.4.portions.portion.analytes.analyte.is_derived_from_ffpe:

no NA's

4 512

patient.samples.sample.4.portions.portion.analytes.analyte.protocols.protocol.ex
pre-extracted dna received by tss NA's
4 512

patient.samples.sample.4.portions.portion.analytes.analyte.spectrophotometer_met
picogreen uv spec NA's
1 3 512

patient.samples.sample.4.portions.portion.bcr_portion_barcode:
tcga-du-6404-10a-01 tcga-du-6407-10a-01 tcga-fg-5965-10a-01 tcga-tq-a7rk-10a-01
1 1 1
NA's
512

patient.samples.sample.4.portions.portion.bcr_portion_uuid:
30cc85b5-fd57-4765-8c59-f2bff954be8f 58af8efe-e700-4e8b-b5c5-e4159b18a181
1 1
66258208-b4a3-4c43-aec9-3a2acb96d561 c52a42af-03bc-4b94-816b-29c668af1ebc
1 1
NA's
512

patient.samples.sample.4.portions.portion.day_of_creation:
11 16 19 NA's
1 2 1 512

patient.samples.sample.4.portions.portion.is_ffpe:
no NA's
4 512

patient.samples.sample.4.portions.portion.month_of_creation:
2 3 9 NA's
1 2 1 512

patient.samples.sample.4.portions.portion.portion_number:
1 NA's
4 512

patient.samples.sample.4.portions.portion.portion_sequence:
1 NA's
1 515

patient.samples.sample.4.portions.portion.year_of_creation:
2011 2013 NA's
3 1 512

patient.samples.sample.4.sample_type:
blood derived normal NA's
4 512

patient.samples.sample.4.sample_type_id:

10 NA's
4 512

patient.samples.sample.4.vial_number:

a NA's
4 512

patient.samples.sample.days_to_collection:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1.0	114.0	375.0	865.3	961.0	7912.0	223

patient.samples.sample.diagnostic_slides.ffpe_slide_uuid.10:

088a6643-8205-45a9-af02-8c039d9f653e	b88fa0f5-7626-46c8-b81c-48ac95e4af63	1	1
cd6e7624-8ec3-4431-a3dc-2739419f9e12		1	NA's
			513

patient.samples.sample.diagnostic_slides.ffpe_slide_uuid.11:

874632d2-dd16-441a-927d-df54c5ed35f2	e06e482d-dbb9-4bbe-bd34-de76ac8bfd56	1	1
f02c56e8-9793-4272-b14e-031a06ee2c8f		1	NA's
			513

patient.samples.sample.diagnostic_slides.ffpe_slide_uuid.12:

484f328c-f9e9-4970-88cd-9c931ba53bba	9a0644c6-3bad-4dee-bd7d-190588fc4213	1	1
f741de76-6e81-4dcf-a99f-659c1e398fb0		1	NA's
			513

patient.samples.sample.diagnostic_slides.ffpe_slide_uuid.13:

26ca7de4-febc-4544-829f-163a7fb04da7	3bed3f8d-421d-40fd-91af-38ad307639d0	1	1
d62ddc11-431f-41a4-9f9f-da33e90d9dc4		1	NA's
			513

patient.samples.sample.diagnostic_slides.ffpe_slide_uuid.14:

035d15f7-4627-463b-bca0-293d3980dbe9	7888c0c3-818c-4c36-9ec6-f708b257872a	1	1
8f2ae4ba-d2b0-406c-8624-7b3d840e67b2		1	NA's
			513

patient.samples.sample.diagnostic_slides.ffpe_slide_uuid.15:

13ea5176-70ac-420d-9e05-ebed338b1abc	f23d5126-9d7d-436e-9565-5724cdfdd79e	1	1
		NA's	
		514	

patient.samples.sample.diagnostic_slides.ffpe_slide_uuid.16:

3b3e33bb-2b4a-4600-8474-62afcc9f99a4 NA's
1 515

patient.samples.sample.diagnostic_slides.ffpe_slide_uuid.17:
4ea311da-943a-415a-b2c6-19b7d20231af NA's
1 515

patient.samples.sample.initial_weight:
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
10.0 100.0 160.0 231.1 290.0 2980.0 224

patient.samples.sample.intermediate_dimension:
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
0.3000 0.8000 0.9000 0.8856 1.0000 1.8000 294

patient.samples.sample.is_ffpe:
no NA's
515 1

patient.samples.sample.longest_dimension:
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
0.400 1.000 1.100 1.313 1.500 3.700 294

patient.samples.sample.oct_embedded:
false true NA's
179 114 223

patient.samples.sample.portions.portion.2.analytes.analyte.a260_a280_ratio:
1.7 1.8 NA's
1 1 514

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.2.bo
tcga-db-5279-01a-03r-1470-07 tcga-du-6395-01a-13r-1708-07
1 1
tcga-fg-7638-01b-12r-2090-07 NA's
1 513

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.2.bo
11b3ce08-d237-4e4e-8656-a235d3964f8f a6296495-9708-414d-a797-80e9fba7be77
1 1
c1c9f44f-935f-47b9-80cd-5116d52001c3 NA's
1 513

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.2.bi
108686041 120998281 1049951397 NA's
1 1 1 513

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.2.ce
7 NA's
3 513

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.2.co
0.15 0.16 NA's
2 1 513

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.2.da
15 19 25 NA's
1 1 1 513

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.2.is
no NA's
3 513

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.2.mo
4 12 NA's
1 2 513

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.2.pl
2 3 NA's
2 1 513

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.2.pl
1470 1708 2090 NA's
1 1 1 513

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.2.pl
a b f NA's
1 1 1 513

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.2.qu
2 4.01 4.27 NA's
1 1 1 513

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.2.so
22 NA's
3 513

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.2.vo
13.3 26.7 NA's
1 2 513

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.2.ye
2010 2011 NA's
1 2 513

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.3.bo
tcga-db-5279-01a-03r-1762-13 NA's
1 515

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.3.bo
26f3783b-6fef-492c-a308-0cd363873d58 NA's
1 515

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.3.bi
1053960440 NA's
1 515

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.3.ce
13 NA's
1 515

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.3.co
0.15 NA's
1 515

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.3.da
16 NA's
1 515

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.3.is
no NA's
1 515

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.3.mo
5 NA's
1 515

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.3.pl
5 NA's
1 515

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.3.pl
1762 NA's
1 515

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.3.pl
h NA's
1 515

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.3.qu
3 NA's
1 515

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.3.so
22 NA's
1 515

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.3.vo
20 NA's
1 515

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.3.ye
2011 NA's
1 515

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.4.bo
tcga-db-5279-01a-03r-2347-07 NA's
1 515

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.4.bo
4af34323-4cc9-4b69-b0cf-558bb9d8ee1a NA's
1 515

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.4.bi
1076438310 NA's
1 515

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.4.ce
7 NA's
1 515

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.4.co
0.15 NA's
1 515

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.4.da
30 NA's
1 515

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.4.is
no NA's
1 515

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.4.mo
7 NA's
1 515

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.4.pl
1 NA's
1 515

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.4.pl
2347 NA's
1 515

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.4.pl
a NA's
1 515

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.4.qu
2 NA's
1 515

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.4.so
22 NA's
1 515

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.4.vo
13.3 NA's
1 515

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.4.ye
2012 NA's
1 515

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.5.bo
tcga-db-5279-01a-03r-a32z-07 NA's
1 515

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.5.bo
4aaa36fe-91d2-41f2-a957-4d7457af781f NA's
1 515

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.5.bi
150757350 NA's
1 515

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.5.ce
7 NA's
1 515

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.5.co
0.15 NA's
1 515

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.5.da
2 NA's
1 515

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.5.is
no NA's
1 515

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.5.mo
10 NA's
1 515

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.5.pl
3 NA's
1 515

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.5.pl
 a32z NA's
 1 515

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.5.pl
 h NA's
 1 515

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.5.qu
 1.95 NA's
 1 515

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.5.sc
 23 NA's
 1 515

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.5.vo
 13 NA's
 1 515

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.5.ye
 2013 NA's
 1 515

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.bcr_
 tcga-db-5279-01a-03r-1469-13 tcga-du-6395-01a-13r-1707-13
 1 1
 tcga-fg-7638-01b-12r-2089-13 NA's
 1 513

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.bcr_
 6a036235-0d95-43f8-9543-ab77dc0df8f1 7c5a455f-6076-41a0-bc4a-ca26068a8571
 1 1
 ea7ddef7-db96-4965-a660-8dcd97d5b306 NA's
 1 513

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.bios
 108685849 120998377 1049951205 NA's
 1 1 1 513

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.cent
 13 NA's
 3 513

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.conc
 0.15 0.16 NA's
 2 1 513

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.day_
 15 19 25 NA's
 1 1 1 513

```

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.is_d
no NA's
3 513

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.mont
4 12 NA's
1 2 513

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.plat
2 3 NA's
2 1 513

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.plat
1469 1707 2089 NA's
1 1 1 513

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.plat
a b f NA's
1 1 1 513

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.quant
3 3.2 NA's
2 1 513

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.sourc
22 NA's
3 513

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.volum
20 NA's
3 513

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.year
2010 2011 NA's
1 2 513

patient.samples.sample.portions.portion.2.analytes.analyte.amount:
3.8 12 96.2 NA's
1 1 1 513

patient.samples.sample.portions.portion.2.analytes.analyte.analyte_type:
rna NA's
3 513

patient.samples.sample.portions.portion.2.analytes.analyte.analyte_type_id:
r NA's
3 513

patient.samples.sample.portions.portion.2.analytes.analyte.bcr_analyte_barcode:
tcga-db-5279-01a-03r tcga-du-6395-01a-13r tcga-fg-7638-01b-12r
1 1 1

```

```

NA's
513

patient.samples.sample.portions.portion.2.analytes.analyte.bcr_analyte_uuid:
0406e40b-6523-47ea-91ee-3f9aafb35774 3f31aea6-c4a9-473e-b4bd-5471bae7894f
1 1
63a075f7-6c07-4224-8942-ab4600ada49d NA's
1 513

patient.samples.sample.portions.portion.2.analytes.analyte.concentration:
0.15 0.16 NA's
2 1 513

patient.samples.sample.portions.portion.2.analytes.analyte.gel_image_file:
https://sharedoc.nchri.org/tcga-bcr/default.aspx
3
NA's
513

patient.samples.sample.portions.portion.2.analytes.analyte.is_derived_from_ffpe:
no NA's
3 513

patient.samples.sample.portions.portion.2.analytes.analyte.protocols.protocol.ex
mirvana (allprep dna) rna NA's
3 513

patient.samples.sample.portions.portion.2.analytes.analyte.rna.ratio_28s_18s:
0.98 1.11 1.2 NA's
1 1 1 513

patient.samples.sample.portions.portion.2.analytes.analyte.rna.rinvalue:
7.1 7.4 7.8 NA's
1 1 1 513

patient.samples.sample.portions.portion.2.analytes.analyte.spectrophotometer_met
uv spec NA's
3 513

patient.samples.sample.portions.portion.2.analytes.analyte.subportion_sequence:
2 3 NA's
1 1 514

patient.samples.sample.portions.portion.2.bcr_portion_barcode:
tcga-db-5279-01a-03 tcga-du-6395-01a-13 tcga-fg-7638-01b-12 NA's
1 1 1 513

patient.samples.sample.portions.portion.2.bcr_portion_uuid:
3133e972-4cc5-4771-90fe-3590f810ccaa 82ff0574-c153-477c-b763-575feff5113d
1 1
ce7ed07d-47b3-4232-af7b-6148a9ca61fe NA's
1 513

```

patient.samples.sample.portions.portion.2.day_of_creation:

8 18 21 NA's
1 1 1 513

patient.samples.sample.portions.portion.2.is_ffpe:

no NA's
3 513

patient.samples.sample.portions.portion.2.month_of_creation:

3 10 11 NA's
1 1 1 513

patient.samples.sample.portions.portion.2.portion_number:

3 12 13 NA's
1 1 1 513

patient.samples.sample.portions.portion.2.slides.slide.2.bcr_slide_barcode:

tcga-fg-7638-01b-01-ts1 NA's
1 515

patient.samples.sample.portions.portion.2.slides.slide.2.bcr_slide_uuid:

ef29b78f-ee6a-4ef0-bc7b-aaa0a51dd1f9 NA's
1 515

patient.samples.sample.portions.portion.2.slides.slide.2.image_file_name:

tcga-fg-7638-01b-01-ts1.ef29b78f-ee6a-4ef0-bc7b-aaa0a51dd1f9.svs
1
NA's
515

patient.samples.sample.portions.portion.2.slides.slide.2.is_derived_from_ffpe:

no NA's
1 515

patient.samples.sample.portions.portion.2.slides.slide.2.percent_necrosis:

0 NA's
1 515

patient.samples.sample.portions.portion.2.slides.slide.2.percent_normal_cells:

0 NA's
1 515

patient.samples.sample.portions.portion.2.slides.slide.2.percent_stromal_cells:

0 NA's
1 515

patient.samples.sample.portions.portion.2.slides.slide.2.percent_tumor_cells:

100 NA's
1 515

patient.samples.sample.portions.portion.2.slides.slide.2.percent_tumor_nuclei:

75 NA's
1 515

patient.samples.sample.portions.portion.2.slides.slide.2.section_location:
top NA's
1 515

patient.samples.sample.portions.portion.2.slides.slide.bcr_slide_barcode:
tcga-db-5279-01a-01-bs1 tcga-du-6395-01a-01-ts1 tcga-fg-7638-01b-01-bs1
1 1 1
NA's
513

patient.samples.sample.portions.portion.2.slides.slide.bcr_slide_uuid:
6f74a1a4-f73a-4e06-9151-a27bfc664e13 a0ae13d6-9400-45a0-86d6-4087824a3868
1 1
f207492e-bdcd-4f30-bbcf-b3a3c92cc82e NA's
1 513

patient.samples.sample.portions.portion.2.slides.slide.image_file_name:
tcga-db-5279-01a-01-bs1.6f74a1a4-f73a-4e06-9151-a27bfc664e13.svs
1
tcga-du-6395-01a-01-ts1.a0ae13d6-9400-45a0-86d6-4087824a3868.svs
1
tcga-fg-7638-01b-01-bs1.f207492e-bdcd-4f30-bbcf-b3a3c92cc82e.svs
1
NA's
513

patient.samples.sample.portions.portion.2.slides.slide.is_derived_from_ffpe:
no NA's
3 513

patient.samples.sample.portions.portion.2.slides.slide.percent_necrosis:
0 NA's
3 513

patient.samples.sample.portions.portion.2.slides.slide.percent_normal_cells:
0 NA's
3 513

patient.samples.sample.portions.portion.2.slides.slide.percent_stromal_cells:
0 NA's
3 513

patient.samples.sample.portions.portion.2.slides.slide.percent_tumor_cells:
100 NA's
3 513

patient.samples.sample.portions.portion.2.slides.slide.percent_tumor_nuclei:
60 65 80 NA's
1 1 1 513

patient.samples.sample.portions.portion.2.slides.slide.section_location:
 bottom top NA's
 1 2 513

patient.samples.sample.portions.portion.2.weight:
 34 36 NA's
 1 1 514

patient.samples.sample.portions.portion.2.year_of_creation:
 2010 2011 NA's
 1 2 513

patient.samples.sample.portions.portion.analytes.analyte.2.a260_a280_ratio:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 1.500 1.800 1.850 1.844 1.900 2.270 131

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.2.bi
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 1.087e+08 1.323e+08 1.603e+08 3.476e+08 1.641e+08 1.076e+09 4

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.2.ce
 7 13 NA's
 377 135 4

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.2.co
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 0.1300 0.1500 0.1600 0.1579 0.1700 0.1800 4

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.2.da
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 8.00 19.00 25.00 22.27 26.00 30.00 4

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.2.is
 no NA's
 512 4

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.2.mo
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 1.000 4.000 9.000 7.426 10.000 12.000 4

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.2.pl
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 1.000 2.000 3.000 3.865 5.000 12.000 4

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.2.qu
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 1.280 2.000 2.210 2.593 3.400 4.270 4

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.2.so
 22 23 NA's
 219 293 4

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.2.vo
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 8.00 13.00 13.30 16.42 20.00 26.70 4

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.2.ye
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 2010 2011 2013 2012 2013 2014 4

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.3.bi
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 164079919 164082163 164082194 164082093 164082216 164082237 493

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.3.ce
 13 NA's
 23 493

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.3.co
 0.15 0.16 0.17 0.18 NA's
 4 12 5 2 493

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.3.da
 29 NA's
 23 493

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.3.is
 no NA's
 23 493

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.3.mo
 1 NA's
 23 493

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.3.pl
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 2.000 3.000 4.000 4.478 6.000 8.000 493

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.3.pl
 a360 NA's
 23 493

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.3.qu
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 1.950 3.730 3.730 3.641 3.960 4.190 493

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.3.sc
 23 NA's
 23 493

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.3.vo
 13 23.3 NA's
 2 21 493

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.3.ye
 2014 NA's
 23 493

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.bios
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 1.070e+08 1.323e+08 1.604e+08 3.820e+08 1.050e+09 1.076e+09 1

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.cent
 7 8 13 NA's
 135 3 377 1

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.conc
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 0.1300 0.1500 0.1600 0.1599 0.1700 0.5000 1

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.day_
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 8.00 19.00 25.00 22.28 26.00 30.00 1

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.is_d
 no NA's
 515 1

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.mont
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 1.000 4.000 9.000 7.396 10.000 12.000 1

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.plat
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 1.000 2.000 3.000 3.804 5.000 9.000 1

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.quan
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 1.950 2.340 3.000 3.063 3.200 40.000 1

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.sour
 22 23 NA's
 222 293 1

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.volumes
 13 18 20 80 NA's
 135 2 375 3 1

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.years
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 2010 2011 2013 2012 2013 2014 1

patient.samples.sample.portions.portion.analytes.analyte.2.amount:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 0.00 14.15 20.68 38.31 44.51 402.20 1

patient.samples.sample.portions.portion.analytes.analyte.2.analyte_type:
 repli-g (qiagen) dna rna NA's
 3 512 1

patient.samples.sample.portions.portion.analytes.analyte.2.analyte_type_id:
 r w NA's
 512 3 1

patient.samples.sample.portions.portion.analytes.analyte.2.concentration:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 0.1300 0.1500 0.1600 0.1599 0.1700 0.5000 1

patient.samples.sample.portions.portion.analytes.analyte.2.dna.normal_tumor_genes
 yes NA's
 3 513

patient.samples.sample.portions.portion.analytes.analyte.2.dna.pcr_amplification
 no NA's
 3 513

patient.samples.sample.portions.portion.analytes.analyte.2.gel_image_file:
<https://sharedoc.nchri.org/tcga-bcr/default.aspx>
 515
 NA's
 1

patient.samples.sample.portions.portion.analytes.analyte.2.is_derived_from_ffpe:
 no NA's
 515 1

patient.samples.sample.portions.portion.analytes.analyte.2.protocols.protocol.execution
 mirvana (allprep dna) rna repli-g NA's
 512 3 1

patient.samples.sample.portions.portion.analytes.analyte.2.rna.ratio_28s_18s:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 0.000 1.230 1.390 1.388 1.550 2.290 4

patient.samples.sample.portions.portion.analytes.analyte.2.rna.rinvalue:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 7.000 7.400 8.000 8.034 8.600 9.900 4

patient.samples.sample.portions.portion.analytes.analyte.2.spectrophotometer_met
 picogreen uv spec NA's
 1 514 1

patient.samples.sample.portions.portion.analytes.analyte.2.subportion_sequence:
 1 2 3 NA's
 417 55 3 41

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.bios
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 1.070e+08 1.323e+08 1.641e+08 2.700e+08 1.678e+08 1.062e+09 6

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.cent
 8 NA's
 510 6

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.conc
 0.5 NA's
 510 6

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.day_
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 8.00 8.00 19.00 16.69 24.00 30.00 6

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.is_d
 no NA's
 510 6

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.mont
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 1.00 5.00 7.00 5.61 7.00 11.00 6

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.plat
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 1.000 2.000 3.000 3.573 5.000 12.000 6

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.quant
 40 NA's
 510 6

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.sour
 22 23 NA's
 176 334 6

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.volum
 80 NA's
 510 6

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.year
 2011 2012 2013 2014 NA's
 117 59 126 208 6

patient.samples.sample.portions.portion.analytes.analyte.3.amount:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 124.0 161.5 174.0 170.1 184.2 213.0 340

patient.samples.sample.portions.portion.analytes.analyte.3.analyte_type:
 repli-g (qiagen) dna NA's
 510 6

patient.samples.sample.portions.portion.analytes.analyte.3.analyte_type_id:
 w NA's
 510 6

patient.samples.sample.portions.portion.analytes.analyte.3.concentration:
 0.5 NA's
 176 340

patient.samples.sample.portions.portion.analytes.analyte.3.dna.normal_tumor_gene
 yes NA's
 510 6

patient.samples.sample.portions.portion.analytes.analyte.3.dna.pcr_amplification
 no yes NA's
 176 334 6

patient.samples.sample.portions.portion.analytes.analyte.3.gel_image_file:
<https://sharedoc.nchri.org/tcga-bcr/default.aspx>
 510
 NA's
 6

patient.samples.sample.portions.portion.analytes.analyte.3.is_derived_from_ffpe:
 no NA's
 510 6

patient.samples.sample.portions.portion.analytes.analyte.3.protocols.protocol.ex
 repli-g repli-g x NA's
 469 41 6

patient.samples.sample.portions.portion.analytes.analyte.3.spectrophotometer_met
 picogreen uv spec NA's
 120 56 340

patient.samples.sample.portions.portion.analytes.analyte.3.subportion_sequence:
 1 2 3 NA's
 416 54 3 43

patient.samples.sample.portions.portion.analytes.analyte.a260_a280_ratio:
 1.8 1.9 2 NA's
 3 74 3 436

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.2.bios
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 1.087e+08 1.323e+08 1.604e+08 3.825e+08 1.050e+09 1.076e+09 1

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.2.cent
 1 8 NA's
 163 352 1

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.2.conc
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 0.05000 0.07000 0.08000 0.09513 0.14000 0.17000 1

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.2.day_
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 8.00 19.00 25.00 22.25 26.00 30.00 1

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.2.is_d
 no NA's
 515 1

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.2.mont
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 1.000 4.000 9.000 7.437 10.000 12.000 1

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.2.plat
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 1.000 2.000 3.000 3.781 5.000 12.000 1

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.2.quan
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 0.870 1.070 3.000 2.426 3.200 3.600 1

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.2.sour
 22 23 NA's
 222 293 1

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.2.vol
 6.67 6.7 40 60 NA's
 113 50 243 109 1

```

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.2.year
  Min. 1st Qu.  Median      Mean 3rd Qu.    Max.   NA's
2010   2011   2013   2012  2013   2014     1

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.3.bios
  Min. 1st Qu.  Median      Mean 3rd Qu.    Max.   NA's
1.087e+08 1.317e+08 1.539e+08 3.078e+08 1.641e+08 1.062e+09     1

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.3.cent
  5    8 NA's
382 133   1

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.3.conc
  Min. 1st Qu.  Median      Mean 3rd Qu.    Max.   NA's
0.050  0.090  0.150  0.129  0.160  0.170     1

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.3.day_
  Min. 1st Qu.  Median      Mean 3rd Qu.    Max.   NA's
8.00  19.00  25.00  22.25  26.00  30.00     1

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.3.is_d
  no NA's
515   1

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.3.mont
  Min. 1st Qu.  Median      Mean 3rd Qu.    Max.   NA's
1.000  4.000  9.000  7.437 10.000 12.000     1

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.3.plat
  Min. 1st Qu.  Median      Mean 3rd Qu.    Max.   NA's
1.000  2.000  3.000  3.274  4.000  9.000     1

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.3.quant
  Min. 1st Qu.  Median      Mean 3rd Qu.    Max.   NA's
1.300  1.950  2.080  2.386  3.000  4.540     1

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.3.sour
  22  23 NA's
222 293   1

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.3.volu
  Min. 1st Qu.  Median      Mean 3rd Qu.    Max.   NA's
10.00  13.00  13.30  24.04  40.00  60.00     1

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.3.year
  Min. 1st Qu.  Median      Mean 3rd Qu.    Max.   NA's
2010   2011   2013   2012  2013   2014     1

```

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.4.bios
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 1.087e+08 1.507e+08 1.678e+08 4.861e+08 1.050e+09 1.062e+09 287

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.4.cent
 1 2 5 8 NA's
 25 8 83 113 287

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.4.conc
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 0.0500 0.0700 0.1300 0.1099 0.1500 0.1700 287

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.4.day_
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 3.00 15.00 26.00 22.34 30.00 30.00 287

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.4.is_d
 no NA's
 229 287

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.4.mont
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 2.000 4.000 7.000 7.105 10.000 12.000 287

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.4.plat
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 1.000 1.000 3.000 3.572 5.000 12.000 287

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.4.quan
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 0.700 1.070 1.500 1.767 2.000 4.540 287

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.4.sour
 22 23 NA's
 121 108 287

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.4.vol
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 6.70 13.30 13.40 17.68 26.70 40.00 287

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.4.year
 2010 2011 2013 2014 NA's
 30 91 24 84 287

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.5.bios
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's

132268898 164054838 167780065 164468956 167822692 167822783 443

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.5.cent
8 NA's
73 443

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.5.conc
0.07 0.08 0.09 NA's
37 33 3 443

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.5.day_
7 26 30 NA's
4 27 42 443

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.5.is_d
no NA's
73 443

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.5.mont
2 4 10 NA's
27 42 4 443

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.5.plat
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
1.00 2.00 4.00 4.37 6.00 11.00 443

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.5.quant
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
0.800 0.940 0.940 1.023 1.070 1.800 443

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.5.sour
23 NA's
73 443

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.5.vol
10 13.4 20 NA's
4 65 4 443

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.5.year
2013 2014 NA's
4 69 443

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.6.bios
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
167779706 167780128 167804262 167798089 167811270 167812137 505

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.6.cent
8 9 NA's


```

10      1  505

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.6.conc
0.07 0.08 0.09 NA's
      4    5    2  505

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.6.day_
  Min. 1st Qu.  Median      Mean 3rd Qu.    Max.    NA's
  2.00   7.50   8.00   16.45  30.00   30.00   505

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.6.is_d
no NA's
11  505

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.6.mont
  Min. 1st Qu.  Median      Mean 3rd Qu.    Max.    NA's
  1.000   4.000   7.000   6.364   8.500  12.000   505

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.6.plat
  Min. 1st Qu.  Median      Mean 3rd Qu.    Max.    NA's
  1.000   1.000   2.000   2.364   3.500   5.000   505

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.6.quant
  Min. 1st Qu.  Median      Mean 3rd Qu.    Max.    NA's
  0.8000  0.9400  0.9400  0.9973  1.0700  1.2100   505

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.6.sour
23 NA's
11  505

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.6.volun
10 13.2 13.4 NA's
  2    1    8  505

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.6.year
2014 2015 NA's
10    1  505

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.7.bcr_
tcga-db-5278-01a-01d-a46a-09 tcga-du-5870-01a-11d-a461-08
                                1                                1
tcga-du-6397-01a-11d-a461-08 tcga-du-6404-01a-11d-a461-08
                                1                                1
                                NA's
                                512

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.7.bcr_
77909413-9323-4916-bb9f-a8e578342333 8efa4e9e-f222-4ccb-bf34-32443183bd7f
                                1                                1
a3dce351-5357-42b1-af0d-9865b33a9608 e24bc524-4f82-4fc8-aa20-0b64c9b74762

```

```

1
NA's
512

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.7.bios
167811270 167811272 167811802 167814084 NA's
1 1 1 1 512

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.7.cent
8 9 NA's
3 1 512

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.7.conc
0.07 0.08 NA's
2 2 512

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.7.day_
7 21 NA's
3 1 512

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.7.is_d
no NA's
4 512

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.7.mont
1 10 NA's
1 3 512

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.7.plat
1 NA's
4 512

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.7.plat
a461 a46a NA's
3 1 512

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.7.plat
a c g h NA's
1 1 1 1 512

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.7.quan
0.7 0.8 1.07 NA's
2 1 1 512

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.7.sour
23 NA's
4 512

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.7.volu
10 13.4 NA's
3 1 512

```

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.7.years
 2014 2015 NA's
 3 1 512

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.biospe
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 1.040e+08 1.456e+08 1.539e+08 3.285e+08 1.641e+08 1.076e+09 1

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.center
 1 2 5 NA's
 352 113 50 1

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.concen
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 0.1300 0.1400 0.1500 0.1524 0.1600 0.1700 1

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.day_of
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 8.00 19.00 25.00 22.25 26.00 30.00 1

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.is_der
 no NA's
 515 1

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.month_0
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 1.000 4.000 9.000 7.437 10.000 12.000 1

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.plate_0
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 1.000 2.000 3.000 3.767 5.000 12.000 1

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.quantit
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 0.870 1.010 1.070 1.279 1.500 2.260 1

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.source
 22 23 NA's
 222 293 1

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.volum
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 6.670 6.700 6.700 8.399 10.000 13.300 1

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.year_o
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 2010 2011 2013 2012 2013 2014 1

patient.samples.sample.portions.portion.analytes.analyte.amount:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0.00	16.49	29.86	74.50	99.85	638.00	1

patient.samples.sample.portions.portion.analytes.analyte.analyte_type:

dna	NA's
515	1

patient.samples.sample.portions.portion.analytes.analyte.analyte_type_id:

d	NA's
515	1

patient.samples.sample.portions.portion.analytes.analyte.concentration:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0.1300	0.1400	0.1500	0.1524	0.1600	0.1700	1

patient.samples.sample.portions.portion.analytes.analyte.dna.normal_tumor_genoty

yes	NA's
515	1

patient.samples.sample.portions.portion.analytes.analyte.dna.pcr_amplification_s

no	yes	NA's
222	293	1

patient.samples.sample.portions.portion.analytes.analyte.gel_image_file:

https://sharedoc.nchri.org/tcga-bcr/default.aspx
515
NA's
1

patient.samples.sample.portions.portion.analytes.analyte.is_derived_from_ffpe:

no	NA's
515	1

patient.samples.sample.portions.portion.analytes.analyte.protocols.protocol.expe

adna preparation type	NA's
515	1

patient.samples.sample.portions.portion.analytes.analyte.spectrophotometer_metho

picogreen	uv spec	NA's
435	80	1

patient.samples.sample.portions.portion.analytes.analyte.subportion_sequence:

1	2	3	NA's
418	55	3	40

patient.samples.sample.portions.portion.day_of_creation:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
------	---------	--------	------	---------	------	------

1.00	8.00	18.00	16.22	22.00	30.00	1
------	------	-------	-------	-------	-------	---

patient.samples.sample.portions.portion.is_ffpe:

no NA's

515	1
-----	---

patient.samples.sample.portions.portion.month_of_creation:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
------	---------	--------	------	---------	------	------

1.000	4.000	9.000	7.569	10.000	12.000	1
-------	-------	-------	-------	--------	--------	---

patient.samples.sample.portions.portion.portion_number:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
------	---------	--------	------	---------	------	------

1.00	11.00	11.00	11.36	11.00	51.00	1
------	-------	-------	-------	-------	-------	---

patient.samples.sample.portions.portion.portion_sequence:

1	2	3	5	NA's
---	---	---	---	------

260	30	1	1	224
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patient.samples.sample.portions.portion.slides.slide.2.is_derived_from_ffpe:

no NA's

195	321
-----	-----

patient.samples.sample.portions.portion.slides.slide.2.percent_necrosis:

0 NA's

195	321
-----	-----

patient.samples.sample.portions.portion.slides.slide.2.percent_normal_cells:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
------	---------	--------	------	---------	------	------

0.0000	0.0000	0.0000	0.5567	0.0000	30.0000	322
--------	--------	--------	--------	--------	---------	-----

patient.samples.sample.portions.portion.slides.slide.2.percent_stromal_cells:

0	5	10	12	NA's
---	---	----	----	------

188	4	1	1	322
-----	---	---	---	-----

patient.samples.sample.portions.portion.slides.slide.2.percent_tumor_cells:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
------	---------	--------	------	---------	------	------

70.00	100.00	100.00	99.22	100.00	100.00	323
-------	--------	--------	-------	--------	--------	-----

patient.samples.sample.portions.portion.slides.slide.2.percent_tumor_nuclei:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
------	---------	--------	------	---------	------	------

55.00	65.00	75.00	72.95	80.00	85.00	321
-------	-------	-------	-------	-------	-------	-----

patient.samples.sample.portions.portion.slides.slide.2.section_location:

bottom	top	NA's
--------	-----	------

3	192	321
---	-----	-----

```

patient.samples.sample.portions.portion.slides.slide.is_derived_from_ffpe:
  no NA's
  514    2

patient.samples.sample.portions.portion.slides.slide.percent_lymphocyte_infiltra
  0    2    5 NA's
  281  2    9  224

patient.samples.sample.portions.portion.slides.slide.percent_monocyte_infiltrati
  0    2    5 NA's
  287  1    4  224

patient.samples.sample.portions.portion.slides.slide.percent_necrosis:
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.    NA's
  0.0000 0.0000  0.0000  0.1465  0.0000  20.0000    4

patient.samples.sample.portions.portion.slides.slide.percent_neutrophil_infiltra
  0 NA's
  292  224

patient.samples.sample.portions.portion.slides.slide.percent_normal_cells:
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.    NA's
  0.000  0.000   5.000   6.433  10.000   85.000    6

patient.samples.sample.portions.portion.slides.slide.percent_stromal_cells:
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.    NA's
  0.00  0.00  15.00  21.53  40.00  85.00    6

patient.samples.sample.portions.portion.slides.slide.percent_tumor_cells:
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.    NA's
  10.00  50.00  75.00  71.83  100.00  100.00    7

patient.samples.sample.portions.portion.slides.slide.percent_tumor_nuclei:
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.    NA's
  10.00  70.00  80.00  77.42  85.00  95.00    4

patient.samples.sample.portions.portion.slides.slide.section_location:
  bottom    top    NA's
  192     322     2

patient.samples.sample.portions.portion.weight:
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.    NA's
  10.00  30.00  30.00  31.72  34.00  46.00    4

patient.samples.sample.portions.portion.year_of_creation:
  2010 2011 2012 2013 NA's
  34  145  61  275  1

patient.samples.sample.portions.shipment_portion.center_id:
  20 NA's
  428  88

```

patient.samples.sample.portions.shipment_portion.is_ffpe:
 no NA's
 428 88

patient.samples.sample.portions.shipment_portion.portion_number:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 11.00 21.00 21.00 20.82 21.00 61.00 88

patient.samples.sample.portions.shipment_portion.portion_sequence:
 1 2 3 6 NA's
 22 397 3 1 93

patient.samples.sample.portions.shipment_portion.shipment_portion_day_of_shipment:
 9 14 NA's
 170 258 88

patient.samples.sample.portions.shipment_portion.shipment_portion_month_of_shipment:
 5 7 NA's
 258 170 88

patient.samples.sample.portions.shipment_portion.shipment_portion_year_of_shipment:
 2013 2014 NA's
 258 170 88

patient.samples.sample.sample_type:
 primary tumor NA's
 515 1

patient.samples.sample.sample_type_id:
 1 NA's
 515 1

patient.samples.sample.shortest_dimension:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 0.1000 0.4000 0.6000 0.5689 0.7000 1.0000 294

patient.samples.sample.vial_number:
 a b NA's
 504 11 1

Study:
 Brain Lower Grade Glioma
 516

BCR:
 IGC NCH
 352 164

Whole.exome:

Yes
516

Whole.genome:

No Yes
426 90

RNAseq:

No Yes
3 513

SNP6:

No Yes
3 513

U133a:

No
516

HM450:

Yes
516

HM27:

No
516

RPPA:

No Yes
258 258

Histology:

astrocytoma	oligoastrocytoma	oligodendroglioma	NA's
169	114	174	59

Grade:

G2	G3	NA's
216	241	59

Age..years.at.diagnosis.:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
14.00	33.00	41.00	43.16	53.00	87.00	59

Gender:

female	male	NA's
201	256	59

Survival..months.:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
-0.03285	5.88103	14.68614	24.70609	30.06223	211.02702	59

Vital.status..1.dead.:

0	1	NA's
377	80	59

Karnofsky.Performance.Score:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
40.00	80.00	90.00	87.71	100.00	100.00	254

Mutation.Count:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0.00	18.00	25.00	52.79	37.00	12255.00	3

Percent.aneuploidy:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0.000006	0.054296	0.102943	0.143381	0.170786	0.947728	16

IDH.status:

Mutant	WT	NA's
419	94	3

X1p.19q.codeletion:

codel	non-codel
169	347

IDH.codel.subtype:

IDHmut-codel	IDHmut-non-codel	IDHwt	NA's
169	250	94	3

MGMT.promoter.status:

Methylated	Unmethylated
425	91

Chr.7.gain.Chr.10.loss:

Gain chr 7 & loss chr 10	No combined CNA	NA's
55	458	3

Chr.19.20.co.gain:

Gain chr 19/20	No chr 19/20 gain	NA's
12	501	3

TERT.promoter.status:

Mutant	WT	NA's
130	162	224

TERT.expression..log2.:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0.000	0.000	1.000	1.957	3.700	9.077	3

TERT.expression.status:

Expressed	Not expressed	NA's
224	289	3

ATRX.status:

Mutant	WT	NA's
188	325	3

DAXX.status:

Mutant	WT	NA's
1	512	3

Telomere.Maintenance:

-/-	ATRX	TERT	NA's
52	110	126	228

BRAF.V600E.status:

Mutant	WT	NA's
1	512	3

BRAF.KIAA1549.fusion:

Fusion	WT	NA's
1	512	3

ABSOLUTE.purity:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0.1600	0.6100	0.7600	0.7241	0.8600	1.0000	98

ABSOLUTE.ploidy:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1.490	1.950	2.050	2.816	3.860	8.330	98

ESTIMATE.stromal.score:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
-617.9	102.3	418.4	503.1	821.6	3945.0	3

ESTIMATE.immune.score:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
-1122.4	131.0	723.4	832.6	1464.6	4314.7	3

ESTIMATE.combined.score:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
-1670.0	235.8	1135.0	1335.8	2214.0	7626.8	3

Original.Subtype:

IDHmut-codel	IDHmut-non-codel	IDHwt	NA's
169	249	95	3

Transcriptome.Subtype:

CL	ME	NE	PN	NA's
37	31	105	220	123

Pan.Glioma.RNA.Expression.Cluster:

LGr1	LGr2	LGr3	LGr4	NA's
122	86	228	77	3

RPPA.cluster:

K1	K2	NA's
26	232	258

Telomere.length.estimate.in.blood.normal..Kb.:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1.419	4.184	5.139	5.286	5.957	10.640	427

Telomere.length.estimate.in.tumor..Kb.:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0.4822	2.6696	5.1528	6.6422	8.9216	29.2683	429

LIHC

Liver hepatocellular carcinoma

Description

A document describing the TCGA cancer code

Details

```
> experiments( LIHC )
ExperimentList class object of length 10:
 [1] CNASNP-20160128: RaggedExperiment with 363628 rows and 760 columns
 [2] CNVSNP-20160128: RaggedExperiment with 93328 rows and 760 columns
 [3] GISTIC_AllByGene-20160128: SummarizedExperiment with 24776 rows and 370 columns
 [4] GISTIC_ThresholdedByGene-20160128: SummarizedExperiment with 24776 rows and 370 columns
 [5] Methylation-20160128: SummarizedExperiment with 485577 rows and 429 columns
 [6] miRNASeqGene-20160128: SummarizedExperiment with 1046 rows and 424 columns
 [7] Mutation-20160128: RaggedExperiment with 27892 rows and 198 columns
 [8] RNASeq2GeneNorm-20160128: SummarizedExperiment with 20501 rows and 423 columns
 [9] RNASeqGene-20160128: SummarizedExperiment with 20502 rows and 26 columns
 [10] RPPAArray-20160128: SummarizedExperiment with 219 rows and 184 columns

> rownames( LIHC )
CharacterList of length 10
[["CNASNP-20160128"]] character(0)
[["CNVSNP-20160128"]] character(0)
[["GISTIC_AllByGene-20160128"]] ACAP3 ACTRT2 ... WASIR1|ENSG00000185203.7
[["GISTIC_ThresholdedByGene-20160128"]] ACAP3 ... WASIR1|ENSG00000185203.7
[["Methylation-20160128"]] cg00000029 cg00000108 ... rs966367 rs9839873
[["miRNASeqGene-20160128"]] hsa-let-7a-1 hsa-let-7a-2 ... hsa-mir-99b
[["Mutation-20160128"]] character(0)
[["RNASeq2GeneNorm-20160128"]] A1BG A1CF A2BP1 A2LD1 ... ZZZ3 psiTPTE22 tAKR
[["RNASeqGene-20160128"]] A1BG A1CF A2BP1 A2LD1 ... ZZEF1 ZZZ3 psiTPTE22 tAKR
```

```
[["RPPAArray-20160128"]] 14-3-3_beta 14-3-3_epsilon ... p90RSK_pT359_S363
```

```
> colnames( LIHC )
```

```
CharacterList of length 10
```

```
[["CNASNP-20160128"]] TCGA-2V-A95S-01A-11D-A36W-01 ...
[["CNVSNP-20160128"]] TCGA-2V-A95S-01A-11D-A36W-01 ...
[["GISTIC_AllByGene-20160128"]] TCGA-2V-A95S-01A-11D-A36W-01 ...
[["GISTIC_ThresholdedByGene-20160128"]] TCGA-2V-A95S-01A-11D-A36W-01 ...
[["Methylation-20160128"]] TCGA-2V-A95S-01A-11D-A36Y-05 ...
[["miRNASeqGene-20160128"]] TCGA-2V-A95S-01A-11R-A37G-13 ...
[["Mutation-20160128"]] TCGA-BC-4073-01B-02D-A12Z-10 ...
[["RNASeq2GeneNorm-20160128"]] TCGA-2V-A95S-01A-11R-A37K-07 ...
[["RNASeqGene-20160128"]] TCGA-BC-4073-01B-02R-A131-07 ...
[["RPPAArray-20160128"]] TCGA-BC-4072-01B-21-A40L-20 ...
```

```
Sizes of each ExperimentList element:
```

	assay	size.Mb
1	CNASNP-20160128	9.9 Mb
2	CNVSNP-20160128	2.7 Mb
3	GISTIC_AllByGene-20160128	4.3 Mb
4	GISTIC_ThresholdedByGene-20160128	4.3 Mb
5	Methylation-20160128	67.5 Mb
6	miRNASeqGene-20160128	0.1 Mb
7	Mutation-20160128	15.9 Mb
8	RNASeq2GeneNorm-20160128	1.2 Mb
9	RNASeqGene-20160128	1.1 Mb
10	RPPAArray-20160128	0 Mb

```
-----
Overall survival time-to-event summary (in years):
-----
```

```
Call: survfit(formula = survival::Surv(colDat$days_to_death/365, colDat$vital_status - 1)
```

```
245 observations deleted due to missingness
      n events median 0.95LCL 0.95UCL
132.000 132.000  1.144  0.956  1.633
```

```
-----
Available sample meta-data:
-----
```

```
years_to_birth:
```

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
16.00	51.00	61.00	59.27	69.00	87.00	4

```
vital_status:
```

```
0  1
```

245 132

days_to_death:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
9.0	194.8	417.5	672.1	837.0	3258.0	245

days_to_last_followup:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0.0	395.8	649.5	885.8	1222.0	3675.0	133

tumor_tissue_site:

liver

377

pathology_N_stage:

n0	n1	nx	NA's
257	4	115	1

pathology_M_stage:

m0	m1	mx
272	4	101

gender:

female	male
122	255

date_of_initial_pathologic_diagnosis:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1995	2008	2011	2010	2012	2013	3

radiation_therapy:

no	yes	NA's
345	9	23

histological_type:

fibrolamellar carcinoma	3	hepatocellular carcinoma	367
hepatocholangiocarcinoma (mixed)	7		

residual_tumor:

r0	r1	r2	rx	NA's
330	17	1	22	7

race:

american indian or alaska native	2	asian	161
black or african american	17	white	187
NA's			

10

```

ethnicity:
  hispanic or latino not hispanic or latino      NA's
                18                          340                19

admin.bcr:
nationwide children's hospital
                377

admin.day_of_dcc_upload:
  1
377

admin.disease_code:
lihc
  377

admin.month_of_dcc_upload:
  10
377

admin.patient_withdrawal.withdrawn:
false
  377

admin.project_code:
tcga
  377

admin.year_of_dcc_upload:
2015
  377

patient.ablation_embolization_tx_adjuvant:
  no  yes NA's
236  13 128

patient.adjacent_hepatic_tissue_inflammation_extent_type:
  mild  none severe  NA's
  101   119   19   138

patient.age_at_initial_pathologic_diagnosis:
  Min. 1st Qu.  Median    Mean 3rd Qu.  Max.  NA's
  16.00  51.00  61.00  59.45  69.00  90.00  1

patient.cancer_diagnosis_first_degree_relative_number:
  Min. 1st Qu.  Median    Mean 3rd Qu.  Max.  NA's
  0.000  1.000  1.000  1.737  2.000  9.000  259

```

```

patient.child_pugh_classification_grade:
  a    b    c NA's
 223  21    1 132

patient.clinical_cqcf.consent_or_death_status:
consented  deceased
          342          35

patient.clinical_cqcf.days_to_consent:
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.    NA's
-731.00  -5.00   -1.00   69.06   0.00 1552.00    38

patient.clinical_cqcf.days_to_death:
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.    NA's
  11.0  223.5   643.0   852.1 1033.0  3258.0   342

patient.clinical_cqcf.history_of_neoadjuvant_treatment:
no
374
yes, both radiation and pharmaceutical treatment prior to resection
1
yes, pharmaceutical treatment prior to resection
2

patient.clinical_cqcf.normal_tissue_anatomic_site:
liver other NA's
 184     6   187

patient.clinical_cqcf.normal_tissue_proximity:
distal (>2cm)    NA's
          191          186

patient.clinical_cqcf.tumor_type:
primary
377

patient.day_of_form_completion:
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.
  1.00   7.00   15.00   16.44  26.00   31.00

patient.days_to_birth:
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.    NA's
-32120 -25254 -22457 -21834 -18935 -5862     4

patient.days_to_death:
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.    NA's
  9.0  182.5   556.0   758.6 1141.0  3258.0   286

patient.days_to_definitive_surgical_procedure_performed:
0 NA's

```

374 3

patient.days_to_initial_pathologic_diagnosis:

0 NA's

376 1

patient.days_to_last_followup:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
-8.0	27.0	295.0	558.7	808.0	3675.0	92

patient.drugs.drug.2.clinical_trail_drug_classification:

torcl/2 inhibitor NA's

1 376

patient.drugs.drug.2.day_of_form_completion:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1.00	3.75	13.50	11.25	17.25	22.00	365

patient.drugs.drug.2.days_to_drug_therapy_end:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
207.0	378.8	508.0	653.1	817.0	1425.0	369

patient.drugs.drug.2.days_to_drug_therapy_start:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
25.0	139.5	327.5	383.6	511.8	1349.0	365

patient.drugs.drug.2.measure_of_response:

clinical progressive disease partial response

3 2

stable disease NA's

2 370

patient.drugs.drug.2.month_of_form_completion:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1.000	4.000	6.500	6.083	8.000	11.000	365

patient.drugs.drug.2.prescribed_dose:

200 NA's

1 376

patient.drugs.drug.2.prescribed_dose_units:

mg NA's

1 376

patient.drugs.drug.2.regimen_indication:

other: specify in notes progression

1 1

NA's

375

patient.drugs.drug.2.regimen_indication_notes:


```

dose reduction                NA's
      1                376

patient.drugs.drug.2.regimen_number:
      1      2 NA's
      1      1 375

patient.drugs.drug.2.route_of_administrations.route_of_administration:
oral NA's
      1 376

patient.drugs.drug.2.therapy_ongoing:
      no  yes NA's
      9   3 365

patient.drugs.drug.2.therapy_types.therapy_type:
      chemotherapy                hormone therapy
      8                            1
targeted molecular therapy                NA's
      1                            367

patient.drugs.drug.2.total_dose:
400 NA's
      1 376

patient.drugs.drug.2.total_dose_units:
mg/day  NA's
      1 376

patient.drugs.drug.2.tx_on_clinical_trial:
      no  yes NA's
      6   4 367

patient.drugs.drug.2.year_of_form_completion:
      Min. 1st Qu.  Median    Mean 3rd Qu.    Max.    NA's
      2011   2013   2013    2013   2014   2015    365

patient.drugs.drug.3.day_of_form_completion:
      Min. 1st Qu.  Median    Mean 3rd Qu.    Max.    NA's
      1.00   3.50   15.00   13.71  21.00   31.00    370

patient.drugs.drug.3.days_to_drug_therapy_end:
      Min. 1st Qu.  Median    Mean 3rd Qu.    Max.    NA's
      217.0  534.5  791.5  947.8 1349.2 1903.0    371

patient.drugs.drug.3.days_to_drug_therapy_start:
      Min. 1st Qu.  Median    Mean 3rd Qu.    Max.    NA's
      217.0  482.5  498.0  805.0 1135.0 1685.0    370

```

```

patient.drugs.drug.3.measure_of_response:
clinical progressive disease      stable disease
                                3                          2
                                NA's
                                372

patient.drugs.drug.3.month_of_form_completion:
  Min. 1st Qu.  Median    Mean 3rd Qu.  Max.  NA's
  4.000  5.500   7.000   7.429  9.000  12.000  370

patient.drugs.drug.3.number_cycles:
  1 NA's
  1 376

patient.drugs.drug.3.prescribed_dose:
  20 NA's
  1 376

patient.drugs.drug.3.prescribed_dose_units:
  mg NA's
  1 376

patient.drugs.drug.3.regimen_indication:
  adjuvant      NA's
  1             376

patient.drugs.drug.3.regimen_number:
  1 NA's
  1 376

patient.drugs.drug.3.route_of_administrations.route_of_administration:
  intrahepatic      NA's
  1                 376

patient.drugs.drug.3.therapy_ongoing:
  no  yes NA's
  6   1 370

patient.drugs.drug.3.therapy_types.therapy_type:
  chemotherapy      hormone therapy
  4                 1
  other, specify targeted molecular therapy
  1                 1
  NA's
  370

patient.drugs.drug.3.therapy_types.therapy_type_notes:
  chemoembolization      NA's
  1                       376

patient.drugs.drug.3.total_dose:
  20 NA's

```

1 376

patient.drugs.drug.3.total_dose_units:

mg NA's

1 376

patient.drugs.drug.3.tx_on_clinical_trial:

no yes NA's

2 4 371

patient.drugs.drug.3.year_of_form_completion:

2011 2013 2014 NA's

1 3 3 370

patient.drugs.drug.4.bcr_drug_barcode:

tcga-bc-a10q-d10102 tcga-dd-a4ns-d59877 tcga-ub-a7ma-d67138 tcga-ub-a7mb-d63689

1

1

1

1

NA's

373

patient.drugs.drug.4.bcr_drug_uuid:

008cfe07-942d-4ead-b4f7-d21ba4f9bf5d 36919e0e-fe64-42da-a63c-712e27f3af55

1

1

4941edda-d11c-43c2-b550-76dae03c8034 e5e8b541-f299-40df-a792-7514b166b09f

1

1

NA's

373

patient.drugs.drug.4.day_of_form_completion:

7 15 22 31 NA's

1 1 1 1 373

patient.drugs.drug.4.days_to_drug_therapy_end:

510 751 1425 NA's

1 1 1 374

patient.drugs.drug.4.days_to_drug_therapy_start:

426 480 485 1349 NA's

1 1 1 1 373

patient.drugs.drug.4.drug_name:

gemcitabine oxaliplatin sorafenib temozolomide NA's

1

1

1

1

NA's

373

patient.drugs.drug.4.measure_of_response:

clinical progressive disease

2

NA's

375

patient.drugs.drug.4.month_of_form_completion:

4 5 8 10 NA's

1 1 1 1 373

```

patient.drugs.drug.4.regimen_indication:
progression          NA's
      1             376

patient.drugs.drug.4.regimen_number:
      2 NA's
      1 376

patient.drugs.drug.4.therapy_ongoing:
      no  yes NA's
      3   1 373

patient.drugs.drug.4.therapy_types.therapy_type:
      chemotherapy targeted molecular therapy
      3                                     1
      NA's
      373

patient.drugs.drug.4.tx_on_clinical_trial:
      no  yes NA's
      1   2 374

patient.drugs.drug.4.year_of_form_completion:
2011 2014 NA's
      1   3 373

patient.drugs.drug.5.bcr_drug_barcode:
tcga-ub-a7mb-d63690          NA's
      1                     376

patient.drugs.drug.5.bcr_drug_uuid:
0a33c84d-d75a-4ea7-9abd-8ef3bb748571          NA's
      1                                         376

patient.drugs.drug.5.clinical_trial_drug_classification:
imid NA's
      1 376

patient.drugs.drug.5.day_of_form_completion:
      15 NA's
      1 376

patient.drugs.drug.5.days_to_drug_therapy_start:
      525 NA's
      1 376

patient.drugs.drug.5.month_of_form_completion:
      8 NA's
      1 376

patient.drugs.drug.5.therapy_ongoing:
      yes NA's

```

1 376

patient.drugs.drug.5.therapy_types.therapy_type:
 targeted molecular therapy NA's
 1 376

patient.drugs.drug.5.tx_on_clinical_trial:
 yes NA's
 1 376

patient.drugs.drug.5.year_of_form_completion:
 2014 NA's
 1 376

patient.drugs.drug.clinical_trail_drug_classification:
 chemotherapy phase ii phase iii
 1 2 1
 sunitinib vs sorafenib NA's
 1 372

patient.drugs.drug.day_of_form_completion:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 1.00 7.00 13.50 12.88 17.75 27.00 335

patient.drugs.drug.days_to_drug_therapy_end:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 85.0 217.8 358.0 524.9 664.0 2304.0 345

patient.drugs.drug.days_to_drug_therapy_start:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 20.0 132.5 232.0 362.6 390.2 2233.0 335

patient.drugs.drug.measure_of_response:
 clinical progressive disease complete response
 18 2
 partial response stable disease
 3 2
 NA's
 352

patient.drugs.drug.month_of_form_completion:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 1.000 4.000 5.000 5.691 7.750 12.000 335

patient.drugs.drug.number_cycles:
 1 NA's
 3 374

patient.drugs.drug.prescribed_dose:

5 400 NA's
1 1 375

patient.drugs.drug.prescribed_dose_units:
mg NA's
2 375

patient.drugs.drug.regimen_indication:
adjuvant progression NA's
2 2 373

patient.drugs.drug.regimen_number:
1 NA's
4 373

patient.drugs.drug.route_of_administrations.route_of_administration:
intrahepatic oral NA's
2 1 374

patient.drugs.drug.therapy_ongoing:
no yes NA's
33 9 335

patient.drugs.drug.therapy_types.therapy_type:
ancillary chemotherapy
1 31
other, specify targeted molecular therapy
2 6
NA's
337

patient.drugs.drug.therapy_types.therapy_type_notes:
chemoembolization NA's
2 375

patient.drugs.drug.total_dose:
5 800 NA's
1 1 375

patient.drugs.drug.total_dose_units:
mg mg/day NA's
1 1 375

patient.drugs.drug.tx_on_clinical_trial:
no yes NA's
33 5 339

patient.drugs.drug.year_of_form_completion:
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
2010 2013 2013 2013 2014 2015 335

patient.eastern_cancer_oncology_group:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0.0000	0.0000	0.0000	0.6348	1.0000	4.0000	84

patient.ethnicity:

hispanic or latino	not hispanic or latino	NA's
18	340	19

patient.follow_ups.follow_up.2.ablation_embolization_tx_adjuvant:

no	yes	NA's
24	2	351

patient.follow_ups.follow_up.2.day_of_form_completion:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
2.0	13.0	17.0	17.3	21.5	30.0	350

patient.follow_ups.follow_up.2.days_to_death:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
596.0	627.0	711.0	819.2	765.0	1397.0	372

patient.follow_ups.follow_up.2.days_to_last_followup:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
449.0	803.2	909.5	1125.4	979.5	3308.0	355

patient.follow_ups.follow_up.2.followup_case_report_form_submission_reason:

scheduled follow-up submission	NA's
1	376

patient.follow_ups.follow_up.2.lost_follow_up:

no	yes	NA's
22	3	352

patient.follow_ups.follow_up.2.month_of_form_completion:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1.000	3.000	4.000	4.519	5.000	11.000	350

patient.follow_ups.follow_up.2.new_tumor_events.new_tumor_event.2.additional_phases:

no	NA's
2	375

patient.follow_ups.follow_up.2.new_tumor_events.new_tumor_event.2.additional_radotherapies:

no	NA's
2	375

patient.follow_ups.follow_up.2.new_tumor_events.new_tumor_event.2.days_to_new_tumor_event:

656	2742	NA's
1	1	375

patient.follow_ups.follow_up.2.new_tumor_events.new_tumor_event.2.new_neoplasm_event:

liver	NA's
2	375

```

patient.follow_ups.follow_up.2.new_tumor_events.new_tumor_event.2.new_neoplasm_e
intrahepatic recurrence locoregional recurrence NA's
1 1 375

patient.follow_ups.follow_up.2.new_tumor_events.new_tumor_event.2.new_tumor_event
no yes NA's
1 1 375

patient.follow_ups.follow_up.2.new_tumor_events.new_tumor_event.2.new_tumor_event
no NA's
2 375

patient.follow_ups.follow_up.2.new_tumor_events.new_tumor_event.2.new_tumor_event
no NA's
2 375

patient.follow_ups.follow_up.2.new_tumor_events.new_tumor_event.additional_pharm
no yes NA's
7 2 368

patient.follow_ups.follow_up.2.new_tumor_events.new_tumor_event.additional_radia
no yes NA's
7 2 368

patient.follow_ups.follow_up.2.new_tumor_events.new_tumor_event.days_to_new_tumo
433 913 NA's
1 1 375

patient.follow_ups.follow_up.2.new_tumor_events.new_tumor_event.days_to_new_tumo
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
161 239 433 533 656 1286 368

patient.follow_ups.follow_up.2.new_tumor_events.new_tumor_event.new_neoplasm_eve
extrahepatic recurrence intrahepatic recurrence locoregional recurrence
5 3 1
NA's
368

patient.follow_ups.follow_up.2.new_tumor_events.new_tumor_event.new_neoplasm_occ
adrenal retroperitoneal lymph nodes
1 1
NA's
375

patient.follow_ups.follow_up.2.new_tumor_events.new_tumor_event.new_tumor_event
no yes NA's
5 4 368

patient.follow_ups.follow_up.2.new_tumor_events.new_tumor_event.new_tumor_event
no yes NA's

```


7 2 368

patient.follow_ups.follow_up.2.new_tumor_events.new_tumor_event.new_tumor_event
no NA's
9 368

patient.follow_ups.follow_up.2.new_tumor_events.new_tumor_event.residual_disease
r0 NA's
1 376

patient.follow_ups.follow_up.2.new_tumor_events.new_tumor_event_after_initial_tr
no yes NA's
16 10 351

patient.follow_ups.follow_up.2.person_neoplasm_cancer_status:
tumor free with tumor NA's
14 11 352

patient.follow_ups.follow_up.2.postoperative_rx_tx:
no yes NA's
25 1 351

patient.follow_ups.follow_up.2.radiation_therapy:
no yes NA's
24 2 351

patient.follow_ups.follow_up.2.vital_status:
alive dead NA's
22 5 350

patient.follow_ups.follow_up.2.year_of_form_completion:
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
2011 2014 2014 2014 2015 2015 350

patient.follow_ups.follow_up.3.ablation_embolization_tx_adjuvant:
no NA's
1 376

patient.follow_ups.follow_up.3.bcr_followup_barcode:
tcga-dd-a4nl-f59644 tcga-zp-a9d0-f68255 NA's
1 1 375

patient.follow_ups.follow_up.3.bcr_followup_uuid:
62e6fcc5-e450-49b3-8cbe-80757071734f 79b3dc1f-c7ee-48b6-af43-c3e51f504a57
1 1
NA's
375

patient.follow_ups.follow_up.3.day_of_form_completion:
14 16 NA's
1 1 375

patient.follow_ups.follow_up.3.days_to_last_followup:

909 NA's
1 376

patient.follow_ups.follow_up.3.lost_follow_up:

no yes NA's
1 1 375

patient.follow_ups.follow_up.3.month_of_form_completion:

7 11 NA's
1 1 375

patient.follow_ups.follow_up.3.new_tumor_events.new_tumor_event_after_initial_tr

no NA's
1 376

patient.follow_ups.follow_up.3.person_neoplasm_cancer_status:

tumor free NA's
1 376

patient.follow_ups.follow_up.3.postoperative_rx_tx:

no NA's
1 376

patient.follow_ups.follow_up.3.radiation_therapy:

no NA's
1 376

patient.follow_ups.follow_up.3.vital_status:

alive NA's
1 376

patient.follow_ups.follow_up.3.year_of_form_completion:

2014 NA's
2 375

patient.follow_ups.follow_up.4.ablation_embolization_tx_adjuvant:

no NA's
1 376

patient.follow_ups.follow_up.4.bcr_followup_barcode:

tcga-zp-a9d0-f69077 NA's
1 376

patient.follow_ups.follow_up.4.bcr_followup_uuid:

e6f3de6d-7d7b-4e8d-b369-1f7a5edd760e NA's
1 376

patient.follow_ups.follow_up.4.day_of_form_completion:

29 NA's
1 376

patient.follow_ups.follow_up.4.days_to_last_followup:

1091 NA's

1 376

patient.follow_ups.follow_up.4.lost_follow_up:

no NA's

1 376

patient.follow_ups.follow_up.4.month_of_form_completion:

12 NA's

1 376

patient.follow_ups.follow_up.4.new_tumor_events.new_tumor_event_after_initial_tr

no NA's

1 376

patient.follow_ups.follow_up.4.person_neoplasm_cancer_status:

tumor free NA's

1 376

patient.follow_ups.follow_up.4.postoperative_rx_tx:

no NA's

1 376

patient.follow_ups.follow_up.4.radiation_therapy:

no NA's

1 376

patient.follow_ups.follow_up.4.vital_status:

alive NA's

1 376

patient.follow_ups.follow_up.4.year_of_form_completion:

2014 NA's

1 376

patient.follow_ups.follow_up.ablation_embolization_tx_adjuvant:

no yes NA's

275 25 77

patient.follow_ups.follow_up.day_of_form_completion:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1.00	10.00	17.00	16.95	23.00	31.00	52

patient.follow_ups.follow_up.days_to_death:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
9.0	199.8	383.5	683.7	837.0	3258.0	283

patient.follow_ups.follow_up.days_to_last_followup:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's

8.0 406.0 641.0 916.6 1281.8 3675.0 151

patient.follow_ups.follow_up.followup_case_report_form_submission_reason:
 scheduled follow-up submission NA's
 18 359

patient.follow_ups.follow_up.lost_follow_up:
 no yes NA's
 268 25 84

patient.follow_ups.follow_up.month_of_form_completion:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 1.000 4.000 10.000 7.735 11.000 12.000 52

patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.2.additional_pharm
 no yes NA's
 17 11 349

patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.2.additional_radia
 no yes NA's
 21 7 349

patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.2.days_to_new_tumo
 359 1525 2088 NA's
 1 1 1 374

patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.2.days_to_new_tumo
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 49.0 190.0 316.0 599.4 729.0 2742.0 348

patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.2.days_to_new_tumo
 1875 NA's
 1 376

patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.2.new_neoplasm_eve
 bone liver lung other, specify NA's
 5 12 8 3 349

patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.2.new_neoplasm_eve
 extrahepatic recurrence intrahepatic recurrence locoregional recurrence
 15 10 3
 new primary tumor NA's
 1 348

patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.2.new_neoplasm_occ
 adrenal nodule anterior abdominal wall peritoneal
 1 1 1
 NA's
 374

patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.2.new_tumor_event_
 no yes NA's

```

18  10  349

patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.2.new_tumor_event_
no  yes NA's
26  3  348

patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.2.new_tumor_event_
no  yes NA's
27  1  349

patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.2.residual_disease
r0  rx NA's
1   1  375

patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.3.additional_pharm
no  yes NA's
5   2  370

patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.3.additional_radia
no NA's
6   371

patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.3.days_to_new_tumo
431 NA's
1   376

patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.3.days_to_new_tumo
Min. 1st Qu.  Median    Mean 3rd Qu.    Max.    NA's
98.0  169.5   406.0   599.7  557.0  2241.0   370

patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.3.new_neoplasm_eve
liver          lung other, specify          NA's
4              1              2              370

patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.3.new_neoplasm_eve
extrahepatic recurrence intrahepatic recurrence locoregional recurrence
3              3              1
NA's
370

patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.3.new_neoplasm_occ
intraperitoneum          spleen          NA's
1              1              375

patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.3.new_tumor_event_
no  yes NA's
2   4  371

patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.3.new_tumor_event_
no  yes NA's
6   1  370

```

```

patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.3.new_tumor_event_
no NA's
7 370

patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.4.additional_pharm
no yes NA's
1 1 375

patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.4.additional_radiat
no NA's
2 375

patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.4.days_to_new_tumor
239 558 NA's
1 1 375

patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.4.new_neoplasm_eve
liver other, specify NA's
1 1 375

patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.4.new_neoplasm_eve
extrahepatic recurrence intrahepatic recurrence NA's
1 1 375

patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.4.new_neoplasm_occ
spleen NA's
1 376

patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.4.new_tumor_event_
no yes NA's
1 1 375

patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.4.new_tumor_event_
no NA's
2 375

patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.4.new_tumor_event_
no NA's
2 375

patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.additional_pharmac
no yes NA's
109 30 238

patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.additional_radiati
no yes NA's
130 8 239

patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.days_to_new_tumor_
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
124.0 298.0 660.0 663.7 892.0 1678.0 360

```

```
patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.days_to_new_tumor_
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.    NA's
    20    161    293    433    553    2133    232
```

```
patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.days_to_new_tumor_
  713 1211 1648 1875 NA's
    1    1    1    1  373
```

```
patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.new_tumor_event_ab
  no  yes NA's
  80  58  239
```

```
patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.new_tumor_event_ad
  no  yes NA's
 124  18  235
```

```
patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.new_tumor_event_li
  no  yes NA's
 135   4  238
```

```
patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.residual_disease_p
  r0  r1  rx NA's
  13   1   6  357
```

```
patient.follow_ups.follow_up.new_tumor_events.new_tumor_event_after_initial_trea
  no  yes NA's
 154 146  77
```

```
patient.follow_ups.follow_up.person_neoplasm_cancer_status:
tumor free with tumor    NA's
    164    125    88
```

```
patient.follow_ups.follow_up.postoperative_rx_tx:
  no  yes NA's
 287  16  74
```

```
patient.follow_ups.follow_up.radiation_therapy:
  no  yes NA's
 296   7  74
```

```
patient.follow_ups.follow_up.vital_status:
alive  dead  NA's
  226   94   57
```

```
patient.follow_ups.follow_up.year_of_form_completion:
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.    NA's
  2010    2013    2014    2014    2014    2015    52
```

```
patient.gender:
```


Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0	130	150	13744	150	163000	68

patient.laboratory_prcoedure_platelet_result_upper_limit_of_normal_value:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
6	400	400	38600	450	450000	68

patient.laboratory_procedure_albumin_result_lower_limit_of_normal_value:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0.30	3.50	3.50	16.58	3.80	3800.00	79

patient.laboratory_procedure_albumin_result_specified_value:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0.20	3.50	4.00	21.47	4.30	5200.00	74

patient.laboratory_procedure_albumin_result_upper_limit_of_normal_value:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0.50	5.00	5.00	22.56	5.30	5100.00	79

patient.laboratory_procedure_alpha_fetoprotein_outcome_lower_limit_of_normal_val

0	6	NA's				
267	5	105				

patient.laboratory_procedure_alpha_fetoprotein_outcome_upper_limit_of_normal_val

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
6.000	6.250	8.000	9.489	10.000	44.000	107

patient.laboratory_procedure_alpha_fetoprotein_outcome_value:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1.0	4.0	14.5	13692.5	264.8	2035400.0	93

patient.laboratory_procedure_creatinine_result_lower_limit_of_normal_value:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0.00	0.60	0.70	1.75	0.80	62.00	72

patient.laboratory_procedure_creatinine_result_upper_limit_of_normal_value:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0.900	1.200	1.400	3.265	1.500	120.000	70

patient.laboratory_procedure_international_normalization_ratio_result_lower_lim

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0.000	0.900	1.000	3.511	8.300	11.000	106

patient.laboratory_procedure_international_normalization_ratio_result_upper_lim

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1.000	1.000	1.200	4.823	11.500	15.000	106

patient.laboratory_procedure_prothrombin_time_result_value:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0.800	1.000	1.100	4.042	9.150	36.400	77

patient.laboratory_procedure_total_bilirubin_result_specified_lower_limit_of_nor

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0.0000	0.1000	0.2000	0.1369	0.2000	1.0000	76

patient.laboratory_procedure_total_bilirubin_result_specified_upper_limit_of_normal_value:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0.100	0.500	0.700	1.001	1.000	19.000	71

patient.laboratory_procedure_total_bilirubin_result_upper_limit_normal_value:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0.200	1.125	1.200	1.408	1.300	21.000	75

patient.month_of_form_completion:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.
1.00	4.00	6.00	6.18	8.00	12.00

patient.neoplasm_histologic_grade:

g1	g2	g3	g4	NA's
55	180	124	13	5

patient.new_tumor_events.new_tumor_event.2.additional_pharmaceutical_therapy:

no	yes	NA's
7	5	365

patient.new_tumor_events.new_tumor_event.2.additional_radiation_therapy:

no	yes	NA's
10	2	365

patient.new_tumor_events.new_tumor_event.2.days_to_new_tumor_event_additional_surgery:

485	1882	NA's
1	1	375

patient.new_tumor_events.new_tumor_event.2.days_to_new_tumor_event_after_initial_surgery:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
49.0	148.5	398.0	690.9	854.5	2742.0	362

patient.new_tumor_events.new_tumor_event.2.new_neoplasm_event_type:

extrahepatic recurrence	intrahepatic recurrence	locoregional recurrence
6	3	5
new primary tumor	NA's	
1	362	

patient.new_tumor_events.new_tumor_event.2.new_neoplasm_occurrence_anatomic_site:

renal met from prior lung primary	NA's
1	376

patient.new_tumor_events.new_tumor_event.2.new_tumor_event_ablation_embo_tx:

no	yes	NA's
8	5	364

patient.new_tumor_events.new_tumor_event.2.new_tumor_event_additional_surgery_primary:

```

no yes NA's
11 2 364

patient.new_tumor_events.new_tumor_event.2.new_tumor_event_liver_transplant:
no NA's
13 364

patient.new_tumor_events.new_tumor_event.2.residual_disease_post_new_tumor_event:
r0 NA's
2 375

patient.new_tumor_events.new_tumor_event.3.additional_pharmaceutical_therapy:
no yes NA's
3 2 372

patient.new_tumor_events.new_tumor_event.3.additional_radiation_therapy:
no NA's
5 372

patient.new_tumor_events.new_tumor_event.3.days_to_new_tumor_event_additional_surgery:
1305 NA's
1 376

patient.new_tumor_events.new_tumor_event.3.days_to_new_tumor_event_after_initial_surgery:
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
98.0 130.0 266.0 788.4 1285.0 2163.0 372

patient.new_tumor_events.new_tumor_event.3.new_neoplasm_event_occurrence_anatomic_site:
liver other, specify NA's
2 3 372

patient.new_tumor_events.new_tumor_event.3.new_neoplasm_event_type:
extrahepatic recurrence intrahepatic recurrence locoregional recurrence
3 1 1
NA's
372

patient.new_tumor_events.new_tumor_event.3.new_neoplasm_occurrence_anatomic_site:
adrenal nodule intraperitoneum small bowel NA's
1 1 1 374

patient.new_tumor_events.new_tumor_event.3.new_tumor_event_ablation_embo_tx:
no yes NA's
3 2 372

patient.new_tumor_events.new_tumor_event.3.new_tumor_event_additional_surgery_primary:
no yes NA's
4 1 372

patient.new_tumor_events.new_tumor_event.3.new_tumor_event_liver_transplant:
no NA's
5 372

```

patient.new_tumor_events.new_tumor_event.4.additional_pharmaceutical_therapy:
 no NA's
 1 376

patient.new_tumor_events.new_tumor_event.4.additional_radiation_therapy:
 no NA's
 1 376

patient.new_tumor_events.new_tumor_event.4.days_to_new_tumor_event_after_initial
 239 NA's
 1 376

patient.new_tumor_events.new_tumor_event.4.new_neoplasm_event_occurrence_anatomical
 liver NA's
 1 376

patient.new_tumor_events.new_tumor_event.4.new_neoplasm_event_type:
 intrahepatic recurrence NA's
 1 376

patient.new_tumor_events.new_tumor_event.4.new_tumor_event_ablation_embo_tx:
 yes NA's
 1 376

patient.new_tumor_events.new_tumor_event.4.new_tumor_event_additional_surgery_performed:
 no NA's
 1 376

patient.new_tumor_events.new_tumor_event.4.new_tumor_event_liver_transplant:
 no NA's
 1 376

patient.new_tumor_events.new_tumor_event.additional_pharmaceutical_therapy:
 no yes NA's
 70 17 290

patient.new_tumor_events.new_tumor_event.additional_radiation_therapy:
 no yes NA's
 81 6 290

patient.new_tumor_events.new_tumor_event.days_to_new_tumor_event_additional_surgery_performed:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 16.0 349.0 699.0 736.2 899.8 2190.0 361

patient.new_tumor_events.new_tumor_event.days_to_new_tumor_event_after_initial_treatment:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 15 111 231 421 491 2189 280

patient.new_tumor_events.new_tumor_event.days_to_new_tumor_event_transplant:
 713 1648 NA's
 1 1 375

```

patient.new_tumor_events.new_tumor_event.new_neoplasm_event_type:
extrahepatic recurrence intrahepatic recurrence locoregional recurrence
                14                        48                        31
new primary tumor                NA's
                2                        282

patient.new_tumor_events.new_tumor_event.new_tumor_event_ablation_embo_tx:
no  yes NA's
39  48 290

patient.new_tumor_events.new_tumor_event.new_tumor_event_additional_surgery_proc:
no  yes NA's
71  16 290

patient.new_tumor_events.new_tumor_event.new_tumor_event_liver_transplant:
no  yes NA's
89  2  286

patient.new_tumor_events.new_tumor_event.residual_disease_post_new_tumor_event_m:
r0  r1  r2  rx NA's
11  1  1  5  359

patient.new_tumor_events.new_tumor_event_after_initial_treatment:
no  yes NA's
174 98 105

patient.person_neoplasm_cancer_status:
tumor free with tumor      NA's
                236      114      27

patient.postoperative_rx_tx:
no  yes NA's
226 15 136

patient.prior_dx:
no  yes
340 37

patient.race:
american indian or alaska native                2                asian                161
black or african american                        17                white                187
                NA's
                10

patient.radiation_therapy:
no  yes NA's

```

243 4 130

```

patient.radiations.radiation.anatomic_treatment_site:
distant recurrence      distant site primary tumor field      regional site
                        3                        2                        2                        4
                        NA's
                        366

```

```

patient.radiations.radiation.day_of_form_completion:
Min. 1st Qu.  Median    Mean 3rd Qu.    Max.    NA's
2.00   8.50   14.00   14.09  18.50   27.00   366

```

```

patient.radiations.radiation.days_to_radiation_therapy_end:
Min. 1st Qu.  Median    Mean 3rd Qu.    Max.    NA's
37.0   344.2   418.5   500.4   739.2  1099.0   367

```

```

patient.radiations.radiation.days_to_radiation_therapy_start:
Min. 1st Qu.  Median    Mean 3rd Qu.    Max.    NA's
18.0   142.5   430.0   451.4   675.0  1092.0   366

```

```

patient.radiations.radiation.measure_of_response:
                complete response                partial response
                        2                                1
radiographic progressive disease                stable disease
                        4                                1
                        NA's
                        369

```

```

patient.radiations.radiation.month_of_form_completion:
Min. 1st Qu.  Median    Mean 3rd Qu.    Max.    NA's
2.000   4.500   6.000   6.273   8.500  11.000   366

```

```

patient.radiations.radiation.numfractions:
Min. 1st Qu.  Median    Mean 3rd Qu.    Max.    NA's
1.000   1.500   3.000   6.714   7.500  25.000   370

```

```

patient.radiations.radiation.radiation_dosage:
Min. 1st Qu.  Median    Mean 3rd Qu.    Max.    NA's
0.29   50.00   68.00  2839.54  3625.00 14000.00   369

```

```

patient.radiations.radiation.radiation_treatment_ongoing:
no  yes NA's
10  1  366

```

```

patient.radiations.radiation.radiation_type:
external internal systemic    NA's
        6         2         2     367

```

```

patient.radiations.radiation.units:
cgy  gy NA's

```

3 4 370

patient.radiations.radiation.year_of_form_completion:

2013 2014 2015 NA's
6 4 1 366

patient.relative_family_cancer_history_ind_3:

no yes NA's
212 114 51

patient.residual_tumor:

r0 r1 r2 rx NA's
330 17 1 22 7

patient.stage_event.system_version:

4th 5th 6th 7th
4 23 119 231

patient.stage_event.tnm_categories.pathologic_categories.pathologic_m:

m0 m1 mx
272 4 101

patient.stage_event.tnm_categories.pathologic_categories.pathologic_n:

n0 n1 nx NA's
257 4 115 1

patient.tissue_prospective_collection_indicator:

no yes
249 128

patient.tissue_retrospective_collection_indicator:

no yes
128 249

patient.tumor_tissue_site:

liver
377

patient.vascular_tumor_cell_invasion_type:

macro micro none NA's
17 94 210 56

patient.viral_hepatitis_serologies.viral_hepatitis_serology.4:

hbv core antibody hbv dna

	6	7
hbv surface antibody hepatitis b surface antigen	4	1
NA's	359	

patient.viral_hepatitis_serologies.viral_hepatitis_serology.5:
 hbv core antibody NA's
 3 374

patient.vital_status:
 alive dead
 286 91

patient.weight:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 40.00 59.00 69.00 72.89 82.00 172.00 27

patient.year_of_form_completion:
 Min. 1st Qu. Median Mean 3rd Qu. Max.
 2010 2012 2014 2013 2014 2015

patient.year_of_initial_pathologic_diagnosis:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 1995 2008 2011 2010 2012 2013 3

patient.bcr_canonical_check.bcr_patient_canonical_reasons.bcr_canonical_reason.2
 case matched methylation control germline comparison
 41 4
 NA's
 332

patient.bcr_canonical_check.bcr_patient_canonical_reasons.bcr_canonical_reason.3
 germline comparison NA's
 13 364

patient.bcr_canonical_check.bcr_patient_canonical_status:
 canonical canonical - plus non-canonical
 288 80 9

patient.biospecimen_cqcf.consent_or_death_status:
 consented deceased
 342 35

patient.biospecimen_cqcf.days_to_pathology_review:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 -24.00 64.25 366.00 926.83 1512.50 5992.00 3

patient.biospecimen_cqcf.days_to_sample_procurement:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's

-116.000 0.000 0.000 0.516 0.000 267.000 3

patient.biospecimen_cqcf.digital_image_submitted:

no yes NA's
81 26 270

patient.biospecimen_cqcf.ethnicity:

hispanic or latino not hispanic or latino NA's
12 228 137

patient.biospecimen_cqcf.frozen_specimen_anatomic_site:

liver
377

patient.biospecimen_cqcf.history_of_neoadjuvant_treatment:

no 374
yes, both radiation and pharmaceutical treatment prior to resection 1
yes, pharmaceutical treatment prior to resection 2

patient.biospecimen_cqcf.method_of_sample_procurement:

other method (please specify) surgical resection
18 358
transplant
1

patient.biospecimen_cqcf.normal_controls.normal_control.2.days_to_normal_sample_

Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
-116.00 0.00 0.00 13.82 0.00 1458.00 230

patient.biospecimen_cqcf.normal_controls.normal_control.2.extracted_dna.ncedna_d

Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
0.0700 0.1250 0.1600 0.1831 0.2300 0.4700 322

patient.biospecimen_cqcf.normal_controls.normal_control.2.extracted_dna.ncedna_d

cdrop nanodrop trinean trinean instrument
1 1 48 5
NA's
322

patient.biospecimen_cqcf.normal_controls.normal_control.2.extracted_dna.ncedna_d

Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
15.00 16.00 18.00 19.82 22.00 47.00 322

patient.biospecimen_cqcf.normal_controls.normal_control.2.extracted_dna.ncedna_d

Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
50 100 100 122 150 225 322

```

patient.biospecimen_cqcf.normal_controls.normal_control.2.method_of_normal_sampl
      blood draw laparoscopic biopsy  surgical resection      NA's
           80                1                65                231

patient.biospecimen_cqcf.normal_controls.normal_control.2.normal_tissue.normal_t
liver NA's
      55  322

patient.biospecimen_cqcf.normal_controls.normal_control.2.normal_tissue.normal_t
distal (>2cm)      NA's
           56                321

patient.biospecimen_cqcf.normal_controls.normal_control.2.vial_number:
      1  2 NA's
     127  23  227

patient.biospecimen_cqcf.normal_controls.normal_control.3.bcr_sample_uuid:
3171cfeb-80dc-4273-ae72-f173e6f28ff0 c62268e3-9631-4629-ae35-430c9d6628d2
                                           1                1
f2ed143f-17b6-431d-88e0-5fe0bca5a59e f2f7af17-df75-4fca-a4ab-2245603bbf71
                                           1                1
                                           NA's
                                           373

patient.biospecimen_cqcf.normal_controls.normal_control.3.days_to_normal_sample_
      0 NA's
      1  376

patient.biospecimen_cqcf.normal_controls.normal_control.3.extracted_dna.ncedna_d
0.12 NA's
      1  376

patient.biospecimen_cqcf.normal_controls.normal_control.3.extracted_dna.ncedna_d
trinean      NA's
           1  376

patient.biospecimen_cqcf.normal_controls.normal_control.3.extracted_dna.ncedna_d
      18 NA's
      1  376

patient.biospecimen_cqcf.normal_controls.normal_control.3.extracted_dna.ncedna_d
      150 NA's
      1  376

patient.biospecimen_cqcf.normal_controls.normal_control.3.method_of_normal_sampl
surgical resection      NA's
           1                376

patient.biospecimen_cqcf.normal_controls.normal_control.3.normal_tissue.normal_t
liver NA's
      1  376

```

patient.biospecimen_cqcf.normal_controls.normal_control.3.normal_tissue.normal_t
 distal (>2cm) NA's
 1 376

patient.biospecimen_cqcf.normal_controls.normal_control.3.vial_number:
 1 2 3 NA's
 1 1 2 373

patient.biospecimen_cqcf.normal_controls.normal_control.4.bcr_sample_uuid:
 c0da7822-f933-44ef-8448-085707811077 c9c276c0-f8ae-441e-9b72-86222cb49955
 1 1
 NA's
 375

patient.biospecimen_cqcf.normal_controls.normal_control.4.extracted_dna.ncedna_d
 0.15 NA's
 1 376

patient.biospecimen_cqcf.normal_controls.normal_control.4.extracted_dna.ncedna_d
 trinean NA's
 1 376

patient.biospecimen_cqcf.normal_controls.normal_control.4.extracted_dna.ncedna_d
 15 NA's
 1 376

patient.biospecimen_cqcf.normal_controls.normal_control.4.extracted_dna.ncedna_d
 100 NA's
 1 376

patient.biospecimen_cqcf.normal_controls.normal_control.4.vial_number:
 3 4 NA's
 1 1 375

patient.biospecimen_cqcf.normal_controls.normal_control.days_to_normal_sample_pr
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 -344 0 0 37 0 2562 19

patient.biospecimen_cqcf.normal_controls.normal_control.extracted_dna.ncedna_dna
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 0.0307 0.1300 0.1997 25.6343 0.3100 570.9000 267

patient.biospecimen_cqcf.normal_controls.normal_control.extracted_dna.ncedna_dna
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 11.00 15.00 20.00 19.31 20.00 138.80 267

patient.biospecimen_cqcf.normal_controls.normal_control.extracted_dna.ncedna_dna
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 26.27 64.25 100.00 130.86 150.00 539.37 267

```

patient.biospecimen_cqcf.normal_controls.normal_control.method_of_normal_sample_
      blood draw surgical resection          NA's
      244                118                15

```

```

patient.biospecimen_cqcf.normal_controls.normal_control.normal_tissue.normal_tis
liver other NA's
  140     6  231

```

```

patient.biospecimen_cqcf.normal_controls.normal_control.normal_tissue.normal_tis
distal (>2cm)          NA's
      146                231

```

```

patient.biospecimen_cqcf.normal_controls.normal_control.vial_number:
  1   2 NA's
368  8   1

```

```

patient.biospecimen_cqcf.path_confirm_diagnosis_matching:
no yes
  1 376

```

```

patient.biospecimen_cqcf.path_confirm_report_attached:
no yes
  1 376

```

```

patient.biospecimen_cqcf.path_confirm_tumor_necrosis_metrics:
no yes
  1 376

```

```

patient.biospecimen_cqcf.path_confirm_tumor_nuclei_metrics:
no yes
  1 376

```

```

patient.biospecimen_cqcf.race:
american indian or alaska native          asian
      1                                    134
      black or african american          white
      9                                    109
      NA's
      124

```

```

patient.biospecimen_cqcf.reason_path_confirm_diagnosis_not_matching:
pathology analysis at tss determined a specific histological subtype different f

```

```

patient.biospecimen_cqcf.sample_prescreened:
no yes
  1 376

```

patient.biospecimen_cqcf.site_of_disease:
liver
377

patient.biospecimen_cqcf.submitted_for_lce:
no yes NA's
249 21 107

patient.biospecimen_cqcf.top_slide_submitted:
no yes NA's
28 79 270

patient.biospecimen_cqcf.tumor_samples.tumor_sample.2.tumor_necrosis_percent:
0 5 10 NA's
5 1 2 369

patient.biospecimen_cqcf.tumor_samples.tumor_sample.2.tumor_nuclei_percent:
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
50.00 67.50 75.00 75.00 83.75 95.00 369

patient.biospecimen_cqcf.tumor_samples.tumor_sample.2.tumor_weight:
50 200 230 336 NA's
3 3 1 1 369

patient.biospecimen_cqcf.tumor_samples.tumor_sample.2.vial_number:
1 2 NA's
4 4 369

patient.biospecimen_cqcf.tumor_samples.tumor_sample.3.bcr_sample_uuid:
9865a741-531c-452f-9264-ea0b8a6871a8 e31d2354-a883-4685-b750-f1738e07051d
1 1
NA's
375

patient.biospecimen_cqcf.tumor_samples.tumor_sample.3.tumor_necrosis_percent:
5 10 NA's
1 1 375

patient.biospecimen_cqcf.tumor_samples.tumor_sample.3.tumor_nuclei_percent:
80 95 NA's
1 1 375

patient.biospecimen_cqcf.tumor_samples.tumor_sample.3.tumor_weight:
50 200 NA's
1 1 375

patient.biospecimen_cqcf.tumor_samples.tumor_sample.3.vial_number:
1 3 NA's
1 1 375

patient.biospecimen_cqcf.tumor_samples.tumor_sample.tumor_necrosis_percent:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 0.000 0.000 1.000 3.688 5.000 55.000 2

patient.biospecimen_cqcf.tumor_samples.tumor_sample.tumor_nuclei_percent:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 35.00 80.00 90.00 85.81 95.00 100.00 2

patient.biospecimen_cqcf.tumor_samples.tumor_sample.tumor_weight:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 20.0 50.0 200.0 304.8 280.0 2924.0 1

patient.biospecimen_cqcf.tumor_samples.tumor_sample.vial_number:
 1 NA's
 376 1

patient.biospecimen_cqcf.vessel_used:
 biospecimen storage bag cassette cryomold
 46 20 56
 cryovial other (please specify)
 152 103

patient.days_to_index:
 0 NA's
 374 3

patient.samples.sample.2.bcr_biospecimen_canonical_reasons.bcr_canonical_reason:
 primary tumor and recurrent tumor(s) NA's
 2 375

patient.samples.sample.2.days_to_collection:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 7 157 519 1055 1694 6014 3

patient.samples.sample.2.initial_weight:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 20.0 107.5 170.0 239.4 245.0 1620.0 325

patient.samples.sample.2.is_ffpe:
 no
 377

patient.samples.sample.2.oct_embedded:
 false true
 360 17

patient.samples.sample.2.pathology_report_file_name:
 tcga-dd-aaca.c4260237-1e27-45c7-ade8-41939d1324a8.pdf
 1
 tcga-zs-a9cf.5d79d370-f174-4ccb-af64-5617ebf352be.pdf

1
 NA's
 375

patient.samples.sample.2.pathology_report_uuid:
 5d79d370-f174-4ccb-af64-5617ebf352be c4260237-1e27-45c7-ade8-41939d1324a8
 1 1
 NA's
 375

patient.samples.sample.2.portions.portion.analytes.analyte.2.a260_a280_ratio:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 1.340 1.805 1.830 1.811 1.870 1.960 342

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.2.
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 99021579 108433656 118955538 117945846 122967752 174164280 342

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.2.
 7 13 NA's
 25 10 342

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.2.
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 0.1400 0.1500 0.1600 0.1623 0.1700 0.1800 342

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.2.
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 1.00 1.00 24.00 16.43 30.00 31.00 342

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.2.
 no NA's
 35 342

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.2.
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 1.000 3.000 3.000 3.429 5.000 8.000 342

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.2.
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 1.000 6.000 7.000 7.314 8.500 12.000 342

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.2.
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 1.950 2.340 3.400 3.313 4.140 4.540 342

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.2.
 23 NA's

35 342

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.2.

13 20 26.7 NA's

11 10 14 342

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.2.

2011 2012 2014 NA's

16 17 2 342

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.bi

	Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
99052761	122969234	153888574	143955473	167788814	174191352		85

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.ce

7 10 13 NA's

10 257 25 85

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.co

	Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0.1400	0.5000	0.5000	0.4595	0.5000	0.5000		85

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.da

	Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1.00	8.00	8.00	14.66	24.00	31.00		85

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.is

no NA's

292 85

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.mo

	Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1.000	3.000	6.000	5.342	7.000	11.000		85

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.pl

	Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1.000	5.000	6.000	6.325	8.000	12.000		85

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.qu

	Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1.95	40.00	40.00	35.56	40.00	40.00		85

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.so

23 NA's

292 85

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.vo

13 20 80 NA's

10 25 257 85

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.ye
2011 2012 2013 2014 NA's
59 40 53 140 85

patient.samples.sample.2.portions.portion.analytes.analyte.2.amount:
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
16.09 43.38 59.60 57.94 70.14 102.21 342

patient.samples.sample.2.portions.portion.analytes.analyte.2.analyte_type:
repli-g (qiagen) dna rna NA's
257 35 85

patient.samples.sample.2.portions.portion.analytes.analyte.2.analyte_type_id:
r w NA's
35 257 85

patient.samples.sample.2.portions.portion.analytes.analyte.2.concentration:
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
0.1400 0.1500 0.1600 0.1623 0.1700 0.1800 342

patient.samples.sample.2.portions.portion.analytes.analyte.2.dna.normal_tumor_ge
yes NA's
257 120

patient.samples.sample.2.portions.portion.analytes.analyte.2.dna.pcr_amplificati
yes NA's
257 120

patient.samples.sample.2.portions.portion.analytes.analyte.2.gel_image_file:
<https://sharedoc.nchri.org/tcga-bcr/default.aspx>
292
NA's
85

patient.samples.sample.2.portions.portion.analytes.analyte.2.is_derived_from_ffp
no NA's
292 85

patient.samples.sample.2.portions.portion.analytes.analyte.2.protocols.protocol.
mirvana (allprep dna) rna repli-g NA's
35 257 85

patient.samples.sample.2.portions.portion.analytes.analyte.2.rna.ratio_28s_18s:
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
1.000 1.200 1.300 1.372 1.450 2.100 342

patient.samples.sample.2.portions.portion.analytes.analyte.2.rna.rinvalue:
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's

5.300 7.400 7.800 7.863 8.400 9.600 342

patient.samples.sample.2.portions.portion.analytes.analyte.2.spectrophotometer_m
uv spec NA's
35 342

patient.samples.sample.2.portions.portion.analytes.analyte.2.subportion_sequence
1 2 NA's
48 4 325

patient.samples.sample.2.portions.portion.analytes.analyte.3.aliquots.aliquot.bi
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
100476909 100476967 122970660 117470997 132271851 167788790 343

patient.samples.sample.2.portions.portion.analytes.analyte.3.aliquots.aliquot.ce
10 NA's
34 343

patient.samples.sample.2.portions.portion.analytes.analyte.3.aliquots.aliquot.co
0.5 NA's
34 343

patient.samples.sample.2.portions.portion.analytes.analyte.3.aliquots.aliquot.da
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
3.00 3.00 11.00 12.88 23.25 29.00 343

patient.samples.sample.2.portions.portion.analytes.analyte.3.aliquots.aliquot.is
no NA's
34 343

patient.samples.sample.2.portions.portion.analytes.analyte.3.aliquots.aliquot.mo
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
2.000 5.000 5.000 5.176 7.000 11.000 343

patient.samples.sample.2.portions.portion.analytes.analyte.3.aliquots.aliquot.pl
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
3.000 4.750 7.000 6.412 7.750 10.000 343

patient.samples.sample.2.portions.portion.analytes.analyte.3.aliquots.aliquot.qu
40 NA's
34 343

patient.samples.sample.2.portions.portion.analytes.analyte.3.aliquots.aliquot.so
23 NA's
34 343

patient.samples.sample.2.portions.portion.analytes.analyte.3.aliquots.aliquot.vo
80 NA's

34 343

patient.samples.sample.2.portions.portion.analytes.analyte.3.aliquots.aliquot.ye
 2011 2012 2014 NA's
 16 17 1 343

patient.samples.sample.2.portions.portion.analytes.analyte.3.analyte_type:
 repli-g (qiagen) dna NA's
 34 343

patient.samples.sample.2.portions.portion.analytes.analyte.3.analyte_type_id:
 w NA's
 34 343

patient.samples.sample.2.portions.portion.analytes.analyte.3.dna.normal_tumor_ge
 yes NA's
 34 343

patient.samples.sample.2.portions.portion.analytes.analyte.3.dna.pcr_amplificati
 yes NA's
 34 343

patient.samples.sample.2.portions.portion.analytes.analyte.3.gel_image_file:
<https://sharedoc.nchri.org/tcga-bcr/default.aspx>
 34
 NA's
 343

patient.samples.sample.2.portions.portion.analytes.analyte.3.is_derived_from_ffp
 no NA's
 34 343

patient.samples.sample.2.portions.portion.analytes.analyte.3.protocols.protocol.
 repli-g NA's
 34 343

patient.samples.sample.2.portions.portion.analytes.analyte.3.subportion_sequence
 1 2 NA's
 32 2 343

patient.samples.sample.2.portions.portion.analytes.analyte.a260_a280_ratio:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 1.640 1.870 1.940 1.935 1.995 2.170 323

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.2.bi
 Min. 1st Qu. Median Mean 3rd Qu. Max.
 99021223 122969967 160355524 149200388 167822096 174191135

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.2.ce
 1 2 10
 57 2 318

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.2.co
 Min. 1st Qu. Median Mean 3rd Qu. Max.
 0.07000 0.07000 0.08000 0.09027 0.08000 0.22000

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.2.da
 Min. 1st Qu. Median Mean 3rd Qu. Max.
 1.00 24.00 26.00 23.16 28.00 31.00

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.2.is
 no
 377

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.2.mo
 Min. 1st Qu. Median Mean 3rd Qu. Max.
 1.000 3.000 4.000 4.586 5.000 12.000

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.2.pl
 Min. 1st Qu. Median Mean 3rd Qu. Max.
 1.000 4.000 6.000 6.255 8.000 12.000

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.2.qu
 Min. 1st Qu. Median Mean 3rd Qu. Max.
 0.870 2.800 3.200 2.777 3.200 3.600

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.2.so
 23
 377

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.2.vo
 6.6 6.67 6.7 10 40
 2 38 17 2 318

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.2.ye
 2011 2012 2013 2014
 59 40 106 172

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.3.bi
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 97509067 108433694 118956972 120422461 122971467 174189635 253

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.3.ce
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 1.00 10.00 10.00 17.29 26.00 26.00 253

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.3.co
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 0.0700 0.0800 0.1400 0.1205 0.1600 0.1700 253

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.3.da
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 1.00 1.00 7.00 12.85 25.25 31.00 253

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.3.is
 no NA's
 124 253

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.3.mo
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 1.000 3.000 3.000 3.694 5.000 8.000 253

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.3.pl
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 1.000 6.000 7.000 7.306 9.000 12.000 253

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.3.qu
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 0.53 1.50 1.70 2.33 3.20 4.40 253

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.3.so
 23 NA's
 124 253

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.3.vo
 6.6 10 13 40 NA's
 4 59 4 57 253

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.3.ye
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 2011 2011 2012 2012 2012 2015 253

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.4.bi
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 99052832 108477288 122967374 125944569 122971824 175156212 330

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.4.ce
 5 9 10 26 NA's
 28 1 16 2 330

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.4.co
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 0.0700 0.0850 0.1500 0.1315 0.1600 0.1800 330

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.4.da

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1.00	1.00	11.00	13.17	23.50	31.00	330

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.4.is

no NA's
47 330

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.4.mo

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1.00	3.00	3.00	4.17	7.00	8.00	330

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.4.pl

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1.000	3.000	7.000	5.596	7.000	9.000	330

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.4.qu

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0.530	1.760	3.200	3.385	4.270	13.600	330

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.4.sc

23 NA's
47 330

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.4.vo

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
6.60	13.00	26.70	29.16	26.70	170.00	330

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.4.ye

2011 2012 2014 2015 NA's
23 15 8 1 330

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.5.bi

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
113422178	113422284	167810867	147963674	175156142	175156187	368

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.5.ce

9 10 NA's
1 8 368

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.5.co

0.07 0.08 0.09 NA's
2 6 1 368

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.5.da

5 11 23 29 NA's
3 1 4 1 368

```

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.5.is
no NA's
9 368

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.5.mo
2 3 7 NA's
1 1 7 368

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.5.pl
1 5 NA's
8 1 368

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.5.pl
a16z a21k a45c a46d NA's
3 1 4 1 368

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.5.qu
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
0.460 0.940 1.070 3.273 4.670 9.120 368

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.5.sc
23 NA's
9 368

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.5.vo
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
6.60 13.40 13.40 40.64 58.40 114.00 368

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.5.ye
2011 2012 2014 2015 NA's
3 1 4 1 368

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.6.bo
tcga-bc-a10s-11a-11d-a45c-10 tcga-bc-a10t-11a-11d-a45c-10
1 1
tcga-bc-a10u-11a-11d-a45c-10 NA's
1 374

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.6.bo
0d7ad8a3-a9b6-469c-bb9b-11826c59ba35 62e73a53-1342-4abe-98d7-79b482703ed7
1 1
90aa13a2-e365-4101-ad05-897b258596bf NA's
1 374

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.6.bi
175155419 175156139 175156140 NA's
1 1 1 374

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.6.ce
10 NA's
3 374

```

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.6.co
 0.08 NA's
 3 374

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.6.da
 23 NA's
 3 374

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.6.is
 no NA's
 3 374

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.6.mo
 7 NA's
 3 374

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.6.pl
 4 NA's
 3 374

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.6.pl
 a45c NA's
 3 374

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.6.pl
 b c d NA's
 1 1 1 374

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.6.qu
 1.07 NA's
 3 374

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.6.sc
 23 NA's
 3 374

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.6.vo
 13.4 NA's
 3 374

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.6.ye
 2014 NA's
 3 374

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.bios
 Min. 1st Qu. Median Mean 3rd Qu. Max.
 97506924 122848612 160355272 149198549 167822070 174191519

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.cent

1 2 5
318 57 2

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.conc
Min. 1st Qu. Median Mean 3rd Qu. Max.
0.1300 0.1500 0.1600 0.1559 0.1600 0.2200

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.day_
Min. 1st Qu. Median Mean 3rd Qu. Max.
1.00 25.00 26.00 23.04 28.00 31.00

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.is_d
no
377

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.mont
Min. 1st Qu. Median Mean 3rd Qu. Max.
1.000 3.000 4.000 4.294 5.000 10.000

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.plat
Min. 1st Qu. Median Mean 3rd Qu. Max.
1.00 4.00 6.00 6.26 8.00 12.00

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.quant
Min. 1st Qu. Median Mean 3rd Qu. Max.
0.940 1.010 1.070 1.188 1.140 2.860

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.sour
23
377

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.vol
6.7 10 13
318 12 47

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.year
2011 2012 2013 2014
59 40 96 182

patient.samples.sample.2.portions.portion.analytes.analyte.amount:
Min. 1st Qu. Median Mean 3rd Qu. Max.
4.90 13.52 18.60 27.88 29.60 208.42

patient.samples.sample.2.portions.portion.analytes.analyte.analyte_type:
dna
377

patient.samples.sample.2.portions.portion.analytes.analyte.analyte_type_id:
d
377

patient.samples.sample.2.portions.portion.analytes.analyte.concentration:
 Min. 1st Qu. Median Mean 3rd Qu. Max.
 0.1300 0.1500 0.1600 0.1559 0.1600 0.2200

patient.samples.sample.2.portions.portion.analytes.analyte.dna.normal_tumor_gene:
 yes
 377

patient.samples.sample.2.portions.portion.analytes.analyte.dna.pcr_amplification:
 yes
 377

patient.samples.sample.2.portions.portion.analytes.analyte.gel_image_file:
<https://sharedoc.nchri.org/tcga-bcr/default.aspx>
 377

patient.samples.sample.2.portions.portion.analytes.analyte.is_derived_from_ffpe:
 no
 377

patient.samples.sample.2.portions.portion.analytes.analyte.protocols.protocol.extra:
 adna preparation type pre-extracted dna received by tss
 182 195

patient.samples.sample.2.portions.portion.analytes.analyte.spectrophotometer_method:
 picogreen uv spec
 323 54

patient.samples.sample.2.portions.portion.analytes.analyte.subportion_sequence:
 1 2 NA's
 48 4 325

patient.samples.sample.2.portions.portion.day_of_creation:
 Min. 1st Qu. Median Mean 3rd Qu. Max.
 1.00 7.00 19.00 16.38 24.00 30.00

patient.samples.sample.2.portions.portion.is_ffpe:
 no
 377

patient.samples.sample.2.portions.portion.month_of_creation:
 Min. 1st Qu. Median Mean 3rd Qu. Max.
 1.000 2.000 3.000 5.448 9.000 12.000

patient.samples.sample.2.portions.portion.portion_number:
 1 2 11 12 21
 324 1 46 4 2

patient.samples.sample.2.portions.portion.portion_sequence:

1	2	NA's
204	3	170

patient.samples.sample.2.portions.portion.slides.slide.is_derived_from_ffpe:

no	NA's
52	325

patient.samples.sample.2.portions.portion.slides.slide.percent_lymphocyte_infiltration:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0.000	0.000	1.000	2.269	3.000	25.000	325

patient.samples.sample.2.portions.portion.slides.slide.percent_monocyte_infiltration:

0	1	2	3	NA's
44	6	1	1	325

patient.samples.sample.2.portions.portion.slides.slide.percent_necrosis:

0	NA's
52	325

patient.samples.sample.2.portions.portion.slides.slide.percent_neutrophil_infiltration:

0	1	2	NA's
47	4	1	325

patient.samples.sample.2.portions.portion.slides.slide.percent_normal_cells:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0.00	80.00	96.00	87.96	100.00	100.00	325

patient.samples.sample.2.portions.portion.slides.slide.percent_stromal_cells:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0.000	0.000	1.500	8.577	16.250	30.000	325

patient.samples.sample.2.portions.portion.slides.slide.percent_tumor_cells:

0	80	100	NA's
50	1	1	325

patient.samples.sample.2.portions.portion.slides.slide.percent_tumor_nuclei:

0	80	NA's
50	2	325

patient.samples.sample.2.portions.portion.slides.slide.section_location:

top	NA's
52	325

patient.samples.sample.2.portions.portion.weight:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
2.00	2.00	2.00	10.48	30.00	200.00	195

patient.samples.sample.2.portions.portion.year_of_creation:

2010	2011	2012	2013	2014
28	61	37	90	161

patient.samples.sample.2.sample_type:

blood derived normal	recurrent tumor	solid tissue normal
325	2	50

patient.samples.sample.2.sample_type_id:

2	10	11
2	325	50

patient.samples.sample.2.vial_number:

a	b	d
365	11	1

patient.samples.sample.3.bcr_biospecimen_canonical_reasons.bcr_canonical_reason:

germline comparison primary tumor and recurrent tumor(s)	
13	1
NA's	
363	

patient.samples.sample.3.days_to_collection:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
14	335	1521	1448	2184	3538	336

patient.samples.sample.3.initial_weight:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1.0	140.0	180.0	245.8	225.0	1140.0	337

patient.samples.sample.3.is_ffpe:

no NA's
41 336

patient.samples.sample.3.oct_embedded:

false	true	NA's
16	25	336

patient.samples.sample.3.pathology_report_file_name:

tcga-dd-aaca.e3836223-b3ed-46c6-b257-6909e26d0f09.pdf
1
NA's
376

patient.samples.sample.3.pathology_report_uuid:

e3836223-b3ed-46c6-b257-6909e26d0f09	NA's
1	376

patient.samples.sample.3.portions.portion.2.analytes.analyte.a260_a280_ratio:

1.85	NA's
------	------

1 376

patient.samples.sample.3.portions.portion.2.analytes.analyte.aliquots.aliquot.2.
tcga-dd-a116-11a-12r-a26b-07 NA's
1 376

patient.samples.sample.3.portions.portion.2.analytes.analyte.aliquots.aliquot.2.
f099f7fb-f07a-4529-83dc-e7023c52a999 NA's
1 376

patient.samples.sample.3.portions.portion.2.analytes.analyte.aliquots.aliquot.2.
132160644 NA's
1 376

patient.samples.sample.3.portions.portion.2.analytes.analyte.aliquots.aliquot.2.
7 NA's
1 376

patient.samples.sample.3.portions.portion.2.analytes.analyte.aliquots.aliquot.2.
0.18 NA's
1 376

patient.samples.sample.3.portions.portion.2.analytes.analyte.aliquots.aliquot.2.
30 NA's
1 376

patient.samples.sample.3.portions.portion.2.analytes.analyte.aliquots.aliquot.2.
no NA's
1 376

patient.samples.sample.3.portions.portion.2.analytes.analyte.aliquots.aliquot.2.
1 NA's
1 376

patient.samples.sample.3.portions.portion.2.analytes.analyte.aliquots.aliquot.2.
1 NA's
1 376

patient.samples.sample.3.portions.portion.2.analytes.analyte.aliquots.aliquot.2.
a26b NA's
1 376

patient.samples.sample.3.portions.portion.2.analytes.analyte.aliquots.aliquot.2.
a NA's
1 376

patient.samples.sample.3.portions.portion.2.analytes.analyte.aliquots.aliquot.2.
2.34 NA's
1 376

patient.samples.sample.3.portions.portion.2.analytes.analyte.aliquots.aliquot.2.
23 NA's

1 376

patient.samples.sample.3.portions.portion.2.analytes.analyte.aliquots.aliquot.2.

13 NA's

1 376

patient.samples.sample.3.portions.portion.2.analytes.analyte.aliquots.aliquot.2.

2013 NA's

1 376

patient.samples.sample.3.portions.portion.2.analytes.analyte.aliquots.aliquot.bo

tcga-dd-a116-11a-12r-a25g-13

NA's

1

376

patient.samples.sample.3.portions.portion.2.analytes.analyte.aliquots.aliquot.bo

f0452a08-12e7-4ea8-af29-3443ce1decbb

NA's

1

376

patient.samples.sample.3.portions.portion.2.analytes.analyte.aliquots.aliquot.bi

132178535

NA's

1

376

patient.samples.sample.3.portions.portion.2.analytes.analyte.aliquots.aliquot.ce

13 NA's

1 376

patient.samples.sample.3.portions.portion.2.analytes.analyte.aliquots.aliquot.co

0.18 NA's

1 376

patient.samples.sample.3.portions.portion.2.analytes.analyte.aliquots.aliquot.da

2 NA's

1 376

patient.samples.sample.3.portions.portion.2.analytes.analyte.aliquots.aliquot.is

no NA's

1 376

patient.samples.sample.3.portions.portion.2.analytes.analyte.aliquots.aliquot.mo

1 NA's

1 376

patient.samples.sample.3.portions.portion.2.analytes.analyte.aliquots.aliquot.pl

1 NA's

1 376

patient.samples.sample.3.portions.portion.2.analytes.analyte.aliquots.aliquot.pl

a25g NA's

1 376

patient.samples.sample.3.portions.portion.2.analytes.analyte.aliquots.aliquot.pl

c NA's

1 376

patient.samples.sample.3.portions.portion.2.analytes.analyte.aliquots.aliquot.quantity: 3.6 NA's
1 376

patient.samples.sample.3.portions.portion.2.analytes.analyte.aliquots.aliquot.size: 23 NA's
1 376

patient.samples.sample.3.portions.portion.2.analytes.analyte.aliquots.aliquot.volume: 20 NA's
1 376

patient.samples.sample.3.portions.portion.2.analytes.analyte.aliquots.aliquot.years: 2013 NA's
1 376

patient.samples.sample.3.portions.portion.2.analytes.analyte.amount: 47.62 NA's
1 376

patient.samples.sample.3.portions.portion.2.analytes.analyte.analyte_type: rna NA's
1 376

patient.samples.sample.3.portions.portion.2.analytes.analyte.analyte_type_id: r NA's
1 376

patient.samples.sample.3.portions.portion.2.analytes.analyte.bcr_analyte_barcode: tcga-dd-a116-11a-12r NA's
1 376

patient.samples.sample.3.portions.portion.2.analytes.analyte.bcr_analyte_uuid: 618d37a5-40ab-45b6-bc24-a47451367141 NA's
1 376

patient.samples.sample.3.portions.portion.2.analytes.analyte.concentration: 0.18 NA's
1 376

patient.samples.sample.3.portions.portion.2.analytes.analyte.gel_image_file: https://sharedoc.nchri.org/tcga-bcr/default.aspx
1
NA's
376

patient.samples.sample.3.portions.portion.2.analytes.analyte.is_derived_from_ffp: no NA's
1 376

```

patient.samples.sample.3.portions.portion.2.analytes.analyte.protocols.protocol.
mirvana (allprep dna) rna NA's
1 376

patient.samples.sample.3.portions.portion.2.analytes.analyte.rna.ratio_28s_18s:
1.39 NA's
1 376

patient.samples.sample.3.portions.portion.2.analytes.analyte.rna.rinvalue:
8.6 NA's
1 376

patient.samples.sample.3.portions.portion.2.analytes.analyte.spectrophotometer_m
uv spec NA's
1 376

patient.samples.sample.3.portions.portion.2.analytes.analyte.subportion_sequence
2 NA's
1 376

patient.samples.sample.3.portions.portion.2.bcr_portion_barcode:
tcga-dd-a116-11a-12 NA's
1 376

patient.samples.sample.3.portions.portion.2.bcr_portion_uuid:
a1504b4f-219c-427d-8da3-6655244b0d0e NA's
1 376

patient.samples.sample.3.portions.portion.2.day_of_creation:
16 NA's
1 376

patient.samples.sample.3.portions.portion.2.is_ffpe:
no NA's
1 376

patient.samples.sample.3.portions.portion.2.month_of_creation:
11 NA's
1 376

patient.samples.sample.3.portions.portion.2.portion_number:
12 NA's
1 376

patient.samples.sample.3.portions.portion.2.portion_sequence:
1 NA's
1 376

patient.samples.sample.3.portions.portion.2.slides.slide.bcr_slide_barcode:
tcga-dd-a116-11a-01-ts1 NA's
1 376

```


patient.samples.sample.3.portions.portion.2.slides.slide.bcr_slide_uuid:
459e75e9-20fe-4e3b-8a49-62ffe4d37991 NA's
1 376

patient.samples.sample.3.portions.portion.2.slides.slide.image_file_name:
tcga-dd-a116-11a-01-ts1.459e75e9-20fe-4e3b-8a49-62ffe4d37991.svs
1
NA's
376

patient.samples.sample.3.portions.portion.2.slides.slide.is_derived_from_ffpe:
no NA's
1 376

patient.samples.sample.3.portions.portion.2.slides.slide.percent_lymphocyte_infi
1 NA's
1 376

patient.samples.sample.3.portions.portion.2.slides.slide.percent_monocyte_infilt
0 NA's
1 376

patient.samples.sample.3.portions.portion.2.slides.slide.percent_necrosis:
0 NA's
1 376

patient.samples.sample.3.portions.portion.2.slides.slide.percent_neutrophil_infi
0 NA's
1 376

patient.samples.sample.3.portions.portion.2.slides.slide.percent_normal_cells:
90 NA's
1 376

patient.samples.sample.3.portions.portion.2.slides.slide.percent_stromal_cells:
10 NA's
1 376

patient.samples.sample.3.portions.portion.2.slides.slide.percent_tumor_cells:
0 NA's
1 376

patient.samples.sample.3.portions.portion.2.slides.slide.percent_tumor_nuclei:
0 NA's
1 376

patient.samples.sample.3.portions.portion.2.slides.slide.section_location:
top NA's
1 376

patient.samples.sample.3.portions.portion.2.weight:
30 NA's

1 376

patient.samples.sample.3.portions.portion.2.year_of_creation:
2010 NA's

1 376

patient.samples.sample.3.portions.portion.analytes.analyte.2.a260_a280_ratio:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1.740	1.792	1.820	1.827	1.860	1.940	359

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.2.

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
99021576	108433568	108433596	113293230	112175168	174164279	359

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.2.

7 13 NA's
16 2 359

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.2.

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0.1400	0.1600	0.1650	0.1650	0.1775	0.1800	359

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.2.

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1.000	1.000	1.000	8.222	10.000	30.000	359

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.2.

no NA's
18 359

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.2.

1 3 5 7 NA's
1 11 5 1 359

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.2.

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1.000	6.250	7.000	6.944	8.000	9.000	359

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.2.

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
2.080	3.635	4.270	3.884	4.540	4.810	359

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.2.

23 NA's
18 359

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.2.

13 20 26.7 NA's

3 2 13 359

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.2.
 2011 2012 2014 NA's
 14 3 1 359

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.bi
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 99052749 108433591 132260580 130056535 153887812 174191351 337

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.ce
 7 10 13 NA's
 2 22 16 337

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.co
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 0.1400 0.1700 0.5000 0.3492 0.5000 0.5000 337

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.da
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 1.00 1.00 8.00 12.05 24.00 30.00 337

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.is
 no NA's
 40 337

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.mo
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 1.000 3.000 5.000 5.475 7.000 10.000 337

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.pl
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 1.00 5.00 6.00 5.95 7.25 9.00 337

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.qu
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 2.08 3.35 40.00 23.43 40.00 40.00 337

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.so
 23 NA's
 40 337

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.vo
 13 20 80 NA's
 2 16 22 337

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.ye
 2011 2012 2013 2014 NA's

16 3 19 2 337

patient.samples.sample.3.portions.portion.analytes.analyte.2.amount:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
25.17	44.22	55.16	59.57	78.09	107.82	359

patient.samples.sample.3.portions.portion.analytes.analyte.2.analyte_type:

repli-g (qiagen) dna	rna	NA's
22	18	337

patient.samples.sample.3.portions.portion.analytes.analyte.2.analyte_type_id:

r	w	NA's
18	22	337

patient.samples.sample.3.portions.portion.analytes.analyte.2.concentration:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0.1400	0.1600	0.1650	0.1650	0.1775	0.1800	359

patient.samples.sample.3.portions.portion.analytes.analyte.2.dna.normal_tumor_ge

yes	NA's
22	355

patient.samples.sample.3.portions.portion.analytes.analyte.2.dna.pcr_amplificati

yes	NA's
22	355

patient.samples.sample.3.portions.portion.analytes.analyte.2.gel_image_file:

https://sharedoc.nchri.org/tcga-bcr/default.aspx	40	NA's
		337

patient.samples.sample.3.portions.portion.analytes.analyte.2.is_derived_from_ffp

no	NA's
40	337

patient.samples.sample.3.portions.portion.analytes.analyte.2.protocols.protocol.

mirvana (allprep dna) rna	repli-g	NA's
18	22	337

patient.samples.sample.3.portions.portion.analytes.analyte.2.rna.ratio_28s_18s:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0.900	1.200	1.300	1.357	1.400	2.400	359

patient.samples.sample.3.portions.portion.analytes.analyte.2.rna.rinvalue:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
7.000	7.400	7.800	7.894	8.250	9.300	359

patient.samples.sample.3.portions.portion.analytes.analyte.2.spectrophotometer_m

uv spec	NA's
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18 359

patient.samples.sample.3.portions.portion.analytes.analyte.2.subportion_sequence

1 2 NA's
33 6 338

patient.samples.sample.3.portions.portion.analytes.analyte.3.aliquots.aliquot.bi

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
100476727	100476922	100476956	107078936	106948630	132274159	362

patient.samples.sample.3.portions.portion.analytes.analyte.3.aliquots.aliquot.ce

10 NA's
15 362

patient.samples.sample.3.portions.portion.analytes.analyte.3.aliquots.aliquot.co

0.5 NA's
15 362

patient.samples.sample.3.portions.portion.analytes.analyte.3.aliquots.aliquot.da

	3	11	24	29	NA's
	11	2	1	1	362

patient.samples.sample.3.portions.portion.analytes.analyte.3.aliquots.aliquot.is

no NA's
15 362

patient.samples.sample.3.portions.portion.analytes.analyte.3.aliquots.aliquot.mo

	2	5	7	8	NA's
	1	11	2	1	362

patient.samples.sample.3.portions.portion.analytes.analyte.3.aliquots.aliquot.pl

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
4.000	5.000	6.000	6.533	6.000	12.000	362

patient.samples.sample.3.portions.portion.analytes.analyte.3.aliquots.aliquot.pl

a14s a17q a21j a237 NA's
11 1 1 2 362

patient.samples.sample.3.portions.portion.analytes.analyte.3.aliquots.aliquot.qu

40 NA's
15 362

patient.samples.sample.3.portions.portion.analytes.analyte.3.aliquots.aliquot.so

23 NA's
15 362

patient.samples.sample.3.portions.portion.analytes.analyte.3.aliquots.aliquot.vo

80 NA's
15 362

patient.samples.sample.3.portions.portion.analytes.analyte.3.aliquots.aliquot.ye
 2011 2012 NA's
 12 3 362

patient.samples.sample.3.portions.portion.analytes.analyte.3.analyte_type:
 repli-g (qiagen) dna NA's
 15 362

patient.samples.sample.3.portions.portion.analytes.analyte.3.analyte_type_id:
 w NA's
 15 362

patient.samples.sample.3.portions.portion.analytes.analyte.3.dna.normal_tumor_ge
 yes NA's
 15 362

patient.samples.sample.3.portions.portion.analytes.analyte.3.dna.pcr_amplificati
 yes NA's
 15 362

patient.samples.sample.3.portions.portion.analytes.analyte.3.gel_image_file:
<https://sharedoc.nchri.org/tcga-bcr/default.aspx>
 15
 NA's
 362

patient.samples.sample.3.portions.portion.analytes.analyte.3.is_derived_from_ffp
 no NA's
 15 362

patient.samples.sample.3.portions.portion.analytes.analyte.3.protocols.protocol.
 repli-g NA's
 15 362

patient.samples.sample.3.portions.portion.analytes.analyte.3.subportion_sequence
 1 2 NA's
 12 3 362

patient.samples.sample.3.portions.portion.analytes.analyte.a260_a280_ratio:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 1.760 1.930 1.950 1.972 2.050 2.170 360

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.2.bi
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 108428553 108434075 132214430 128857873 145634906 174189228 339

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.2.ce

1 10 NA's
14 24 339

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.2.co
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
0.0700 0.0800 0.0800 0.1068 0.1475 0.1800 339

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.2.da
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
1.00 1.00 25.50 18.05 30.00 30.00 339

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.2.is
no NA's
38 339

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.2.mo
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
1.000 3.000 3.000 3.711 4.000 7.000 339

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.2.pl
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
3.000 5.000 6.000 5.868 6.000 12.000 339

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.2.qu
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
0.870 1.130 2.800 2.352 3.200 3.600 339

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.2.so
23 NA's
38 339

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.2.vo
6.67 6.7 40 NA's
13 1 24 339

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.2.ye
2011 2012 2013 2014 NA's
14 3 19 2 339

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.3.bi
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
108428628 108433651 108433719 121209953 132160156 174189612 353

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.3.ce
5 10 26 NA's
1 14 9 353

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.3.co

	Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
	0.0700	0.0800	0.0900	0.1117	0.1500	0.1700	353

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.3.da

	Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
	1.00	1.00	1.00	11.38	25.00	30.00	353

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.3.is

no NA's

24 353

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.3.mo

1	3	5	7	NA's
2	18	3	1	353

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.3.pl

	Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
	4.00	5.75	6.00	6.75	6.50	12.00	353

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.3.qu

	Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
	1.500	1.600	2.800	2.525	3.200	3.600	353

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.3.so

23 NA's

24 353

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.3.vo

10	13	40	NA's
9	1	14	353

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.3.ye

2011	2012	2013	2014	NA's
14	3	6	1	353

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.4.bi

	Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
108477220	108477232	108477258	109772985	108477296	122967404		362

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.4.ce

5 NA's

15 362

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.4.co

	Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
	0.1300	0.1450	0.1600	0.1567	0.1700	0.1800	362

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.4.da


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1      5      24 NA's
13     1      1 362

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.4.is
no NA's
15 362

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.4.mo
1      3      7 NA's
1     13     1 362

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.4.pl
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
4.000 5.500 6.000 6.667 6.000 12.000 362

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.4.pl
a132 a16x a20z NA's
13     1      1 362

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.4.qu
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
2.080 3.740 4.010 3.883 4.540 4.810 362

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.4.so
23 NA's
15 362

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.4.vo
13 26.7 NA's
2   13 362

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.4.ye
2011 2012 NA's
14     1 362

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.5.bi
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
175156138 175156146 175156164 175156172 175156200 175156213 371

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.5.ce
10 NA's
6 371

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.5.co
0.07 0.08 0.09 NA's
2     3     1 371

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.5.da
23 NA's

```

6 371

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.5.is
no NA's

6 371

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.5.mo
7 NA's

6 371

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.5.pl

1 4 NA's

4 2 371

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.5.pl
a45c NA's

6 371

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.5.qu
0.94 1.07 1.21 NA's

2 3 1 371

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.5.so
23 NA's

6 371

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.5.vo
13.4 NA's

6 371

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.5.ye
2014 NA's

6 371

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.bios

	Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
99052819	108433482	132159521	126869860	145634911	174191148		336

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.cent

1 2 5 NA's

24 14 3 336

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.conc

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0.1300	0.1500	0.1600	0.1578	0.1700	0.1800	336

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.day_

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1.00	1.00	25.00	17.49	30.00	30.00	336

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.is_d
no NA's
41 336

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.mon
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
1.000 3.000 3.000 3.805 5.000 7.000 336

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.plat
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
3.000 5.000 6.000 5.951 6.000 12.000 336

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.quant
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
0.940 1.070 1.140 1.631 1.950 4.810 336

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.sour
23 NA's
41 336

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.vol
6.7 10 13 26.7 NA's
24 1 13 3 336

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.year
2011 2012 2013 2014 NA's
17 3 19 2 336

patient.samples.sample.3.portions.portion.analytes.analyte.amount:
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
11.40 22.68 26.65 29.52 31.11 63.05 336

patient.samples.sample.3.portions.portion.analytes.analyte.analyte_type:
dna NA's
41 336

patient.samples.sample.3.portions.portion.analytes.analyte.analyte_type_id:
d NA's
41 336

patient.samples.sample.3.portions.portion.analytes.analyte.concentration:
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
0.1300 0.1500 0.1600 0.1578 0.1700 0.1800 336

patient.samples.sample.3.portions.portion.analytes.analyte.dna.normal_tumor_gen
yes NA's
41 336

patient.samples.sample.3.portions.portion.analytes.analyte.dna.pcr_amplification
 yes NA's
 41 336

patient.samples.sample.3.portions.portion.analytes.analyte.gel_image_file:
<https://sharedoc.nchri.org/tcga-bcr/default.aspx>
 41
 NA's
 336

patient.samples.sample.3.portions.portion.analytes.analyte.is_derived_from_ffpe:
 no NA's
 41 336

patient.samples.sample.3.portions.portion.analytes.analyte.protocols.protocol.ex
 adna preparation type NA's
 41 336

patient.samples.sample.3.portions.portion.analytes.analyte.spectrophotometer_met
 picogreen uv spec NA's
 24 17 336

patient.samples.sample.3.portions.portion.analytes.analyte.subportion_sequence:
 1 2 NA's
 34 6 337

patient.samples.sample.3.portions.portion.day_of_creation:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 1.00 6.00 14.00 14.29 20.00 31.00 336

patient.samples.sample.3.portions.portion.is_ffpe:
 no NA's
 41 336

patient.samples.sample.3.portions.portion.month_of_creation:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 1.000 2.000 11.000 7.171 11.000 12.000 336

patient.samples.sample.3.portions.portion.portion_number:
 1 11 12 NA's
 1 34 6 336

patient.samples.sample.3.portions.portion.portion_sequence:
 1 NA's
 39 338

patient.samples.sample.3.portions.portion.slides.slide.is_derived_from_ffpe:
no NA's
40 337

patient.samples.sample.3.portions.portion.slides.slide.percent_lymphocyte_infiltration:
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
0.0 1.0 3.0 3.8 5.0 14.0 337

patient.samples.sample.3.portions.portion.slides.slide.percent_monocyte_infiltration:
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
0.0 0.0 0.0 0.7 1.0 6.0 337

patient.samples.sample.3.portions.portion.slides.slide.percent_necrosis:
0 NA's
40 337

patient.samples.sample.3.portions.portion.slides.slide.percent_neutrophil_infiltration:
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
0.00 0.00 0.00 0.55 0.00 6.00 337

patient.samples.sample.3.portions.portion.slides.slide.percent_normal_cells:
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
0.0 80.0 90.0 87.3 100.0 100.0 337

patient.samples.sample.3.portions.portion.slides.slide.percent_stromal_cells:
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
0.0 0.0 10.0 10.7 20.0 40.0 337

patient.samples.sample.3.portions.portion.slides.slide.percent_tumor_cells:
0 80 NA's
39 1 337

patient.samples.sample.3.portions.portion.slides.slide.percent_tumor_nuclei:
0 80 NA's
39 1 337

patient.samples.sample.3.portions.portion.slides.slide.section_location:
top NA's
40 337

patient.samples.sample.3.portions.portion.weight:
2 10 30 NA's
1 1 39 336

patient.samples.sample.3.portions.portion.year_of_creation:
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
2010 2011 2012 2012 2012 2014 336

patient.samples.sample.3.sample_type:
blood derived normal recurrent tumor solid tissue normal
1 1 39
NA's

336

patient.samples.sample.3.sample_type_id:

2	10	11	NA's
1	1	39	336

patient.samples.sample.3.vial_number:

a	b	NA's
40	1	336

patient.samples.sample.4.bcr_sample_barcode:

tcga-dd-aaca-10a	NA's
1	376

patient.samples.sample.4.bcr_sample_uuid:

370388d3-8c31-4a40-9599-5eac9a502e01	NA's
1	376

patient.samples.sample.4.days_to_collection:

2057	NA's
1	376

patient.samples.sample.4.is_ffpe:

no	NA's
1	376

patient.samples.sample.4.oct_embedded:

false	NA's
1	376

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.2.bo

tcga-dd-aaca-10a-01d-a40u-10	NA's
1	376

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.2.bo

99678528-a049-4ed5-9eb9-d70563f8d53f	NA's
1	376

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.2.bi

174191087	NA's
1	376

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.2.ce

10	NA's
1	376

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.2.co

0.07	NA's
1	376

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.2.da

28	NA's
----	------

1 376

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.2.is
no NA's
1 376

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.2.mo
5 NA's
1 376

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.2.pl
1 NA's
1 376

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.2.pl
a40u NA's
1 376

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.2.pl
e NA's
1 376

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.2.qu
2.8 NA's
1 376

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.2.so
23 NA's
1 376

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.2.vo
40 NA's
1 376

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.2.ye
2014 NA's
1 376

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.bcr_
tcga-dd-aaca-10a-01d-a40t-01 NA's
1 376

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.bcr_
51717965-6d92-4062-bb9f-d0b8e2416ea5 NA's
1 376

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.bios
174191471 NA's
1 376

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.cent
1 NA's

1 376

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.conc
0.14 NA's

1 376

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.day_
28 NA's

1 376

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.is_d
no NA's

1 376

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.mont
5 NA's

1 376

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.plat
1 NA's

1 376

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.plat
a40t NA's

1 376

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.plat
e NA's

1 376

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.quan
0.94 NA's

1 376

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.sour
23 NA's

1 376

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.volu
6.7 NA's

1 376

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.year
2014 NA's

1 376

patient.samples.sample.4.portions.portion.analytes.analyte.amount:
13.72 NA's

1 376

patient.samples.sample.4.portions.portion.analytes.analyte.analyte_type:
dna NA's

1 376

patient.samples.sample.4.portions.portion.analytes.analyte.analyte_type_id:
d NA's
1 376

patient.samples.sample.4.portions.portion.analytes.analyte.bcr_analyte_barcode:
tcga-dd-aaca-10a-01d NA's
1 376

patient.samples.sample.4.portions.portion.analytes.analyte.bcr_analyte_uuid:
0cd660db-f280-423d-aea3-27d5a137f47c NA's
1 376

patient.samples.sample.4.portions.portion.analytes.analyte.concentration:
0.14 NA's
1 376

patient.samples.sample.4.portions.portion.analytes.analyte.dna.normal_tumor_genotype:
yes NA's
1 376

patient.samples.sample.4.portions.portion.analytes.analyte.dna.pcr_amplification:
yes NA's
1 376

patient.samples.sample.4.portions.portion.analytes.analyte.gel_image_file:
<https://sharedoc.nchri.org/tcga-bcr/default.aspx>
1
NA's
376

patient.samples.sample.4.portions.portion.analytes.analyte.is_derived_from_ffpe:
no NA's
1 376

patient.samples.sample.4.portions.portion.analytes.analyte.protocols.protocol.extracted:
pre-extracted dna received by tss NA's
1 376

patient.samples.sample.4.portions.portion.analytes.analyte.spectrophotometer_method:
picogreen NA's
1 376

patient.samples.sample.4.portions.portion.bcr_portion_barcode:
tcga-dd-aaca-10a-01 NA's
1 376

patient.samples.sample.4.portions.portion.bcr_portion_uuid:
0332dc9d-59b8-4e2a-a84d-eb311ef49a6d NA's
1 376

patient.samples.sample.4.portions.portion.day_of_creation:

19 NA's
1 376

patient.samples.sample.4.portions.portion.is_ffpe:

no NA's
1 376

patient.samples.sample.4.portions.portion.month_of_creation:

3 NA's
1 376

patient.samples.sample.4.portions.portion.portion_number:

1 NA's
1 376

patient.samples.sample.4.portions.portion.year_of_creation:

2014 NA's
1 376

patient.samples.sample.4.sample_type:

blood derived normal NA's
1 376

patient.samples.sample.4.sample_type_id:

10 NA's
1 376

patient.samples.sample.4.vial_number:

a NA's
1 376

patient.samples.sample.days_to_collection:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
7.0	155.5	519.0	1054.4	1693.5	6014.0	3

patient.samples.sample.diagnostic_slides.ffpe_slide_uuid.10:

bf1b9375-342f-4e13-b6dd-5f9014d6b494 NA's
1 376

patient.samples.sample.diagnostic_slides.ffpe_slide_uuid.3:

4fb46d36-e67a-4f82-b468-d4ad35c0018c 51970b1c-986d-4e91-a5cc-ac040a881f94
1 1
NA's
375

patient.samples.sample.diagnostic_slides.ffpe_slide_uuid.4:

8bb3b05f-d945-4854-8760-dd160e7cf5ac NA's

	1	376
patient.samples.sample.diagnostic_slides.ffpe_slide_uuid.5: 871a8acd-a955-41c7-8ebc-e9b3f548141b	1	NA's 376
patient.samples.sample.diagnostic_slides.ffpe_slide_uuid.6: b0bf2c3a-8a5b-4615-b4a5-cacecdd92ae9	1	NA's 376
patient.samples.sample.diagnostic_slides.ffpe_slide_uuid.7: c7821747-7d73-4273-8a55-9d9a5c55c9e6	1	NA's 376
patient.samples.sample.diagnostic_slides.ffpe_slide_uuid.8: fa5838e7-a023-4335-b68b-01b6a3049628	1	NA's 376
patient.samples.sample.diagnostic_slides.ffpe_slide_uuid.9: b308f2e4-0f6b-4c4e-b8f7-d3de1e476408	1	NA's 376
patient.samples.sample.initial_weight:		
Min. 1st Qu. Median Mean 3rd Qu. Max.		
10.0 70.0 160.0 270.8 300.0 2190.0		
patient.samples.sample.is_ffpe:		
no		
377		
patient.samples.sample.oct_embedded:		
false true		
101 276		
patient.samples.sample.portions.portion.analytes.analyte.2.a260_a280_ratio:		
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's		
1.66 1.83 1.86 1.86 1.89 2.15 1		
patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.2.bi		
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's		
99015792 122967831 160339188 148396220 167788086 174164351 1		
patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.2.co		
7 13 NA's		
174 202 1		
patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.2.co		
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's		

```

0.140  0.160  0.170  0.168  0.170  0.180      1
patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.2.da
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.    NA's
  1.00  24.00  26.00  23.35  28.00  31.00     1
patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.2.is
  no NA's
  376    1
patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.2.mo
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.    NA's
  1.00   3.00   4.00   4.58   5.00  12.00     1
patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.2.pl
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.    NA's
  1.000  3.000  6.000  5.763  9.000 12.000     1
patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.2.qu
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.    NA's
  1.950  2.308  3.200  3.079  3.400  4.810     1
patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.2.so
  23 NA's
  376    1
patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.2.vo
  13  20 26.7 NA's
 130 202  44    1
patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.2.ye
2011 2012 2013 2014 NA's
  58  40 106 172    1
patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.3.bo
tcga-dd-aacm-01a-11r-a466-07 tcga-dd-aade-01a-11r-a466-07
                                1                                1
tcga-dd-aae8-01a-11r-a466-07 tcga-g3-a25w-01a-11r-a466-07
                                1                                1
                                NA's
                                373
patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.3.bo
218cd2c9-2cc9-4768-b12a-781d702ecc8c b5fd76f5-8ec0-42e9-a4b4-b90c7ba29f8c
                                1                                1
c7939e09-181c-4b9b-b6b1-92490e43946a fb84f0b6-1ea0-45fb-b23f-138bde4ec423
                                1                                1
                                NA's
                                373

```

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.3.bi
167812944 167812945 167812946 167812965 NA's
1 1 1 1 373

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.3.ce
7 NA's
4 373

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.3.co
0.17 0.18 NA's
2 2 373

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.3.da
9 NA's
4 373

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.3.is
no NA's
4 373

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.3.mo
12 NA's
4 373

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.3.pl
1 2 3 NA's
1 1 2 373

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.3.pl
a466 NA's
4 373

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.3.pl
c d NA's
1 3 373

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.3.qu
1.12 1.19 NA's
2 2 373

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.3.so
23 NA's
4 373

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.3.vo
6.6 NA's
4 373

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.3.ye
2014 NA's
4 373

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.bios
 Min. 1st Qu. Median Mean 3rd Qu. Max.
 99052748 122969249 160339667 148887238 167787985 174191423

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.cent
 7 10 13
 202 1 174

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.conc
 Min. 1st Qu. Median Mean 3rd Qu. Max.
 0.1400 0.1600 0.1700 0.1688 0.1700 0.5000

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.day_
 Min. 1st Qu. Median Mean 3rd Qu. Max.
 1.00 24.00 26.00 23.34 28.00 31.00

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.is_d
 no
 377

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.mont
 Min. 1st Qu. Median Mean 3rd Qu. Max.
 1.000 3.000 4.000 4.584 5.000 12.000

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.plat
 Min. 1st Qu. Median Mean 3rd Qu. Max.
 1.000 3.000 6.000 5.751 9.000 12.000

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.quant
 Min. 1st Qu. Median Mean 3rd Qu. Max.
 1.950 2.210 2.340 2.824 3.400 40.000

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.sour
 23
 377

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.vol
 13 20 80
 202 174 1

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.year
 2011 2012 2013 2014
 59 40 106 172

patient.samples.sample.portions.portion.analytes.analyte.2.amount:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 8.88 45.68 64.16 63.69 79.78 154.41 1

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.bios
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 100476721 122970884 153889296 144431502 167788717 167803191 87

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.cent
 10 NA's
 290 87

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.conc
 0.5 NA's
 290 87

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.day_
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 3.00 8.00 8.00 14.21 24.00 29.00 87

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.is_d
 no NA's
 290 87

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.mont
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 1.000 5.000 7.000 5.552 7.000 11.000 87

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.plat
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 1.000 1.000 2.000 2.731 3.000 9.000 87

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.quant
 40 NA's
 290 87

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.sour
 23 NA's
 290 87

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.volu
 80 NA's
 290 87

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.year
 2011 2012 2013 2014 NA's
 58 40 53 139 87

patient.samples.sample.portions.portion.analytes.analyte.3.analyte_type:
 repli-g (qiagen) dna NA's
 290 87

patient.samples.sample.portions.portion.analytes.analyte.3.analyte_type_id:
 w NA's

290 87

patient.samples.sample.portions.portion.analytes.analyte.3.dna.normal_tumor_genome
yes NA's
290 87

patient.samples.sample.portions.portion.analytes.analyte.3.dna.pcr_amplification
yes NA's
290 87

patient.samples.sample.portions.portion.analytes.analyte.3.gel_image_file:
<https://sharedoc.nchri.org/tcga-bcr/default.aspx>
290
NA's
87

patient.samples.sample.portions.portion.analytes.analyte.3.is_derived_from_ffpe:
no NA's
290 87

patient.samples.sample.portions.portion.analytes.analyte.3.protocols.protocol.experimental
repli-g NA's
290 87

patient.samples.sample.portions.portion.analytes.analyte.3.subportion_sequence:
1 2 3 NA's
252 25 1 99

patient.samples.sample.portions.portion.analytes.analyte.a260_a280_ratio:
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
1.450 1.863 1.930 1.917 1.980 2.140 323

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.2.biospecimen_id:
Min. 1st Qu. Median Mean 3rd Qu. Max.
99021638 122967437 160340715 149062069 167822072 174190669

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.2.centromere_content:
1 2 10
55 4 318

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.2.concentration:
Min. 1st Qu. Median Mean 3rd Qu. Max.
0.07000 0.08000 0.08000 0.09164 0.08000 0.18000

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.2.day_of_year:
Min. 1st Qu. Median Mean 3rd Qu. Max.
1 24 26 23 28 30

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.2.is_d
no
377

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.2.mont
Min. 1st Qu. Median Mean 3rd Qu. Max.
1.000 3.000 4.000 4.592 5.000 12.000

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.2.plat
Min. 1st Qu. Median Mean 3rd Qu. Max.
1.000 2.000 3.000 3.499 4.000 12.000

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.2.quant
Min. 1st Qu. Median Mean 3rd Qu. Max.
0.870 2.800 3.200 2.831 3.200 3.600

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.2.sour
23
377

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.2.volun
6.67 6.7 10 40
38 17 4 318

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.2.year
2011 2012 2013 2014
59 40 106 172

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.3.bios
Min. 1st Qu. Median Mean 3rd Qu. Max.
97506928 122969448 160356256 148832045 167788178 174190438

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.3.cent
1 5 10 26
4 282 55 36

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.3.conc
Min. 1st Qu. Median Mean 3rd Qu. Max.
0.0700 0.1500 0.1500 0.1454 0.1600 0.1800

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.3.day_
Min. 1st Qu. Median Mean 3rd Qu. Max.
1.0 16.0 26.0 21.4 28.0 31.0

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.3.is_d
no
377

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.3.mont
 Min. 1st Qu. Median Mean 3rd Qu. Max.
 1.000 3.000 5.000 4.743 5.000 12.000

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.3.plat
 Min. 1st Qu. Median Mean 3rd Qu. Max.
 1.000 2.000 3.000 3.499 4.000 12.000

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.3.quant
 Min. 1st Qu. Median Mean 3rd Qu. Max.
 0.990 1.950 2.080 2.152 2.210 3.600

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.3.sour
 23
 377

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.3.vol
 6.6 10 13 40
 4 36 282 55

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.3.year
 2011 2012 2013 2014
 59 40 106 172

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.4.bios
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 99052778 108477279 122967384 119359382 122971446 167814094 253

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.4.cent
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 1.000 5.000 5.000 9.468 9.000 26.000 253

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.4.conc
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 0.070 0.150 0.160 0.153 0.160 0.180 253

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.4.day_
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 1.00 1.00 24.00 15.81 25.00 31.00 253

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.4.is_d
 no NA's
 124 253

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.4.mont
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 1.000 1.000 3.000 3.371 5.000 9.000 253

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.4.plat
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 1.00 1.00 2.00 2.29 3.00 5.00 253

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.4.quant
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 0.460 1.820 2.080 2.752 4.270 4.810 253

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.4.sour
 23 NA's
 124 253

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.4.vol
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 6.60 13.00 13.00 18.12 26.70 40.00 253

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.4.year
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 2011 2011 2012 2012 2012 2015 253

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.5.bios
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 113422285 167810844 175156131 161451537 175156135 175156214 360

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.5.cent
 9 10 NA's
 2 15 360

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.5.conc
 0.07 0.08 0.09 NA's
 3 13 1 360

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.5.day_
 5 11 23 29 NA's
 1 4 11 1 360

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.5.is_d
 no NA's
 17 360

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.5.mont
 2 3 4 7 NA's
 1 2 2 12 360

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.5.plat
 1 2 3 NA's
 6 4 7 360

```

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.5.quant
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.   NA's
0.460  1.070  1.070   2.727  1.070  11.520   360

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.5.sour
23 NA's
17 360

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.5.volu
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.   NA's
 6.6   13.4   13.4   35.8   13.4   144.0   360

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.5.year
2011 2012 2014 2015 NA's
  1    3   11    2  360

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.6.bcr_
tcga-cc-5262-01a-01d-a45c-10 tcga-dd-a11b-01a-11d-a45c-10
                                1                                1
                                NA's
                                375

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.6.bcr_
def07149-7156-43a0-b57e-1d4a6ce668bf f9ad928a-a5ad-42bc-b50d-8f2bad874fd2
                                1                                1
                                NA's
                                375

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.6.bios
175156136 175156186      NA's
              1              1      375

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.6.cent
10 NA's
 2 375

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.6.conc
0.07 0.08 NA's
  1   1  375

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.6.day_
23 NA's
 2 375

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.6.is_d
no NA's
 2 375

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.6.mont
 7 NA's

```

2 375

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.6.plat

1 2 NA's

1 1 375

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.6.plat

a45c NA's

2 375

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.6.plat

a f NA's

1 1 375

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.6.quant

0.94 1.07 NA's

1 1 375

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.6.sour

23 NA's

2 375

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.6.vol

13.4 NA's

2 375

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.6.year

2014 NA's

2 375

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.biospe

	Min.	1st Qu.	Median	Mean	3rd Qu.	Max.
97508891	122848291	160355288	149199803	167822066	174191231	

97508891 122848291 160355288 149199803 167822066 174191231

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.center

	1	2	5
318	55	4	

318 55 4

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.concen

	Min.	1st Qu.	Median	Mean	3rd Qu.	Max.
0.1300	0.1500	0.1600	0.1572	0.1600	0.1800	

0.1300 0.1500 0.1600 0.1572 0.1600 0.1800

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.day_of

	Min.	1st Qu.	Median	Mean	3rd Qu.	Max.
1.0	25.0	26.0	23.2	28.0	31.0	

1.0 25.0 26.0 23.2 28.0 31.0

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.is_der

no

377

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.month_

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.
1.000	3.000	4.000	4.289	5.000	10.000

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.plate_

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.
1.000	2.000	3.000	3.562	4.000	12.000

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.quantit

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.
0.94	1.01	1.07	1.20	1.14	2.34

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.source

23
377

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.volume

6.7	10	13
318	10	49

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.year_o

2011	2012	2013	2014
59	40	96	182

patient.samples.sample.portions.portion.analytes.analyte.amount:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.
4.86	23.08	31.94	36.01	42.85	149.78

patient.samples.sample.portions.portion.analytes.analyte.analyte_type:

dna
377

patient.samples.sample.portions.portion.analytes.analyte.analyte_type_id:

d
377

patient.samples.sample.portions.portion.analytes.analyte.concentration:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.
0.1300	0.1500	0.1600	0.1572	0.1600	0.1800

patient.samples.sample.portions.portion.analytes.analyte.dna.normal_tumor_genoty

yes
377

patient.samples.sample.portions.portion.analytes.analyte.dna.pcr_amplification_s

yes
377

patient.samples.sample.portions.portion.analytes.analyte.gel_image_file:
<https://sharedoc.nchri.org/tcga-bcr/default.aspx>
 377

patient.samples.sample.portions.portion.analytes.analyte.is_derived_from_ffpe:
 no
 377

patient.samples.sample.portions.portion.analytes.analyte.protocols.protocol.expe
 adna preparation type
 377

patient.samples.sample.portions.portion.analytes.analyte.spectrophotometer_metho
 picogreen uv spec
 323 54

patient.samples.sample.portions.portion.analytes.analyte.subportion_sequence:
 1 2 3 NA's
 337 27 1 12

patient.samples.sample.portions.portion.day_of_creation:
 Min. 1st Qu. Median Mean 3rd Qu. Max.
 1.00 6.00 12.00 13.52 22.00 31.00

patient.samples.sample.portions.portion.is_ffpe:
 no
 377

patient.samples.sample.portions.portion.month_of_creation:
 Min. 1st Qu. Median Mean 3rd Qu. Max.
 1.00 2.00 4.00 5.82 9.00 12.00

patient.samples.sample.portions.portion.portion_number:
 Min. 1st Qu. Median Mean 3rd Qu. Max.
 1.0 11.0 11.0 11.5 11.0 51.0

patient.samples.sample.portions.portion.portion_sequence:
 1 2 3 5 NA's
 201 10 2 1 163

patient.samples.sample.portions.portion.slides.slide.2.is_derived_from_ffpe:
 no NA's
 23 354

patient.samples.sample.portions.portion.slides.slide.2.percent_lymphocyte_infilt
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 0.000 0.000 2.000 1.826 2.000 10.000 354

patient.samples.sample.portions.portion.slides.slide.2.percent_monocyte_infiltration:
 0 1 2 NA's
 19 2 2 354

patient.samples.sample.portions.portion.slides.slide.2.percent_necrosis:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 0.000 0.000 0.000 1.956 2.500 20.000 354

patient.samples.sample.portions.portion.slides.slide.2.percent_neutrophil_infiltration:
 0 2 NA's
 22 1 354

patient.samples.sample.portions.portion.slides.slide.2.percent_normal_cells:
 0 4 5 NA's
 21 1 1 354

patient.samples.sample.portions.portion.slides.slide.2.percent_stromal_cells:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 0.00 5.50 10.00 11.83 15.00 40.00 354

patient.samples.sample.portions.portion.slides.slide.2.percent_tumor_cells:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 60.00 80.00 90.00 85.83 93.50 100.00 354

patient.samples.sample.portions.portion.slides.slide.2.percent_tumor_nuclei:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 60.0 82.5 90.0 86.3 94.0 97.0 354

patient.samples.sample.portions.portion.slides.slide.2.section_location:
 bottom top NA's
 1 22 354

patient.samples.sample.portions.portion.slides.slide.is_derived_from_ffpe:
 no
 377

patient.samples.sample.portions.portion.slides.slide.percent_lymphocyte_infiltration:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 0.000 0.000 2.000 2.819 3.000 100.000 6

patient.samples.sample.portions.portion.slides.slide.percent_monocyte_infiltration:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 0.000 0.000 0.000 0.407 1.000 10.000 6

patient.samples.sample.portions.portion.slides.slide.percent_necrosis:
 Min. 1st Qu. Median Mean 3rd Qu. Max.
 0.000 0.000 0.000 1.355 1.000 20.000

```

patient.samples.sample.portions.portion.slides.slide.percent_neutrophil_infiltra
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.    NA's
  0.0000  0.0000  0.0000  0.4636  1.0000  4.0000     6

patient.samples.sample.portions.portion.slides.slide.percent_normal_cells:
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.
  0.0000  0.0000  0.0000  0.9363  0.0000  50.0000

patient.samples.sample.portions.portion.slides.slide.percent_stromal_cells:
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.
  0.00    0.00    8.00   10.47   15.00   62.00

patient.samples.sample.portions.portion.slides.slide.percent_tumor_cells:
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.
  30.00   80.00   90.00   87.23  100.00  100.00

patient.samples.sample.portions.portion.slides.slide.percent_tumor_nuclei:
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.
  45.00   80.00   85.00   84.47   95.00  100.00

patient.samples.sample.portions.portion.slides.slide.section_location:
bottom    top
   28     349

patient.samples.sample.portions.portion.weight:
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.
  10.0   30.0   30.0   28.2   30.0   56.0

patient.samples.sample.portions.portion.year_of_creation:
2010 2011 2012 2013 2014
  28  63  35  95  156

patient.samples.sample.portions.shipment_portion.center_id:
  20 NA's
 184 193

patient.samples.sample.portions.shipment_portion.is_ffpe:
  no NA's
 184 193

patient.samples.sample.portions.shipment_portion.plate_id:
a40l a40m a40n NA's
  81  81  22  193

patient.samples.sample.portions.shipment_portion.portion_number:
  11  21  41 NA's
   7 176  1  193

patient.samples.sample.portions.shipment_portion.portion_sequence:
  1  2  4 NA's
  7 168  1  201

```

```

patient.samples.sample.portions.shipment_portion.shipment_portion_day_of_shipmen
  4 NA's
184 193

patient.samples.sample.portions.shipment_portion.shipment_portion_month_of_shipm
  6 NA's
184 193

patient.samples.sample.portions.shipment_portion.shipment_portion_year_of_shipme
2014 NA's
184 193

patient.samples.sample.sample_type:
primary tumor
      377

patient.samples.sample.sample_type_id:
  1
377

patient.samples.sample.vial_number:
  a  b
375 2

```

LUAD

Lung adenocarcinoma

Description

A document describing the TCGA cancer code

Details

```

> experiments( LUAD )
ExperimentList classobject of length 13:
 [1] CNASeq-20160128: RaggedExperiment with 399592 rows and 249 columns
 [2] CNASNP-20160128: RaggedExperiment with 501475 rows and 1095 columns
 [3] CNVSNP-20160128: RaggedExperiment with 115836 rows and 1095 columns
 [4] GISTIC_AllByGene-20160128: SummarizedExperiment with 24776 rows and 516 col
 [5] GISTIC_ThresholdedByGene-20160128: SummarizedExperiment with 24776 rows and
 [6] Methylation_methyl27-20160128: SummarizedExperiment with 27578 rows and 89
 [7] Methylation_methyl450-20160128: SummarizedExperiment with 485577 rows and 4
 [8] miRNASeqGene-20160128: SummarizedExperiment with 1046 rows and 498 columns
 [9] mRNAArray-20160128: SummarizedExperiment with 17814 rows and 32 columns
 [10] Mutation-20160128: RaggedExperiment with 72541 rows and 230 columns
 [11] RNASeq2GeneNorm-20160128: SummarizedExperiment with 20501 rows and 576 col
 [12] RNASeqGene-20160128: SummarizedExperiment with 20502 rows and 162 columns
 [13] RPPAArray-20160128: SummarizedExperiment with 223 rows and 365 columns

```

```

> rownames( LUAD )
CharacterList of length 13
[["CNASeq-20160128"]] character(0)
[["CNASNP-20160128"]] character(0)
[["CNVSNP-20160128"]] character(0)
[["GISTIC_AllByGene-20160128"]] ACAP3 ACTRT2 ... WASIR1|ENSG00000185203.7
[["GISTIC_ThresholdedByGene-20160128"]] ACAP3 ... WASIR1|ENSG00000185203.7
[["Methylation_methyl27-20160128"]] cg00000292 cg00002426 ... cg27665659
[["Methylation_methyl450-20160128"]] cg00000029 cg00000108 ... rs9839873
[["miRNASeqGene-20160128"]] hsa-let-7a-1 hsa-let-7a-2 ... hsa-mir-99b
[["mRNAArray-20160128"]] ELMO2 CREB3L1 RPS11 PNMA1 ... SLC39A6 SNRPD2 AQP7 CTSC
[["Mutation-20160128"]] character(0)
...
<3 more elements>

```

```

> colnames( LUAD )
CharacterList of length 13
[["CNASeq-20160128"]] TCGA-05-4249-01A-01D-1103-02 ...
[["CNASNP-20160128"]] TCGA-05-4244-01A-01D-1877-01 ...
[["CNVSNP-20160128"]] TCGA-05-4244-01A-01D-1877-01 ...
[["GISTIC_AllByGene-20160128"]] TCGA-05-4244-01A-01D-1877-01 ...
[["GISTIC_ThresholdedByGene-20160128"]] TCGA-05-4244-01A-01D-1877-01 ...
[["Methylation_methyl27-20160128"]] TCGA-05-4244-01A-01D-1104-05 ...
[["Methylation_methyl450-20160128"]] TCGA-05-4384-01A-01D-1756-05 ...
[["miRNASeqGene-20160128"]] TCGA-05-4384-01A-01T-1754-13 ...
[["mRNAArray-20160128"]] TCGA-05-4244-01A-01R-1107-07 ...
[["Mutation-20160128"]] TCGA-05-4249-01A-01D-1105-08 ...
...
<3 more elements>

```

Sizes of each ExperimentList element:

		assay	size.Mb
1	CNASeq-20160128		10.8 Mb
2	CNASNP-20160128		13.7 Mb
3	CNVSNP-20160128		3.4 Mb
4	GISTIC_AllByGene-20160128		4.4 Mb
5	GISTIC_ThresholdedByGene-20160128		4.4 Mb
6	Methylation_methyl27-20160128		4.4 Mb
7	Methylation_methyl450-20160128		67.5 Mb
8	miRNASeqGene-20160128		0.1 Mb
9	mRNAArray-20160128		1 Mb
10	Mutation-20160128		88.8 Mb
11	RNASeq2GeneNorm-20160128		1.2 Mb
12	RNASeqGene-20160128		1.1 Mb
13	RPPAArray-20160128		0 Mb

Overall survival time-to-event summary (in years):

Call: survfit(formula = survival::Surv(colDat\$days_to_death/365, colDat\$vital_status - 1)

336 observations deleted due to missingness
 n events median 0.95LCL 0.95UCL
 184.00 184.00 1.70 1.37 2.00

 Available sample meta-data:

years_to_birth:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 33.00 59.00 66.00 65.22 72.00 88.00 31

vital_status:
 0 1
 332 188

days_to_death:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 0.0 297.8 619.0 791.4 1120.0 4961.0 336

days_to_last_followup:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 0.0 459.5 670.0 968.7 1139.0 7248.0 193

tumor_tissue_site:
 lung
 520

gender:
 female male
 279 241

date_of_initial_pathologic_diagnosis:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 1991 2007 2010 2008 2011 2013 19

days_to_last_known_alive:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 9.0 96.5 141.0 327.6 386.0 1178.0 513

radiation_therapy:
 no yes NA's
 413 61 46

karnofsky_performance_score:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0.00	80.00	90.00	78.55	100.00	100.00	382

number_pack_years_smoked:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0.15	20.50	40.00	41.79	50.00	154.00	165

year_of_tobacco_smoking_onset:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1930	1956	1965	1965	1972	1999	241

residual_tumor:

r0	r1	r2	rx	NA's
347	13	4	26	130

race:

american indian or alaska native	1	asian	8
black or african american	53	white	392
NA's	66		

ethnicity:

hispanic or latino	7	not hispanic or latino	388	NA's	125
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admin.bcr:

nationwide children's hospital	520
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admin.day_of_dcc_upload:

1	520
---	-----

admin.disease_code:

luad	520
------	-----

admin.month_of_dcc_upload:

10	520
----	-----

admin.patient_withdrawal.withdrawn:

false	520
-------	-----

admin.project_code:

tcga
520

admin.year_of_dcc_upload:
2015
520

patient.additional_studies.additional_study.disease_code:
fppp NA's
12 508

patient.additional_studies.additional_study.project_code:
tcga NA's
12 508

patient.age_at_initial_pathologic_diagnosis:
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
33.00 59.00 66.00 65.32 73.00 88.00 19

patient.anatomic_neoplasm_subdivision_other:
all 3 lobes of rt lung lingula right upper, lower
1 1 1
rul and rml NA's
1 516

patient.clinical_cqcf.consent_or_death_status:
consented deceased waiver
449 65 6

patient.clinical_cqcf.days_to_consent:
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
-81.00 -1.00 0.00 71.27 29.00 6812.00 90

patient.clinical_cqcf.days_to_death:
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
22.0 336.0 864.0 902.7 1235.0 3169.0 455

patient.clinical_cqcf.history_of_neoadjuvant_treatment:
no
517
yes, pharmaceutical treatment prior to resection
3

patient.clinical_cqcf.history_of_prior_malignancy:
no
426
yes, history of prior malignancy

75
 yes, history of synchronous and or bilateral malignancy
 16
 NA's
 3

patient.clinical_cqcf.normal_tissue_anatomic_site:
 bronchus lung other NA's
 1 232 12 275

patient.clinical_cqcf.normal_tissue_proximity:
 distal (>2cm) NA's
 96 424

patient.clinical_cqcf.tumor_type:
 primary
 520

patient.day_of_form_completion:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 1.00 8.00 16.00 16.01 23.00 31.00 3

patient.days_to_birth:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 -32432 -26625 -24411 -24010 -21734 -12179 31

patient.days_to_death:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 0 278 677 855 1182 4961 397

patient.days_to_initial_pathologic_diagnosis:
 0 NA's
 501 19

patient.days_to_last_followup:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 0.0 35.0 162.0 454.4 513.0 6812.0 133

patient.days_to_last_known_alive:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 9.0 96.5 141.0 327.6 386.0 1178.0 513

patient.diagnosis:
 lung adenocarcinoma
 520

patient.dlco_predictive_percent:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 1.00 57.00 73.00 73.34 87.25 178.00 320


```

patient.drugs.drug.10.bcr_drug_barcode:
tcga-53-7624-d39739          NA's
      1                      519

patient.drugs.drug.10.bcr_drug_uuid:
eac0a9fd-301b-48f7-afd2-499dfe2f0418          NA's
      1                      519

patient.drugs.drug.10.day_of_form_completion:
31 NA's
  1  519

patient.drugs.drug.10.days_to_drug_therapy_end:
490 NA's
  1  519

patient.drugs.drug.10.days_to_drug_therapy_start:
339 NA's
  1  519

patient.drugs.drug.10.drug_name:
pemetrexed          NA's
      1              519

patient.drugs.drug.10.measure_of_response:
clinical progressive disease          NA's
      1                              519

patient.drugs.drug.10.month_of_form_completion:
1 NA's
  1  519

patient.drugs.drug.10.therapy_ongoing:
no NA's
  1  519

patient.drugs.drug.10.therapy_types.therapy_type:
chemotherapy          NA's
      1              519

patient.drugs.drug.10.tx_on_clinical_trial:
no NA's
  1  519

patient.drugs.drug.10.year_of_form_completion:
2013 NA's
  1  519

patient.drugs.drug.2.day_of_form_completion:
Min. 1st Qu.  Median    Mean 3rd Qu.    Max.    NA's

```

1.00	9.00	17.00	16.75	25.00	31.00	367
------	------	-------	-------	-------	-------	-----

patient.drugs.drug.2.days_to_drug_therapy_end:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
25.0	110.0	148.0	221.5	193.0	1284.0	387

patient.drugs.drug.2.days_to_drug_therapy_start:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0.0	47.0	74.0	157.3	129.5	1147.0	373

patient.drugs.drug.2.measure_of_response:

clinical progressive disease	complete response
16	51
partial response	stable disease
6	10
NA's	
437	

patient.drugs.drug.2.month_of_form_completion:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1.000	3.000	6.000	6.203	9.000	12.000	367

patient.drugs.drug.2.number_cycles:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1.00	3.00	4.00	6.18	4.00	132.00	470

patient.drugs.drug.2.regimen_indication_notes:

neo-adjuvant	neoadjuvant	new primary	NA's
1	1	1	517

patient.drugs.drug.2.route_of_administrations.route_of_administration:

intramuscular (im)	intravenous (iv)	oral	NA's
1	47	2	470

patient.drugs.drug.2.therapy_ongoing:

no	yes	NA's
143	10	367

patient.drugs.drug.2.therapy_types.therapy_type:

chemotherapy	other, specify
150	1
targeted molecular therapy	NA's
2	367

patient.drugs.drug.2.therapy_types.therapy_type_notes:

gsk mage vaccine study	NA's
1	519

patient.drugs.drug.2.total_dose_units:

g/m2	mg	mg/m2	ml	NA's
1	25	4	1	489

patient.drugs.drug.2.tx_on_clinical_trial:

no	yes	NA's
97	3	420

patient.drugs.drug.2.year_of_form_completion:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
2010	2012	2012	2012	2013	2015	367

patient.drugs.drug.3.clinical_trial_drug_classification:

tyrosine kinase inhibitor	NA's
1	519

patient.drugs.drug.3.day_of_form_completion:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
2.00	9.00	15.50	16.37	25.00	31.00	458

patient.drugs.drug.3.days_to_drug_therapy_end:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
62.0	130.0	186.0	355.1	569.0	1284.0	469

patient.drugs.drug.3.days_to_drug_therapy_start:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
27.00	75.75	138.50	276.85	474.25	1135.00	460

patient.drugs.drug.3.measure_of_response:

clinical progressive disease	complete response
13	9
partial response	stable disease
2	5
NA's	
491	

patient.drugs.drug.3.month_of_form_completion:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1.000	3.250	6.000	6.081	9.000	12.000	458

patient.drugs.drug.3.number_cycles:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1.000	3.000	4.000	3.917	4.250	8.000	496

patient.drugs.drug.3.prescribed_dose_units:

auc	g/m2	mg	mg/m2	NA's

```

2      1      12      3      502

patient.drugs.drug.3.regimen_indication:
  adjuvant  palliative  progression  recurrence  NA's
      15              4              4              2              495

patient.drugs.drug.3.regimen_number:
      1      2      4 lccc 9831      NA's
      14      9      1      1      495

patient.drugs.drug.3.route_of_administrations.route_of_administration:
intravenous (iv)      NA's
      25              495

patient.drugs.drug.3.therapy_ongoing:
  no  yes  NA's
  54   8  458

patient.drugs.drug.3.therapy_types.therapy_type:
      ancillary      chemotherapy
      1              53
  immunotherapy targeted molecular therapy
      3              4
      NA's
      459

patient.drugs.drug.3.total_dose:
  Min. 1st Qu.  Median  Mean 3rd Qu.  Max.  NA's
  40.0  516.8  1684.0  1585.0  2365.0  3625.0  506

patient.drugs.drug.3.total_dose_units:
  mg  mg/m2  NA's
  14   2   504

patient.drugs.drug.3.tx_on_clinical_trial:
  no  yes  NA's
  33   4  483

patient.drugs.drug.3.year_of_form_completion:
  Min. 1st Qu.  Median  Mean 3rd Qu.  Max.  NA's
  2010  2011  2012  2012  2013  2015  458

patient.drugs.drug.4.day_of_form_completion:
  Min. 1st Qu.  Median  Mean 3rd Qu.  Max.  NA's
  2.00  5.75  12.50  13.78  19.25  31.00  488

patient.drugs.drug.4.days_to_drug_therapy_end:
  Min. 1st Qu.  Median  Mean 3rd Qu.  Max.  NA's
  -40.0  133.0  396.0  407.9  581.0  1522.0  491

```

patient.drugs.drug.4.days_to_drug_therapy_start:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
-74.0	87.5	239.5	362.9	546.0	1284.0	488

patient.drugs.drug.4.measure_of_response:

clinical progressive disease	complete response
7	5
partial response	stable disease
2	3
NA's	
503	

patient.drugs.drug.4.month_of_form_completion:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1.000	3.000	5.500	5.938	9.000	12.000	488

patient.drugs.drug.4.number_cycles:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1.000	1.000	2.000	2.454	3.500	5.000	509

patient.drugs.drug.4.prescribed_dose_units:

mg	mg/m2	NA's
5	3	512

patient.drugs.drug.4.regimen_indication:

adjuvant other: specify in notes	palliative
5	1
progression	NA's
4	508

patient.drugs.drug.4.regimen_indication_notes:

neo-adjuvant	NA's
1	519

patient.drugs.drug.4.regimen_number:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1.00	1.00	2.00	2.25	3.00	6.00	508

patient.drugs.drug.4.route_of_administrations.route_of_administration:

intramuscular (im)	intravenous (iv)	NA's
1	11	508

patient.drugs.drug.4.therapy_ongoing:

no	yes	NA's
31	1	488

patient.drugs.drug.4.therapy_types.therapy_type:

ancillary	chemotherapy	immunotherapy	other, specify	NA's
2	26	2	1	489

```

patient.drugs.drug.4.therapy_types.therapy_type_notes:
phase ii clinical trial krw2170
1
NA's
519

patient.drugs.drug.4.total_dose:
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
20.0 281.2 384.0 1835.1 1866.0 8000.0 512

patient.drugs.drug.4.total_dose_units:
mg mg/m2 NA's
7 2 511

patient.drugs.drug.4.tx_on_clinical_trial:
no yes NA's
19 1 500

patient.drugs.drug.4.year_of_form_completion:
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
2010 2011 2012 2012 2013 2015 488

patient.drugs.drug.5.day_of_form_completion:
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
3.00 3.50 8.00 12.79 19.25 31.00 506

patient.drugs.drug.5.days_to_drug_therapy_end:
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
89.0 161.0 406.0 460.8 601.0 1649.0 507

patient.drugs.drug.5.days_to_drug_therapy_start:
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
28.0 78.5 277.0 387.4 562.5 1522.0 506

patient.drugs.drug.5.measure_of_response:
clinical progressive disease complete response
3 3
partial response stable disease
1 3
NA's
510

patient.drugs.drug.5.month_of_form_completion:
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
1.000 3.250 5.500 6.357 9.750 12.000 506

patient.drugs.drug.5.number_cycles:
1 5 6 NA's
1 1 1 517

patient.drugs.drug.5.prescribed_dose:

```

39 150 NA's
 1 1 518

patient.drugs.drug.5.prescribed_dose_units:
 mg NA's
 2 518

patient.drugs.drug.5.regimen_indication:
 adjuvant progression NA's
 2 1 517

patient.drugs.drug.5.regimen_number:
 1 4 NA's
 2 1 517

patient.drugs.drug.5.route_of_administrations.route_of_administration:
 intravenous (iv) oral NA's
 2 1 517

patient.drugs.drug.5.therapy_ongoing:
 no NA's
 14 506

patient.drugs.drug.5.therapy_types.therapy_type:
 ancillary chemotherapy
 2 11
 targeted molecular therapy NA's
 1 506

patient.drugs.drug.5.total_dose:
 39 9000 NA's
 1 1 518

patient.drugs.drug.5.total_dose_units:
 mg NA's
 2 518

patient.drugs.drug.5.tx_on_clinical_trial:
 no NA's
 11 509

patient.drugs.drug.5.year_of_form_completion:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 2010 2012 2013 2013 2014 2015 506

patient.drugs.drug.6.day_of_form_completion:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 3.0 4.0 13.0 14.5 24.5 31.0 510

patient.drugs.drug.6.days_to_drug_therapy_end:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
132	186	187	288	452	483	515

patient.drugs.drug.6.days_to_drug_therapy_start:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
66.0	190.2	434.5	519.1	695.2	1649.0	510

patient.drugs.drug.6.measure_of_response:

clinical progressive disease	complete response
2	2
partial response	stable disease
1	1
NA's	
514	

patient.drugs.drug.6.month_of_form_completion:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1.00	3.00	4.50	4.80	5.75	12.00	510

patient.drugs.drug.6.number_cycles:

2 NA's
1 519

patient.drugs.drug.6.prescribed_dose:

25mg/m2 = 50	NA's
1	519

patient.drugs.drug.6.prescribed_dose_units:

mg/m2	NA's
1	519

patient.drugs.drug.6.regimen_indication:

progression	NA's
1	519

patient.drugs.drug.6.regimen_number:

3 NA's
1 519

patient.drugs.drug.6.route_of_administrations.route_of_administration:

intravenous (iv)	NA's
1	519

patient.drugs.drug.6.therapy_ongoing:

no	yes	NA's
7	3	510

patient.drugs.drug.6.therapy_types.therapy_type:

ancillary	chemotherapy
1	8
targeted molecular therapy	NA's

1 510

patient.drugs.drug.6.total_dose:

300 NA's
1 519

patient.drugs.drug.6.total_dose_units:

mg NA's
1 519

patient.drugs.drug.6.tx_on_clinical_trial:

no NA's
9 511

patient.drugs.drug.6.year_of_form_completion:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
2010	2012	2013	2013	2014	2015	510

patient.drugs.drug.7.day_of_form_completion:

3	9	17	31	NA's
2	1	1	1	515

patient.drugs.drug.7.days_to_drug_therapy_end:

186	195	581	676	NA's
1	1	1	1	516

patient.drugs.drug.7.days_to_drug_therapy_start:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
66.0	146.0	539.0	455.8	592.0	936.0	515

patient.drugs.drug.7.drug_name:

carboplatin	gemcitabine	tarceva	vinorelbine	NA's
1	2	1	1	515

patient.drugs.drug.7.measure_of_response:

clinical	progressive disease	complete response
	2	1
	NA's	
	517	

patient.drugs.drug.7.month_of_form_completion:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1	3	4	5	5	12	515

patient.drugs.drug.7.number_cycles:

2 NA's
1 519

patient.drugs.drug.7.prescribed_dose:

100mg/m2 NA's

1 519

patient.drugs.drug.7.prescribed_dose_units:

mg/m2 NA's

1 519

patient.drugs.drug.7.regimen_indication:

progression NA's

1 519

patient.drugs.drug.7.regimen_number:

5 NA's

1 519

patient.drugs.drug.7.route_of_administrations.route_of_administration:

intravenous (iv) NA's

1 519

patient.drugs.drug.7.therapy_ongoing:

no yes NA's

4 1 515

patient.drugs.drug.7.therapy_types.therapy_type:

chemotherapy NA's

5 515

patient.drugs.drug.7.tx_on_clinical_trial:

no NA's

4 516

patient.drugs.drug.7.year_of_form_completion:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
2010	2012	2013	2013	2014	2015	515

patient.drugs.drug.8.bcr_drug_barcode:

tcga-53-7624-d39737	tcga-64-5815-d31484	tcga-73-4659-d12858	tcga-86-7701-d58408
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1	1	1	1
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NA's

516

patient.drugs.drug.8.bcr_drug_uuid:

4878b403-b86b-448f-a98c-f33fb9f7ea01	87e2d964-3168-438c-9cb9-1f81d70122ae
--------------------------------------	--------------------------------------

1	1
---	---

dc37e270-9e05-421e-a7f4-8b20df86dc92	e1e21cb8-57eb-41c0-bc61-810f106edb69
--------------------------------------	--------------------------------------

1	1
---	---

NA's

516

patient.drugs.drug.8.day_of_form_completion:

3	9	31	NA's
---	---	----	------

2	1	1	516
---	---	---	-----

patient.drugs.drug.8.days_to_drug_therapy_end:

195 490 609 NA's
1 1 1 517

patient.drugs.drug.8.days_to_drug_therapy_start:

146 339 602 936 NA's
1 1 1 1 516

patient.drugs.drug.8.drug_name:

almita	carboplatinum	docetaxel	taxol	NA's
1	1	1	1	516

patient.drugs.drug.8.measure_of_response:

clinical progressive disease	complete response
1	1
NA's	
518	

patient.drugs.drug.8.month_of_form_completion:

1 4 5 12 NA's
1 1 1 1 516

patient.drugs.drug.8.number_cycles:

2 NA's
1 519

patient.drugs.drug.8.prescribed_dose:

50mg/m2 = 100mg NA's
1 519

patient.drugs.drug.8.prescribed_dose_units:

mg/m2 NA's
1 519

patient.drugs.drug.8.regimen_indication:

progression NA's
1 519

patient.drugs.drug.8.regimen_number:

7 NA's
1 519

patient.drugs.drug.8.route_of_administrations.route_of_administration:

intravenous (iv) NA's
1 519

patient.drugs.drug.8.therapy_ongoing:

no yes NA's
3 1 516

patient.drugs.drug.8.therapy_types.therapy_type:

chemotherapy NA's

4 516

patient.drugs.drug.8.total_dose:

200 NA's

1 519

patient.drugs.drug.8.total_dose_units:

mg NA's

1 519

patient.drugs.drug.8.tx_on_clinical_trial:

no NA's

3 517

patient.drugs.drug.8.year_of_form_completion:

2010 2012 2013 2014 NA's

1 1 1 1 516

patient.drugs.drug.9.bcr_drug_barcode:

tcga-53-7624-d39738 NA's

1 519

patient.drugs.drug.9.bcr_drug_uuid:

0f25327c-c54d-4542-a956-47affd9d63b5

1

NA's

519

patient.drugs.drug.9.day_of_form_completion:

31 NA's

1 519

patient.drugs.drug.9.days_to_drug_therapy_end:

490 NA's

1 519

patient.drugs.drug.9.days_to_drug_therapy_start:

339 NA's

1 519

patient.drugs.drug.9.drug_name:

bevacizumab NA's

1 519

patient.drugs.drug.9.measure_of_response:

clinical progressive disease

1

NA's

519

patient.drugs.drug.9.month_of_form_completion:

1 NA's

1 519

patient.drugs.drug.9.therapy_ongoing:

no NA's

1 519

patient.drugs.drug.9.therapy_types.therapy_type:
 chemotherapy NA's
 1 519

patient.drugs.drug.9.tx_on_clinical_trial:
 no NA's
 1 519

patient.drugs.drug.9.year_of_form_completion:
 2013 NA's
 1 519

patient.drugs.drug.clinical_trial_drug_classification:
 asci NA's
 1 519

patient.drugs.drug.day_of_form_completion:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 1.00 9.00 16.00 16.46 25.00 31.00 341

patient.drugs.drug.days_to_drug_therapy_end:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 -40 111 153 216 201 1238 370

patient.drugs.drug.days_to_drug_therapy_start:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 -74.0 43.0 72.0 154.8 118.5 1255.0 349

patient.drugs.drug.measure_of_response:
 clinical progressive disease complete response
 22 57
 partial response stable disease
 7 10
 NA's
 424

patient.drugs.drug.month_of_form_completion:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 1.00 3.00 6.00 6.43 9.50 12.00 341

patient.drugs.drug.number_cycles:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 1.000 3.000 4.000 3.906 4.000 12.000 467

patient.drugs.drug.regimen_indication_notes:

neo-adjuvant	neoadjuvant	new primary	protocol	NA's
2	1	1	1	515

patient.drugs.drug.regimen_number:

1	2	3	8 NA's
51	6	1	1 461

patient.drugs.drug.route_of_administrations.route_of_administration:

intravenous (iv)	oral	NA's
55	4	461

patient.drugs.drug.therapy_ongoing:

no	yes	NA's
164	13	343

patient.drugs.drug.therapy_types.therapy_type_notes:

aurora kinase inhibitor - protocol therapy	1
	NA's
	519

patient.drugs.drug.total_dose:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
56	450	1360	3098	3817	15120	491

patient.drugs.drug.total_dose_units:

g/m2	mg	mg/m2	NA's
1	27	3	489

patient.drugs.drug.tx_on_clinical_trial:

no	yes	NA's
111	5	404

patient.drugs.drug.year_of_form_completion:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
2010	2011	2012	2012	2013	2015	341

patient.eastern_cancer_oncology_group:

0	1	2	3	NA's
95	100	21	3	301

patient.egfr_mutation_performed:

no	yes	NA's
196	80	244

patient.eml4_alk_translocation_method:

fish	ihc	rt-pcr	NA's
19	3	3	495

patient.eml4_alk_translocation_performed:

no	yes	NA's
212	34	274

patient.ethnicity:

hispanic or latino	not hispanic or latino	NA's
7	388	125

patient.follow_ups.follow_up.2.additional_pharmaceutical_therapy:

no	yes	NA's
26	21	473

patient.follow_ups.follow_up.2.additional_radiation_therapy:

no	yes	NA's
24	24	472

patient.follow_ups.follow_up.2.additional_surgery_locoregional_procedure:

no	yes	NA's
38	5	477

patient.follow_ups.follow_up.2.additional_surgery_metastatic_procedure:

no	yes	NA's
19	10	491

patient.follow_ups.follow_up.2.day_of_form_completion:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
2.00	7.75	15.00	14.89	22.00	30.00	388

patient.follow_ups.follow_up.2.days_to_additional_surgery_locoregional_procedure:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
437.0	453.0	639.0	980.8	1481.0	1894.0	515

patient.follow_ups.follow_up.2.days_to_additional_surgery_metastatic_procedure:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
112.0	524.0	688.0	830.2	975.0	2092.0	511

patient.follow_ups.follow_up.2.days_to_death:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
281.0	696.2	974.0	1169.1	1288.0	4961.0	492

patient.follow_ups.follow_up.2.days_to_last_followup:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
15.0	705.8	945.5	1397.2	1699.8	7248.0	416

patient.follow_ups.follow_up.2.days_to_new_tumor_event_after_initial_treatment:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
47.0	418.2	717.0	960.2	1188.2	4608.0	470

patient.follow_ups.follow_up.2.eastern_cancer_oncology_group:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
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patient.follow_ups.follow_up.2.primary_therapy_outcome_success:		
complete remission/response	progressive disease	
90		13
stable disease		NA's
11		406

patient.follow_ups.follow_up.2.progression_determined_by_list.progression_determined		
biopsy with histologic confirmation	convincing imaging	
7		14
NA's		
499		

patient.follow_ups.follow_up.2.progression_determined_by_list.progression_determined		
convincing imaging	NA's	
3		517

patient.follow_ups.follow_up.2.radiation_therapy:		
no	yes	NA's
106	11	403

patient.follow_ups.follow_up.2.targeted_molecular_therapy:		
no	yes	NA's
79	37	404

patient.follow_ups.follow_up.2.vital_status:		
alive	dead	NA's
104	28	388

patient.follow_ups.follow_up.2.year_of_form_completion:						
Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
2010	2013	2013	2013	2015	2015	388

patient.follow_ups.follow_up.3.additional_pharmaceutical_therapy:		
no	yes	NA's
8	5	507

patient.follow_ups.follow_up.3.additional_radiation_therapy:		
no	yes	NA's
5	8	507

patient.follow_ups.follow_up.3.additional_surgery_locoregional_procedure:		
no	yes	NA's
11	1	508

patient.follow_ups.follow_up.3.additional_surgery_metastatic_procedure:		
no	NA's	
8		512

patient.follow_ups.follow_up.3.day_of_form_completion:						
Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's

3.00 9.50 15.00 15.63 20.50 31.00 501

patient.follow_ups.follow_up.3.days_to_additional_surgery_locoregional_procedure:
1255 NA's

1 519

patient.follow_ups.follow_up.3.days_to_death:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
503.0	676.8	804.0	845.0	1037.8	1265.0	512

patient.follow_ups.follow_up.3.days_to_last_followup:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
788	1153	1272	1208	1303	1429	509

patient.follow_ups.follow_up.3.days_to_new_tumor_event_after_initial_treatment:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
316.0	568.0	836.0	847.3	1146.0	1258.0	507

patient.follow_ups.follow_up.3.eastern_cancer_oncology_group:

0	1	2	NA's
1	1	2	516

patient.follow_ups.follow_up.3.followup_case_report_form_submission_reason:

additional new tumor event scheduled follow-up submission	8	9
NA's		
503		

patient.follow_ups.follow_up.3.followup_treatment_success:

complete remission/response	7	7
progressive disease		
stable disease	2	NA's
		504

patient.follow_ups.follow_up.3.karnofsky_performance_score:

0	90	NA's
1	1	518

patient.follow_ups.follow_up.3.lost_follow_up:

no NA's	
15	505

patient.follow_ups.follow_up.3.month_of_form_completion:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1.000	2.000	5.000	5.474	9.000	12.000	501

patient.follow_ups.follow_up.3.new_neoplasm_event_types.new_neoplasm_event_type:

distant metastasis	3	4	2
locoregional recurrence			
new primary tumor			
NA's			
511			

patient.follow_ups.follow_up.3.new_tumor_event_after_initial_treatment:
 no yes NA's
 5 13 502

patient.follow_ups.follow_up.3.performance_status_scale_timing:
 other NA's
 5 515

patient.follow_ups.follow_up.3.person_neoplasm_cancer_status:
 tumor free with tumor NA's
 6 13 501

patient.follow_ups.follow_up.3.primary_therapy_outcome_success:
 complete remission/response progressive disease
 12 2
 stable disease NA's
 2 504

patient.follow_ups.follow_up.3.progression_determined_by_list.progression_determin
 biopsy with histologic confirmation convincing imaging
 5 3
 NA's
 512

patient.follow_ups.follow_up.3.progression_determined_by_list.progression_determin
 convincing imaging NA's
 3 517

patient.follow_ups.follow_up.3.progression_determined_by_list.progression_determin
 positive biomarker (s) NA's
 1 519

patient.follow_ups.follow_up.3.radiation_therapy:
 no yes NA's
 14 1 505

patient.follow_ups.follow_up.3.targeted_molecular_therapy:
 no yes NA's
 10 6 504

patient.follow_ups.follow_up.3.vital_status:
 alive dead NA's
 11 8 501

patient.follow_ups.follow_up.3.year_of_form_completion:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 2010 2012 2013 2013 2013 2014 501

patient.follow_ups.follow_up.4.additional_pharmaceutical_therapy:
 no NA's
 1 519

```

patient.follow_ups.follow_up.4.additional_radiation_therapy:
  yes NA's
    1 519

patient.follow_ups.follow_up.4.additional_surgery_locoregional_procedure:
  no NA's
    1 519

patient.follow_ups.follow_up.4.bcr_followup_barcode:
tcga-44-2659-f40300 tcga-44-2664-f34138 NA's
                   1                   1      518

patient.follow_ups.follow_up.4.bcr_followup_uuid:
2386c68e-b1ca-41b8-a7e5-129d0ce2e2ca d19e4687-3387-4057-ba51-2a86d4ae43aa
                                     1                                     1
                                     NA's
                                     518

patient.follow_ups.follow_up.4.day_of_form_completion:
  15 30 NA's
    1 1 518

patient.follow_ups.follow_up.4.days_to_last_followup:
1251 1367 NA's
    1 1 518

patient.follow_ups.follow_up.4.days_to_new_tumor_event_after_initial_treatment:
  832 NA's
    1 519

patient.follow_ups.follow_up.4.eastern_cancer_oncology_group:
  2 NA's
    1 519

patient.follow_ups.follow_up.4.followup_case_report_form_submission_reason:
  additional new tumor event scheduled follow-up submission
                                     1                                     1
                                     NA's
                                     518

patient.follow_ups.follow_up.4.followup_treatment_success:
complete remission/response NA's
                             2      518

patient.follow_ups.follow_up.4.lost_follow_up:
  no NA's
    2 518

patient.follow_ups.follow_up.4.month_of_form_completion:
  2 7 NA's
  1 1 518

```

patient.follow_ups.follow_up.4.new_neoplasm_event_types.new_neoplasm_event_type:
 locoregional recurrence NA's
 1 519

patient.follow_ups.follow_up.4.new_tumor_event_after_initial_treatment:
 no yes NA's
 1 1 518

patient.follow_ups.follow_up.4.performance_status_scale_timing:
 other NA's
 1 519

patient.follow_ups.follow_up.4.person_neoplasm_cancer_status:
 tumor free NA's
 2 518

patient.follow_ups.follow_up.4.primary_therapy_outcome_success:
 complete remission/response NA's
 2 518

patient.follow_ups.follow_up.4.progression_determined_by_list.progression_determin
 convincing imaging NA's
 1 519

patient.follow_ups.follow_up.4.radiation_therapy:
 no NA's
 2 518

patient.follow_ups.follow_up.4.targeted_molecular_therapy:
 no yes NA's
 1 1 518

patient.follow_ups.follow_up.4.vital_status:
 alive NA's
 2 518

patient.follow_ups.follow_up.4.year_of_form_completion:
 2012 2013 NA's
 1 1 518

patient.follow_ups.follow_up.additional_pharmaceutical_therapy:
 no yes NA's
 77 61 382

patient.follow_ups.follow_up.additional_radiation_therapy:
 no yes NA's
 76 65 379

patient.follow_ups.follow_up.additional_surgery_locoregional_procedure:
 no yes NA's
 101 10 409

```
patient.follow_ups.follow_up.additional_surgery_metastatic_procedure:
  no  yes NA's
  85  20  415
```

```
patient.follow_ups.follow_up.day_of_form_completion:
  Min. 1st Qu.  Median    Mean 3rd Qu.  Max.  NA's
  1.00  10.00   17.00   16.98  26.00   31.00  60
```

```
patient.follow_ups.follow_up.days_to_additional_surgery_locoregional_procedure:
  Min. 1st Qu.  Median    Mean 3rd Qu.  Max.  NA's
  36.0  363.0   686.0   691.1  784.0  1577.0  509
```

```
patient.follow_ups.follow_up.days_to_additional_surgery_metastatic_procedure:
  Min. 1st Qu.  Median    Mean 3rd Qu.  Max.  NA's
 -43.0  183.0   390.0   421.8  598.0  1118.0  499
```

```
patient.follow_ups.follow_up.days_to_death:
  Min. 1st Qu.  Median    Mean 3rd Qu.  Max.  NA's
   4.0  273.2   595.5   747.4  995.0  4961.0  396
```

```
patient.follow_ups.follow_up.days_to_last_followup:
  Min. 1st Qu.  Median    Mean 3rd Qu.  Max.  NA's
   2.0  407.5   555.0   785.1  826.2  6812.0  206
```

```
patient.follow_ups.follow_up.days_to_new_tumor_event_after_initial_treatment:
  Min. 1st Qu.  Median    Mean 3rd Qu.  Max.  NA's
  15.0  231.8   405.5   517.2  538.2  4812.0  384
```

```
patient.follow_ups.follow_up.eastern_cancer_oncology_group:
  Min. 1st Qu.  Median    Mean 3rd Qu.  Max.  NA's
  0.0000  0.0000  1.0000  0.8306  1.0000  4.0000  396
```

```
patient.follow_ups.follow_up.followup_case_report_form_submission_reason:
  additional new tumor event scheduled follow-up submission
                                     10                               383
                                     NA's
                                     127
```

```
patient.follow_ups.follow_up.followup_treatment_success:
complete remission/response  partial remission/response
                               205                               9
  progressive disease                stable disease
                               98                               33
                               NA's
                               175
```

```
patient.follow_ups.follow_up.karnofsky_performance_score:
  Min. 1st Qu.  Median    Mean 3rd Qu.  Max.  NA's
   0.0   80.0   90.0   76.3  100.0  100.0  447
```

patient.follow_ups.follow_up.lost_follow_up:
 no yes NA's
 279 27 214

patient.follow_ups.follow_up.month_of_form_completion:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 1.000 3.000 6.000 6.409 9.000 12.000 58

patient.follow_ups.follow_up.new_neoplasm_event_types.new_neoplasm_event_type:
 distant metastasis locoregional recurrence new primary tumor
 50 31 4
 NA's
 435

patient.follow_ups.follow_up.new_neoplasm_event_types.new_neoplasm_event_type.2:
 distant metastasis new primary tumor NA's
 3 1 516

patient.follow_ups.follow_up.new_tumor_event_after_initial_treatment:
 no yes NA's
 279 145 96

patient.follow_ups.follow_up.person_neoplasm_cancer_status:
 tumor free with tumor NA's
 250 142 128

patient.follow_ups.follow_up.primary_therapy_outcome_success:
 complete remission/response partial remission/response
 279 5
 progressive disease stable disease
 63 33
 NA's
 140

patient.follow_ups.follow_up.progression_determined_by_list.progression_determin
 biopsy with histologic confirmation convincing imaging
 27 50
 NA's
 443

patient.follow_ups.follow_up.progression_determined_by_list.progression_determin
 convincing imaging NA's
 12 508

patient.follow_ups.follow_up.radiation_therapy:
 no yes NA's
 377 58 85

patient.follow_ups.follow_up.targeted_molecular_therapy:
 no yes NA's
 286 146 88

patient.follow_ups.follow_up.vital_status:

alive	dead	NA's
327	128	65

patient.follow_ups.follow_up.year_of_form_completion:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
2010	2011	2013	2013	2014	2015	58

patient.gender:

female	male
279	241

patient.history_of_neoadjuvant_treatment:

no	yes	NA's
516	3	1

patient.informed_consent_verified:

yes
520

patient.karnofsky_performance_score:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0.0	80.0	90.0	84.7	100.0	100.0	420

patient.kras_gene_analysis_performed:

no	yes	NA's
252	62	206

patient.kras_mutation_found:

no	yes	NA's
39	23	458

patient.location_in_lung_parenchyma:

central lung	peripheral lung	NA's
63	127	330

patient.month_of_form_completion:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.
1.000	4.000	7.000	6.319	9.000	12.000

patient.new_tumor_events.new_tumor_event.additional_pharmaceutical_therapy:

no	yes	NA's
18	12	490

patient.new_tumor_events.new_tumor_event.additional_radiation_therapy:

no	yes	NA's
----	-----	------

16 14 490

patient.new_tumor_events.new_tumor_event.days_to_new_tumor_event_after_initial_t

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
39.0	234.0	397.0	575.7	722.5	3044.0	489

patient.new_tumor_events.new_tumor_event.locoregional_procedure.additional_surge

no	yes	NA's
14	4	502

patient.new_tumor_events.new_tumor_event.locoregional_procedure.days_to_addition

226	392	489	3664	NA's
1	1	1	1	516

patient.new_tumor_events.new_tumor_event.metastatic_procedure.additional_surgery

no	yes	NA's
10	6	504

patient.new_tumor_events.new_tumor_event.metastatic_procedure.days_to_additional

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
171.0	231.0	267.0	444.3	555.5	1099.0	513

patient.new_tumor_events.new_tumor_event.new_neoplasm_event_types.new_neoplasm_e

distant metastasis	locoregional recurrence	new primary tumor
10	19	2
NA's		
489		

patient.new_tumor_events.new_tumor_event.new_neoplasm_event_types.new_neoplasm_e

distant metastasis	NA's
7	513

patient.new_tumor_events.new_tumor_event.progression_determined_by_list.progress

biopsy with histologic confirmation	convincing imaging
16	14
NA's	
490	

patient.new_tumor_events.new_tumor_event.progression_determined_by_list.progress

convincing imaging	NA's
6	514

patient.new_tumor_events.new_tumor_event_after_initial_treatment:

no	yes	NA's
156	31	333

patient.number_pack_years_smoked:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0.00	20.00	40.00	41.55	50.00	154.00	163

patient.performance_status_scale_timing:

	other post-adjuvant therapy	pre-adjuvant therapy	
	23	11	20
pre-operative	NA's		
	177	289	
patient.person_neoplasm_cancer_status:			
tumor free with tumor	NA's		
	313	114	93
patient.post_bronchodilator_fev1_fvc_percent:			
Min.	1st Qu.	Median	Mean 3rd Qu. Max. NA's
2.00	69.50	82.00	78.85 91.00 127.00 405
patient.post_bronchodilator_fev1_percent:			
Min.	1st Qu.	Median	Mean 3rd Qu. Max. NA's
2.00	69.00	82.50	80.01 95.00 151.00 378
patient.pre_bronchodilator_fev1_fvc_percent:			
Min.	1st Qu.	Median	Mean 3rd Qu. Max. NA's
0.72	70.00	81.00	80.16 92.00 125.00 323
patient.pre_bronchodilator_fev1_percent:			
Min.	1st Qu.	Median	Mean 3rd Qu. Max. NA's
1.95	66.00	83.00	80.76 96.00 156.00 283
patient.primary_therapy_outcome_success:			
complete remission/response	partial remission/response		
	130		2
progressive disease		stable disease	
	7		12
	NA's		
	369		
patient.prior_dx:			
		no	
		428	
		yes	
		51	
	yes, history of prior malignancy		
		32	
yes, history of synchronous and or bilateral malignancy			
		9	
patient.pulmonary_function_test_performed:			
no	yes	NA's	
92	247	181	
patient.race:			
american indian or alaska native			asian
	1		8
black or african american			white
	53		392

NA's
66

patient.radiation_therapy:

no	yes	NA's
144	13	363

patient.radiations.radiation.2.course_number:

1	2	NA's
6	2	512

patient.radiations.radiation.2.day_of_form_completion:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1.00	9.00	16.00	16.16	25.00	30.00	501

patient.radiations.radiation.2.days_to_radiation_therapy_end:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
70.0	265.0	549.5	588.9	671.0	1641.0	502

patient.radiations.radiation.2.days_to_radiation_therapy_start:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
35.0	193.0	526.0	549.5	637.5	1641.0	501

patient.radiations.radiation.2.measure_of_response:

	complete response	partial response
	2	3
radiographic progressive disease		stable disease
	4	1
	NA's	
	510	

patient.radiations.radiation.2.month_of_form_completion:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1.00	4.00	8.00	7.21	11.00	12.00	501

patient.radiations.radiation.2.numfractions:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1.00	4.25	10.00	11.93	21.00	28.00	506

patient.radiations.radiation.2.radiation_dosage:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
3	918	2200	2694	4250	7000	505

patient.radiations.radiation.2.radiation_treatment_ongoing:

no	yes	NA's
18	1	501

patient.radiations.radiation.2.radiation_type:

external	external beam other: specify in notes
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			10		6		2
			NA's				
			502				
patient.radiations.radiation.2.radiation_type_notes:							
	cyberknife	gamma knife				NA's	
	1	1				518	
patient.radiations.radiation.2.regimen_indication:							
	adjuvant	palliative	progression	recurrence		NA's	
	2	4	1	1		512	
patient.radiations.radiation.2.units:							
	cgy	gy	NA's				
	11	4	505				
patient.radiations.radiation.2.year_of_form_completion:							
	Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
	2010	2011	2012	2012	2014	2015	501
patient.radiations.radiation.3.anatomic_treatment_site:							
	distant	recurrence		distant site	local	recurrence	NA's
		3		3		1	513
patient.radiations.radiation.3.course_number:							
	2	NA's					
	4	516					
patient.radiations.radiation.3.day_of_form_completion:							
	Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
	1.00	10.50	16.00	13.29	16.50	22.00	513
patient.radiations.radiation.3.days_to_radiation_therapy_end:							
	Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
	64.0	570.2	680.5	899.5	841.0	2544.0	514
patient.radiations.radiation.3.days_to_radiation_therapy_start:							
	Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
	51.0	575.0	699.0	864.3	803.0	2544.0	513
patient.radiations.radiation.3.measure_of_response:							
	partial	response				NA's	
		2				518	
patient.radiations.radiation.3.month_of_form_completion:							
	Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
	2.000	3.500	11.000	7.714	11.000	12.000	513
patient.radiations.radiation.3.numfractions:							
	Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's

1.0 3.0 5.0 5.6 9.0 10.0 515

patient.radiations.radiation.3.radiation_dosage:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 30 2025 2175 2013 2588 3000 514

patient.radiations.radiation.3.radiation_treatment_ongoing:
 no yes NA's
 6 1 513

patient.radiations.radiation.3.radiation_type:
 external external beam other: specify in notes
 2 2 2
 NA's
 514

patient.radiations.radiation.3.radiation_type_notes:
 cyber knife stereotactic radiosurgery cyberknife
 1 1
 NA's
 518

patient.radiations.radiation.3.regimen_indication:
 palliative recurrence NA's
 3 1 516

patient.radiations.radiation.3.units:
 cgy gy NA's
 5 1 514

patient.radiations.radiation.3.year_of_form_completion:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 2010 2011 2012 2012 2013 2015 513

patient.radiations.radiation.4.anatomic_treatment_site:
 distant recurrence NA's
 1 519

patient.radiations.radiation.4.bcr_radiation_barcode:
 tcga-44-2668-r18707 NA's
 1 519

patient.radiations.radiation.4.bcr_radiation_uuid:
 0b7f3a19-ed59-4ad2-bb47-860f1d7c29ed NA's
 1 519

patient.radiations.radiation.4.course_number:
 2 NA's
 1 519

patient.radiations.radiation.4.day_of_form_completion:
 22 NA's

1 519

patient.radiations.radiation.4.days_to_radiation_therapy_end:

587 NA's

1 519

patient.radiations.radiation.4.days_to_radiation_therapy_start:

586 NA's

1 519

patient.radiations.radiation.4.month_of_form_completion:

11 NA's

1 519

patient.radiations.radiation.4.numfractions:

2 NA's

1 519

patient.radiations.radiation.4.radiation_dosage:

1800 NA's

1 519

patient.radiations.radiation.4.radiation_treatment_ongoing:

no NA's

1 519

patient.radiations.radiation.4.radiation_type:

other: specify in notes NA's

1 519

patient.radiations.radiation.4.radiation_type_notes:

cyberknife NA's

1 519

patient.radiations.radiation.4.regimen_indication:

palliative NA's

1 519

patient.radiations.radiation.4.units:

cgy NA's

1 519

patient.radiations.radiation.4.year_of_form_completion:

2011 NA's

1 519

patient.radiations.radiation.course_number:

1 2 3 NA's

34 6 3 477

patient.radiations.radiation.day_of_form_completion:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1.00	10.00	16.00	17.21	27.50	31.00	421

patient.radiations.radiation.days_to_radiation_therapy_end:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0.0	124.8	261.5	343.1	526.0	1255.0	432

patient.radiations.radiation.days_to_radiation_therapy_start:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0.0	91.0	240.0	339.4	516.0	1255.0	431

patient.radiations.radiation.measure_of_response:

complete response	14	partial response	3
radiographic progressive disease	24	stable disease	5
NA's	474		

patient.radiations.radiation.month_of_form_completion:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1.000	4.000	6.000	6.222	9.000	12.000	421

patient.radiations.radiation.numfractions:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1.00	10.00	16.50	18.47	28.75	50.00	462

patient.radiations.radiation.radiation_treatment_ongoing:

no	yes	NA's
94	3	423

patient.radiations.radiation.regimen_indication_notes:

new primary	NA's
1	519

patient.radiations.radiation.units:

cgy	gy	mci	NA's
52	21	1	446

patient.radiations.radiation.year_of_form_completion:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
2010	2011	2012	2012	2013	2015	421

patient.residual_tumor:

r0	r1	r2	rx	NA's
347	13	4	26	130

patient.stopped_smoking_year:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1948	1985	1997	1995	2007	2013	259

patient.targeted_molecular_therapy:

no	yes	NA's
118	38	364

patient.tissue_prospective_collection_indicator:

no	yes	NA's
275	238	7

patient.tissue_retrospective_collection_indicator:

no	yes	NA's
238	275	7

patient.tumor_tissue_site:

lung
520

patient.vital_status:

alive	dead
393	127

patient.year_of_form_completion:

2010	2011	2012	2013	2014
63	187	175	72	23

patient.year_of_initial_pathologic_diagnosis:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1991	2007	2010	2008	2011	2013	10

patient.year_of_tobacco_smoking_onset:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1930	1956	1965	1965	1972	1999	241

patient.bcr_canonical_check.bcr_patient_canonical_reasons.bcr_canonical_reason.2

case matched methylation control	germline comparison
53	27
heterogeneity	NA's
7	433

patient.bcr_canonical_check.bcr_patient_canonical_reasons.bcr_canonical_reason.3


```

germline comparison                NA's
                15                505

patient.bcr_canonical_check.bcr_patient_canonical_status:
    canonical canonical - plus
                325                195

patient.biospecimen_cqcf.consent_or_death_status:
consented deceased waiver
                449                65                6

patient.biospecimen_cqcf.days_to_pathology_review:
    Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
    1.0   58.0  148.0 962.2 1421.0 7245.0 23

patient.biospecimen_cqcf.days_to_sample_procurement:
    Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
   -16.00   0.00   0.00  15.99  28.00  203.00  19

patient.biospecimen_cqcf.digital_image_submitted:
    no yes
    441  79

patient.biospecimen_cqcf.ethnicity:
not hispanic or latino                NA's
                44                476

patient.biospecimen_cqcf.frozen_specimen_anatomic_site:
bronchus lung other
    2     509     9

patient.biospecimen_cqcf.history_of_neoadjuvant_treatment:
                no
                517
yes, pharmaceutical treatment prior to resection
                3

patient.biospecimen_cqcf.laterality:
    left right NA's
    204   305   11

patient.biospecimen_cqcf.method_of_sample_procurement:
    excisional biopsy fine needle aspiration biopsy
                2                3
other method (please specify)                tumor resection
                104                411

patient.biospecimen_cqcf.normal_controls.normal_control.2.days_to_normal_sample_
    Min. 1st Qu. Median Mean 3rd Qu. Max. NA's

```

-6.0	0.0	11.5	22.5	35.0	203.0	362
------	-----	------	------	------	-------	-----

patient.biospecimen_cqcf.normal_controls.normal_control.2.extracted_dna.ncedna_d
0.121 0.136 0.139 NA's
1 1 1 517

patient.biospecimen_cqcf.normal_controls.normal_control.2.extracted_dna.ncedna_d
nanodrop NA's
3 517

patient.biospecimen_cqcf.normal_controls.normal_control.2.extracted_dna.ncedna_d
12.1 13.6 13.9 NA's
1 1 1 517

patient.biospecimen_cqcf.normal_controls.normal_control.2.extracted_dna.ncedna_d
100 NA's
3 517

patient.biospecimen_cqcf.normal_controls.normal_control.2.method_of_normal_sampl
blood draw fine needle aspiration
75 3
other method (please specify) tumor resection
21 67
NA's
354

patient.biospecimen_cqcf.normal_controls.normal_control.2.normal_tissue.normal_t
lung other NA's
93 2 425

patient.biospecimen_cqcf.normal_controls.normal_control.2.normal_tissue.normal_t
distal (>2cm) NA's
62 458

patient.biospecimen_cqcf.normal_controls.normal_control.2.vial_number:
1 2 3 NA's
118 51 1 350

patient.biospecimen_cqcf.normal_controls.normal_control.3.bcr_sample_uuid:
0cdb8e18-bea8-4f10-9863-33346b44e43a NA's
1 519

patient.biospecimen_cqcf.normal_controls.normal_control.3.days_to_normal_sample_
38 NA's
1 519

patient.biospecimen_cqcf.normal_controls.normal_control.3.method_of_normal_sampl
tumor resection NA's
1 519

patient.biospecimen_cqcf.normal_controls.normal_control.3.normal_tissue.normal_t
lung NA's

1 519

patient.biospecimen_cqcf.normal_controls.normal_control.3.normal_tissue.normal_tissue
 distal (>2cm) NA's
 1 519

patient.biospecimen_cqcf.normal_controls.normal_control.3.vial_number:
 1 NA's
 1 519

patient.biospecimen_cqcf.normal_controls.normal_control.days_to_normal_sample_preparation
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 -365.00 0.00 0.00 28.17 30.00 4614.00 28

patient.biospecimen_cqcf.normal_controls.normal_control.extracted_dna.ncedna_dna
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 0.0282 0.2000 0.2400 10.8796 0.6007 100.0000 440

patient.biospecimen_cqcf.normal_controls.normal_control.extracted_dna.ncedna_dna
 15 17 20 30 NA's
 3 18 48 11 440

patient.biospecimen_cqcf.normal_controls.normal_control.extracted_dna.ncedna_dna
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 21.00 64.75 85.00 148.29 143.00 709.20 440

patient.biospecimen_cqcf.normal_controls.normal_control.method_of_normal_sample_preparation
 blood draw excisional biopsy
 362 1
 other method (please specify) tumor resection
 24 127
 NA's
 6

patient.biospecimen_cqcf.normal_controls.normal_control.normal_tissue.normal_tissue
 bronchus lung other NA's
 1 138 10 371

patient.biospecimen_cqcf.normal_controls.normal_control.normal_tissue.normal_tissue
 distal (>2cm) NA's
 34 486

patient.biospecimen_cqcf.normal_controls.normal_control.vial_number:
 1 2 3
 483 36 1

patient.biospecimen_cqcf.path_confirm_diagnosis_matching:
 no yes NA's

11 475 34

patient.biospecimen_cqcf.path_confirm_report_attached:

no yes

23 497

patient.biospecimen_cqcf.path_confirm_tumor_necrosis_metrics:

no yes NA's

1 485 34

patient.biospecimen_cqcf.path_confirm_tumor_nuclei_metrics:

no yes NA's

3 483 34

patient.biospecimen_cqcf.race:

asian black or african american

1 23

white

31

NA's

465

patient.biospecimen_cqcf.reason_path_confirm_diagnosis_not_matching:

pathology analysis at tss determined a specific histological subtype different

pathology review of frozen section for tcga determined histological subtype diff

patient.biospecimen_cqcf.sample_prescreened:

yes

520

patient.biospecimen_cqcf.site_of_disease:

bronchus lung other

2 509 9

patient.biospecimen_cqcf.site_of_disease_description:

lower middle other upper NA's

179 22 9 308 2

patient.biospecimen_cqcf.submitted_for_lce:

no yes NA's

183 40 297

patient.biospecimen_cqcf.top_slide_submitted:

no yes NA's

71 448 1

patient.biospecimen_cqcf.tumor_samples.tumor_sample.2.tumor_necrosis_percent:

0 5 10 30 NA's

1 1 1 1 516

patient.biospecimen_cqcf.tumor_samples.tumor_sample.2.tumor_nuclei_percent:

60 70 75 80 NA's
1 1 1 1 516

patient.biospecimen_cqcf.tumor_samples.tumor_sample.2.tumor_weight:

46 116 230 300 NA's
1 1 1 1 516

patient.biospecimen_cqcf.tumor_samples.tumor_sample.2.vial_number:

1 2 NA's
4 1 515

patient.biospecimen_cqcf.tumor_samples.tumor_sample.tumor_necrosis_percent:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0.000	0.000	5.000	7.366	10.000	70.000	3

patient.biospecimen_cqcf.tumor_samples.tumor_sample.tumor_nuclei_percent:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.
20.00	62.75	70.00	71.71	80.00	100.00

patient.biospecimen_cqcf.tumor_samples.tumor_sample.tumor_weight:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
6.0	100.0	200.0	266.6	280.0	2339.0	9

patient.biospecimen_cqcf.tumor_samples.tumor_sample.vial_number:

1
520

patient.biospecimen_cqcf.vessel_used:

biospecimen storage bag	cassette	cryomold
9	53	38
cryovial	other (please specify)	
347	73	

patient.days_to_index:

0 NA's
501 19

patient.samples.sample.2.bcr_biospecimen_canonical_reasons.bcr_canonical_reason:

primary tumor and recurrent tumor(s)	NA's
2	518

patient.samples.sample.2.days_to_collection:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
8	113	408	1039	1608	6271	395

```

patient.samples.sample.2.initial_weight:
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.   NA's
  80.0   95.0   130.0   144.5  195.0   250.0   509

patient.samples.sample.2.intermediate_dimension:
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.   NA's
  0.3000  0.6000  0.7000  0.8079  1.0000  2.2000   431

patient.samples.sample.2.is_ffpe:
  no yes
  506  14

patient.samples.sample.2.longest_dimension:
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.   NA's
  0.400  1.000  1.100  1.267  1.500  3.000   431

patient.samples.sample.2.oct_embedded:
  false true NA's
  114   11  395

patient.samples.sample.2.portions.portion.2.analytes.analyte.a260_a280_ratio:
  1.81 NA's
  1  519

patient.samples.sample.2.portions.portion.2.analytes.analyte.aliquots.aliquot.2.
  fppp NA's
  3  517

patient.samples.sample.2.portions.portion.2.analytes.analyte.aliquots.aliquot.2.
  tcga NA's
  3  517

patient.samples.sample.2.portions.portion.2.analytes.analyte.aliquots.aliquot.2.
  tcga-44-4112-01b-06d-a273-01 tcga-44-6146-01b-04d-a273-01
                                1                                1
  tcga-44-6147-01b-06r-a27d-13                                NA's
                                1                                517

patient.samples.sample.2.portions.portion.2.analytes.analyte.aliquots.aliquot.2.
  1dc469df-f4a4-4f4e-b14f-805656c3de4f 7653845e-c755-46d5-bca6-7186bf6fd65c
                                1                                1
  a41e8c4a-bc8e-4402-a189-33dd8ad7eac8                                NA's
                                1                                517

patient.samples.sample.2.portions.portion.2.analytes.analyte.aliquots.aliquot.2.
  132158809 132158835 132179221    NA's
            1         1         1         517

patient.samples.sample.2.portions.portion.2.analytes.analyte.aliquots.aliquot.2.
  1  13 NA's

```

2 1 517

patient.samples.sample.2.portions.portion.2.analytes.analyte.aliquots.aliquot.2.
0.14 0.15 NA's

1 2 517

patient.samples.sample.2.portions.portion.2.analytes.analyte.aliquots.aliquot.2.

13 14 NA's

1 2 517

patient.samples.sample.2.portions.portion.2.analytes.analyte.aliquots.aliquot.2.

yes NA's

3 517

patient.samples.sample.2.portions.portion.2.analytes.analyte.aliquots.aliquot.2.

3 NA's

3 517

patient.samples.sample.2.portions.portion.2.analytes.analyte.aliquots.aliquot.2.

2 NA's

3 517

patient.samples.sample.2.portions.portion.2.analytes.analyte.aliquots.aliquot.2.

a273 a27d NA's

2 1 517

patient.samples.sample.2.portions.portion.2.analytes.analyte.aliquots.aliquot.2.

c f h NA's

1 1 1 517

patient.samples.sample.2.portions.portion.2.analytes.analyte.aliquots.aliquot.2.

0.94 1.01 3 NA's

1 1 1 517

patient.samples.sample.2.portions.portion.2.analytes.analyte.aliquots.aliquot.2.

23 NA's

3 517

patient.samples.sample.2.portions.portion.2.analytes.analyte.aliquots.aliquot.2.

6.7 20 NA's

2 1 517

patient.samples.sample.2.portions.portion.2.analytes.analyte.aliquots.aliquot.2.

2013 NA's

3 517

patient.samples.sample.2.portions.portion.2.analytes.analyte.aliquots.aliquot.3.

fppp NA's

2 518

patient.samples.sample.2.portions.portion.2.analytes.analyte.aliquots.aliquot.3.

tcga NA's

2 518

patient.samples.sample.2.portions.portion.2.analytes.analyte.aliquots.aliquot.3.
tcga-44-4112-01b-06d-a276-05 tcga-44-6146-01b-04d-a276-05

	1		1
tcga-44-6147-01b-06r-a46x-36		NA's	
	1		517

patient.samples.sample.2.portions.portion.2.analytes.analyte.aliquots.aliquot.3.
5a229ba3-7f55-4d14-889f-266fd5d0bdce abcael16f-a107-4062-be8a-79a7be4c53af

	1		1
fa0a8b44-09f7-464b-8895-81a70049e479		NA's	
	1		517

patient.samples.sample.2.portions.portion.2.analytes.analyte.aliquots.aliquot.3.
145675687 145675711 167814236 NA's

1	1	1	517
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patient.samples.sample.2.portions.portion.2.analytes.analyte.aliquots.aliquot.3.

5	36	NA's	
2	1	517	

patient.samples.sample.2.portions.portion.2.analytes.analyte.aliquots.aliquot.3.

0.14	0.15	NA's	
1	2	517	

patient.samples.sample.2.portions.portion.2.analytes.analyte.aliquots.aliquot.3.

13	26	NA's	
2	1	517	

patient.samples.sample.2.portions.portion.2.analytes.analyte.aliquots.aliquot.3.

yes	NA's	
3	517	

patient.samples.sample.2.portions.portion.2.analytes.analyte.aliquots.aliquot.3.

3	8	NA's	
2	1	517	

patient.samples.sample.2.portions.portion.2.analytes.analyte.aliquots.aliquot.3.

2	4	NA's	
2	1	517	

patient.samples.sample.2.portions.portion.2.analytes.analyte.aliquots.aliquot.3.

a276	a46x	NA's	
2	1	517	

patient.samples.sample.2.portions.portion.2.analytes.analyte.aliquots.aliquot.3.

a	f	h	NA's
1	1	1	517

patient.samples.sample.2.portions.portion.2.analytes.analyte.aliquots.aliquot.3.

0.75	0.94	1.01	NA's
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1      1      1      517

patient.samples.sample.2.portions.portion.2.analytes.analyte.aliquots.aliquot.3.
23 NA's
3      517

patient.samples.sample.2.portions.portion.2.analytes.analyte.aliquots.aliquot.3.
5      6.7 NA's
1      2      517

patient.samples.sample.2.portions.portion.2.analytes.analyte.aliquots.aliquot.3.
2013 2015 NA's
2      1      517

patient.samples.sample.2.portions.portion.2.analytes.analyte.aliquots.aliquot.4.
tcga-44-4112-01b-06d-a46w-08 tcga-44-6146-01b-04d-a46w-08
1 1
NA's
518

patient.samples.sample.2.portions.portion.2.analytes.analyte.aliquots.aliquot.4.
55c0e17b-a9a5-46a5-a4ac-d26cbd83e7b1 6051356a-2f32-44f7-a36e-13ad6eef6f00
1 1
NA's
518

patient.samples.sample.2.portions.portion.2.analytes.analyte.aliquots.aliquot.4.
132157283 132179156 NA's
1 1 518

patient.samples.sample.2.portions.portion.2.analytes.analyte.aliquots.aliquot.4.
8 NA's
2 518

patient.samples.sample.2.portions.portion.2.analytes.analyte.aliquots.aliquot.4.
0.07 0.08 NA's
1 1 518

patient.samples.sample.2.portions.portion.2.analytes.analyte.aliquots.aliquot.4.
3 NA's
2 518

patient.samples.sample.2.portions.portion.2.analytes.analyte.aliquots.aliquot.4.
yes NA's
2 518

patient.samples.sample.2.portions.portion.2.analytes.analyte.aliquots.aliquot.4.
8 NA's
2 518

patient.samples.sample.2.portions.portion.2.analytes.analyte.aliquots.aliquot.4.
3 NA's

```

2 518

patient.samples.sample.2.portions.portion.2.analytes.analyte.aliquots.aliquot.4.
a46w NA's

2 518

patient.samples.sample.2.portions.portion.2.analytes.analyte.aliquots.aliquot.4.

a g NA's

1 1 518

patient.samples.sample.2.portions.portion.2.analytes.analyte.aliquots.aliquot.4.

1.4 1.6 NA's

1 1 518

patient.samples.sample.2.portions.portion.2.analytes.analyte.aliquots.aliquot.4.

23 NA's

2 518

patient.samples.sample.2.portions.portion.2.analytes.analyte.aliquots.aliquot.4.

20 NA's

2 518

patient.samples.sample.2.portions.portion.2.analytes.analyte.aliquots.aliquot.4.

2015 NA's

2 518

patient.samples.sample.2.portions.portion.2.analytes.analyte.aliquots.aliquot.ad

fppp NA's

3 517

patient.samples.sample.2.portions.portion.2.analytes.analyte.aliquots.aliquot.ad

tcga NA's

3 517

patient.samples.sample.2.portions.portion.2.analytes.analyte.aliquots.aliquot.bo

tcga-44-4112-01b-06d-a271-08 tcga-44-6146-01b-04d-a271-08

1

1

tcga-44-6147-01b-06r-a277-07

NA's

1

517

patient.samples.sample.2.portions.portion.2.analytes.analyte.aliquots.aliquot.bo

9bbfdad9-a417-49a6-ad5d-e865f63824bf df6f7086-9b48-46aa-ad7e-c0545d3af19f

1

1

e6e89f3d-6c2b-46b3-9698-3d0ef5cbaed9

NA's

1

517

patient.samples.sample.2.portions.portion.2.analytes.analyte.aliquots.aliquot.bi

128923907 132158869 145632070 NA's

1

1

1

517

patient.samples.sample.2.portions.portion.2.analytes.analyte.aliquots.aliquot.ce

7 8 NA's

```
1 2 517
patient.samples.sample.2.portions.portion.2.analytes.analyte.aliquots.aliquot.co
0.07 0.08 0.15 NA's
1 1 1 517
patient.samples.sample.2.portions.portion.2.analytes.analyte.aliquots.aliquot.da
14 NA's
3 517
patient.samples.sample.2.portions.portion.2.analytes.analyte.aliquots.aliquot.is
yes NA's
3 517
patient.samples.sample.2.portions.portion.2.analytes.analyte.aliquots.aliquot.mo
3 NA's
3 517
patient.samples.sample.2.portions.portion.2.analytes.analyte.aliquots.aliquot.pl
2 NA's
3 517
patient.samples.sample.2.portions.portion.2.analytes.analyte.aliquots.aliquot.pl
a271 a277 NA's
2 1 517
patient.samples.sample.2.portions.portion.2.analytes.analyte.aliquots.aliquot.pl
c f h NA's
1 1 1 517
patient.samples.sample.2.portions.portion.2.analytes.analyte.aliquots.aliquot.qu
1.4 1.6 1.95 NA's
1 1 1 517
patient.samples.sample.2.portions.portion.2.analytes.analyte.aliquots.aliquot.sc
23 NA's
3 517
patient.samples.sample.2.portions.portion.2.analytes.analyte.aliquots.aliquot.vo
13 20 NA's
1 2 517
patient.samples.sample.2.portions.portion.2.analytes.analyte.aliquots.aliquot.ye
2013 NA's
3 517
patient.samples.sample.2.portions.portion.2.analytes.analyte.amount:
8.13 8.81 28.63 NA's
1 1 1 517
patient.samples.sample.2.portions.portion.2.analytes.analyte.analyte_type:
dna rna NA's
```

2 1 517

patient.samples.sample.2.portions.portion.2.analytes.analyte.analyte_type_id:
 d r NA's
 2 1 517

patient.samples.sample.2.portions.portion.2.analytes.analyte.bcr_analyte_barcode:
 tcga-44-4112-01b-06d tcga-44-6146-01b-04d tcga-44-6147-01b-06r
 1 1 1
 NA's
 517

patient.samples.sample.2.portions.portion.2.analytes.analyte.bcr_analyte_uuid:
 11857252-ba3f-4eea-8bea-a415f84897ed 27bf8121-ff73-4e90-8684-161053f8cc3d
 1 1
 bfbc6fcc-62ef-41c6-bf51-aa6359426d38 NA's
 1 517

patient.samples.sample.2.portions.portion.2.analytes.analyte.concentration:
 0.14 0.15 NA's
 1 2 517

patient.samples.sample.2.portions.portion.2.analytes.analyte.dna.normal_tumor_ge:
 yes NA's
 2 518

patient.samples.sample.2.portions.portion.2.analytes.analyte.dna.pcr_amplificati:
 yes NA's
 2 518

patient.samples.sample.2.portions.portion.2.analytes.analyte.gel_image_file:
<https://sharedoc.nchri.org/tcga-bcr/default.aspx>
 3
 NA's
 517

patient.samples.sample.2.portions.portion.2.analytes.analyte.is_derived_from_ffp:
 yes NA's
 3 517

patient.samples.sample.2.portions.portion.2.analytes.analyte.protocols.protocol:
 allprep ffpe dna highpure mirna (allprep dna) ffpe rna
 2 1
 NA's
 517

patient.samples.sample.2.portions.portion.2.analytes.analyte.rna.ratio_28s_18s:
 0 NA's
 1 519

patient.samples.sample.2.portions.portion.2.analytes.analyte.rna.rinvalue:
 2.4 NA's

1 519

patient.samples.sample.2.portions.portion.2.analytes.analyte.spectrophotometer_m
 picogreen uv spec NA's
 2 1 517

patient.samples.sample.2.portions.portion.2.bcr_portion_barcode:
 tcga-44-4112-01b-06 tcga-44-6146-01b-04 tcga-44-6147-01b-06 NA's
 1 1 1 517

patient.samples.sample.2.portions.portion.2.bcr_portion_uuid:
 b7175519-80fa-4538-9121-8c2116fdbbaa c0faaa32-d2f8-4ec8-a468-56c5a55090c0 1 1
 d747a77e-d225-4d9e-98fb-b4823293269d NA's
 1 517

patient.samples.sample.2.portions.portion.2.day_of_creation:
 7 13 14 NA's
 1 1 1 517

patient.samples.sample.2.portions.portion.2.is_ffpe:
 yes NA's
 3 517

patient.samples.sample.2.portions.portion.2.month_of_creation:
 2 NA's
 3 517

patient.samples.sample.2.portions.portion.2.portion_number:
 4 6 NA's
 1 2 517

patient.samples.sample.2.portions.portion.2.portion_sequence:
 4 6 NA's
 1 2 517

patient.samples.sample.2.portions.portion.2.slides.slide.2.bcr_slide_barcode:
 tcga-44-4112-01b-06-bs6 tcga-44-6146-01b-04-bs4 tcga-44-6147-01b-06-bs6
 1 1 1
 NA's
 517

patient.samples.sample.2.portions.portion.2.slides.slide.2.bcr_slide_uuid:
 74fac41a-3a9c-4821-9bb9-63985d835f30 a229c77a-9386-47fe-bded-15541c9a4d19 1 1
 a6f8a54c-8e91-4133-aab0-cde658ae6b1b NA's
 1 517

patient.samples.sample.2.portions.portion.2.slides.slide.2.image_file_name:
 tcga-44-4112-01b-06-bs6.a229c77a-9386-47fe-bded-15541c9a4d19.svs 1
 tcga-44-6146-01b-04-bs4.a6f8a54c-8e91-4133-aab0-cde658ae6b1b.svs

```

tcga-44-6147-01b-06-bs6.74fac41a-3a9c-4821-9bb9-63985d835f30.svs
1
1
NA's
517

patient.samples.sample.2.portions.portion.2.slides.slide.2.is_derived_from_ffpe:
yes NA's
3 517

patient.samples.sample.2.portions.portion.2.slides.slide.2.percent_lymphocyte_in
5 12 25 NA's
1 1 1 517

patient.samples.sample.2.portions.portion.2.slides.slide.2.percent_monocyte_infi
2 3 NA's
2 1 517

patient.samples.sample.2.portions.portion.2.slides.slide.2.percent_necrosis:
0 1 NA's
2 1 517

patient.samples.sample.2.portions.portion.2.slides.slide.2.percent_neutrophil_in
0 1 2 NA's
1 1 1 517

patient.samples.sample.2.portions.portion.2.slides.slide.2.percent_normal_cells:
0 2 NA's
2 1 517

patient.samples.sample.2.portions.portion.2.slides.slide.2.percent_stromal_cells
20 27 30 NA's
1 1 1 517

patient.samples.sample.2.portions.portion.2.slides.slide.2.percent_tumor_cells:
70 80 NA's
2 1 517

patient.samples.sample.2.portions.portion.2.slides.slide.2.percent_tumor_nuclei:
70 80 NA's
1 2 517

patient.samples.sample.2.portions.portion.2.slides.slide.2.section_location:
bottom NA's
3 517

patient.samples.sample.2.portions.portion.2.slides.slide.bcr_slide_barcode:
tcga-44-4112-01b-05-bs5 tcga-44-6146-01b-03-bs3 tcga-44-6147-01b-05-bs5
1 1 1
NA's
517

```

```

patient.samples.sample.2.portions.portion.2.slides.slide.bcr_slide_uuid:
21f5bbd4-ee97-4093-875a-47ec7abb9fbe b838e2dc-8869-4c72-9f1d-a066ff307579
                                1                                1
caa4a154-72d4-4a13-8999-674d5558bd09                                NA's
                                1                                517
    
```

```

patient.samples.sample.2.portions.portion.2.slides.slide.image_file_name:
tcga-44-4112-01b-05-bs5.21f5bbd4-ee97-4093-875a-47ec7abb9fbe.svs
                                                                1
tcga-44-6146-01b-03-bs3.caa4a154-72d4-4a13-8999-674d5558bd09.svs
                                                                1
tcga-44-6147-01b-05-bs5.b838e2dc-8869-4c72-9f1d-a066ff307579.svs
                                                                1
                                                                NA's
                                                                517
    
```

```

patient.samples.sample.2.portions.portion.2.slides.slide.is_derived_from_ffpe:
yes NA's
  3  517
    
```

```

patient.samples.sample.2.portions.portion.2.slides.slide.percent_lymphocyte_infi
  5  10  20 NA's
  1   1   1  517
    
```

```

patient.samples.sample.2.portions.portion.2.slides.slide.percent_monocyte_infilt
  2   3 NA's
  1   2  517
    
```

```

patient.samples.sample.2.portions.portion.2.slides.slide.percent_necrosis:
  0   1   2 NA's
  1   1   1  517
    
```

```

patient.samples.sample.2.portions.portion.2.slides.slide.percent_neutrophil_infi
  0   1   2 NA's
  1   1   1  517
    
```

```

patient.samples.sample.2.portions.portion.2.slides.slide.percent_normal_cells:
  0   2   5 NA's
  1   1   1  517
    
```

```

patient.samples.sample.2.portions.portion.2.slides.slide.percent_stromal_cells:
 20  31  35 NA's
  1   1   1  517
    
```

```

patient.samples.sample.2.portions.portion.2.slides.slide.percent_tumor_cells:
 60  65  79 NA's
  1   1   1  517
    
```

```

patient.samples.sample.2.portions.portion.2.slides.slide.percent_tumor_nuclei:
 65  80 NA's
  1   2  517
    
```

patient.samples.sample.2.portions.portion.2.slides.slide.section_location:
 top NA's
 3 517

patient.samples.sample.2.portions.portion.2.weight:
 400 NA's
 3 517

patient.samples.sample.2.portions.portion.2.year_of_creation:
 2013 NA's
 3 517

patient.samples.sample.2.portions.portion.analytes.analyte.2.a260_a280_ratio:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 1.400 1.700 1.770 1.742 1.800 1.860 477

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.2.
 fppp NA's
 1 519

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.2.
 tcga NA's
 1 519

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.2.
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 96484633 98890500 103961063 107633929 103961102 167814238 453

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.2.
 9 13 36 NA's
 60 1 6 453

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.2.
 0.16 0.17 0.18 0.5 NA's
 3 1 3 60 453

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.2.
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 13.0 20.5 27.0 24.1 27.0 29.0 453

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.2.
 no yes NA's
 60 7 453

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.2.
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 3.000 5.000 9.000 7.224 9.000 9.000 453

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.2.
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's

2.000 5.000 6.000 6.403 8.000 11.000 453

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.2.

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0.80	40.00	40.00	35.95	40.00	40.00	453

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.2.

22	23	NA's
60	7	453

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.2.

5	20	80	NA's
6	1	60	453

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.2.

2010	2013	2015	NA's
60	1	6	453

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.3.

tcga-38-4630-11a-01w-a315-08	tcga-44-6775-01c-02r-a46x-36
	1
	1
	NA's
	518

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.3.

3aa5c9bb-8270-4c9d-b16e-f7dfb4ec8c0f	ddda418a-49fc-4658-a7d3-2617b474eb3b
	1
	1
	NA's
	518

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.3.

153878502	167814219	NA's
	1	1
		518

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.3.

8	36	NA's
1	1	518

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.3.

0.18	0.5	NA's
1	1	518

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.3.

15	26	NA's
1	1	518

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.3.

no	yes	NA's
1	1	518

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.3.
 7 8 NA's
 1 1 518

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.3.
 1 4 NA's
 1 1 518

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.3.
 a315 a46x NA's
 1 1 518

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.3.
 b h NA's
 1 1 518

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.3.
 0.9 5 NA's
 1 1 518

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.3.
 23 NA's
 2 518

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.3.
 5 10 NA's
 1 1 518

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.3.
 2013 2015 NA's
 1 1 518

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.ad
 fppp NA's
 9 511

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.ad
 tcga NA's
 9 511

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.bi

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
9.651e+07	1.136e+08	1.283e+08	2.715e+08	1.457e+08	1.076e+09	15

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.ce
 7 8 13 NA's
 38 452 15 15

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.co

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
------	---------	--------	------	---------	------	------

```

0.1200 0.5000 0.5000 0.4631 0.5000 0.5000 15

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.da
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.   NA's
  1.0     8.0    21.0    18.1   27.0    30.0    15

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.is
  no  yes NA's
 496   9  15

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.mo
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.   NA's
 1.000   3.000   5.000   5.842   8.000  12.000    15

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.pl
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.   NA's
 1.000   6.000   8.000   7.515  10.000  12.000    15

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.qu
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.   NA's
  1.60   40.00   40.00   36.04   40.00   40.00    15

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.so
  22  23 NA's
 360 145  15

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.vo
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.   NA's
 13.00   80.00   80.00   73.25   80.00   80.00    15

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.ye
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.   NA's
 2010   2011   2012    2012   2013   2014    15

patient.samples.sample.2.portions.portion.analytes.analyte.2.amount:
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.   NA's
  0.0     69.0   176.0   144.6   191.0   262.0   151

patient.samples.sample.2.portions.portion.analytes.analyte.2.analyte_type:
  repli-g (qiagen) dna repli-g x (qiagen) dna                rna
                451                                1                53
                NA's
                15

patient.samples.sample.2.portions.portion.analytes.analyte.2.analyte_type_id:
  h    r    w    x NA's
 15   38  451   1  15

```

patient.samples.sample.2.portions.portion.analytes.analyte.2.concentration:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 0.1200 0.5000 0.5000 0.4495 0.5000 0.5000 151

patient.samples.sample.2.portions.portion.analytes.analyte.2.dna.normal_tumor_ge
 yes NA's
 452 68

patient.samples.sample.2.portions.portion.analytes.analyte.2.dna.pcr_amplificati
 no yes NA's
 316 136 68

patient.samples.sample.2.portions.portion.analytes.analyte.2.gel_image_file:
<https://sharedoc.nchri.org/tcga-bcr/default.aspx>
 505
 NA's
 15

patient.samples.sample.2.portions.portion.analytes.analyte.2.is_derived_from_ffp
 no yes NA's
 496 9 15

patient.samples.sample.2.portions.portion.analytes.analyte.2.rna.ratio_28s_18s:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 0.000 1.010 1.110 1.008 1.300 1.700 467

patient.samples.sample.2.portions.portion.analytes.analyte.2.rna.rinvalue:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 2.300 7.000 7.400 6.859 8.100 9.400 467

patient.samples.sample.2.portions.portion.analytes.analyte.2.spectrophotometer_m
 picogreen uv spec NA's
 202 167 151

patient.samples.sample.2.portions.portion.analytes.analyte.2.subportion_sequence
 1 NA's
 5 515

patient.samples.sample.2.portions.portion.analytes.analyte.3.a260_a280_ratio:
 1.5 1.6 1.7 NA's
 1 1 7 511

patient.samples.sample.2.portions.portion.analytes.analyte.3.aliquots.aliquot.2.
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 96491266 96491548 103961622 101247981 103961660 103961696 461

patient.samples.sample.2.portions.portion.analytes.analyte.3.aliquots.aliquot.2.
 9 NA's
 59 461

patient.samples.sample.2.portions.portion.analytes.analyte.3.aliquots.aliquot.2.
 0.5 NA's
 59 461

patient.samples.sample.2.portions.portion.analytes.analyte.3.aliquots.aliquot.2.
 15 27 29 NA's
 16 35 8 461

patient.samples.sample.2.portions.portion.analytes.analyte.3.aliquots.aliquot.2.
 no NA's
 59 461

patient.samples.sample.2.portions.portion.analytes.analyte.3.aliquots.aliquot.2.
 4 6 9 NA's
 16 8 35 461

patient.samples.sample.2.portions.portion.analytes.analyte.3.aliquots.aliquot.2.
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 3.000 6.000 7.000 6.881 8.500 11.000 461

patient.samples.sample.2.portions.portion.analytes.analyte.3.aliquots.aliquot.2.
 931 1070 1260 NA's
 16 8 35 461

patient.samples.sample.2.portions.portion.analytes.analyte.3.aliquots.aliquot.2.
 40 NA's
 59 461

patient.samples.sample.2.portions.portion.analytes.analyte.3.aliquots.aliquot.2.
 22 NA's
 59 461

patient.samples.sample.2.portions.portion.analytes.analyte.3.aliquots.aliquot.2.
 80 NA's
 59 461

patient.samples.sample.2.portions.portion.analytes.analyte.3.aliquots.aliquot.2.
 2010 NA's
 59 461

patient.samples.sample.2.portions.portion.analytes.analyte.3.aliquots.aliquot.bi
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 9.751e+07 1.040e+08 1.040e+08 3.989e+08 1.054e+09 1.054e+09 417

patient.samples.sample.2.portions.portion.analytes.analyte.3.aliquots.aliquot.ce
 7 8 NA's
 11 92 417

patient.samples.sample.2.portions.portion.analytes.analyte.3.aliquots.aliquot.co
 0.13 0.14 0.15 0.5 NA's
 2 4 5 92 417

patient.samples.sample.2.portions.portion.analytes.analyte.3.aliquots.aliquot.da
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 5.00 22.00 27.00 24.11 29.00 29.00 417

patient.samples.sample.2.portions.portion.analytes.analyte.3.aliquots.aliquot.is
 no NA's
 103 417

patient.samples.sample.2.portions.portion.analytes.analyte.3.aliquots.aliquot.mo
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 2.000 6.000 8.000 7.291 9.000 12.000 417

patient.samples.sample.2.portions.portion.analytes.analyte.3.aliquots.aliquot.pl
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 3.000 6.000 7.000 7.515 9.000 12.000 417

patient.samples.sample.2.portions.portion.analytes.analyte.3.aliquots.aliquot.pl
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 930 1259 1259 1480 1906 2180 417

patient.samples.sample.2.portions.portion.analytes.analyte.3.aliquots.aliquot.qu
 1.73 1.86 2 40 NA's
 2 4 5 92 417

patient.samples.sample.2.portions.portion.analytes.analyte.3.aliquots.aliquot.so
 22 NA's
 103 417

patient.samples.sample.2.portions.portion.analytes.analyte.3.aliquots.aliquot.vo
 13.3 80 NA's
 11 92 417

patient.samples.sample.2.portions.portion.analytes.analyte.3.aliquots.aliquot.ye
 2010 2011 2012 NA's
 59 43 1 417

patient.samples.sample.2.portions.portion.analytes.analyte.3.amount:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 4.2 59.0 78.0 101.0 158.0 236.0 417

patient.samples.sample.2.portions.portion.analytes.analyte.3.analyte_type:
 repli-g (qiagen) dna repli-g x (qiagen) dna rna
 33 59 11
 NA's
 417

patient.samples.sample.2.portions.portion.analytes.analyte.3.analyte_type_id:

r w x NA's
 11 33 59 417

patient.samples.sample.2.portions.portion.analytes.analyte.3.concentration:
 0.13 0.14 0.15 0.5 NA's
 2 4 5 92 417

patient.samples.sample.2.portions.portion.analytes.analyte.3.dna.normal_tumor_ge
 yes NA's
 92 428

patient.samples.sample.2.portions.portion.analytes.analyte.3.dna.pcr_amplificati
 no NA's
 92 428

patient.samples.sample.2.portions.portion.analytes.analyte.3.gel_image_file:
<https://sharedoc.nchri.org/tcga-bcr/default.aspx>
 103
 NA's
 417

patient.samples.sample.2.portions.portion.analytes.analyte.3.is_derived_from_ffp
 no NA's
 103 417

patient.samples.sample.2.portions.portion.analytes.analyte.3.protocols.protocol.
 allprep rna extraction mirvana (allprep dna) rna repli-g
 8 3 33
 repli-g x NA's
 59 417

patient.samples.sample.2.portions.portion.analytes.analyte.3.rna.ratio_28s_18s:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 1.100 1.170 1.330 1.282 1.380 1.440 509

patient.samples.sample.2.portions.portion.analytes.analyte.3.rna.rinvalue:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 7.100 7.350 7.700 7.918 8.350 9.500 509

patient.samples.sample.2.portions.portion.analytes.analyte.3.spectrophotometer_m
 picogreen uv spec NA's
 27 76 417

patient.samples.sample.2.portions.portion.analytes.analyte.3.subportion_sequence
 1 NA's
 2 518

patient.samples.sample.2.portions.portion.analytes.analyte.4.aliquots.aliquot.bi

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1.070e+08	1.140e+08	1.054e+09	6.261e+08	1.054e+09	1.054e+09	509

patient.samples.sample.2.portions.portion.analytes.analyte.4.aliquots.aliquot.ce

8 NA's
11 509

patient.samples.sample.2.portions.portion.analytes.analyte.4.aliquots.aliquot.co

0.5 NA's
11 509

patient.samples.sample.2.portions.portion.analytes.analyte.4.aliquots.aliquot.da

8 25 30 NA's
3 6 2 509

patient.samples.sample.2.portions.portion.analytes.analyte.4.aliquots.aliquot.is

no NA's
11 509

patient.samples.sample.2.portions.portion.analytes.analyte.4.aliquots.aliquot.mo

1 6 7 NA's
2 3 6 509

patient.samples.sample.2.portions.portion.analytes.analyte.4.aliquots.aliquot.pl

8 9 NA's
9 2 509

patient.samples.sample.2.portions.portion.analytes.analyte.4.aliquots.aliquot.pl

1804 1906 2160 NA's
3 6 2 509

patient.samples.sample.2.portions.portion.analytes.analyte.4.aliquots.aliquot.qu

40 NA's
11 509

patient.samples.sample.2.portions.portion.analytes.analyte.4.aliquots.aliquot.so

22 NA's
11 509

patient.samples.sample.2.portions.portion.analytes.analyte.4.aliquots.aliquot.vo

80 NA's
11 509

patient.samples.sample.2.portions.portion.analytes.analyte.4.aliquots.aliquot.ye

2011 2012 NA's
9 2 509

patient.samples.sample.2.portions.portion.analytes.analyte.4.amount:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
164.0	182.0	186.0	189.4	196.5	231.0	509


```

patient.samples.sample.2.portions.portion.analytes.analyte.4.analyte_type:
repli-g (qiagen) dna          NA's
      11                      509

patient.samples.sample.2.portions.portion.analytes.analyte.4.analyte_type_id:
  w NA's
  11  509

patient.samples.sample.2.portions.portion.analytes.analyte.4.concentration:
0.5 NA's
  11  509

patient.samples.sample.2.portions.portion.analytes.analyte.4.dna.normal_tumor_ge
yes NA's
  11  509

patient.samples.sample.2.portions.portion.analytes.analyte.4.dna.pcr_amplificati
no NA's
  11  509

patient.samples.sample.2.portions.portion.analytes.analyte.4.gel_image_file:
https://sharedoc.nchri.org/tcga-bcr/default.aspx
      11
      NA's
      509

patient.samples.sample.2.portions.portion.analytes.analyte.4.is_derived_from_ffp
no NA's
  11  509

patient.samples.sample.2.portions.portion.analytes.analyte.4.protocols.protocol.
repli-g    NA's
      11    509

patient.samples.sample.2.portions.portion.analytes.analyte.4.spectrophotometer_m
picogreen  uv spec    NA's
      8      3      509

patient.samples.sample.2.portions.portion.analytes.analyte.4.subportion_sequence
  1 NA's
  2  518

patient.samples.sample.2.portions.portion.analytes.analyte.a260_a280_ratio:
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.    NA's
  1.800  1.900  1.900  1.919  1.900  3.200  349

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.2.ad
fppp NA's
  11  509

```

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.2.ad
tcga NA's
11 509

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.2.bi
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
9.752e+07 1.210e+08 1.323e+08 4.487e+08 1.054e+09 1.076e+09 2

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.2.ce
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
1.000 1.000 8.000 5.357 8.000 36.000 2

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.2.co
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
0.05000 0.05000 0.08000 0.09913 0.15000 0.50000 2

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.2.da
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
1.00 10.00 18.00 18.22 29.00 30.00 2

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.2.is
no yes NA's
506 12 2

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.2.mo
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
1.000 4.000 6.000 6.741 11.000 12.000 2

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.2.pl
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
1.000 5.000 7.000 6.986 9.000 12.000 2

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.2.qu
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
0.750 1.010 3.000 2.258 3.000 40.000 2

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.2.so
22 23 NA's
395 123 2

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.2.vo
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
5.00 6.67 40.00 33.57 60.00 80.00 2

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.2.ye
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
2010 2011 2012 2012 2012 2015 2

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.3.ad
fppp NA's

9 511

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.3.ad
tcga NA's

9 511

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.3.bi

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
9.753e+07	1.070e+08	1.678e+08	4.641e+08	1.054e+09	1.076e+09	243

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.3.ce

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1.000	8.000	8.000	8.271	9.000	36.000	243

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.3.co

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0.05000	0.05000	0.07000	0.08357	0.14000	0.17000	243

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.3.da

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
7.00	11.00	22.00	21.28	29.00	30.00	243

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.3.is

no	yes	NA's
267	10	243

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.3.mo

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
2.000	4.000	5.000	5.552	8.000	12.000	243

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.3.pl

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1.000	4.000	7.000	6.455	9.000	12.000	243

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.3.qu

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0.750	1.960	2.240	2.374	3.000	4.270	243

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.3.so

22	23	NA's
200	77	243

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.3.vo

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
5.00	26.70	28.00	37.14	60.00	60.00	243

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.3.ye							
Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's	
2010	2011	2011	2012	2013	2015	243	

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.4.bi							
Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's	
9.753e+07	1.040e+08	1.136e+08	3.440e+08	1.678e+08	1.076e+09	375	

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.4.ce							
Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's	
1.000	5.000	8.000	6.469	9.000	10.000	375	

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.4.co							
Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's	
0.0500	0.1300	0.1400	0.1285	0.1500	0.1700	375	

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.4.da							
Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's	
3.00	10.00	22.00	19.36	27.00	30.00	375	

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.4.is							
no	yes	NA's					
137	8	375					

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.4.mo							
Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's	
1.000	5.000	8.000	6.903	9.000	12.000	375	

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.4.pl							
Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's	
1.000	4.000	7.000	6.497	8.000	12.000	375	

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.4.qu							
Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's	
0.750	1.500	1.800	1.788	2.130	4.010	375	

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.4.so							
22	23	NA's					
122	23	375					

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.4.vo							
Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's	
5.00	10.00	13.30	16.18	20.00	60.00	375	

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.4.ye							
Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's	
2010	2010	2011	2011	2011	2015	375	

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.5.bi
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 9.753e+07 1.040e+08 1.539e+08 2.869e+08 1.678e+08 1.076e+09 454

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.5.ce
 1 8 9 10 NA's
 6 29 17 14 454

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.5.co
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 0.050 0.070 0.135 0.110 0.150 0.170 454

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.5.da
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 3.00 22.00 26.50 22.86 27.00 29.00 454

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.5.is
 no NA's
 66 454

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.5.mo
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 1.000 4.000 6.000 6.273 9.000 9.000 454

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.5.pl
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 1.000 3.000 4.000 5.742 9.000 12.000 454

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.5.qu
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 0.870 1.002 1.070 1.448 1.960 3.400 454

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.5.so
 22 23 NA's
 41 25 454

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.5.vo
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 6.67 6.70 13.40 16.88 28.00 40.00 454

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.5.ye
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 2010 2010 2012 2012 2013 2015 454

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.6.bi
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's

1.136e+08 1.194e+08 1.539e+08 2.305e+08 1.539e+08 1.076e+09 489

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.6.ce

1 8 10 NA's
5 25 1 489

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.6.co

Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
0.0500 0.0700 0.0800 0.1039 0.1500 0.1600 489

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.6.da

Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
3.00 26.00 26.00 23.55 27.00 29.00 489

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.6.is

no NA's
31 489

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.6.mo

Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
1.000 6.000 6.000 6.129 6.000 9.000 489

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.6.pl

Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
1.000 2.000 5.000 4.129 6.000 8.000 489

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.6.qu

Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
0.930 1.000 1.070 1.241 1.310 2.000 489

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.6.sc

22 23 NA's
12 19 489

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.6.vo

Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
6.670 7.335 13.400 14.160 13.400 40.000 489

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.6.ye

2011 2012 2013 2015 NA's
2 10 18 1 489

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.7.bi

Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
125245404 125245999 153879497 147818279 157362606 167813352 508

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.7.ce

1 8 9 10 NA's

4 5 1 2 508

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.7.co

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0.0700	0.0800	0.0800	0.1025	0.1425	0.1700	508

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.7.da

21	22	26	29	NA's
1	2	5	4	508

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.7.is

no NA's
12 508

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.7.mo

1	4	6	8	NA's
1	2	5	4	508

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.7.pl

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1.00	4.75	6.00	5.00	6.00	8.00	508

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.7.pl

2250	a313	a46a	a46h	NA's
4	5	1	2	508

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.7.qu

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0.940	1.070	1.095	1.281	1.240	2.240	508

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.7.so

22	23	NA's
4	8	508

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.7.vo

8	13.4	28	NA's
4	6	2	508

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.7.ye

2012	2013	2015	NA's
4	5	3	508

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.8.bo

tcga-64-1680-10a-01d-a313-08	NA's
1	519

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.8.bo

99cec84b-e353-4507-8f5e-0d3a14cd961c	NA's
1	519

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.8.bi

153879511 NA's
 1 519

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.8.ce
8 NA's
1 519

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.8.co
0.08 NA's
1 519

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.8.da
26 NA's
1 519

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.8.is
no NA's
1 519

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.8.mo
6 NA's
1 519

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.8.pl
8 NA's
1 519

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.8.pl
a313 NA's
1 519

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.8.pl
d NA's
1 519

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.8.qu
1.07 NA's
1 519

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.8.so
23 NA's
1 519

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.8.vo
13.4 NA's
1 519

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.8.ye
2013 NA's
1 519

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.9.bo

tcga-64-1680-10a-01d-a46a-09 NA's
 1 519

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.9.bo
 313d0c72-f165-450f-984f-6251c667d980 NA's
 1 519

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.9.bi
 167811811 NA's
 1 519

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.9.ce
 9 NA's
 1 519

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.9.co
 0.08 NA's
 1 519

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.9.da
 21 NA's
 1 519

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.9.is
 no NA's
 1 519

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.9.mo
 1 NA's
 1 519

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.9.pl
 5 NA's
 1 519

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.9.pl
 a46a NA's
 1 519

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.9.pl
 c NA's
 1 519

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.9.qu
 1.07 NA's
 1 519

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.9.so
 23 NA's
 1 519

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.9.vo

13.4 NA's
1 519

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.9.ye
2015 NA's
1 519

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.addi
fppp NA's
12 508

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.addi
tcga NA's
12 508

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.bios
Min. 1st Qu. Median Mean 3rd Qu. Max.
9.649e+07 1.210e+08 1.323e+08 4.656e+08 1.054e+09 1.076e+09

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.cent
1 2 7 8
310 174 2 34

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.conc
Min. 1st Qu. Median Mean 3rd Qu. Max.
0.0600 0.1400 0.1500 0.1476 0.1600 0.5000

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.day_
Min. 1st Qu. Median Mean 3rd Qu. Max.
1.00 10.00 18.00 18.03 29.00 30.00

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.is_d
no yes
506 14

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.mont
Min. 1st Qu. Median Mean 3rd Qu. Max.
1.000 4.000 6.000 6.727 11.000 12.000

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.plat
Min. 1st Qu. Median Mean 3rd Qu. Max.
1.000 5.000 7.000 6.977 9.000 12.000

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.quant
Min. 1st Qu. Median Mean 3rd Qu. Max.
0.870 1.000 1.130 1.453 1.730 40.000

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.sour

22 23
395 125

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.volu
Min. 1st Qu. Median Mean 3rd Qu. Max.
6.67 6.67 6.70 10.28 13.30 80.00

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.year
2010 2011 2012 2013 2014
62 194 207 33 24

patient.samples.sample.2.portions.portion.analytes.analyte.amount:
Min. 1st Qu. Median Mean 3rd Qu. Max.
0.00 39.52 124.35 185.91 268.27 1294.60

patient.samples.sample.2.portions.portion.analytes.analyte.analyte_type:
dna repli-g (qiagen) dna rna
517 1 2

patient.samples.sample.2.portions.portion.analytes.analyte.analyte_type_id:
d r w
517 2 1

patient.samples.sample.2.portions.portion.analytes.analyte.concentration:
Min. 1st Qu. Median Mean 3rd Qu. Max.
0.1200 0.1400 0.1500 0.1524 0.1600 0.5000

patient.samples.sample.2.portions.portion.analytes.analyte.dna.normal_tumor_genom
yes NA's
518 2

patient.samples.sample.2.portions.portion.analytes.analyte.dna.pcr_amplification
no yes NA's
372 146 2

patient.samples.sample.2.portions.portion.analytes.analyte.gel_image_file:
<https://sharedoc.nchri.org/tcga-bcr/default.aspx>
520

patient.samples.sample.2.portions.portion.analytes.analyte.is_derived_from_ffpe:
no yes
506 14

patient.samples.sample.2.portions.portion.analytes.analyte.rna.ratio_28s_18s:
0 2.53 NA's
1 1 518

patient.samples.sample.2.portions.portion.analytes.analyte.rna.rinvalue:
2.4 2.5 NA's

1 1 518

patient.samples.sample.2.portions.portion.analytes.analyte.spectrophotometer_method
picogreen uv spec
348 172

patient.samples.sample.2.portions.portion.analytes.analyte.subportion_sequence:
1 NA's
13 507

patient.samples.sample.2.portions.portion.day_of_creation:
Min. 1st Qu. Median Mean 3rd Qu. Max.
1.00 10.00 18.00 17.73 27.00 31.00

patient.samples.sample.2.portions.portion.is_ffpe:
no yes
506 14

patient.samples.sample.2.portions.portion.month_of_creation:
Min. 1st Qu. Median Mean 3rd Qu. Max.
1.000 4.000 7.000 6.517 10.000 12.000

patient.samples.sample.2.portions.portion.portion_number:
Min. 1st Qu. Median Mean 3rd Qu. Max.
1.000 1.000 1.000 1.327 1.000 21.000

patient.samples.sample.2.portions.portion.portion_sequence:
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
1.000 1.000 1.000 1.252 1.000 6.000 409

patient.samples.sample.2.portions.portion.slides.slide.2.is_derived_from_ffpe:
no yes NA's
28 12 480

patient.samples.sample.2.portions.portion.slides.slide.2.percent_lymphocyte_infiltration:
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
0.00 2.25 5.00 11.36 15.00 50.00 506

patient.samples.sample.2.portions.portion.slides.slide.2.percent_monocyte_infiltration:
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
0.000 0.250 2.000 5.786 4.500 50.000 506

patient.samples.sample.2.portions.portion.slides.slide.2.percent_necrosis:
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
0.000 1.000 1.500 4.286 8.000 15.000 506

patient.samples.sample.2.portions.portion.slides.slide.2.percent_neutrophil_infiltration:

0	1	2	3	NA's
7	1	2	4	506

patient.samples.sample.2.portions.portion.slides.slide.2.percent_normal_cells:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 0.000 0.000 0.000 1.286 2.000 5.000 506

patient.samples.sample.2.portions.portion.slides.slide.2.percent_stromal_cells:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 0.00 19.25 21.50 22.93 26.50 42.00 506

patient.samples.sample.2.portions.portion.slides.slide.2.percent_tumor_cells:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 55.0 62.5 70.0 71.5 78.0 99.0 506

patient.samples.sample.2.portions.portion.slides.slide.2.percent_tumor_nuclei:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 65.00 70.00 72.50 73.93 80.00 85.00 506

patient.samples.sample.2.portions.portion.slides.slide.2.section_location:
 bottom top NA's
 10 30 480

patient.samples.sample.2.portions.portion.slides.slide.is_derived_from_ffpe:
 no yes NA's
 100 12 408

patient.samples.sample.2.portions.portion.slides.slide.percent_lymphocyte_infiltration:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 0.000 2.000 4.000 8.345 10.000 50.000 491

patient.samples.sample.2.portions.portion.slides.slide.percent_monocyte_infiltration:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 0.000 2.000 5.000 7.862 10.000 40.000 491

patient.samples.sample.2.portions.portion.slides.slide.percent_necrosis:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 0.00 0.00 0.00 2.88 3.00 20.00 495

patient.samples.sample.2.portions.portion.slides.slide.percent_neutrophil_infiltration:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 0.000 0.000 1.000 2.793 2.000 30.000 491

patient.samples.sample.2.portions.portion.slides.slide.percent_normal_cells:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 0.0 0.0 5.0 30.8 60.0 100.0 495

patient.samples.sample.2.portions.portion.slides.slide.percent_stromal_cells:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's

0.0	15.0	25.0	25.8	40.0	50.0	495
-----	------	------	------	------	------	-----

patient.samples.sample.2.portions.portion.slides.slide.percent_tumor_cells:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0.00	0.00	55.00	40.52	75.00	100.00	495

patient.samples.sample.2.portions.portion.slides.slide.percent_tumor_nuclei:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0.0	0.0	65.0	41.2	75.0	80.0	495

patient.samples.sample.2.portions.portion.slides.slide.section_location:

bottom	top	NA's
30	82	408

patient.samples.sample.2.portions.portion.weight:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1.00	2.00	33.50	70.58	73.00	400.00	340

patient.samples.sample.2.portions.portion.year_of_creation:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.
2009	2011	2011	2011	2012	2014

patient.samples.sample.2.sample_type:

blood derived normal	ffpe scrolls	primary tumor
406	2	12
recurrent tumor	solid tissue normal	
2	98	

patient.samples.sample.2.sample_type_id:

1	2	10	11
14	2	406	98

patient.samples.sample.2.shortest_dimension:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0.1000	0.3000	0.4000	0.3775	0.5000	0.9000	431

patient.samples.sample.2.vial_number:

a	b	c	d
503	14	2	1

patient.samples.sample.3.days_to_collection:

597	849	NA's
1	1	518

patient.samples.sample.3.initial_weight:

40	NA's
1	519

patient.samples.sample.3.intermediate_dimension:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
------	---------	--------	------	---------	------	------

0.4000 0.5000 0.7000 0.7287 0.9000 1.5000 419

patient.samples.sample.3.is_ffpe:

no yes NA's
115 2 403

patient.samples.sample.3.longest_dimension:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0.600	0.800	1.000	1.186	1.500	2.700	419

patient.samples.sample.3.oct_embedded:

false NA's
2 518

patient.samples.sample.3.pathology_report_file_name:

tcga-93-8067.24b499ff-c99b-4d57-ac96-8978d0a44538.pdf 1
tcga-93-a4jp.3afdf9a9-8d19-4060-86e0-b24ae8c83a82.pdf 1
NA's
518

patient.samples.sample.3.pathology_report_uuid:

24b499ff-c99b-4d57-ac96-8978d0a44538 3afdf9a9-8d19-4060-86e0-b24ae8c83a82 1 1
NA's
518

patient.samples.sample.3.portions.portion.analytes.analyte.2.a260_a280_ratio:

1.5 1.7 1.8 NA's
1 3 11 505

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.2.

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
9.648e+07	9.649e+07	1.054e+09	6.438e+08	1.054e+09	1.054e+09	506

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.2.

7 9 NA's
8 6 506

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.2.

0.14 0.15 0.16 0.5 NA's
2 4 2 6 506

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.2.

11 15 29 NA's
8 5 1 506

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.2.

no NA's

14 506

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.2.

4 5 6 NA's
5 8 1 506

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.2.

1 2 4 5 NA's
6 2 1 5 506

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.2.

929 1069 1758 NA's
5 1 8 506

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.2.

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1.320	1.895	2.065	18.204	40.000	40.000	506

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.2.

22 NA's
14 506

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.2.

8.8 10.5 13.3 80 NA's
1 1 6 6 506

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.2.

2010 2011 NA's
6 8 506

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.bi

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
9.651e+07	1.210e+08	1.283e+08	3.682e+08	1.054e+09	1.076e+09	409

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.ce

7 8 13 NA's
3 74 34 409

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.co

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0.130	0.160	0.500	0.382	0.500	0.500	409

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.da

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1.0	7.0	9.0	14.2	23.0	30.0	409

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.is

no NA's
111 409

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.mo
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 2.000 5.000 5.000 5.775 7.000 12.000 409

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.pl
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 1.000 4.000 6.000 5.631 7.000 11.000 409

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.qu
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 1.73 3.00 40.00 27.60 40.00 40.00 409

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.sc
 22 23 NA's
 95 16 409

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.vo
 13.3 15 20 80 NA's
 3 2 32 74 409

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.ye
 2010 2011 2012 2013 NA's
 6 38 51 16 409

patient.samples.sample.3.portions.portion.analytes.analyte.2.amount:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 0.0 50.0 162.0 121.9 184.5 246.0 425

patient.samples.sample.3.portions.portion.analytes.analyte.2.analyte_type:
 repli-g (qiagen) dna rna NA's
 74 37 409

patient.samples.sample.3.portions.portion.analytes.analyte.2.analyte_type_id:
 h r w NA's
 26 11 74 409

patient.samples.sample.3.portions.portion.analytes.analyte.2.concentration:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 0.1300 0.1500 0.5000 0.3621 0.5000 0.5000 425

patient.samples.sample.3.portions.portion.analytes.analyte.2.dna.normal_tumor_ge
 yes NA's
 74 446

patient.samples.sample.3.portions.portion.analytes.analyte.2.dna.pcr_amplificati
 no yes NA's
 58 16 446

```

patient.samples.sample.3.portions.portion.analytes.analyte.2.gel_image_file:
https://sharedoc.nchri.org/tcga-bcr/default.aspx
111
NA's
409

patient.samples.sample.3.portions.portion.analytes.analyte.2.is_derived_from_ffp
no NA's
111 409

patient.samples.sample.3.portions.portion.analytes.analyte.2.protocols.protocol.
allprep rna extraction mirvana (allprep dna) rna repli-g
11 26 58
repli-g x NA's
16 409

patient.samples.sample.3.portions.portion.analytes.analyte.2.rna.ratio_28s_18s:
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
0.900 1.110 1.290 1.323 1.480 2.030 483

patient.samples.sample.3.portions.portion.analytes.analyte.2.rna.rinvalue:
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
7.00 7.50 7.80 7.84 8.10 8.90 483

patient.samples.sample.3.portions.portion.analytes.analyte.2.spectrophotometer_m
picogreen uv spec NA's
46 49 425

patient.samples.sample.3.portions.portion.analytes.analyte.3.a260_a280_ratio:
1.7 1.8 NA's
3 1 516

patient.samples.sample.3.portions.portion.analytes.analyte.3.aliquots.aliquot.2.
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
96491257 96491490 96491522 96890942 96491530 98888338 514

patient.samples.sample.3.portions.portion.analytes.analyte.3.aliquots.aliquot.2.
9 NA's
6 514

patient.samples.sample.3.portions.portion.analytes.analyte.3.aliquots.aliquot.2.
0.5 NA's
6 514

patient.samples.sample.3.portions.portion.analytes.analyte.3.aliquots.aliquot.2.
15 29 NA's
5 1 514

patient.samples.sample.3.portions.portion.analytes.analyte.3.aliquots.aliquot.2.

```

```

no NA's
  6  514

patient.samples.sample.3.portions.portion.analytes.analyte.3.aliquots.aliquot.2.
  4   6 NA's
  5   1  514

patient.samples.sample.3.portions.portion.analytes.analyte.3.aliquots.aliquot.2.
  4   5 NA's
  1   5  514

patient.samples.sample.3.portions.portion.analytes.analyte.3.aliquots.aliquot.2.
931 1070 NA's
  5   1  514

patient.samples.sample.3.portions.portion.analytes.analyte.3.aliquots.aliquot.2.
40 NA's
  6  514

patient.samples.sample.3.portions.portion.analytes.analyte.3.aliquots.aliquot.2.
22 NA's
  6  514

patient.samples.sample.3.portions.portion.analytes.analyte.3.aliquots.aliquot.2.
80 NA's
  6  514

patient.samples.sample.3.portions.portion.analytes.analyte.3.aliquots.aliquot.2.
2010 NA's
  6  514

patient.samples.sample.3.portions.portion.analytes.analyte.3.aliquots.aliquot.bi
  Min.  1st Qu.  Median    Mean  3rd Qu.    Max.    NA's
9.751e+07 1.210e+08 1.210e+08 2.495e+08 1.210e+08 1.054e+09    485

patient.samples.sample.3.portions.portion.analytes.analyte.3.aliquots.aliquot.ce
  7   8 NA's
  4  31  485

patient.samples.sample.3.portions.portion.analytes.analyte.3.aliquots.aliquot.co
0.14 0.15  0.5 NA's
  2   2  31  485

patient.samples.sample.3.portions.portion.analytes.analyte.3.aliquots.aliquot.da
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.    NA's
  5.00  15.00  27.00  21.74  28.00  29.00    485

patient.samples.sample.3.portions.portion.analytes.analyte.3.aliquots.aliquot.is
no NA's

```

35 485

patient.samples.sample.3.portions.portion.analytes.analyte.3.aliquots.aliquot.mo

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
2.000	4.000	6.000	7.771	12.000	12.000	485

patient.samples.sample.3.portions.portion.analytes.analyte.3.aliquots.aliquot.pl

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
4.0	5.0	5.0	5.6	6.0	9.0	485

patient.samples.sample.3.portions.portion.analytes.analyte.3.aliquots.aliquot.pl

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
930	1831	2107	1863	2107	2180	485

patient.samples.sample.3.portions.portion.analytes.analyte.3.aliquots.aliquot.qu

1.86	2	40	NA's
2	2	31	485

patient.samples.sample.3.portions.portion.analytes.analyte.3.aliquots.aliquot.sc

22	NA's
35	485

patient.samples.sample.3.portions.portion.analytes.analyte.3.aliquots.aliquot.vo

13.3	80	NA's
4	31	485

patient.samples.sample.3.portions.portion.analytes.analyte.3.aliquots.aliquot.ye

2010	2011	2012	NA's
6	23	6	485

patient.samples.sample.3.portions.portion.analytes.analyte.3.amount:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
4.2	82.5	153.0	139.6	194.5	219.0	485

patient.samples.sample.3.portions.portion.analytes.analyte.3.analyte_type:

repli-g (qiagen) dna	repli-g x (qiagen) dna	rna
	25	6
	NA's	4
	485	

patient.samples.sample.3.portions.portion.analytes.analyte.3.analyte_type_id:

r	w	x	NA's
4	25	6	485

patient.samples.sample.3.portions.portion.analytes.analyte.3.concentration:

0.14	0.15	0.5	NA's
2	2	31	485

patient.samples.sample.3.portions.portion.analytes.analyte.3.dna.normal_tumor_ge

yes NA's
31 489

patient.samples.sample.3.portions.portion.analytes.analyte.3.dna.pcr_amplification
no NA's
31 489

patient.samples.sample.3.portions.portion.analytes.analyte.3.gel_image_file:
https://sharedoc.nchri.org/tcga-bcr/default.aspx
35
NA's
485

patient.samples.sample.3.portions.portion.analytes.analyte.3.is_derived_from_ffp
no NA's
35 485

patient.samples.sample.3.portions.portion.analytes.analyte.3.protocols.protocol.
allprep rna extraction mirvana (allprep dna) rna repli-g
3 1 25
repli-g x NA's
6 485

patient.samples.sample.3.portions.portion.analytes.analyte.3.rna.ratio_28s_18s:
0.98 1.17 1.26 1.33 NA's
1 1 1 1 516

patient.samples.sample.3.portions.portion.analytes.analyte.3.rna.rinvalue:
7.1 7.3 7.9 8.3 NA's
1 1 1 1 516

patient.samples.sample.3.portions.portion.analytes.analyte.3.spectrophotometer_m
picogreen uv spec NA's
23 12 485

patient.samples.sample.3.portions.portion.analytes.analyte.4.aliqots.aliquot.bo
tcga-44-6144-11a-01w-1804-08 tcga-44-6776-11a-01w-1906-08
1 1
tcga-44-6777-11a-01w-1906-08 tcga-44-6778-11a-01w-1906-08
1 1
NA's
516

patient.samples.sample.3.portions.portion.analytes.analyte.4.aliqots.aliquot.bo
3e613163-8424-4e01-9bdb-ab5e5966057d 7e4c3802-1953-4ad8-8ef4-e3c92343b2d1
1 1
88d43546-6e08-48a5-87eb-fac7c1e2fb4c b7b23920-f849-47cc-a08c-2003c85e4dbf
1 1
NA's
516

patient.samples.sample.3.portions.portion.analytes.analyte.4.aliqots.aliquot.bi

107042109	1053936754	1053936765	1053936825	NA's
1	1	1	1	516

patient.samples.sample.3.portions.portion.analytes.analyte.4.aliquots.aliquot.ce
8 NA's
4 516

patient.samples.sample.3.portions.portion.analytes.analyte.4.aliquots.aliquot.co
0.5 NA's
4 516

patient.samples.sample.3.portions.portion.analytes.analyte.4.aliquots.aliquot.da
8 25 NA's
1 3 516

patient.samples.sample.3.portions.portion.analytes.analyte.4.aliquots.aliquot.is
no NA's
4 516

patient.samples.sample.3.portions.portion.analytes.analyte.4.aliquots.aliquot.mo
6 7 NA's
1 3 516

patient.samples.sample.3.portions.portion.analytes.analyte.4.aliquots.aliquot.pl
6 7 NA's
1 3 516

patient.samples.sample.3.portions.portion.analytes.analyte.4.aliquots.aliquot.pl
1804 1906 NA's
1 3 516

patient.samples.sample.3.portions.portion.analytes.analyte.4.aliquots.aliquot.pl
a b d g NA's
1 1 1 1 516

patient.samples.sample.3.portions.portion.analytes.analyte.4.aliquots.aliquot.qu
40 NA's
4 516

patient.samples.sample.3.portions.portion.analytes.analyte.4.aliquots.aliquot.so
22 NA's
4 516

patient.samples.sample.3.portions.portion.analytes.analyte.4.aliquots.aliquot.vo
80 NA's
4 516

patient.samples.sample.3.portions.portion.analytes.analyte.4.aliquots.aliquot.ye
2011 NA's
4 516

patient.samples.sample.3.portions.portion.analytes.analyte.4.amount:

162 204 209 210 NA's
 1 1 1 1 516

patient.samples.sample.3.portions.portion.analytes.analyte.4.analyte_type:
 repli-g (qiagen) dna NA's
 4 516

patient.samples.sample.3.portions.portion.analytes.analyte.4.analyte_type_id:
 w NA's
 4 516

patient.samples.sample.3.portions.portion.analytes.analyte.4.bcr_analyte_barcode:
 tcga-44-6144-11a-01w tcga-44-6776-11a-01w tcga-44-6777-11a-01w
 1 1 1
 tcga-44-6778-11a-01w NA's
 1 516

patient.samples.sample.3.portions.portion.analytes.analyte.4.bcr_analyte_uuid:
 16157001-4dfd-4248-ac7f-8d4244a930c8 1d5cdecc-5937-4ace-9df1-bcb309477e9f
 1 1
 6caeb7a7-e60c-4967-87d9-c4bfd6ede125 a8fe0446-3b6a-4f8b-a75c-25b18a56d313
 1 1
 NA's
 516

patient.samples.sample.3.portions.portion.analytes.analyte.4.concentration:
 0.5 NA's
 4 516

patient.samples.sample.3.portions.portion.analytes.analyte.4.dna.normal_tumor_ge
 yes NA's
 4 516

patient.samples.sample.3.portions.portion.analytes.analyte.4.dna.pcr_amplificati
 no NA's
 4 516

patient.samples.sample.3.portions.portion.analytes.analyte.4.gel_image_file:
<https://sharedoc.nchri.org/tcga-bcr/default.aspx>
 4
 NA's
 516

patient.samples.sample.3.portions.portion.analytes.analyte.4.is_derived_from_ffp
 no NA's
 4 516

patient.samples.sample.3.portions.portion.analytes.analyte.4.protocols.protocol.
 repli-g NA's
 4 516

patient.samples.sample.3.portions.portion.analytes.analyte.4.spectrophotometer_m

picogreen uv spec NA's
3 1 516

patient.samples.sample.3.portions.portion.analytes.analyte.a260_a280_ratio:
1.8 1.9 2 NA's
1 32 2 485

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.2.ad
fppp NA's
2 518

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.2.ad
tcga NA's
2 518

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.2.bo
ffpe validation NA's
2 518

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.2.bi
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
9.753e+07 1.210e+08 1.252e+08 5.458e+08 1.062e+09 1.076e+09 405

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.2.ce
1 5 8 NA's
28 1 86 405

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.2.co
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
0.05 0.05 0.05 0.08 0.14 0.17 405

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.2.da
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
1.00 10.00 18.00 18.15 28.00 30.00 405

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.2.is
no NA's
115 405

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.2.mo
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
2.000 4.000 5.000 5.791 9.000 12.000 405

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.2.pl
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
2.000 4.000 5.000 5.391 6.000 10.000 405

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.2.qu

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0.930	1.070	3.000	2.437	3.000	3.740	405

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.2.so
 22 23 NA's
 113 2 405

Min.	1st Qu.	Median	NA's
6.67	6.7	26.7	60
26	7	1	81

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.2.vo

2010	2011	2012	2013	NA's
7	43	63	2	405

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.2.ye

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
9.753e+07	1.161e+08	1.678e+08	4.550e+08	1.050e+09	1.076e+09	465

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.3.bi

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1.000	8.000	8.000	8.164	10.000	10.000	465

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.3.ce

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0.0500	0.0500	0.0700	0.0896	0.1400	0.1700	465

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.3.co

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
3.00	14.00	22.00	20.15	28.00	30.00	465

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.3.da

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.3.is
 no NA's
 55 465

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
2.000	4.000	4.000	4.218	5.000	8.000	465

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.3.mo

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1.0	4.0	6.0	6.4	9.0	12.0	465

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.3.pl

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0.900	1.960	2.240	2.459	3.000	4.270	465

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.3.qu

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.3.so

22 23 NA's
34 21 465

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.3.vo
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
6.67 26.70 28.00 33.14 40.00 60.00 465

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.3.ye
2010 2011 2012 2015 NA's
6 26 2 21 465

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.4.ad
fppp NA's
6 514

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.4.ad
tcga NA's
6 514

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.4.bo
ffpe validation NA's
6 514

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.4.bi
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
9.753e+07 1.070e+08 1.322e+08 5.685e+08 1.050e+09 1.076e+09 489

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.4.ce
1 5 8 9 NA's
2 10 17 2 489

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.4.co
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
0.0500 0.0500 0.0800 0.0961 0.1400 0.1700 489

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.4.da
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
3.00 14.00 14.00 16.71 21.50 30.00 489

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.4.is
no NA's
31 489

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.4.mo
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
1.000 2.000 3.000 3.871 6.000 8.000 489

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.4.pl
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
1.000 3.500 5.000 4.968 6.500 8.000 489

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.4.qu
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 0.940 1.730 2.000 1.983 2.000 3.740 489

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.4.so
 22 23 NA's
 25 6 489

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.4.vo
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 6.70 13.30 20.00 25.26 40.00 40.00 489

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.4.ye
 2010 2011 2012 2013 NA's
 3 21 1 6 489

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.5.ad
 fppp NA's
 7 513

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.5.ad
 tcga NA's
 7 513

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.5.bo
 ffpe validation NA's
 7 513

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.5.bi
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 1.136e+08 1.322e+08 1.050e+09 6.145e+08 1.050e+09 1.076e+09 497

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.5.ce
 1 8 9 10 NA's
 9 3 9 2 497

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.5.co
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 0.0500 0.0500 0.0800 0.0996 0.1550 0.1700 497

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.5.da
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 11.0 14.0 14.0 16.3 14.0 29.0 497

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.5.is
 no NA's
 23 497

```

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.5.mo
  Min. 1st Qu.  Median      Mean 3rd Qu.    Max.    NA's
  2.000  2.000  3.000  3.609  4.000  8.000  497

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.5.pl
  Min. 1st Qu.  Median      Mean 3rd Qu.    Max.    NA's
  2.000  4.500  7.000  6.391  8.000  9.000  497

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.5.qu
  Min. 1st Qu.  Median      Mean 3rd Qu.    Max.    NA's
  0.930  1.070  1.600  1.562  2.000  2.240  497

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.5.sc
  22  23 NA's
  14  9  497

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.5.vo
  Min. 1st Qu.  Median      Mean 3rd Qu.    Max.    NA's
  6.67  6.70  28.00  23.23  40.00  40.00  497

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.5.ye
2011 2012 2013 2015 NA's
  11   3   7   2  497

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.6.ad
fppp NA's
  3  517

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.6.ad
tcga NA's
  3  517

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.6.bo
ffpe validation      NA's
              3      517

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.6.bi
  Min.  1st Qu.  Median      Mean  3rd Qu.    Max.    NA's
1.252e+08 1.322e+08 1.322e+08 3.843e+08 6.109e+08 1.076e+09  505

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.6.ce
  1   5   8  10 NA's
  5   1   8   1 505

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.6.co
  Min. 1st Qu.  Median      Mean 3rd Qu.    Max.    NA's
  0.07  0.08  0.08  0.11  0.15  0.17  505

```

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.6.da
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 3.0 7.0 14.0 14.6 24.0 29.0 505

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.6.is
 no NA's
 15 505

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.6.mo
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 3.000 5.000 7.000 6.267 8.000 8.000 505

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.6.pl
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 1.0 2.0 4.0 3.8 4.5 7.0 505

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.6.qu
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 1.000 1.070 1.600 1.681 1.600 6.000 505

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.6.so
 22 23 NA's
 5 10 505

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.6.vo
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 6.67 7.35 20.00 16.63 20.00 40.00 505

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.6.ye
 2011 2012 2013 2015 NA's
 3 2 5 5 505

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.7.ad
 fppp NA's
 3 517

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.7.ad
 tcga NA's
 3 517

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.7.bo
 ffpe validation NA's
 3 517

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.7.bi
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 128925347 132159110 132160313 137566204 132174526 167813281 514

```

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.7.ce
  1   8  10 NA's
  2   3   1 514

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.7.co
0.08 0.09 0.15 0.16 NA's
  3   1   1   1 514

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.7.da
  3  14  22 NA's
  2   3   1 514

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.7.is
no NA's
  6 514

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.7.mo
  3   4   8 NA's
  3   1   2 514

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.7.pl
  1   2   7   8 NA's
  1   2   2   1 514

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.7.pl
a271 a273 a46h a46w NA's
  1   2   1   2 514

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.7.qu
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.    NA's
 1.010  1.202   1.600   1.553  1.750   2.240    514

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.7.sc
23 NA's
  6 514

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.7.vo
  6.7  20  28 NA's
  2   3   1 514

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.7.ye
2013 2015 NA's
  3   3 514

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.8.ad
fppp NA's
  1 519

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.8.ad
tcga NA's

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1      1      1      517

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.8.qu
1.14  1.6  2.24 NA's
1      1      1      517

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.8.so
23 NA's
3      517

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.8.vo
6.7   20   28 NA's
1      1      1      517

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.8.ye
2013 2015 NA's
1      2      517

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.9.bo
tcga-44-4112-10a-01d-a46w-08 NA's
1      519

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.9.bo
0a4ed026-3387-438e-8d61-82da7f187a84 NA's
1      519

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.9.bi
132179159 NA's
1      519

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.9.ce
8 NA's
1      519

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.9.co
0.08 NA's
1      519

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.9.da
3 NA's
1      519

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.9.is
no NA's
1      519

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.9.mo
8 NA's
1      519

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.9.pl
3 NA's

```


1 519

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.9.pl
a46w NA's

1 519

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.9.pl
b NA's

1 519

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.9.qu
1.6 NA's

1 519

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.9.sc
23 NA's

1 519

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.9.vo
20 NA's

1 519

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.9.ye
2015 NA's

1 519

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.addi
fppp NA's

2 518

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.addi
tcga NA's

2 518

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.bcr_
ffpe validation NA's

2 518

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.bios
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
9.649e+07 1.210e+08 1.252e+08 5.392e+08 1.062e+09 1.076e+09 403

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.cent
1 2 8 NA's
86 27 4 403

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.conc
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
0.0700 0.1400 0.1500 0.1447 0.1500 0.1700 403

```

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.day_
  Min. 1st Qu.  Median      Mean 3rd Qu.    Max.    NA's
  1.00  10.00   18.00   17.69  27.00   30.00    403

```

```

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.is_d
  no  yes NA's
 115   2  403

```

```

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.mont
  Min. 1st Qu.  Median      Mean 3rd Qu.    Max.    NA's
  2.000  4.000   5.000   5.761  9.000  12.000    403

```

```

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.plat
  Min. 1st Qu.  Median      Mean 3rd Qu.    Max.    NA's
  2.000  4.000   5.000   5.342  6.000  10.000    403

```

```

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.quant
  Min. 1st Qu.  Median      Mean 3rd Qu.    Max.    NA's
  0.870  0.930   1.000   1.201  1.400  2.130    403

```

```

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.sourc
  22  23 NA's
 113   4  403

```

```

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.volun
  Min. 1st Qu.  Median      Mean 3rd Qu.    Max.    NA's
  6.67   6.67   6.67   8.46  10.00  20.00    403

```

```

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.year
  Min. 1st Qu.  Median      Mean 3rd Qu.    Max.    NA's
  2010   2011   2012   2012   2012   2014    403

```

```

patient.samples.sample.3.portions.portion.analytes.analyte.amount:
  Min. 1st Qu.  Median      Mean 3rd Qu.    Max.    NA's
  4.3  134.0  222.7  236.5  320.3  580.6    403

```

```

patient.samples.sample.3.portions.portion.analytes.analyte.analyte_type:
  dna NA's
 117  403

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```

patient.samples.sample.3.portions.portion.analytes.analyte.analyte_type_id:
  d NA's
 117  403

```

```

patient.samples.sample.3.portions.portion.analytes.analyte.concentration:
  Min. 1st Qu.  Median      Mean 3rd Qu.    Max.    NA's
  0.1300  0.1400  0.1500  0.1473  0.1500  0.1700    403

```

patient.samples.sample.3.portions.portion.analytes.analyte.dna.normal_tumor_genotype
 yes NA's
 117 403

patient.samples.sample.3.portions.portion.analytes.analyte.dna.pcr_amplification
 no yes NA's
 107 10 403

patient.samples.sample.3.portions.portion.analytes.analyte.gel_image_file:
<https://sharedoc.nchri.org/tcga-bcr/default.aspx>
 117
 NA's
 403

patient.samples.sample.3.portions.portion.analytes.analyte.is_derived_from_ffpe:
 no yes NA's
 115 2 403

patient.samples.sample.3.portions.portion.analytes.analyte.protocols.protocol.execution
 adna preparation type allprep ffpe dna
 101 2
 chemical lysis dna extraction NA's
 14 403

patient.samples.sample.3.portions.portion.analytes.analyte.spectrophotometer_method
 picogreen uv spec NA's
 82 35 403

patient.samples.sample.3.portions.portion.day_of_creation:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 1.00 6.00 13.00 12.81 21.00 30.00 403

patient.samples.sample.3.portions.portion.is_ffpe:
 no yes NA's
 115 2 403

patient.samples.sample.3.portions.portion.month_of_creation:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 1.000 3.000 5.000 5.889 10.000 12.000 403

patient.samples.sample.3.portions.portion.portion_number:
 1 NA's
 117 403

patient.samples.sample.3.portions.portion.portion_sequence:
 1 NA's
 1 519

patient.samples.sample.3.portions.portion.slides.slide.2.bcr_slide_barcode:
 tcga-38-4625-11a-01-ts1 tcga-38-4626-11a-01-ts1 tcga-38-4627-11a-01-ts1

```

1 1 1
tcga-44-3919-11a-01-ts1 NA's
1 516

patient.samples.sample.3.portions.portion.slides.slide.2.bcr_slide_uuid:
23f1d37a-1192-45ab-aae3-7404cd5c54df 30a90255-23fa-4666-89d2-e8f491c1fcc9
1 1
8dfd2a41-54ff-44b2-9bb7-881cc4228d7f ec7af6b6-9a36-4f33-b2b2-1fcb7092ae5a
1 1
NA's
516

patient.samples.sample.3.portions.portion.slides.slide.2.image_file_name:
tcga-38-4625-11a-01-ts1.8dfd2a41-54ff-44b2-9bb7-881cc4228d7f.svs
1
tcga-38-4626-11a-01-ts1.ec7af6b6-9a36-4f33-b2b2-1fcb7092ae5a.svs
1
tcga-38-4627-11a-01-ts1.30a90255-23fa-4666-89d2-e8f491c1fcc9.svs
1
tcga-44-3919-11a-01-ts1.23f1d37a-1192-45ab-aae3-7404cd5c54df.svs
1
NA's
516

patient.samples.sample.3.portions.portion.slides.slide.2.is_derived_from_ffpe:
no NA's
4 516

patient.samples.sample.3.portions.portion.slides.slide.2.section_location:
top NA's
4 516

patient.samples.sample.3.portions.portion.slides.slide.is_derived_from_ffpe:
no NA's
101 419

patient.samples.sample.3.portions.portion.slides.slide.percent_lymphocyte_infiltration:
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
1.000 3.000 5.000 7.615 10.000 20.000 507

patient.samples.sample.3.portions.portion.slides.slide.percent_monocyte_infiltration:
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
0.00 15.00 20.00 18.77 30.00 30.00 507

patient.samples.sample.3.portions.portion.slides.slide.percent_necrosis:
0 NA's
1 519

patient.samples.sample.3.portions.portion.slides.slide.percent_neutrophil_infiltration:

```

0 NA's
 9 511

patient.samples.sample.3.portions.portion.slides.slide.percent_normal_cells:
 0 NA's
 1 519

patient.samples.sample.3.portions.portion.slides.slide.percent_stromal_cells:
 10 NA's
 1 519

patient.samples.sample.3.portions.portion.slides.slide.percent_tumor_cells:
 90 NA's
 1 519

patient.samples.sample.3.portions.portion.slides.slide.percent_tumor_nuclei:
 80 NA's
 1 519

patient.samples.sample.3.portions.portion.slides.slide.section_location:
 bottom top NA's
 4 97 419

patient.samples.sample.3.portions.portion.weight:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 1.00 59.00 64.00 63.78 69.00 133.00 420

patient.samples.sample.3.portions.portion.year_of_creation:
 2010 2011 2012 2014 NA's
 18 40 57 2 403

patient.samples.sample.3.sample_type:
 blood derived normal ffpe scrolls solid tissue normal
 14 2 101
 NA's
 403

patient.samples.sample.3.sample_type_id:
 1 10 11 NA's
 2 14 101 403

patient.samples.sample.3.shortest_dimension:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 0.1000 0.3000 0.4000 0.4733 0.6000 1.0000 419

patient.samples.sample.3.vial_number:
 a b d e NA's
 114 1 1 1 403

patient.samples.sample.4.days_to_collection:

72 NA's
1 519

patient.samples.sample.4.initial_weight:
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
400.0 527.5 590.0 613.8 705.0 860.0 512

patient.samples.sample.4.intermediate_dimension:
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
0.6000 0.8000 0.9000 0.8667 1.0000 1.0000 508

patient.samples.sample.4.is_ffpe:
no NA's
14 506

patient.samples.sample.4.longest_dimension:
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
0.800 1.425 1.700 1.667 2.000 2.400 508

patient.samples.sample.4.oct_embedded:
false NA's
1 519

patient.samples.sample.4.portions.portion.2.analytes.analyte.aliquots.aliquot.d
fppp NA's
7 513

patient.samples.sample.4.portions.portion.2.analytes.analyte.aliquots.aliquot.d
tcga NA's
7 513

patient.samples.sample.4.portions.portion.2.analytes.analyte.aliquots.aliquot.bo
heterogeneity NA's
7 513

patient.samples.sample.4.portions.portion.2.analytes.analyte.aliquots.aliquot.bi
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
145631330 145632111 145632677 145632785 145633380 145634503 513

patient.samples.sample.4.portions.portion.2.analytes.analyte.aliquots.aliquot.ce
8 NA's
7 513

patient.samples.sample.4.portions.portion.2.analytes.analyte.aliquots.aliquot.co
0.07 0.08 NA's
2 5 513

patient.samples.sample.4.portions.portion.2.analytes.analyte.aliquots.aliquot.da
25 NA's
7 513

patient.samples.sample.4.portions.portion.2.analytes.analyte.aliquots.aliquot.is
no NA's
7 513

patient.samples.sample.4.portions.portion.2.analytes.analyte.aliquots.aliquot.mo
3 NA's
7 513

patient.samples.sample.4.portions.portion.2.analytes.analyte.aliquots.aliquot.pl
2 4 NA's
6 1 513

patient.samples.sample.4.portions.portion.2.analytes.analyte.aliquots.aliquot.pl
a27t NA's
7 513

patient.samples.sample.4.portions.portion.2.analytes.analyte.aliquots.aliquot.qu
2.8 3.2 NA's
2 5 513

patient.samples.sample.4.portions.portion.2.analytes.analyte.aliquots.aliquot.so
23 NA's
7 513

patient.samples.sample.4.portions.portion.2.analytes.analyte.aliquots.aliquot.vo
40 NA's
7 513

patient.samples.sample.4.portions.portion.2.analytes.analyte.aliquots.aliquot.ye
2013 NA's
7 513

patient.samples.sample.4.portions.portion.2.analytes.analyte.amount:
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
6.74 10.17 26.86 21.08 29.45 34.68 513

patient.samples.sample.4.portions.portion.2.analytes.analyte.analyte_type:
dna NA's
7 513

patient.samples.sample.4.portions.portion.2.analytes.analyte.analyte_type_id:
d NA's
7 513

patient.samples.sample.4.portions.portion.2.analytes.analyte.concentration:
0.14 0.15 0.16 0.17 NA's
1 1 4 1 513

patient.samples.sample.4.portions.portion.2.analytes.analyte.dna.normal_tumor_ge
yes NA's
7 513

patient.samples.sample.4.portions.portion.2.analytes.analyte.dna.pcr_amplificati
yes NA's
7 513

patient.samples.sample.4.portions.portion.2.analytes.analyte.gel_image_file:
<https://sharedoc.nchri.org/tcga-bcr/default.aspx>
7
NA's
513

patient.samples.sample.4.portions.portion.2.analytes.analyte.is_derived_from_ffp
no NA's
7 513

patient.samples.sample.4.portions.portion.2.analytes.analyte.protocols.protocol.
adna preparation type NA's
7 513

patient.samples.sample.4.portions.portion.2.analytes.analyte.spectrophotometer_m
picogreen NA's
7 513

patient.samples.sample.4.portions.portion.2.analytes.analyte.subportion_sequence
1 NA's
7 513

patient.samples.sample.4.portions.portion.2.day_of_creation:
14 25 NA's
6 1 513

patient.samples.sample.4.portions.portion.2.is_ffpe:
no NA's
7 513

patient.samples.sample.4.portions.portion.2.month_of_creation:
2 NA's
7 513

patient.samples.sample.4.portions.portion.2.portion_number:
21 31 NA's
6 1 513

patient.samples.sample.4.portions.portion.2.portion_sequence:
2 3 NA's
6 1 513


```
patient.samples.sample.4.portions.portion.2.slides.slide.is_derived_from_ffpe:
  no NA's
  7 513

patient.samples.sample.4.portions.portion.2.slides.slide.percent_lymphocyte_infi
  1 2 5 20 NA's
  1 4 1 1 513

patient.samples.sample.4.portions.portion.2.slides.slide.percent_monocyte_infilt
  2 5 7 20 NA's
  3 2 1 1 513

patient.samples.sample.4.portions.portion.2.slides.slide.percent_necrosis:
  0 NA's
  7 513

patient.samples.sample.4.portions.portion.2.slides.slide.percent_neutrophil_infi
  0 40 NA's
  6 1 513

patient.samples.sample.4.portions.portion.2.slides.slide.percent_normal_cells:
  100 NA's
  7 513

patient.samples.sample.4.portions.portion.2.slides.slide.percent_stromal_cells:
  0 NA's
  7 513

patient.samples.sample.4.portions.portion.2.slides.slide.percent_tumor_cells:
  0 NA's
  7 513

patient.samples.sample.4.portions.portion.2.slides.slide.percent_tumor_nuclei:
  0 NA's
  7 513

patient.samples.sample.4.portions.portion.2.slides.slide.section_location:
  top NA's
  7 513

patient.samples.sample.4.portions.portion.2.weight:
  30 NA's
  7 513

patient.samples.sample.4.portions.portion.2.year_of_creation:
  2013 NA's
  7 513

patient.samples.sample.4.portions.portion.3.analytes.analyte.aliquots.aliquot.ad
```

fppp NA's
6 514

patient.samples.sample.4.portions.portion.3.analytes.analyte.aliquots.aliquot.ad
tcga NA's
6 514

patient.samples.sample.4.portions.portion.3.analytes.analyte.aliquots.aliquot.bo
heterogeneity NA's
6 514

patient.samples.sample.4.portions.portion.3.analytes.analyte.aliquots.aliquot.bi
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
145632540 145643766 145671476 145659635 145673291 145673892 514

patient.samples.sample.4.portions.portion.3.analytes.analyte.aliquots.aliquot.ce
8 NA's
6 514

patient.samples.sample.4.portions.portion.3.analytes.analyte.aliquots.aliquot.co
0.07 0.08 NA's
2 4 514

patient.samples.sample.4.portions.portion.3.analytes.analyte.aliquots.aliquot.da
25 NA's
6 514

patient.samples.sample.4.portions.portion.3.analytes.analyte.aliquots.aliquot.is
no NA's
6 514

patient.samples.sample.4.portions.portion.3.analytes.analyte.aliquots.aliquot.mo
3 NA's
6 514

patient.samples.sample.4.portions.portion.3.analytes.analyte.aliquots.aliquot.pl
4 NA's
6 514

patient.samples.sample.4.portions.portion.3.analytes.analyte.aliquots.aliquot.pl
a27t NA's
6 514

patient.samples.sample.4.portions.portion.3.analytes.analyte.aliquots.aliquot.qu
2.8 3.2 NA's
2 4 514

patient.samples.sample.4.portions.portion.3.analytes.analyte.aliquots.aliquot.so
23 NA's

6 514

patient.samples.sample.4.portions.portion.3.analytes.analyte.aliquots.aliquot.volume
40 NA's

6 514

patient.samples.sample.4.portions.portion.3.analytes.analyte.aliquots.aliquot.years
2013 NA's

6 514

patient.samples.sample.4.portions.portion.3.analytes.analyte.amount:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
5.21	10.52	20.47	18.49	26.91	28.51	514

patient.samples.sample.4.portions.portion.3.analytes.analyte.analyte_type:

dna NA's

6 514

patient.samples.sample.4.portions.portion.3.analytes.analyte.analyte_type_id:

d NA's

6 514

patient.samples.sample.4.portions.portion.3.analytes.analyte.concentration:

0.14	0.15	0.16	0.17	NA's
2	1	2	1	514

patient.samples.sample.4.portions.portion.3.analytes.analyte.dna.normal_tumor_growth:

yes NA's

6 514

patient.samples.sample.4.portions.portion.3.analytes.analyte.dna.pcr_amplification:

yes NA's

6 514

patient.samples.sample.4.portions.portion.3.analytes.analyte.gel_image_file:

<https://sharedoc.nchri.org/tcga-bcr/default.aspx>

6

NA's

514

patient.samples.sample.4.portions.portion.3.analytes.analyte.is_derived_from_ffp:

no NA's

6 514

patient.samples.sample.4.portions.portion.3.analytes.analyte.protocols.protocol:

adna preparation type NA's

6

514

patient.samples.sample.4.portions.portion.3.analytes.analyte.spectrophotometer_measurement:

picogreen NA's

6 514

patient.samples.sample.4.portions.portion.3.analytes.analyte.subportion_sequence

1 NA's

6 514

patient.samples.sample.4.portions.portion.3.day_of_creation:

25 26 NA's

5 1 514

patient.samples.sample.4.portions.portion.3.is_ffpe:

no NA's

6 514

patient.samples.sample.4.portions.portion.3.month_of_creation:

2 NA's

6 514

patient.samples.sample.4.portions.portion.3.portion_number:

31 51 NA's

5 1 514

patient.samples.sample.4.portions.portion.3.portion_sequence:

3 5 NA's

5 1 514

patient.samples.sample.4.portions.portion.3.slides.slide.is_derived_from_ffpe:

no NA's

6 514

patient.samples.sample.4.portions.portion.3.slides.slide.percent_lymphocyte_infi

5 20 40 NA's

1 4 1 514

patient.samples.sample.4.portions.portion.3.slides.slide.percent_monocyte_infilt

10 20 NA's

1 5 514

patient.samples.sample.4.portions.portion.3.slides.slide.percent_necrosis:

0 NA's

6 514

patient.samples.sample.4.portions.portion.3.slides.slide.percent_neutrophil_infi

1 20 40 NA's

1 1 4 514

patient.samples.sample.4.portions.portion.3.slides.slide.percent_normal_cells:

```

100 NA's
  6  514

patient.samples.sample.4.portions.portion.3.slides.slide.percent_stromal_cells:
  0 NA's
  6  514

patient.samples.sample.4.portions.portion.3.slides.slide.percent_tumor_cells:
  0 NA's
  6  514

patient.samples.sample.4.portions.portion.3.slides.slide.percent_tumor_nuclei:
  0 NA's
  6  514

patient.samples.sample.4.portions.portion.3.slides.slide.section_location:
top NA's
  6  514

patient.samples.sample.4.portions.portion.3.weight:
 30 NA's
  6  514

patient.samples.sample.4.portions.portion.3.year_of_creation:
2013 NA's
  6  514

patient.samples.sample.4.portions.portion.analytes.analyte.2.a260_a280_ratio:
 1.7  1.8 NA's
  2   4  514

patient.samples.sample.4.portions.portion.analytes.analyte.2.aliquots.aliquot.2.
  Min.  1st Qu.  Median  Mean  3rd Qu.  Max.  NA's
9.889e+07 9.889e+07 5.764e+08 5.764e+08 1.054e+09 1.054e+09 514

patient.samples.sample.4.portions.portion.analytes.analyte.2.aliquots.aliquot.2.
  7   9 NA's
  3   3  514

patient.samples.sample.4.portions.portion.analytes.analyte.2.aliquots.aliquot.2.
 0.14 0.15 0.16  0.5 NA's
  1   1   1   3  514

patient.samples.sample.4.portions.portion.analytes.analyte.2.aliquots.aliquot.2.
 11  29 NA's
  3   3  514

patient.samples.sample.4.portions.portion.analytes.analyte.2.aliquots.aliquot.2.
no NA's
  6  514

```

patient.samples.sample.4.portions.portion.analytes.analyte.2.aliquots.aliquot.2.
 5 6 NA's
 3 3 514

patient.samples.sample.4.portions.portion.analytes.analyte.2.aliquots.aliquot.2.
 1 2 5 NA's
 1 2 3 514

patient.samples.sample.4.portions.portion.analytes.analyte.2.aliquots.aliquot.2.
 1069 1070 1758 NA's
 2 1 3 514

patient.samples.sample.4.portions.portion.analytes.analyte.2.aliquots.aliquot.2.
 1.47 2 2.13 40 NA's
 1 1 1 3 514

patient.samples.sample.4.portions.portion.analytes.analyte.2.aliquots.aliquot.2.
 22 NA's
 6 514

patient.samples.sample.4.portions.portion.analytes.analyte.2.aliquots.aliquot.2.
 10.5 13.3 80 NA's
 1 2 3 514

patient.samples.sample.4.portions.portion.analytes.analyte.2.aliquots.aliquot.2.
 2010 2011 NA's
 3 3 514

patient.samples.sample.4.portions.portion.analytes.analyte.2.aliquots.aliquot.bi

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
9.889e+07	1.050e+08	1.054e+09	6.612e+08	1.054e+09	1.062e+09	508

patient.samples.sample.4.portions.portion.analytes.analyte.2.aliquots.aliquot.ce
 7 8 13 NA's
 3 6 3 508

patient.samples.sample.4.portions.portion.analytes.analyte.2.aliquots.aliquot.co
 0.14 0.15 0.16 0.5 NA's
 2 2 2 6 508

patient.samples.sample.4.portions.portion.analytes.analyte.2.aliquots.aliquot.da

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
11.00	12.50	28.00	22.75	29.00	30.00	508

patient.samples.sample.4.portions.portion.analytes.analyte.2.aliquots.aliquot.is
 no NA's
 12 508

patient.samples.sample.4.portions.portion.analytes.analyte.2.aliquots.aliquot.mo
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 2.00 5.00 6.00 5.25 6.00 7.00 508

patient.samples.sample.4.portions.portion.analytes.analyte.2.aliquots.aliquot.pl
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 1.000 3.500 5.000 5.333 6.750 11.000 508

patient.samples.sample.4.portions.portion.analytes.analyte.2.aliquots.aliquot.qu
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 1.86 2.88 22.14 21.40 40.00 40.00 508

patient.samples.sample.4.portions.portion.analytes.analyte.2.aliquots.aliquot.sc
 22 23 NA's
 11 1 508

patient.samples.sample.4.portions.portion.analytes.analyte.2.aliquots.aliquot.vo
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 13.30 19.50 53.35 49.27 80.00 80.00 508

patient.samples.sample.4.portions.portion.analytes.analyte.2.aliquots.aliquot.ye
 2010 2011 2012 2013 NA's
 3 7 1 1 508

patient.samples.sample.4.portions.portion.analytes.analyte.2.amount:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 0.00 9.00 47.20 63.51 80.00 205.00 509

patient.samples.sample.4.portions.portion.analytes.analyte.2.analyte_type:
 repli-g (qiagen) dna repli-g x (qiagen) dna rna
 5 1 6
 NA's
 508

patient.samples.sample.4.portions.portion.analytes.analyte.2.analyte_type_id:
 r w x NA's
 6 5 1 508

patient.samples.sample.4.portions.portion.analytes.analyte.2.concentration:
 0.14 0.15 0.16 0.5 NA's
 2 2 2 5 509

patient.samples.sample.4.portions.portion.analytes.analyte.2.dna.normal_tumor_ge
 yes NA's
 6 514

patient.samples.sample.4.portions.portion.analytes.analyte.2.dna.pcr_amplificati
 no yes NA's

5 1 514

patient.samples.sample.4.portions.portion.analytes.analyte.2.gel_image_file:
<https://sharedoc.nchri.org/tcga-bcr/default.aspx>
 12
 NA's
 508

patient.samples.sample.4.portions.portion.analytes.analyte.2.is_derived_from_ffp
 no NA's
 12 508

patient.samples.sample.4.portions.portion.analytes.analyte.2.protocols.protocol.
 allprep rna extraction repli-g repli-g x
 6 5 1
 NA's
 508

patient.samples.sample.4.portions.portion.analytes.analyte.2.rna.ratio_28s_18s:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 1.120 1.407 1.665 1.580 1.810 1.850 514

patient.samples.sample.4.portions.portion.analytes.analyte.2.rna.rinvalue:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 7.600 7.725 7.950 7.983 8.250 8.400 514

patient.samples.sample.4.portions.portion.analytes.analyte.2.spectrophotometer_m
 picogreen uv spec NA's
 2 9 509

patient.samples.sample.4.portions.portion.analytes.analyte.3.aliquots.aliquot.2.
 tcga-44-3918-11a-01x-1070-09 tcga-44-4112-11a-01x-1070-09
 1 1
 NA's
 518

patient.samples.sample.4.portions.portion.analytes.analyte.3.aliquots.aliquot.2.
 50fd623e-58be-49d7-9447-4f4935d95acd c55da949-9871-4f36-b7d2-dc8cc7a38f2b
 1 1
 NA's
 518

patient.samples.sample.4.portions.portion.analytes.analyte.3.aliquots.aliquot.2.
 98888323 98888347 NA's
 1 1 518

patient.samples.sample.4.portions.portion.analytes.analyte.3.aliquots.aliquot.2.
 9 NA's
 2 518

patient.samples.sample.4.portions.portion.analytes.analyte.3.aliquots.aliquot.2.
 0.5 NA's


```

2 518

patient.samples.sample.4.portions.portion.analytes.analyte.3.aliquots.aliquot.2.
29 NA's
2 518

patient.samples.sample.4.portions.portion.analytes.analyte.3.aliquots.aliquot.2.
no NA's
2 518

patient.samples.sample.4.portions.portion.analytes.analyte.3.aliquots.aliquot.2.
6 NA's
2 518

patient.samples.sample.4.portions.portion.analytes.analyte.3.aliquots.aliquot.2.
5 NA's
2 518

patient.samples.sample.4.portions.portion.analytes.analyte.3.aliquots.aliquot.2.
1070 NA's
2 518

patient.samples.sample.4.portions.portion.analytes.analyte.3.aliquots.aliquot.2.
d f NA's
1 1 518

patient.samples.sample.4.portions.portion.analytes.analyte.3.aliquots.aliquot.2.
40 NA's
2 518

patient.samples.sample.4.portions.portion.analytes.analyte.3.aliquots.aliquot.2.
22 NA's
2 518

patient.samples.sample.4.portions.portion.analytes.analyte.3.aliquots.aliquot.2.
80 NA's
2 518

patient.samples.sample.4.portions.portion.analytes.analyte.3.aliquots.aliquot.2.
2010 NA's
2 518

patient.samples.sample.4.portions.portion.analytes.analyte.3.aliquots.aliquot.bi
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
98891107 98891131 107042072 104110512 107042085 108686165 515

patient.samples.sample.4.portions.portion.analytes.analyte.3.aliquots.aliquot.ce
8 NA's
5 515

```

```

patient.samples.sample.4.portions.portion.analytes.analyte.3.aliquots.aliquot.co
0.5 NA's
5 515

patient.samples.sample.4.portions.portion.analytes.analyte.3.aliquots.aliquot.da
8 27 29 NA's
2 1 2 515

patient.samples.sample.4.portions.portion.analytes.analyte.3.aliquots.aliquot.is
no NA's
5 515

patient.samples.sample.4.portions.portion.analytes.analyte.3.aliquots.aliquot.mo
4 6 NA's
1 4 515

patient.samples.sample.4.portions.portion.analytes.analyte.3.aliquots.aliquot.pl
5 6 7 NA's
2 1 2 515

patient.samples.sample.4.portions.portion.analytes.analyte.3.aliquots.aliquot.pl
1068 1711 1804 NA's
2 1 2 515

patient.samples.sample.4.portions.portion.analytes.analyte.3.aliquots.aliquot.pl
d f g NA's
2 2 1 515

patient.samples.sample.4.portions.portion.analytes.analyte.3.aliquots.aliquot.qu
40 NA's
5 515

patient.samples.sample.4.portions.portion.analytes.analyte.3.aliquots.aliquot.sc
22 NA's
5 515

patient.samples.sample.4.portions.portion.analytes.analyte.3.aliquots.aliquot.vo
80 NA's
5 515

patient.samples.sample.4.portions.portion.analytes.analyte.3.aliquots.aliquot.ye
2010 2011 NA's
2 3 515

patient.samples.sample.4.portions.portion.analytes.analyte.3.amount:
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
46.0 60.0 178.0 147.2 215.0 237.0 515

patient.samples.sample.4.portions.portion.analytes.analyte.3.analyte_type:
repli-g (qiagen) dna repli-g x (qiagen) dna NA's
3 2 515

```

patient.samples.sample.4.portions.portion.analytes.analyte.3.analyte_type_id:
w x NA's
3 2 515

patient.samples.sample.4.portions.portion.analytes.analyte.3.concentration:
0.5 NA's
5 515

patient.samples.sample.4.portions.portion.analytes.analyte.3.dna.normal_tumor_ge
yes NA's
5 515

patient.samples.sample.4.portions.portion.analytes.analyte.3.dna.pcr_amplificati
no NA's
5 515

patient.samples.sample.4.portions.portion.analytes.analyte.3.gel_image_file:
<https://sharedoc.nchri.org/tcga-bcr/default.aspx>
5
NA's
515

patient.samples.sample.4.portions.portion.analytes.analyte.3.is_derived_from_ffp
no NA's
5 515

patient.samples.sample.4.portions.portion.analytes.analyte.3.protocols.protocol.
repli-g repli-g x NA's
3 2 515

patient.samples.sample.4.portions.portion.analytes.analyte.3.spectrophotometer_m
uv spec NA's
5 515

patient.samples.sample.4.portions.portion.analytes.analyte.a260_a280_ratio:
1.9 NA's
10 510

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.2.bi
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
9.889e+07 1.070e+08 1.050e+09 6.173e+08 1.050e+09 1.054e+09 507

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.2.ce
1 5 8 9 NA's
8 2 2 1 507

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.2.co
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's

```

0.0500 0.1400 0.1600 0.1685 0.1700 0.5000 507

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.2.da
  Min. 1st Qu.  Median      Mean 3rd Qu.   Max.   NA's
  5.00  14.00  14.00   17.08  23.00  30.00  507

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.2.is
no NA's
13 507

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.2.mo
  Min. 1st Qu.  Median      Mean 3rd Qu.   Max.   NA's
  2.000  2.000  5.000  4.923  6.000 12.000  507

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.2.pl
  Min. 1st Qu.  Median      Mean 3rd Qu.   Max.   NA's
  2.000  5.000  6.000  6.231  9.000 11.000  507

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.2.qu
  Min. 1st Qu.  Median      Mean 3rd Qu.   Max.   NA's
  0.870  1.000  1.070  4.878  3.200 40.000  507

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.2.so
22 23 NA's
12 1 507

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.2.vo
  Min. 1st Qu.  Median      Mean 3rd Qu.   Max.   NA's
  6.67  6.67  6.67  22.06  26.70  80.00  507

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.2.ye
2010 2011 2012 NA's
3 8 2 507

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.3.bi
  Min. 1st Qu.  Median      Mean 3rd Qu.   Max.   NA's
9.888e+07 3.428e+08 1.050e+09 7.665e+08 1.052e+09 1.054e+09 510

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.3.ce
5 8 NA's
4 6 510

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.3.co
0.05 0.15 0.16 0.17 NA's
4 2 1 3 510

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.3.da
11 14 29 30 NA's

```

2 6 1 1 510

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.3.is
no NA's
10 510

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.3.mo
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
2.00 2.00 4.00 4.10 5.75 7.00 510

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.3.pl
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
3.00 5.00 6.00 6.30 8.75 9.00 510

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.3.pl
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
1105 1551 1551 1540 1721 1855 510

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.3.qu
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
1.700 2.250 3.000 3.123 4.010 4.540 510

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.3.so
22 NA's
10 510

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.3.vo
10 26.7 40 60 NA's
2 4 1 3 510

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.3.ye
2010 2011 NA's
2 8 510

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.4.bi
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
9.885e+07 3.428e+08 1.050e+09 7.665e+08 1.052e+09 1.054e+09 510

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.4.ce
5 8 9 NA's
4 4 2 510

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.4.co
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
0.050 0.050 0.135 0.113 0.160 0.170 510

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.4.da
11 14 29 30 NA's
2 6 1 1 510

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.4.is
 no NA's
 10 510

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.4.mo
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 2.00 2.00 4.00 4.10 5.75 7.00 510

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.4.pl
 3 4 5 6 NA's
 2 5 1 2 510

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.4.pl
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 1106 1553 1553 1542 1724 1856 510

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.4.qu
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 1.140 1.895 2.000 1.987 2.098 3.470 510

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.4.so
 22 NA's
 10 510

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.4.vo
 6.7 13.3 26.7 40 NA's
 2 3 1 4 510

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.4.ye
 2010 2011 NA's
 2 8 510

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.5.bi
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 1.050e+09 1.050e+09 1.050e+09 1.051e+09 1.053e+09 1.054e+09 514

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.5.ce
 1 9 NA's
 2 4 514

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.5.co
 0.05 0.17 NA's
 4 2 514

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.5.da
 11 14 NA's
 2 4 514

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.5.is
 no NA's
 6 514

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.5.mo
 2 7 NA's
 4 2 514

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.5.pl
 2 3 8 NA's
 1 1 4 514

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.5.pl
 1555 1877 NA's
 4 2 514

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.5.pl
 a e f g NA's
 2 1 1 2 514

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.5.qu
 1.13 2 NA's
 2 4 514

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.5.so
 22 NA's
 6 514

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.5.vo
 6.67 40 NA's
 2 4 514

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.5.ye
 2011 NA's
 6 514

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.6.bo
 tcga-44-4112-11a-01d-a46h-10 NA's
 1 519

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.6.bo
 8953d8f4-8959-4511-9fd4-975f35c8b99b NA's
 1 519

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.6.bi
 167813349 NA's
 1 519

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.6.ce
 10 NA's
 1 519

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.6.co
0.09 NA's
1 519

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.6.da
22 NA's
1 519

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.6.is
no NA's
1 519

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.6.mo
4 NA's
1 519

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.6.pl
3 NA's
1 519

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.6.pl
a46h NA's
1 519

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.6.pl
c NA's
1 519

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.6.qu
2.52 NA's
1 519

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.6.sc
23 NA's
1 519

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.6.vo
28 NA's
1 519

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.6.ye
2015 NA's
1 519

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.addi
fppp NA's
1 519

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.addi
tcga NA's
1 519

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.bcr_ heterogeneity NA's
 1 519

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.bios
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 9.889e+07 1.123e+08 5.978e+08 5.836e+08 1.050e+09 1.054e+09 506

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.cent
 1 2 8 NA's
 2 10 2 506

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.conc
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 0.0700 0.1500 0.1600 0.1764 0.1700 0.5000 506

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.day_
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 5.00 14.00 14.00 17.64 24.50 30.00 506

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.is_d
 no NA's
 14 506

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.mont
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 2.000 2.250 5.000 4.786 6.000 12.000 506

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.plat
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 2.000 4.250 5.500 6.143 8.750 11.000 506

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.quant
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 1.130 1.798 2.130 4.669 2.260 40.000 506

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.sour
 22 23 NA's
 12 2 506

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.volu
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 6.67 13.30 13.30 18.79 13.30 80.00 506

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.year
 2010 2011 2012 2013 NA's
 3 8 2 1 506

patient.samples.sample.4.portions.portion.analytes.analyte.amount:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
13.32	59.40	83.86	152.42	190.53	555.93	506

patient.samples.sample.4.portions.portion.analytes.analyte.analyte_type:

dna repli-g (qiagen)	dna	NA's
13	1	506

patient.samples.sample.4.portions.portion.analytes.analyte.analyte_type_id:

d	w	NA's
13	1	506

patient.samples.sample.4.portions.portion.analytes.analyte.concentration:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0.1300	0.1500	0.1600	0.1814	0.1700	0.5000	506

patient.samples.sample.4.portions.portion.analytes.analyte.dna.normal_tumor_genom

yes	NA's
14	506

patient.samples.sample.4.portions.portion.analytes.analyte.dna.pcr_amplification

no	yes	NA's
11	3	506

patient.samples.sample.4.portions.portion.analytes.analyte.gel_image_file:

https://sharedoc.nchri.org/tcga-bcr/default.aspx	14	NA's
		506

patient.samples.sample.4.portions.portion.analytes.analyte.is_derived_from_ffpe:

no	NA's
14	506

patient.samples.sample.4.portions.portion.analytes.analyte.protocols.protocol.ex

adna preparation type	chemical lysis	dna extraction	NA's
	12		1
repli-g			NA's
	1		506

patient.samples.sample.4.portions.portion.analytes.analyte.spectrophotometer_met

picogreen	uv spec	NA's
3	11	506

patient.samples.sample.4.portions.portion.analytes.analyte.subportion_sequence:

1	NA's
1	519

patient.samples.sample.4.portions.portion.day_of_creation:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
2.00	10.25	16.00	16.14	21.25	30.00	506

patient.samples.sample.4.portions.portion.is_ffpe:

no NA's
14 506

patient.samples.sample.4.portions.portion.month_of_creation:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1.000	3.000	11.000	7.786	11.750	12.000	506

patient.samples.sample.4.portions.portion.portion_number:

1 21 NA's
13 1 506

patient.samples.sample.4.portions.portion.portion_sequence:

1 2 NA's
4 1 515

patient.samples.sample.4.portions.portion.slides.slide.2.bcr_slide_barcode:

tcga-44-3917-11a-01-ts1	tcga-44-3918-11a-01-ts1	tcga-44-4112-11a-01-ts1
1	1	1
NA's		
517		

patient.samples.sample.4.portions.portion.slides.slide.2.bcr_slide_uuid:

00b8ad90-0c01-4613-8347-7e476263fdfe	573e21b7-6d32-4c24-a09e-97fcbc5f2eaa
1	1
a4fa986d-8039-4994-a1ce-b99403de19b5	NA's
1	517

patient.samples.sample.4.portions.portion.slides.slide.2.image_file_name:

tcga-44-3917-11a-01-ts1.00b8ad90-0c01-4613-8347-7e476263fdfe.svs	1
tcga-44-3918-11a-01-ts1.a4fa986d-8039-4994-a1ce-b99403de19b5.svs	1
tcga-44-4112-11a-01-ts1.573e21b7-6d32-4c24-a09e-97fcbc5f2eaa.svs	1
NA's	
517	

patient.samples.sample.4.portions.portion.slides.slide.2.is_derived_from_ffpe:

no NA's
3 517

patient.samples.sample.4.portions.portion.slides.slide.2.section_location:

top NA's
3 517

```

patient.samples.sample.4.portions.portion.slides.slide.is_derived_from_ffpe:
  no NA's
  12 508

patient.samples.sample.4.portions.portion.slides.slide.percent_lymphocyte_infiltration:
  4 NA's
  1 519

patient.samples.sample.4.portions.portion.slides.slide.percent_monocyte_infiltration:
  10 NA's
  1 519

patient.samples.sample.4.portions.portion.slides.slide.percent_necrosis:
  0 NA's
  1 519

patient.samples.sample.4.portions.portion.slides.slide.percent_neutrophil_infiltration:
  0 NA's
  1 519

patient.samples.sample.4.portions.portion.slides.slide.percent_normal_cells:
  100 NA's
  1 519

patient.samples.sample.4.portions.portion.slides.slide.percent_stromal_cells:
  0 NA's
  1 519

patient.samples.sample.4.portions.portion.slides.slide.percent_tumor_cells:
  0 NA's
  1 519

patient.samples.sample.4.portions.portion.slides.slide.percent_tumor_nuclei:
  0 NA's
  1 519

patient.samples.sample.4.portions.portion.slides.slide.section_location:
  bottom    top    NA's
    3        9    508

patient.samples.sample.4.portions.portion.weight:
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.    NA's
  1.00   2.00   36.00   37.69  67.00   69.00   507

patient.samples.sample.4.portions.portion.year_of_creation:
  2010 2011 2012 2013 NA's
    4    4    5    1  506

patient.samples.sample.4.sample_type:
  blood derived normal  solid tissue normal    NA's
                2                12    506

```

patient.samples.sample.4.sample_type_id:

10	11	NA's
2	12	506

patient.samples.sample.4.shortest_dimension:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0.3000	0.4750	0.7500	0.6833	0.9000	1.0000	508

patient.samples.sample.4.vial_number:

a	NA's
14	506

patient.samples.sample.days_to_collection:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
8.00	98.75	222.50	1073.76	1788.25	6271.00	408

patient.samples.sample.diagnostic_slides.ffpe_slide_uuid.10:

930e7dc2-6073-4bf2-9b70-f17c0b26bdee	NA's
1	519

patient.samples.sample.diagnostic_slides.ffpe_slide_uuid.7:

1f758560-85e2-4cf9-a81a-317536d96bcc	4bdde497-03d9-4e15-a00e-595baa3947b5	1	1
9f722476-622e-4374-9fda-ef35184f01e0	a04b36c3-9cfd-4195-92c0-70046cd49d9a	1	1
	NA's		
	516		

patient.samples.sample.diagnostic_slides.ffpe_slide_uuid.8:

b9fb358a-9618-4956-9544-c2ffe2678095	c54237a3-93f4-432f-90f1-b930b7341741	1	1
	NA's		
	518		

patient.samples.sample.diagnostic_slides.ffpe_slide_uuid.9:

bf1e9d28-3ca2-4a62-bf3e-3e735c6a2885	NA's
1	519

patient.samples.sample.initial_weight:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
10	90	160	195	230	940	400

patient.samples.sample.intermediate_dimension:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0.1000	0.6000	0.7000	0.7667	0.9000	2.0000	115

patient.samples.sample.is_ffpe:

no
520

patient.samples.sample.longest_dimension:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0.100	0.900	1.100	1.183	1.500	3.200	115

patient.samples.sample.oct_embedded:

false	true	NA's
28	84	408

patient.samples.sample.portions.portion.2.analytes.analyte.2.a260_a280_ratio:

1.8 NA's
1 519

patient.samples.sample.portions.portion.2.analytes.analyte.2.aliquots.aliquot.bo

tcga-05-4390-01a-02r-1755-07	NA's
1	519

patient.samples.sample.portions.portion.2.analytes.analyte.2.aliquots.aliquot.bo

6b6d7855-8621-45f8-98c9-5ad5b924b15e	NA's
1	519

patient.samples.sample.portions.portion.2.analytes.analyte.2.aliquots.aliquot.bi

1053958838	NA's
1	519

patient.samples.sample.portions.portion.2.analytes.analyte.2.aliquots.aliquot.ce

7 NA's
1 519

patient.samples.sample.portions.portion.2.analytes.analyte.2.aliquots.aliquot.co

0.13 NA's
1 519

patient.samples.sample.portions.portion.2.analytes.analyte.2.aliquots.aliquot.da

11 NA's
1 519

patient.samples.sample.portions.portion.2.analytes.analyte.2.aliquots.aliquot.is

no NA's
1 519

patient.samples.sample.portions.portion.2.analytes.analyte.2.aliquots.aliquot.mo

5 NA's
1 519

```

patient.samples.sample.portions.portion.2.analytes.analyte.2.aliquots.aliquot.pl
  1 NA's
  1 519

patient.samples.sample.portions.portion.2.analytes.analyte.2.aliquots.aliquot.pl
1755 NA's
  1 519

patient.samples.sample.portions.portion.2.analytes.analyte.2.aliquots.aliquot.pl
  b NA's
  1 519

patient.samples.sample.portions.portion.2.analytes.analyte.2.aliquots.aliquot.qu
1.73 NA's
  1 519

patient.samples.sample.portions.portion.2.analytes.analyte.2.aliquots.aliquot.sc
  22 NA's
  1 519

patient.samples.sample.portions.portion.2.analytes.analyte.2.aliquots.aliquot.vo
13.3 NA's
  1 519

patient.samples.sample.portions.portion.2.analytes.analyte.2.aliquots.aliquot.ye
2011 NA's
  1 519

patient.samples.sample.portions.portion.2.analytes.analyte.2.amount:
213.2 NA's
  1 519

patient.samples.sample.portions.portion.2.analytes.analyte.2.analyte_type:
  rna NA's
  1 519

patient.samples.sample.portions.portion.2.analytes.analyte.2.analyte_type_id:
  r NA's
  1 519

patient.samples.sample.portions.portion.2.analytes.analyte.2.bcr_analyte_barcode
tcga-05-4390-01a-02r NA's
  1 519

patient.samples.sample.portions.portion.2.analytes.analyte.2.bcr_analyte_uuid:
806db4e7-8bd8-4330-a435-15142332571f NA's
  1 519

patient.samples.sample.portions.portion.2.analytes.analyte.2.concentration:
0.13 NA's
  1 519

```

```

patient.samples.sample.portions.portion.2.analytes.analyte.2.gel_image_file:
https://sharedoc.nchri.org/tcga-bcr/default.aspx
1
NA's
519

patient.samples.sample.portions.portion.2.analytes.analyte.2.is_derived_from_ffp
no NA's
1 519

patient.samples.sample.portions.portion.2.analytes.analyte.2.protocols.protocol.
allprep rna extraction NA's
1 519

patient.samples.sample.portions.portion.2.analytes.analyte.2.rna.ratio_28s_18s:
1.44 NA's
1 519

patient.samples.sample.portions.portion.2.analytes.analyte.2.rna.rinvalue:
8.5 NA's
1 519

patient.samples.sample.portions.portion.2.analytes.analyte.2.spectrophotometer_m
uv spec NA's
1 519

patient.samples.sample.portions.portion.2.analytes.analyte.3.aliquots.aliquot.bo
tcga-05-4390-01a-02t-1754-13 NA's
1 519

patient.samples.sample.portions.portion.2.analytes.analyte.3.aliquots.aliquot.bo
7b6a78e4-ba6e-4e12-a12a-49b712229e44 NA's
1 519

patient.samples.sample.portions.portion.2.analytes.analyte.3.aliquots.aliquot.bi
1053958447 NA's
1 519

patient.samples.sample.portions.portion.2.analytes.analyte.3.aliquots.aliquot.ce
13 NA's
1 519

patient.samples.sample.portions.portion.2.analytes.analyte.3.aliquots.aliquot.co
0.1 NA's
1 519

patient.samples.sample.portions.portion.2.analytes.analyte.3.aliquots.aliquot.da
11 NA's
1 519

patient.samples.sample.portions.portion.2.analytes.analyte.3.aliquots.aliquot.is

```



```
no NA's
1 519

patient.samples.sample.portions.portion.2.analytes.analyte.3.aliquots.aliquot.mo
5 NA's
1 519

patient.samples.sample.portions.portion.2.analytes.analyte.3.aliquots.aliquot.pl
1 NA's
1 519

patient.samples.sample.portions.portion.2.analytes.analyte.3.aliquots.aliquot.pl
1754 NA's
1 519

patient.samples.sample.portions.portion.2.analytes.analyte.3.aliquots.aliquot.pl
b NA's
1 519

patient.samples.sample.portions.portion.2.analytes.analyte.3.aliquots.aliquot.qu
3 NA's
1 519

patient.samples.sample.portions.portion.2.analytes.analyte.3.aliquots.aliquot.so
22 NA's
1 519

patient.samples.sample.portions.portion.2.analytes.analyte.3.aliquots.aliquot.vo
30 NA's
1 519

patient.samples.sample.portions.portion.2.analytes.analyte.3.aliquots.aliquot.ye
2011 NA's
1 519

patient.samples.sample.portions.portion.2.analytes.analyte.3.amount:
347.5 NA's
1 519

patient.samples.sample.portions.portion.2.analytes.analyte.3.analyte_type:
total rna NA's
1 519

patient.samples.sample.portions.portion.2.analytes.analyte.3.analyte_type_id:
t NA's
1 519

patient.samples.sample.portions.portion.2.analytes.analyte.3.bcr_analyte_barcode
tcga-05-4390-01a-02t NA's
1 519

patient.samples.sample.portions.portion.2.analytes.analyte.3.bcr_analyte_uuid:
```

031e0734-7c08-4b23-8789-6b4234ca4aa6		NA's
	1	519
patient.samples.sample.portions.portion.2.analytes.analyte.3.concentration:		
0.1	NA's	
1	519	
patient.samples.sample.portions.portion.2.analytes.analyte.3.gel_image_file:		
https://sharedoc.nchri.org/tcga-bcr/default.aspx		
	1	
	NA's	
	519	
patient.samples.sample.portions.portion.2.analytes.analyte.3.is_derived_from_ffp:		
no NA's		
1	519	
patient.samples.sample.portions.portion.2.analytes.analyte.3.protocols.protocol:		
total rna	NA's	
1	519	
patient.samples.sample.portions.portion.2.analytes.analyte.3.rna.ratio_28s_18s:		
1.19	NA's	
1	519	
patient.samples.sample.portions.portion.2.analytes.analyte.3.rna.rinvalue:		
7.1	NA's	
1	519	
patient.samples.sample.portions.portion.2.analytes.analyte.3.spectrophotometer_m:		
uv spec	NA's	
1	519	
patient.samples.sample.portions.portion.2.analytes.analyte.4.aliquots.aliquot.bo:		
tcga-05-4390-01a-02w-1804-08		NA's
	1	519
patient.samples.sample.portions.portion.2.analytes.analyte.4.aliquots.aliquot.bo:		
7a36fec9-89cc-450c-8c14-c6279de5ba7e		NA's
	1	519
patient.samples.sample.portions.portion.2.analytes.analyte.4.aliquots.aliquot.bi:		
107042126		NA's
	1	519
patient.samples.sample.portions.portion.2.analytes.analyte.4.aliquots.aliquot.ce:		
8	NA's	
1	519	
patient.samples.sample.portions.portion.2.analytes.analyte.4.aliquots.aliquot.co:		
0.5	NA's	
1	519	

```
patient.samples.sample.portions.portion.2.analytes.analyte.4.aliquots.aliquot.da
  8 NA's
  1 519

patient.samples.sample.portions.portion.2.analytes.analyte.4.aliquots.aliquot.is
  no NA's
  1 519

patient.samples.sample.portions.portion.2.analytes.analyte.4.aliquots.aliquot.mo
  6 NA's
  1 519

patient.samples.sample.portions.portion.2.analytes.analyte.4.aliquots.aliquot.pl
  1 NA's
  1 519

patient.samples.sample.portions.portion.2.analytes.analyte.4.aliquots.aliquot.pl
1804 NA's
  1 519

patient.samples.sample.portions.portion.2.analytes.analyte.4.aliquots.aliquot.pl
  c NA's
  1 519

patient.samples.sample.portions.portion.2.analytes.analyte.4.aliquots.aliquot.qu
  40 NA's
  1 519

patient.samples.sample.portions.portion.2.analytes.analyte.4.aliquots.aliquot.so
  22 NA's
  1 519

patient.samples.sample.portions.portion.2.analytes.analyte.4.aliquots.aliquot.vo
  80 NA's
  1 519

patient.samples.sample.portions.portion.2.analytes.analyte.4.aliquots.aliquot.ye
2011 NA's
  1 519

patient.samples.sample.portions.portion.2.analytes.analyte.4.amount:
  196 NA's
  1 519

patient.samples.sample.portions.portion.2.analytes.analyte.4.analyte_type:
repli-g (qiagen) dna          NA's
                        1          519

patient.samples.sample.portions.portion.2.analytes.analyte.4.analyte_type_id:
  w NA's
  1 519
```

```

patient.samples.sample.portions.portion.2.analytes.analyte.4.bcr_analyte_barcode:
tcga-05-4390-01a-02w          NA's
      1          519

patient.samples.sample.portions.portion.2.analytes.analyte.4.bcr_analyte_uuid:
494a397f-99aa-45be-be6d-61281130dda9          NA's
      1          519

patient.samples.sample.portions.portion.2.analytes.analyte.4.concentration:
0.5 NA's
      1  519

patient.samples.sample.portions.portion.2.analytes.analyte.4.dna.normal_tumor_ge:
yes NA's
      1  519

patient.samples.sample.portions.portion.2.analytes.analyte.4.dna.pcr_amplificati:
no NA's
      1  519

patient.samples.sample.portions.portion.2.analytes.analyte.4.gel_image_file:
https://sharedoc.nchri.org/tcga-bcr/default.aspx
      1
      NA's
      519

patient.samples.sample.portions.portion.2.analytes.analyte.4.is_derived_from_ffp:
no NA's
      1  519

patient.samples.sample.portions.portion.2.analytes.analyte.4.protocols.protocol:
repli-g      NA's
      1      519

patient.samples.sample.portions.portion.2.analytes.analyte.4.spectrophotometer_m:
uv spec      NA's
      1      519

patient.samples.sample.portions.portion.2.analytes.analyte.a260_a280_ratio:
1.9 NA's
      1  519

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.2.bo:
tcga-05-4390-01a-02d-1752-01          NA's
      1          519

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.2.bo:
1c3f76ca-a0f5-4b4c-8438-7eealc5e161f          NA's
      1          519

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.2.bi

```

1053945527 NA's
 1 519

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.2.ce
1 NA's
1 519

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.2.co
0.14 NA's
1 519

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.2.da
11 NA's
1 519

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.2.is
no NA's
1 519

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.2.mo
5 NA's
1 519

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.2.pl
1 NA's
1 519

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.2.pl
1752 NA's
1 519

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.2.pl
b NA's
1 519

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.2.qu
0.93 NA's
1 519

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.2.so
22 NA's
1 519

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.2.vo
6.67 NA's
1 519

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.2.ye
2011 NA's
1 519

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.3.bo

tcga-05-4390-01a-02d-1753-08		NA's
1		519
patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.3.bo		
d0854b5b-69be-4b84-aa37-ecdd0bc14de9		NA's
1		519
patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.3.bi		
1053958255	NA's	
1	519	
patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.3.ce		
8	NA's	
1	519	
patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.3.co		
0.05	NA's	
1	519	
patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.3.da		
11	NA's	
1	519	
patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.3.is		
no	NA's	
1	519	
patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.3.mo		
5	NA's	
1	519	
patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.3.pl		
1	NA's	
1	519	
patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.3.pl		
1753	NA's	
1	519	
patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.3.pl		
b	NA's	
1	519	
patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.3.qu		
3	NA's	
1	519	
patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.3.so		
22	NA's	
1	519	
patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.3.vo		

60 NA's
1 519

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.3.ye
2011 NA's
1 519

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.4.bo
tcga-05-4390-01a-02d-1756-05 NA's
1 519

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.4.bo
c511fed1-96ca-4c82-bf7d-b73c2b14e48a NA's
1 519

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.4.bi
1053958351 NA's
1 519

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.4.ce
5 NA's
1 519

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.4.co
0.14 NA's
1 519

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.4.da
11 NA's
1 519

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.4.is
no NA's
1 519

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.4.mo
5 NA's
1 519

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.4.pl
1 NA's
1 519

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.4.pl
1756 NA's
1 519

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.4.pl
b NA's
1 519

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.4.qu

1.86 NA's
1 519

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.4.so
22 NA's
1 519

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.4.vo
13.3 NA's
1 519

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.4.ye
2011 NA's
1 519

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.addi
fppp NA's
7 513

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.addi
tcga NA's
7 513

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.bcr_
heterogeneity NA's
7 513

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.bios
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
1.456e+08 1.456e+08 1.457e+08 2.592e+08 1.457e+08 1.054e+09 512

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.cent
2 8 NA's
1 7 512

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.conc
0.07 0.08 0.14 NA's
6 1 1 512

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.day_
11 25 NA's
1 7 512

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.is_d
no NA's
8 512

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.mont
3 5 NA's
7 1 512


```

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.plat
  1 NA's
  8 512

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.plat
1751 a27t NA's
  1 7 512

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.quant
1.86 2.8 3.2 NA's
  1 6 1 512

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.sourc
  22 23 NA's
  1 7 512

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.volum
13.3 40 NA's
  1 7 512

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.year
2011 2013 NA's
  1 7 512

patient.samples.sample.portions.portion.2.analytes.analyte.amount:
  Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
  12.83 18.40 40.87 131.43 46.28 827.40 512

patient.samples.sample.portions.portion.2.analytes.analyte.analyte_type:
  dna NA's
  8 512

patient.samples.sample.portions.portion.2.analytes.analyte.analyte_type_id:
  d NA's
  8 512

patient.samples.sample.portions.portion.2.analytes.analyte.concentration:
  0.14 0.15 0.16 NA's
  5 2 1 512

patient.samples.sample.portions.portion.2.analytes.analyte.dna.normal_tumor_genom
  yes NA's
  8 512

patient.samples.sample.portions.portion.2.analytes.analyte.dna.pcr_amplification
  no yes NA's
  1 7 512

```

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patient.samples.sample.portions.portion.2.analytes.analyte.gel_image_file:
https://sharedoc.nchri.org/tcga-bcr/default.aspx
8
NA's
512

patient.samples.sample.portions.portion.2.analytes.analyte.is_derived_from_ffpe:
no NA's
8 512

patient.samples.sample.portions.portion.2.analytes.analyte.protocols.protocol.ex
adna preparation type NA's
8 512

patient.samples.sample.portions.portion.2.analytes.analyte.spectrophotometer_met
picogreen uv spec NA's
7 1 512

patient.samples.sample.portions.portion.2.analytes.analyte.subportion_sequence:
1 2 NA's
5 2 513

patient.samples.sample.portions.portion.2.day_of_creation:
2 15 30 NA's
1 4 3 512

patient.samples.sample.portions.portion.2.is_ffpe:
no NA's
8 512

patient.samples.sample.portions.portion.2.month_of_creation:
2 7 11 NA's
4 1 3 512

patient.samples.sample.portions.portion.2.portion_number:
2 12 21 22 NA's
1 1 5 1 512

patient.samples.sample.portions.portion.2.portion_sequence:
1 2 NA's
1 6 513

patient.samples.sample.portions.portion.2.slides.slide.2.bcr_slide_barcode:
tcga-05-4390-01a-02-bs2 NA's
1 519

patient.samples.sample.portions.portion.2.slides.slide.2.bcr_slide_uuid:
a85d2b2a-2e47-475f-8c98-318ae02e16c4 NA's
1 519

```

patient.samples.sample.portions.portion.2.slides.slide.2.image_file_name:
 tcga-05-4390-01a-02-bs2.a85d2b2a-2e47-475f-8c98-318ae02e16c4.svs
 1
 NA's
 519

patient.samples.sample.portions.portion.2.slides.slide.2.is_derived_from_ffpe:
 no NA's
 1 519

patient.samples.sample.portions.portion.2.slides.slide.2.percent_lymphocyte_infi
 12 NA's
 1 519

patient.samples.sample.portions.portion.2.slides.slide.2.percent_necrosis:
 10 NA's
 1 519

patient.samples.sample.portions.portion.2.slides.slide.2.percent_normal_cells:
 0 NA's
 1 519

patient.samples.sample.portions.portion.2.slides.slide.2.percent_stromal_cells:
 25 NA's
 1 519

patient.samples.sample.portions.portion.2.slides.slide.2.percent_tumor_cells:
 65 NA's
 1 519

patient.samples.sample.portions.portion.2.slides.slide.2.percent_tumor_nuclei:
 75 NA's
 1 519

patient.samples.sample.portions.portion.2.slides.slide.2.section_location:
 bottom NA's
 1 519

patient.samples.sample.portions.portion.2.slides.slide.is_derived_from_ffpe:
 no NA's
 8 512

patient.samples.sample.portions.portion.2.slides.slide.percent_lymphocyte_infiltr
 1 2 5 10 NA's
 1 1 1 3 514

patient.samples.sample.portions.portion.2.slides.slide.percent_monocyte_infiltra
 0 2 NA's
 2 1 517

patient.samples.sample.portions.portion.2.slides.slide.percent_necrosis:
 0 1 5 10 NA's
 3 2 2 1 512

patient.samples.sample.portions.portion.2.slides.slide.percent_neutrophil_infiltration:
 0 NA's
 3 517

patient.samples.sample.portions.portion.2.slides.slide.percent_normal_cells:
 0 5 29 50 NA's
 5 1 1 1 512

patient.samples.sample.portions.portion.2.slides.slide.percent_stromal_cells:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 0.00 0.00 4.50 11.75 21.25 40.00 512

patient.samples.sample.portions.portion.2.slides.slide.percent_tumor_cells:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 50.00 66.25 70.00 75.00 91.25 100.00 512

patient.samples.sample.portions.portion.2.slides.slide.percent_tumor_nuclei:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 50.00 69.50 74.00 74.25 82.50 90.00 512

patient.samples.sample.portions.portion.2.slides.slide.section_location:
 top NA's
 8 512

patient.samples.sample.portions.portion.2.weight:
 10 30 33 131 NA's
 1 5 1 1 512

patient.samples.sample.portions.portion.2.year_of_creation:
 2010 2012 2013 NA's
 1 3 4 512

patient.samples.sample.portions.portion.3.analytes.analyte.aliquots.aliquot.additional_fppp NA's
 7 513

patient.samples.sample.portions.portion.3.analytes.analyte.aliquots.aliquot.additional_tcga NA's
 7 513

patient.samples.sample.portions.portion.3.analytes.analyte.aliquots.aliquot.bcr_heterogeneity NA's
 7 513

patient.samples.sample.portions.portion.3.analytes.analyte.aliquots.aliquot.biospecimen NA's

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
145631750	145632144	145673860	145655942	145673880	145673939	513

patient.samples.sample.portions.portion.3.analytes.analyte.aliquots.aliquot.cent
 8 NA's
 7 513

patient.samples.sample.portions.portion.3.analytes.analyte.aliquots.aliquot.conc
 0.07 0.08 NA's
 5 2 513

patient.samples.sample.portions.portion.3.analytes.analyte.aliquots.aliquot.day_
 25 NA's
 7 513

patient.samples.sample.portions.portion.3.analytes.analyte.aliquots.aliquot.is_d
 no NA's
 7 513

patient.samples.sample.portions.portion.3.analytes.analyte.aliquots.aliquot.mont
 3 NA's
 7 513

patient.samples.sample.portions.portion.3.analytes.analyte.aliquots.aliquot.plat
 3 NA's
 7 513

patient.samples.sample.portions.portion.3.analytes.analyte.aliquots.aliquot.plat
 a27t NA's
 7 513

patient.samples.sample.portions.portion.3.analytes.analyte.aliquots.aliquot.quan
 2.8 3.2 NA's
 5 2 513

patient.samples.sample.portions.portion.3.analytes.analyte.aliquots.aliquot.sour
 23 NA's
 7 513

patient.samples.sample.portions.portion.3.analytes.analyte.aliquots.aliquot.vol
 40 NA's
 7 513

patient.samples.sample.portions.portion.3.analytes.analyte.aliquots.aliquot.year
 2013 NA's
 7 513

patient.samples.sample.portions.portion.3.analytes.analyte.amount:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
18.46	23.43	34.84	37.41	50.21	61.25	513

```
patient.samples.sample.portions.portion.3.analytes.analyte.analyte_type:
dna NA's
7 513
```

```
patient.samples.sample.portions.portion.3.analytes.analyte.analyte_type_id:
d NA's
7 513
```

```
patient.samples.sample.portions.portion.3.analytes.analyte.concentration:
0.14 0.15 NA's
3 4 513
```

```
patient.samples.sample.portions.portion.3.analytes.analyte.dna.normal_tumor_gene:
yes NA's
7 513
```

```
patient.samples.sample.portions.portion.3.analytes.analyte.dna.pcr_amplification:
yes NA's
7 513
```

```
patient.samples.sample.portions.portion.3.analytes.analyte.gel_image_file:
https://sharedoc.nchri.org/tcga-bcr/default.aspx
7
NA's
513
```

```
patient.samples.sample.portions.portion.3.analytes.analyte.is_derived_from_ffpe:
no NA's
7 513
```

```
patient.samples.sample.portions.portion.3.analytes.analyte.protocols.protocol.ex:
adna preparation type NA's
7 513
```

```
patient.samples.sample.portions.portion.3.analytes.analyte.spectrophotometer_met:
picogreen NA's
7 513
```

```
patient.samples.sample.portions.portion.3.analytes.analyte.subportion_sequence:
1 NA's
7 513
```

```
patient.samples.sample.portions.portion.3.day_of_creation:
6 7 NA's
3 4 513
```

```
patient.samples.sample.portions.portion.3.is_ffpe:
no NA's
```

7 513

patient.samples.sample.portions.portion.3.month_of_creation:

3 NA's

7 513

patient.samples.sample.portions.portion.3.portion_number:

31 41 51 NA's

4 2 1 513

patient.samples.sample.portions.portion.3.portion_sequence:

3 4 5 NA's

4 2 1 513

patient.samples.sample.portions.portion.3.slides.slide.is_derived_from_ffpe:

no NA's

7 513

patient.samples.sample.portions.portion.3.slides.slide.percent_lymphocyte_infiltration:

3 4 20 40 NA's

1 2 3 1 513

patient.samples.sample.portions.portion.3.slides.slide.percent_monocyte_infiltration:

2 3 20 NA's

2 1 4 513

patient.samples.sample.portions.portion.3.slides.slide.percent_necrosis:

0 2 5 10 NA's

2 1 2 2 513

patient.samples.sample.portions.portion.3.slides.slide.percent_neutrophil_infiltration:

3 5 20 40 NA's

2 1 1 3 513

patient.samples.sample.portions.portion.3.slides.slide.percent_normal_cells:

0 NA's

7 513

patient.samples.sample.portions.portion.3.slides.slide.percent_stromal_cells:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
5.00	10.00	20.00	16.86	24.00	25.00	513

patient.samples.sample.portions.portion.3.slides.slide.percent_tumor_cells:

75 80 90 NA's

4 2 1 513

patient.samples.sample.portions.portion.3.slides.slide.percent_tumor_nuclei:

75 80 90 NA's

4 2 1 513

patient.samples.sample.portions.portion.3.slides.slide.section_location:
 top NA's
 7 513

patient.samples.sample.portions.portion.3.weight:
 20 30 NA's
 2 5 513

patient.samples.sample.portions.portion.3.year_of_creation:
 2013 NA's
 7 513

patient.samples.sample.portions.portion.analytes.analyte.2.a260_a280_ratio:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 1.170 1.800 1.800 1.807 1.830 2.120 201

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.2.ad
 fppp NA's
 11 509

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.2.ad
 tcga NA's
 11 509

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.2.bo
 ffpe validation NA's
 11 509

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.2.bi
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 98849031 132159756 132159830 131875136 132159998 167814215 506

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.2.ce
 7 9 13 36 NA's
 9 1 3 1 506

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.2.co
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 0.1200 0.1325 0.1450 0.1664 0.1500 0.5000 506

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.2.da
 13 14 26 29 NA's
 3 9 1 1 506

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.2.is
 no NA's
 14 506

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.2.mo

3 6 7 8 NA's
 11 1 1 1 506

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.2.pl
 1 2 NA's
 12 2 506

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.2.qu
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 0.700 1.722 1.950 4.819 3.000 40.000 506

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.2.sc
 22 23 NA's
 2 12 506

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.2.vo
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 5.00 13.00 13.00 19.69 20.00 80.00 506

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.2.ye
 2010 2013 2015 NA's
 2 11 1 506

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.3.bi
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 167814167 167814169 167814182 167814192 167814210 167814239 514

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.3.ce
 36 NA's
 6 514

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.3.co
 0.13 0.14 0.15 NA's
 2 2 2 514

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.3.da
 26 NA's
 6 514

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.3.is
 no NA's
 6 514

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.3.mo
 8 NA's
 6 514

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.3.pl

1 5 NA's
5 1 514

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.3.pl
a46x NA's
6 514

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.3.qu
0.65 0.7 0.75 NA's
2 2 2 514

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.3.so
23 NA's
6 514

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.3.vo
5 NA's
6 514

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.3.ye
2015 NA's
6 514

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.addi
fppp NA's
1 519

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.addi
tcga NA's
1 519

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.bcr_
ffpe validation NA's
1 519

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.bios
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
9.752e+07 1.070e+08 1.252e+08 3.165e+08 1.500e+08 1.076e+09 1

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.cent
7 8 13 NA's
102 1 416 1

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.conc
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
0.0500 0.1400 0.1500 0.1526 0.1600 0.5000 1

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.day_
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's

```

1.00 10.00 12.00 16.85 29.00 30.00 1
patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.is_d
no NA's
519 1
patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.mont
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
1.000 4.000 6.000 6.738 10.000 12.000 1
patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.plat
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
1.000 2.000 3.000 3.497 5.000 12.000 1
patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.quant
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
1.000 3.000 3.200 3.257 3.400 40.000 1
patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.sour
22 23 NA's
406 113 1
patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.volun
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
13.00 20.00 20.00 21.12 20.00 80.00 1
patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.year
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
2010 2011 2011 2011 2012 2014 1
patient.samples.sample.portions.portion.analytes.analyte.2.amount:
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
2.50 31.62 81.50 116.14 157.00 730.30 1
patient.samples.sample.portions.portion.analytes.analyte.2.analyte_type:
repli-g x (qiagen) dna rna NA's
1 518 1
patient.samples.sample.portions.portion.analytes.analyte.2.analyte_type_id:
h r x NA's
416 102 1 1
patient.samples.sample.portions.portion.analytes.analyte.2.concentration:
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
0.0500 0.1400 0.1500 0.1526 0.1600 0.5000 1
patient.samples.sample.portions.portion.analytes.analyte.2.dna.normal_tumor_genom
yes NA's

```

1 519

patient.samples.sample.portions.portion.analytes.analyte.2.dna.pcr_amplification
no NA's

1 519

patient.samples.sample.portions.portion.analytes.analyte.2.gel_image_file:
<https://sharedoc.nchri.org/tcga-bcr/default.aspx>

519

NA's

1

patient.samples.sample.portions.portion.analytes.analyte.2.is_derived_from_ffpe:
no NA's

519 1

patient.samples.sample.portions.portion.analytes.analyte.2.protocols.protocol.ex
allprep rna extraction mirvana (allprep dna) rna repli-g x

102

416

1

NA's

1

patient.samples.sample.portions.portion.analytes.analyte.2.rna.ratio_28s_18s:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0.660	1.250	1.400	1.415	1.597	2.140	2

patient.samples.sample.portions.portion.analytes.analyte.2.rna.rinvalue:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
6.900	7.700	8.300	8.278	8.800	9.900	2

patient.samples.sample.portions.portion.analytes.analyte.2.spectrophotometer_met
uv spec NA's

519 1

patient.samples.sample.portions.portion.analytes.analyte.2.subportion_sequence:

1	2	3	NA's
385	30	1	104

patient.samples.sample.portions.portion.analytes.analyte.3.a260_a280_ratio:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0.180	1.700	1.800	1.777	1.855	2.110	285

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.2.ad
fppp NA's

3 517

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.2.ad
tcga NA's

3 517

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.2.bi
 ffpe validation NA's
 3 517

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.2.bi
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 98846631 145632059 148194718 145664262 167812910 167812963 510

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.2.ce
 7 9 13 NA's
 8 1 1 510

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.2.co
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 0.100 0.150 0.160 0.189 0.170 0.500 510

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.2.da
 2 9 14 29 NA's
 1 4 4 1 510

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.2.is
 no NA's
 10 510

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.2.mo
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 3.00 3.75 8.50 8.00 12.00 12.00 510

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.2.pl
 1 2 5 NA's
 3 5 2 510

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.2.qu
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 1.000 1.120 1.570 5.342 1.950 40.000 510

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.2.so
 22 23 NA's
 2 8 510

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.2.vo
 6.6 10 13 80 NA's
 4 1 4 1 510

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.2.ye
 2010 2013 2014 NA's
 2 4 4 510

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.3.bo
 tcga-44-6146-01a-11r-a46x-36 tcga-44-6147-01a-11r-a46x-36

	1		1
tcga-44-6775-01a-11r-a46x-36		NA's	
	1		517

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.3.bo			
7b1364ee-1b38-4ffe-9c56-7d4cf82c99db	7e7710ec-807d-4765-82a9-1520cf3da3ee		
	1		1
de336a4c-e471-4cbb-80d7-9ec124eeb5be		NA's	
	1		517

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.3.bi			
167814144	167814218	167814237	NA's
1	1	1	517

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.3.ce			
36	NA's		
3			517

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.3.co			
0.15	0.16	NA's	
2	1		517

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.3.da			
26	NA's		
3			517

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.3.is			
no	NA's		
3			517

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.3.mo			
8	NA's		
3			517

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.3.pl			
1	3	NA's	
1	2		517

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.3.pl			
a46x	NA's		
3			517

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.3.pl			
a	b	h	NA's
1	1	1	517

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.3.qu			
0.75	0.8	NA's	
2	1		517

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.3.so			
23	NA's		

3 517

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.3.vo

5 NA's

3 517

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.3.ye

2015 NA's

3 517

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.bios

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
9.752e+07	1.210e+08	1.283e+08	3.848e+08	1.054e+09	1.076e+09	2

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.cent

7 8 13 NA's

416 1 101 2

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.conc

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0.1000	0.1300	0.1500	0.1428	0.1600	0.5000	2

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.day_

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1.00	10.00	18.00	18.17	29.00	30.00	2

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.is_d

no NA's

518 2

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.mont

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1.000	4.000	6.000	6.745	10.500	12.000	2

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.plat

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1.000	2.000	3.000	3.529	4.000	12.000	2

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.quan

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1.730	1.860	2.000	2.289	2.340	40.000	2

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.sour

22 23 NA's

406 112 2

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.vol

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
------	---------	--------	------	---------	------	------

13.00 13.30 13.30 16.68 13.30 80.00 2

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.year

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
2010	2011	2011	2011	2012	2014	2

patient.samples.sample.portions.portion.analytes.analyte.3.amount:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0.00	28.22	67.10	88.64	127.08	533.50	2

patient.samples.sample.portions.portion.analytes.analyte.3.analyte_type:

repli-g (qiagen) dna	rna	total rna
1	416	101
NA's		
2		

patient.samples.sample.portions.portion.analytes.analyte.3.analyte_type_id:

r	t	w	NA's
416	101	1	2

patient.samples.sample.portions.portion.analytes.analyte.3.concentration:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0.1000	0.1300	0.1500	0.1428	0.1600	0.5000	2

patient.samples.sample.portions.portion.analytes.analyte.3.dna.normal_tumor_genotype:

yes	NA's
1	519

patient.samples.sample.portions.portion.analytes.analyte.3.dna.pcr_amplification:

no	NA's
1	519

patient.samples.sample.portions.portion.analytes.analyte.3.gel_image_file:

https://sharedoc.nchri.org/tcga-bcr/default.aspx
518
NA's
2

patient.samples.sample.portions.portion.analytes.analyte.3.is_derived_from_ffpe:

no	NA's
518	2

patient.samples.sample.portions.portion.analytes.analyte.3.protocols.protocol.extracted:

allprep rna extraction	repli-g	total rna
416	1	101
NA's		
2		

patient.samples.sample.portions.portion.analytes.analyte.3.rna.ratio_28s_18s:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
------	---------	--------	------	---------	------	------

0.000 1.180 1.350 1.347 1.510 2.410 33

patient.samples.sample.portions.portion.analytes.analyte.3.rna.rinvalue:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
6.700	7.400	8.000	8.039	8.600	9.800	33

patient.samples.sample.portions.portion.analytes.analyte.3.spectrophotometer_met
uv spec NA's

518 2

patient.samples.sample.portions.portion.analytes.analyte.3.subportion_sequence:

1	2	3	NA's
385	30	1	104

patient.samples.sample.portions.portion.analytes.analyte.4.aliqots.aliquot.2.bi

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
96484636	96485214	103960958	100757417	103961080	103961124	452

patient.samples.sample.portions.portion.analytes.analyte.4.aliqots.aliquot.2.ce

9 NA's
68 452

patient.samples.sample.portions.portion.analytes.analyte.4.aliqots.aliquot.2.co

0.5 NA's
68 452

patient.samples.sample.portions.portion.analytes.analyte.4.aliqots.aliquot.2.da

15	27	29	NA's
21	35	12	452

patient.samples.sample.portions.portion.analytes.analyte.4.aliqots.aliquot.2.is

no NA's
68 452

patient.samples.sample.portions.portion.analytes.analyte.4.aliqots.aliquot.2.mo

4	6	9	NA's
21	12	35	452

patient.samples.sample.portions.portion.analytes.analyte.4.aliqots.aliquot.2.pl

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1.000	2.000	2.500	2.676	3.250	6.000	452

patient.samples.sample.portions.portion.analytes.analyte.4.aliqots.aliquot.2.pl

929	1069	1070	1258	NA's
21	11	1	35	452

patient.samples.sample.portions.portion.analytes.analyte.4.aliqots.aliquot.2.qu

40 NA's
68 452

patient.samples.sample.portions.portion.analytes.analyte.4.aliquots.aliquot.2.so
 22 NA's
 68 452

patient.samples.sample.portions.portion.analytes.analyte.4.aliquots.aliquot.2.vo
 80 NA's
 68 452

patient.samples.sample.portions.portion.analytes.analyte.4.aliquots.aliquot.2.ye
 2010 NA's
 68 452

patient.samples.sample.portions.portion.analytes.analyte.4.aliquots.aliquot.3.bo
 tcga-38-4630-01a-01w-a315-08 NA's
 1 519

patient.samples.sample.portions.portion.analytes.analyte.4.aliquots.aliquot.3.bo
 ec788331-45d9-4f2b-8ebd-cdc7f7fc18ab NA's
 1 519

patient.samples.sample.portions.portion.analytes.analyte.4.aliquots.aliquot.3.bi
 153878575 NA's
 1 519

patient.samples.sample.portions.portion.analytes.analyte.4.aliquots.aliquot.3.ce
 8 NA's
 1 519

patient.samples.sample.portions.portion.analytes.analyte.4.aliquots.aliquot.3.co
 0.5 NA's
 1 519

patient.samples.sample.portions.portion.analytes.analyte.4.aliquots.aliquot.3.da
 15 NA's
 1 519

patient.samples.sample.portions.portion.analytes.analyte.4.aliquots.aliquot.3.is
 no NA's
 1 519

patient.samples.sample.portions.portion.analytes.analyte.4.aliquots.aliquot.3.mo
 7 NA's
 1 519

patient.samples.sample.portions.portion.analytes.analyte.4.aliquots.aliquot.3.pl
 1 NA's
 1 519

patient.samples.sample.portions.portion.analytes.analyte.4.aliquots.aliquot.3.pl
 a315 NA's
 1 519

patient.samples.sample.portions.portion.analytes.analyte.4.aliquots.aliquot.3.pl
 g NA's
 1 519

patient.samples.sample.portions.portion.analytes.analyte.4.aliquots.aliquot.3.qu
 5 NA's
 1 519

patient.samples.sample.portions.portion.analytes.analyte.4.aliquots.aliquot.3.so
 23 NA's
 1 519

patient.samples.sample.portions.portion.analytes.analyte.4.aliquots.aliquot.3.vo
 10 NA's
 1 519

patient.samples.sample.portions.portion.analytes.analyte.4.aliquots.aliquot.3.ye
 2013 NA's
 1 519

patient.samples.sample.portions.portion.analytes.analyte.4.aliquots.aliquot.bios
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 9.651e+07 1.087e+08 1.283e+08 3.080e+08 1.457e+08 1.076e+09 11

patient.samples.sample.portions.portion.analytes.analyte.4.aliquots.aliquot.cent
 8 NA's
 509 11

patient.samples.sample.portions.portion.analytes.analyte.4.aliquots.aliquot.conc
 0.5 NA's
 509 11

patient.samples.sample.portions.portion.analytes.analyte.4.aliquots.aliquot.day_
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 2.00 8.00 25.00 19.14 27.00 30.00 11

patient.samples.sample.portions.portion.analytes.analyte.4.aliquots.aliquot.is_d
 no NA's
 509 11

patient.samples.sample.portions.portion.analytes.analyte.4.aliquots.aliquot.mont
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 1.000 4.000 6.000 5.935 8.000 12.000 11

patient.samples.sample.portions.portion.analytes.analyte.4.aliquots.aliquot.plat
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 1.000 2.000 3.000 3.338 4.000 12.000 11

```

patient.samples.sample.portions.portion.analytes.analyte.4.aliquots.aliquot.quant
  40 NA's
509  11

patient.samples.sample.portions.portion.analytes.analyte.4.aliquots.aliquot.sour
  22  23 NA's
372 137  11

patient.samples.sample.portions.portion.analytes.analyte.4.aliquots.aliquot.vol
  80 NA's
509  11

patient.samples.sample.portions.portion.analytes.analyte.4.aliquots.aliquot.year
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.    NA's
  2010   2011   2011   2012   2013   2014     11

patient.samples.sample.portions.portion.analytes.analyte.4.amount:
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.    NA's
  42.0  154.0  176.0  161.2  192.0  247.0   148

patient.samples.sample.portions.portion.analytes.analyte.4.analyte_type:
  repli-g (qiagen) dna repli-g x (qiagen) dna          NA's
                508                1                11

patient.samples.sample.portions.portion.analytes.analyte.4.analyte_type_id:
  w    x NA's
508  1  11

patient.samples.sample.portions.portion.analytes.analyte.4.concentration:
  0.5 NA's
372 148

patient.samples.sample.portions.portion.analytes.analyte.4.dna.normal_tumor_gene
  yes NA's
509  11

patient.samples.sample.portions.portion.analytes.analyte.4.dna.pcr_amplification
  no  yes NA's
372 137  11

patient.samples.sample.portions.portion.analytes.analyte.4.gel_image_file:
https://sharedoc.nchri.org/tcga-bcr/default.aspx
                509
                NA's
                11

patient.samples.sample.portions.portion.analytes.analyte.4.is_derived_from_ffpe:
  no NA's
509  11

```

patient.samples.sample.portions.portion.analytes.analyte.4.protocols.protocol.ex
 repli-g repli-g x NA's
 474 35 11

patient.samples.sample.portions.portion.analytes.analyte.4.spectrophotometer_met
 picogreen uv spec NA's
 237 135 148

patient.samples.sample.portions.portion.analytes.analyte.4.subportion_sequence:
 1 2 3 NA's
 378 28 1 113

patient.samples.sample.portions.portion.analytes.analyte.5.aliquots.aliquot.2.bi
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 96491241 96491534 103960914 100787311 103961654 103961701 453

patient.samples.sample.portions.portion.analytes.analyte.5.aliquots.aliquot.2.ce
 9 NA's
 67 453

patient.samples.sample.portions.portion.analytes.analyte.5.aliquots.aliquot.2.co
 0.5 NA's
 67 453

patient.samples.sample.portions.portion.analytes.analyte.5.aliquots.aliquot.2.da
 15 27 29 NA's
 21 35 11 453

patient.samples.sample.portions.portion.analytes.analyte.5.aliquots.aliquot.2.is
 no NA's
 67 453

patient.samples.sample.portions.portion.analytes.analyte.5.aliquots.aliquot.2.mo
 4 6 9 NA's
 21 11 35 453

patient.samples.sample.portions.portion.analytes.analyte.5.aliquots.aliquot.2.pl
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 1.000 2.000 3.000 2.687 3.500 6.000 453

patient.samples.sample.portions.portion.analytes.analyte.5.aliquots.aliquot.2.pl
 931 1070 1260 NA's
 21 11 35 453

patient.samples.sample.portions.portion.analytes.analyte.5.aliquots.aliquot.2.qu
 40 NA's
 67 453

patient.samples.sample.portions.portion.analytes.analyte.5.aliquots.aliquot.2.sc
 22 NA's
 67 453

patient.samples.sample.portions.portion.analytes.analyte.5.aliquots.aliquot.2.vo
 80 NA's
 67 453

patient.samples.sample.portions.portion.analytes.analyte.5.aliquots.aliquot.2.ye
 2010 NA's
 67 453

patient.samples.sample.portions.portion.analytes.analyte.5.aliquots.aliquot.bios

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
97512362	97512882	103959611	101106852	103959642	103959953	453

patient.samples.sample.portions.portion.analytes.analyte.5.aliquots.aliquot.cent
 8 NA's
 67 453

patient.samples.sample.portions.portion.analytes.analyte.5.aliquots.aliquot.conc
 0.5 NA's
 67 453

patient.samples.sample.portions.portion.analytes.analyte.5.aliquots.aliquot.day_

15	27	29	NA's
21	35	11	453

patient.samples.sample.portions.portion.analytes.analyte.5.aliquots.aliquot.is_d
 no NA's
 67 453

patient.samples.sample.portions.portion.analytes.analyte.5.aliquots.aliquot.mont

4	6	9	NA's
21	11	35	453

patient.samples.sample.portions.portion.analytes.analyte.5.aliquots.aliquot.plat

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1.000	2.000	3.000	2.687	3.500	6.000	453

patient.samples.sample.portions.portion.analytes.analyte.5.aliquots.aliquot.plat

930	1068	1259	NA's
21	11	35	453

patient.samples.sample.portions.portion.analytes.analyte.5.aliquots.aliquot.quant
 40 NA's
 67 453

patient.samples.sample.portions.portion.analytes.analyte.5.aliquots.aliquot.sour

22 NA's
 67 453

patient.samples.sample.portions.portion.analytes.analyte.5.aliquots.aliquot.volum
 80 NA's
 67 453

patient.samples.sample.portions.portion.analytes.analyte.5.aliquots.aliquot.year
 2010 NA's
 67 453

patient.samples.sample.portions.portion.analytes.analyte.5.amount:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
43.00	63.00	73.00	76.07	90.00	116.00	453

patient.samples.sample.portions.portion.analytes.analyte.5.analyte_type:
 repli-g x (qiagen) dna NA's
 67 453

patient.samples.sample.portions.portion.analytes.analyte.5.analyte_type_id:
 x NA's
 67 453

patient.samples.sample.portions.portion.analytes.analyte.5.concentration:
 0.5 NA's
 67 453

patient.samples.sample.portions.portion.analytes.analyte.5.dna.normal_tumor_genom
 yes NA's
 67 453

patient.samples.sample.portions.portion.analytes.analyte.5.dna.pcr_amplification
 no NA's
 67 453

patient.samples.sample.portions.portion.analytes.analyte.5.gel_image_file:
<https://sharedoc.nchri.org/tcga-bcr/default.aspx>
 67
 NA's
 453

patient.samples.sample.portions.portion.analytes.analyte.5.is_derived_from_ffpe:
 no NA's
 67 453

patient.samples.sample.portions.portion.analytes.analyte.5.protocols.protocol.ex
 repli-g x NA's
 67 453

patient.samples.sample.portions.portion.analytes.analyte.5.spectrophotometer_met

uv spec NA's
67 453

patient.samples.sample.portions.portion.analytes.analyte.a260_a280_ratio:
1.8 1.9 2 NA's
4 171 5 340

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.10.add
fppp NA's
5 515

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.10.add
tcga NA's
5 515

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.10.bcr
ffpe validation NA's
5 515

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.10.bio
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
1.322e+08 1.457e+08 1.050e+09 6.878e+08 1.050e+09 1.054e+09 505

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.10.cen
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
1.0 5.0 8.0 6.6 9.0 10.0 505

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.10.con
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
0.0500 0.0500 0.0700 0.0887 0.1450 0.1500 505

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.10.day
11 13 14 22 NA's
3 2 9 1 505

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.10.is_
no NA's
15 505

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.10.mon
2 3 4 7 NA's
6 5 1 3 505

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.10.pla
1 2 3 NA's
9 4 2 505

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.10.qua

	Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
	0.930	1.010	1.400	1.559	2.000	2.240	505
patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.10.sou	22	23	NA's				
	9	6	505				
patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.10.vol	Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
	6.67	6.70	20.00	24.09	40.00	40.00	505
patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.10.yea	2011	2013	2015	NA's			
	9	5	1	505			
patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.11.add	fppp	NA's					
	3	517					
patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.11.add	tcga	NA's					
	3	517					
patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.11.bcr	ffpe validation		NA's				
	3		517				
patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.11.bio	Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
	1.136e+08	1.322e+08	1.322e+08	3.191e+08	1.678e+08	1.050e+09	510
patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.11.cen	1	8	9	10	NA's		
	3	3	2	2	510		
patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.11.con	Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
	0.0500	0.0725	0.1100	0.1050	0.1400	0.1500	510
patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.11.day	3	14	22	27	NA's		
	1	5	2	2	510		
patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.11.is_	no	NA's					
	10	510					
patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.11.mon	Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
	2.0	3.0	3.5	4.1	5.5	8.0	510

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.11.pla
 1 2 3 NA's
 2 5 3 510

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.11.pla
 a d e f NA's
 3 3 2 2 510

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.11.qua
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 0.940 0.955 1.300 1.462 1.990 2.240 510

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.11.sou
 22 23 NA's
 4 6 510

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.11.vol
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 6.67 6.70 13.35 18.94 28.00 40.00 510

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.11.yea
 2011 2012 2013 2015 NA's
 2 2 3 3 510

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.12.add
 fppp NA's
 2 518

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.12.add
 tcga NA's
 2 518

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.12.bcr
 ffpe validation NA's
 2 518

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.12.bio
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 113627398 122893588 145675743 136932156 149777614 153879547 513

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.12.cen
 5 8 NA's
 2 5 513

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.12.con
 0.07 0.08 0.14 0.15 NA's
 1 2 2 2 513

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.12.day
 3 13 26 27 NA's
 1 2 2 2 513

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.12.is_ no NA's
 7 513

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.12.mon
 3 6 8 NA's
 2 4 1 513

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.12.pla
 1 2 3 5 NA's
 1 3 2 1 513

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.12.pla
 1931 a276 a313 a46w NA's
 2 2 2 1 513

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.12.qua
 0.94 1 1.07 1.6 NA's
 3 2 1 1 513

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.12.sou
 22 23 NA's
 2 5 513

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.12.vol
 6.67 6.7 13.4 20 NA's
 2 2 2 1 513

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.12.yea
 2012 2013 2015 NA's
 2 4 1 513

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.13.bcr
 tcga-44-2656-01a-02d-a313-08 tcga-44-2659-01a-01d-a313-08
 1 1
 tcga-44-2665-01a-01d-2250-01 tcga-44-2668-01a-01d-a46w-08
 1 1
 NA's
 516

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.13.bcr
 234a08d4-f797-442c-80d6-c133f96db37a 73f6eb52-7b85-49a2-ad10-9ad7314ed958
 1 1
 9393e215-10ad-48d9-985c-2c3eea3f7766 fb64cda7-55e2-4c9c-b48d-80d870603c5e
 1 1
 NA's
 516

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.13.bio
 125246006 132159745 153879477 153879482 NA's
 1 1 1 1 516

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.13.cen
 1 8 NA's
 1 3 516

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.13.com
 0.07 0.08 0.15 NA's
 2 1 1 516

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.13.day
 3 26 29 NA's
 1 2 1 516

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.13.is_
 no NA's
 4 516

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.13.mon
 6 8 NA's
 2 2 516

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.13.pla
 1 3 NA's
 2 2 516

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.13.pla
 2250 a313 a46w NA's
 1 2 1 516

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.13.pla
 f g h NA's
 1 2 1 516

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.13.qua
 0.94 1.07 1.2 1.4 NA's
 1 1 1 1 516

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.13.sou
 22 23 NA's
 1 3 516

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.13.vol
 8 13.4 20 NA's
 1 2 1 516

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.13.yea
 2012 2013 2015 NA's
 1 2 1 516

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.14.add
 fppp NA's
 1 519

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.14.add
 tcga NA's
 1 519

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.14.bcr
 tcga-44-2656-01a-02d-a46w-08 tcga-44-2665-01a-01d-a271-08
 1 1
 NA's
 518

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.14.bcr
 05aee344-6843-4d0d-9ad7-4c696b36f203 e80ca033-166a-450b-abdb-92d64f076780
 1 1
 NA's
 518

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.14.bcr
 ffpe validation NA's
 1 519

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.14.bio
 132159966 132160641 NA's
 1 1 518

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.14.cen
 8 NA's
 2 518

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.14.con
 0.07 0.08 NA's
 1 1 518

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.14.day
 3 14 NA's
 1 1 518

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.14.is_
 no NA's
 2 518

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.14.mon
 3 8 NA's
 1 1 518

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.14.pla
 1 3 NA's
 1 1 518

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.14.pla
 a271 a46w NA's
 1 1 518

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.14.pla
 a g NA's
 1 1 518

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.14.qua
 1.4 1.6 NA's
 1 1 518

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.14.sou
 23 NA's
 2 518

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.14.vol
 20 NA's
 2 518

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.14.yea
 2013 2015 NA's
 1 1 518

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.15.add
 fppp NA's
 1 519

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.15.add
 tcga NA's
 1 519

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.15.bcr
 tcga-44-2665-01a-01d-a273-01 NA's
 1 519

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.15.bcr
 cee306c7-d850-4a8f-81ac-6ab2289c546e NA's
 1 519

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.15.bcr
 ffpe validation NA's
 1 519

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.15.bio
 132158824 NA's
 1 519

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.15.cen
 1 NA's
 1 519

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.15.com
0.15 NA's

1 519

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.15.day
14 NA's

1 519

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.15.is_
no NA's

1 519

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.15.mon
3 NA's

1 519

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.15.pla
3 NA's

1 519

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.15.pla
a273 NA's

1 519

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.15.pla
g NA's

1 519

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.15.qua
1.01 NA's

1 519

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.15.sou
23 NA's

1 519

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.15.vol
6.7 NA's

1 519

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.15.yea
2013 NA's

1 519

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.16.add
fppp NA's

1 519

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.16.add
tcga NA's

1 519

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.16.bcr
 tcga-44-2665-01a-01d-a276-05 NA's
 1 519

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.16.bcr
 0b8fd8b7-3d18-4825-b672-c05d18e490e5 NA's
 1 519

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.16.bcr
 ffpe validation NA's
 1 519

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.16.bio
 145675771 NA's
 1 519

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.16.cen
 5 NA's
 1 519

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.16.con
 0.15 NA's
 1 519

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.16.day
 13 NA's
 1 519

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.16.is_
 no NA's
 1 519

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.16.mon
 3 NA's
 1 519

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.16.pla
 3 NA's
 1 519

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.16.pla
 a276 NA's
 1 519

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.16.pla
 g NA's
 1 519

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.16.qua
 1.01 NA's
 1 519

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.16.sou
 23 NA's
 1 519

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.16.vol
 6.7 NA's
 1 519

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.16.yea
 2013 NA's
 1 519

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.2.addi
 fppp NA's
 1 519

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.2.addi
 tcga NA's
 1 519

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.2.bcr_
 ffpe validation NA's
 1 519

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.2.bios
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 9.752e+07 1.210e+08 1.323e+08 4.746e+08 1.054e+09 1.076e+09 1

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.2.cent
 1 5 8 9 NA's
 193 32 293 1 1

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.2.conc
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 0.05000 0.05000 0.08000 0.09906 0.15000 0.50000 1

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.2.day_
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 1.00 10.00 18.00 18.16 29.00 30.00 1

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.2.is_d
 no NA's
 519 1

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.2.mont
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 1.000 4.000 6.000 6.738 10.000 12.000 1

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.2.plat

	Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
	1.000	1.000	2.000	2.915	4.000	10.000	1
patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.2.quant							
	Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
	0.870	1.010	3.000	2.409	3.000	40.000	1
patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.2.source							
	22	23	NA's				
	406	113	1				
patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.2.volume							
	Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
	6.67	6.67	40.00	34.65	60.00	80.00	1
patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.2.year							
	Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
	2010	2011	2011	2011	2012	2014	1
patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.3.addi							
fppp NA's							
	1	519					
patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.3.addi							
tcga NA's							
	1	519					
patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.3.bcr_							
ffpe validation							
				NA's			
	1			519			
patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.3.bios							
	Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
	9.753e+07	1.210e+08	1.317e+08	3.607e+08	1.053e+09	1.062e+09	2
patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.3.cent							
	5	8	NA's				
	350	168	2				
patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.3.conc							
	Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
	0.0500	0.0500	0.1500	0.1248	0.1600	0.1700	2
patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.3.day_							
	Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
	1.00	10.00	18.00	18.75	29.00	30.00	2
patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.3.is_d							

no NA's
518 2

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.3.mont
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
1.000 4.000 6.000 6.739 10.500 12.000 2

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.3.plat
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
1.000 1.000 2.000 2.925 4.000 10.000 2

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.3.quant
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
0.870 1.950 2.080 2.295 3.000 4.270 2

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.3.sour
22 23 NA's
405 113 2

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.3.volun
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
6.70 13.00 13.30 25.05 40.00 60.00 2

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.3.year
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
2010 2011 2011 2011 2012 2014 2

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.4.bios
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
9.753e+07 1.070e+08 1.678e+08 3.676e+08 1.053e+09 1.076e+09 243

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.4.cent
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
1.000 5.000 8.000 7.101 9.000 10.000 243

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.4.conc
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
0.0500 0.0800 0.1400 0.1297 0.1500 0.1700 243

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.4.day_
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
3.00 11.00 22.00 21.45 28.00 30.00 243

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.4.is_d
no NA's
277 243

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.4.mont

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Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
3.000	4.000	5.000	5.621	8.000	9.000	243

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.4.plat

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1.000	2.000	3.000	3.682	5.000	12.000	243

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.4.quan

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0.87	1.60	2.00	2.03	2.24	4.54	243

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.4.sour

22	23	NA's
209	68	243

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.4.vol

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
6.67	13.30	13.30	17.24	28.00	30.00	243

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.4.year

2010	2011	2012	2015	NA's
67	136	6	68	243

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.5.addi

fppp	NA's
4	516

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.5.addi

tcga	NA's
4	516

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.5.bcr_

ffpe validation	NA's
4	516

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.5.bios

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
9.753e+07	1.040e+08	1.539e+08	3.631e+08	6.089e+08	1.076e+09	413

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.5.cent

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1.000	8.000	9.000	7.271	9.000	10.000	413

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.5.conc

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0.0500	0.0800	0.1400	0.1131	0.1500	0.1600	413

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.5.day_

	Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
	7.00	14.00	22.00	21.65	27.00	29.00	413
patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.5.is_d	no NA's						
	107	413					
patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.5.mont	Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
	2.000	4.000	7.000	6.393	9.000	9.000	413
patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.5.plat	Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
	1.000	1.000	2.000	3.421	5.000	11.000	413
patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.5.quant	Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
	0.870	1.010	1.500	1.679	2.240	6.000	413
patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.5.sour	22 23 NA's						
	75	32	413				
patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.5.vol	Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
	6.67	6.70	20.00	17.86	28.00	40.00	413
patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.5.year	Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
	2010	2010	2011	2012	2013	2015	413
patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.6.addi	fppp NA's						
	5	515					
patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.6.addi	tcga NA's						
	5	515					
patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.6.bcr_	ffpe validation						
	5	515	NA's				
patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.6.bios	Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
	9.889e+07	1.136e+08	1.539e+08	4.310e+08	1.050e+09	1.076e+09	458
patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.6.cent							

	Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
	1.000	1.000	8.000	5.597	8.000	10.000	458
patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.6.conc							
	0.0500	0.0800	0.1400	0.1194	0.1500	0.1700	458
patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.6.day_							
	3.00	14.00	26.00	20.21	27.00	29.00	458
patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.6.is_d							
no NA's	62	458					
patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.6.mont							
	1.000	2.000	6.000	4.984	6.000	9.000	458
patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.6.plat							
	1.000	1.000	1.000	2.032	3.000	7.000	458
patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.6.quan							
	0.870	0.940	1.070	1.587	2.000	6.400	458
patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.6.sour							
22 23 NA's	39	23	458				
patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.6.vol							
	6.67	6.67	13.00	15.64	13.40	40.00	458
patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.6.year							
	2010	2011	2012	2012	2013	2015	458
patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.7.addi							
fppp NA's	5	515					
patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.7.addi							
tcga NA's	5	515					
patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.7.bcr_							

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ffpe validation                NA's
           5                    515

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.7.bios
  Min. 1st Qu.  Median      Mean 3rd Qu.  Max.  NA's
1.136e+08 1.539e+08 1.539e+08 4.917e+08 1.050e+09 1.076e+09 478

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.7.cent
  Min. 1st Qu.  Median      Mean 3rd Qu.  Max.  NA's
 1.000  1.000  5.000  4.762  8.000 10.000  478

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.7.conc
  Min. 1st Qu.  Median      Mean 3rd Qu.  Max.  NA's
0.0700 0.0800 0.1450 0.1243 0.1500 0.1700 478

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.7.day_
  Min. 1st Qu.  Median      Mean 3rd Qu.  Max.  NA's
 11.00  14.00  16.00  19.74  26.00  29.00  478

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.7.is_d
no NA's
42 478

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.7.mont
  Min. 1st Qu.  Median      Mean 3rd Qu.  Max.  NA's
 1.000  2.000  6.000  4.667  6.000  9.000  478

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.7.plat
  Min. 1st Qu.  Median      Mean 3rd Qu.  Max.  NA's
 1.000  1.000  2.000  2.238  3.000  7.000  478

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.7.quan
  Min. 1st Qu.  Median      Mean 3rd Qu.  Max.  NA's
0.940  1.000  1.070  1.728  1.925  6.000  478

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.7.sour
22 23 NA's
21 21 478

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.7.vol
  Min. 1st Qu.  Median      Mean 3rd Qu.  Max.  NA's
 6.67  6.70  13.40  14.14  13.40  40.00  478

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.7.year
2011 2012 2013 2015 NA's
 15  6  19  2 478

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.8.addi
fppp NA's
 3 517
    
```

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.8.addi
tcga NA's

3 517

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.8.bcr_
ffpe validation NA's

3 517

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.8.bios

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1.252e+08	1.322e+08	1.050e+09	6.327e+08	1.050e+09	1.050e+09	496

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.8.cent

1	5	8	10	NA's
3	5	15	1	496

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.8.conc

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0.0500	0.0500	0.0800	0.0954	0.1500	0.1600	496

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.8.day_

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
3.00	14.00	14.00	14.08	14.00	29.00	496

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.8.is_d

no NA's
24 496

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.8.mont

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
2.000	2.000	2.000	3.792	6.000	8.000	496

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.8.plat

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1.000	1.000	2.000	2.417	3.000	7.000	496

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.8.quan

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1.000	1.520	1.880	2.012	2.000	4.010	496

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.8.sour

22 23 NA's
14 10 496

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.8.volu

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
6.67	18.35	23.35	24.57	40.00	40.00	496

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.8.year
 2011 2012 2013 2015 NA's
 13 1 5 5 496

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.9.addi
 fpp NA's
 2 518

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.9.addi
 tcga NA's
 2 518

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.9.bcr_
 ffpe validation NA's
 2 518

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.9.bios
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 1.322e+08 1.050e+09 1.050e+09 8.361e+08 1.050e+09 1.050e+09 503

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.9.cent
 1 5 8 9 NA's
 2 2 5 8 503

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.9.conc
 0.05 0.08 0.15 NA's
 11 2 4 503

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.9.day_
 3 14 21 NA's
 1 15 1 503

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.9.is_d
 no NA's
 17 503

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.9.mont
 1 2 3 8 NA's
 1 13 2 1 503

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.9.plat
 1 2 5 NA's
 8 8 1 503

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.9.quan
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 1.010 2.000 2.000 2.042 2.000 4.010 503

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.9.source
 22 23 NA's
 13 4 503

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.9.volume
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 6.70 26.70 40.00 31.78 40.00 40.00 503

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.9.year
 2011 2013 2015 NA's
 13 2 2 503

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.additional
 fppp NA's
 1 519

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.additional
 tcga NA's
 1 519

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.bcr_bis
 ffpe validation NA's
 1 519

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.biospecimen
 Min. 1st Qu. Median Mean 3rd Qu. Max.
 9.649e+07 1.210e+08 1.323e+08 4.738e+08 1.054e+09 1.076e+09

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.center
 1 2 8
 315 182 23

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.concentration
 Min. 1st Qu. Median Mean 3rd Qu. Max.
 0.0700 0.1400 0.1500 0.1484 0.1600 0.5000

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.day_of_year
 Min. 1st Qu. Median Mean 3rd Qu. Max.
 1.00 10.00 18.00 18.17 29.00 30.00

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.is_derived
 no
 520

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.month_of_year
 Min. 1st Qu. Median Mean 3rd Qu. Max.
 1.00 4.00 6.00 6.74 9.50 12.00

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.plate

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.
1.000	1.000	2.000	2.912	4.000	10.000

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.quantit

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.
0.870	1.000	1.070	1.451	1.730	40.000

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.source

22 23
407 113

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.volume

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.
6.67	6.67	6.70	10.07	13.30	80.00

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.year_o

2010 2011 2012 2013 2014
69 198 209 22 22

patient.samples.sample.portions.portion.analytes.analyte.amount:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.
0.00	64.86	212.50	235.88	325.25	1182.70

patient.samples.sample.portions.portion.analytes.analyte.analyte_type:

dna repli-g (qiagen) dna
519 1

patient.samples.sample.portions.portion.analytes.analyte.analyte_type_id:

d w
519 1

patient.samples.sample.portions.portion.analytes.analyte.concentration:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.
0.1300	0.1400	0.1500	0.1517	0.1600	0.5000

patient.samples.sample.portions.portion.analytes.analyte.dna.normal_tumor_genoty

yes
520

patient.samples.sample.portions.portion.analytes.analyte.dna.pcr_amplification_s

no yes
383 137

patient.samples.sample.portions.portion.analytes.analyte.gel_image_file:

<https://sharedoc.nchri.org/tcga-bcr/default.aspx>
520

patient.samples.sample.portions.portion.analytes.analyte.is_derived_from_ffpe:

no
520

patient.samples.sample.portions.portion.analytes.analyte.protocols.protocol.exp
adna preparation type repli-g
519 1

patient.samples.sample.portions.portion.analytes.analyte.spectrophotometer_metho
picogreen uv spec
339 181

patient.samples.sample.portions.portion.analytes.analyte.subportion_sequence:
1 2 3 NA's
385 30 1 104

patient.samples.sample.portions.portion.day_of_creation:
Min. 1st Qu. Median Mean 3rd Qu. Max.
1.00 8.00 14.00 15.66 24.00 31.00

patient.samples.sample.portions.portion.is_ffpe:
no
520

patient.samples.sample.portions.portion.lce:
lce NA's
22 498

patient.samples.sample.portions.portion.month_of_creation:
Min. 1st Qu. Median Mean 3rd Qu. Max.
1.000 4.000 7.000 6.671 10.000 12.000

patient.samples.sample.portions.portion.portion_number:
Min. 1st Qu. Median Mean 3rd Qu. Max.
1.00 11.00 11.00 10.52 11.00 51.00

patient.samples.sample.portions.portion.portion_sequence:
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
1.000 1.000 1.000 1.286 1.000 5.000 422

patient.samples.sample.portions.portion.slides.slide.2.is_derived_from_ffpe:
no NA's
268 252

patient.samples.sample.portions.portion.slides.slide.2.percent_lymphocyte_infilt
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
1.0 8.0 10.0 13.7 19.5 85.0 426

patient.samples.sample.portions.portion.slides.slide.2.percent_monocyte_infiltra
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 0.00 0.00 2.00 3.07 5.00 15.00 449

patient.samples.sample.portions.portion.slides.slide.2.percent_necrosis:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 0.000 0.000 0.000 3.489 5.000 90.000 252

patient.samples.sample.portions.portion.slides.slide.2.percent_neutrophil_infiltra
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 0.00 0.00 0.00 2.15 3.00 20.00 460

patient.samples.sample.portions.portion.slides.slide.2.percent_normal_cells:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 0.00 0.00 0.00 4.73 5.00 95.00 261

patient.samples.sample.portions.portion.slides.slide.2.percent_stromal_cells:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 0.00 5.00 10.00 11.82 15.00 70.00 258

patient.samples.sample.portions.portion.slides.slide.2.percent_tumor_cells:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 5.00 75.00 83.00 80.37 90.00 100.00 261

patient.samples.sample.portions.portion.slides.slide.2.percent_tumor_nuclei:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 5.0 70.0 75.0 73.1 80.0 90.0 252

patient.samples.sample.portions.portion.slides.slide.2.section_location:
 bottom top NA's
 22 246 252

patient.samples.sample.portions.portion.slides.slide.is_derived_from_ffpe:
 no
 520

patient.samples.sample.portions.portion.slides.slide.percent_lymphocyte_infiltra
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 0.000 3.000 7.000 9.961 15.000 90.000 264

patient.samples.sample.portions.portion.slides.slide.percent_monocyte_infiltrati
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 0.000 0.000 2.000 3.031 5.000 20.000 296

patient.samples.sample.portions.portion.slides.slide.percent_necrosis:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 0.000 0.000 0.000 3.617 5.000 60.000 5

patient.samples.sample.portions.portion.slides.slide.percent_neutrophil_infiltra

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0.000	0.000	0.000	2.101	2.000	30.000	312

patient.samples.sample.portions.portion.slides.slide.percent_normal_cells:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0.000	0.000	0.000	4.355	4.750	90.000	22

patient.samples.sample.portions.portion.slides.slide.percent_stromal_cells:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0.00	0.00	10.00	11.86	15.00	75.00	21

patient.samples.sample.portions.portion.slides.slide.percent_tumor_cells:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0.00	70.00	82.00	79.22	90.00	100.00	25

patient.samples.sample.portions.portion.slides.slide.percent_tumor_nuclei:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
5.0	65.0	75.0	72.4	80.0	100.0	5

patient.samples.sample.portions.portion.slides.slide.section_location:

bottom	top
246	274

patient.samples.sample.portions.portion.weight:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.
7.00	30.00	33.00	47.99	40.00	174.00

patient.samples.sample.portions.portion.year_of_creation:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.
2009	2011	2011	2011	2012	2014

patient.samples.sample.portions.shipment_portion.center_id:

20	NA's
365	155

patient.samples.sample.portions.shipment_portion.is_ffpe:

no	NA's
365	155

patient.samples.sample.portions.shipment_portion.portion_number:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
11.00	13.00	21.00	19.11	21.00	51.00	155

patient.samples.sample.portions.shipment_portion.portion_sequence:

1	2	4	5	NA's
12	90	1	1	416

patient.samples.sample.portions.shipment_portion.shipment_portion_day_of_shipment:

5	30	NA's
---	----	------

237 128 155

patient.samples.sample.portions.shipment_portion.shipment_portion_month_of_shipme

3 7 NA's
237 128 155

patient.samples.sample.portions.shipment_portion.shipment_portion_year_of_shipme

2012 2014 NA's
237 128 155

patient.samples.sample.sample_type:

primary tumor
520

patient.samples.sample.sample_type_id:

1
520

patient.samples.sample.shortest_dimension:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0.1000	0.3000	0.4000	0.3756	0.5000	1.0000	115

patient.samples.sample.vial_number:

a	b
517	3

Sex:

[unknown]	FEMALE	MALE	NA's
1	130	99	290

Age.at.diagnosis:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
41.0	59.0	67.0	66.1	73.0	86.0	307

Smoking.Status:

Current reformed smoker for < or = 15 years
73

Current reformed smoker for > 15 years
69

Current smoker
45

Lifelong Non-smoker
32

NA's
301

Survival:

DECEASED	LIVING	NA's
68	161	291

Transversion.High.Low:

High	Low	NA's
142	88	290

Nonsilent.Mutations:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
13.00	79.25	159.00	239.00	290.50	1339.00	290

Nonsilent.Mutations.per.Mb:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0.370	2.277	4.565	6.861	8.338	38.440	290

Oncogene.Negative.or.Positive.Groups:

Oncogene	Negative	Oncogene	Positive	NA's
	87		143	290

Mutation_U2AF1:

none	p.S34F	NA's
222	8	290

Mutation_HRAS:

none	p.Q61L	NA's
229	1	290

Mutation_NRAS:

none	p.Q61L	NA's
229	1	290

Mutation_AKT1:

none	p.D323Y	p.E17K	NA's
228	1	1	290

Mutation_MAP2K1:

none	p.C121S	p.F53L	p.K57N	NA's
227	1	1	1	290

expression_subtype:				
prox.-inflam	prox.-prolif.		TRU	NA's
78	63		89	290

CNA_TP53:				
-2	-1	0	1	NA's
3	128	85	14	290

CNA_KRAS:						
Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
-2.000	0.000	0.000	0.213	1.000	2.000	290

CNA_EGFR:						
Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
-2.0000	0.0000	1.0000	0.5348	1.0000	2.0000	290

CNA_STK11:				
-2	-1	0	1	NA's
3	118	96	13	290

CNA_RBM10:						
Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
-2.00000	0.00000	0.00000	-0.08696	0.00000	2.00000	290

CNA_CDKN2A:						
Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
-2.0000	-1.0000	-1.0000	-0.7174	0.0000	2.0000	290

CNA_KEAP1:				
-2	-1	0	1	NA's
4	115	101	10	290

CNA_BRAF:				
-1	0	1	2	NA's
30	107	87	6	290

CNA_U2AF1:						
Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
-2.0000	-1.0000	0.0000	-0.1304	0.0000	2.0000	290

CNA_SMARCA4:				
-2	-1	0	1	NA's
4	115	102	9	290

CNA_NF1:						
Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
-2.0000	0.0000	0.0000	0.2478	1.0000	2.0000	290

CNA_MET:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
-2.0000	0.0000	0.0000	0.2913	1.0000	2.0000	290

CNA_ARID1A:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
-2	-1	0	0	1	2	290

CNA_SETD2:

-1	0	1	NA's
106	110	14	290

CNA_RB1:

-2	-1	0	1	NA's
6	108	95	21	290

CNA_PIK3CA:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
-2.00000	-1.00000	0.00000	0.01304	1.00000	2.00000	290

CNA_MGA:

-2	-1	0	1	NA's
7	119	87	17	290

CNA_RIT1:

-1	0	1	2	NA's
4	56	138	32	290

CNA_NKX2.1:

-1	0	1	2	NA's
33	100	65	32	290

CNA_MDM2:

-1	0	1	2	NA's
39	120	53	18	290

CNA_TERT:

-1	0	1	2	NA's
7	72	110	41	290

CNA_TERC:

-1	0	1	2	NA's
47	109	64	10	290

CNA_MYC:

-1	0	1	2	NA's
10	75	124	21	290

CNA_CCND1:

-1	0	1	2	NA's
25	131	64	10	290

CNA_CCNE1:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 -2.00000 0.00000 0.00000 0.04783 0.00000 2.00000 290

CNA_CDK4:
 -1 0 1 2 NA's
 38 124 53 15 290

CNA_ERBB2:
 -1 0 1 2 NA's
 19 109 96 6 290

CNA_HRAS:
 -2 -1 0 1 NA's
 1 54 138 37 290

CNA_NRAS:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 -2.00000 -1.00000 0.00000 -0.06522 0.00000 2.00000 290

CNA_AKT1:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 -2.00000 -1.00000 0.00000 -0.06087 0.00000 2.00000 290

FCNA_TP53:
 A D N NA's
 2 13 215 290

FCNA_KRAS:
 A D N NA's
 26 2 202 290

FCNA_EGFR:
 A D N NA's
 19 1 210 290

FCNA_STK11:
 A D N NA's
 7 21 202 290

FCNA_RBM10:
 A D N NA's
 6 2 222 290

FCNA_CDKN2A:
 A D N NA's
 5 55 170 290

FCNA_KEAP1:
 A D N NA's
 5 14 211 290

FCNA_BRAF:
A D N NA's
11 10 209 290

FCNA_U2AF1:
A D N NA's
6 6 218 290

FCNA_SMARCA4:
A D N NA's
4 15 211 290

FCNA_NF1:
A D N NA's
9 5 216 290

FCNA_MET:
A D N NA's
12 11 207 290

FCNA_ARID1A:
A D N NA's
13 24 193 290

FCNA_SETD2:
A D N NA's
2 13 215 290

FCNA_RB1:
A D N NA's
1 19 210 290

FCNA_PIK3CA:
A D N NA's
22 8 200 290

FCNA_MGA:
A D N NA's
3 25 202 290

FCNA_RIT1:
A D N NA's
44 2 184 290

FCNA_NKX2.1:
A D N NA's
56 2 172 290

FCNA_MDM2:
A D N NA's
31 4 195 290

FCNA_TERT:
 A D N NA's
 48 1 181 290

FCNA_TERC:
 A D N NA's
 34 2 194 290

FCNA_MYC:
 A D N NA's
 52 1 177 290

FCNA_CCND1:
 A N NA's
 25 205 290

FCNA_CCNE1:
 A D N NA's
 23 5 202 290

FCNA_CDK4:
 A D N NA's
 28 1 201 290

FCNA_ERBB2:
 A D N NA's
 13 3 214 290

FCNA_HRAS:
 A D N NA's
 5 14 211 290

FCNA_NRAS:
 A D N NA's
 3 33 194 290

FCNA_AKT1:
 A D N NA's
 3 20 207 290

iCLUSTER.output:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 1.000 3.000 4.000 3.796 5.000 6.000 290

methylation.signature:
 high intermediate low NA's
 37 70 74 339

ABSOLUTE.calls:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's

1.390 2.010 2.735 2.861 3.435 7.200 290

ABSOLUTE.calls.1:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0.1700	0.3300	0.4400	0.4637	0.6075	0.9100	290

LUSC

Lung squamous cell carcinoma

Description

A document describing the TCGA cancer code

Details

```
> experiments( LUSC )
ExperimentList class object of length 15:
 [1] CNACGH-20160128: RaggedExperiment with 87417 rows and 407 columns
 [2] CNASNP-20160128: RaggedExperiment with 543091 rows and 1035 columns
 [3] CNVSNP-20160128: RaggedExperiment with 134864 rows and 1032 columns
 [4] GISTIC_AllByGene-20160128: SummarizedExperiment with 24776 rows and 501 columns
 [5] GISTIC_ThresholdedByGene-20160128: SummarizedExperiment with 24776 rows and 501 columns
 [6] Methylation_methyl27-20160128: SummarizedExperiment with 27578 rows and 160 columns
 [7] Methylation_methyl450-20160128: SummarizedExperiment with 485577 rows and 407 columns
 [8] miRNASeqGene-20160128: SummarizedExperiment with 1046 rows and 387 columns
 [9] mRNAArray_huex-20160128: SummarizedExperiment with 18632 rows and 112 columns
 [10] mRNAArray_TX_g4502a-20160128: SummarizedExperiment with 17814 rows and 154 columns
 [11] mRNAArray_TX_ht_hg_u133a-20160128: SummarizedExperiment with 12042 rows and 1032 columns
 [12] Mutation-20160128: RaggedExperiment with 65305 rows and 178 columns
 [13] RNASeq2GeneNorm-20160128: SummarizedExperiment with 20501 rows and 552 columns
 [14] RNASeqGene-20160128: SummarizedExperiment with 20502 rows and 240 columns
 [15] RPPAArray-20160128: SummarizedExperiment with 223 rows and 328 columns

> rownames( LUSC )
CharacterList of length 15
[["CNACGH-20160128"]] character(0)
[["CNASNP-20160128"]] character(0)
[["CNVSNP-20160128"]] character(0)
[["GISTIC_AllByGene-20160128"]] ACAP3 ACTRT2 ... WASIR1|ENSG00000185203.7
[["GISTIC_ThresholdedByGene-20160128"]] ACAP3 ... WASIR1|ENSG00000185203.7
[["Methylation_methyl27-20160128"]] cg00000292 cg00002426 ... cg27665659
[["Methylation_methyl450-20160128"]] cg00000029 cg00000108 ... rs9839873
[["miRNASeqGene-20160128"]] hsa-let-7a-1 hsa-let-7a-2 ... hsa-mir-99b
[["mRNAArray_huex-20160128"]] C9orf152 ELMO2 RPS11 ... SLC39A6 CTSC AQP7
[["mRNAArray_TX_g4502a-20160128"]] ELMO2 CREB3L1 RPS11 ... SNRPD2 AQP7 CTSC
...
<5 more elements>

> colnames( LUSC )
CharacterList of length 15
```

```

[["CNACGH-20160128"]] TCGA-18-3406-01A-01D-1519-02 ...
[["CNASNP-20160128"]] TCGA-18-3406-01A-01D-0978-01 ...
[["CNVSNP-20160128"]] TCGA-18-3406-01A-01D-0978-01 ...
[["GISTIC_AllByGene-20160128"]] TCGA-18-3406-01A-01D-0978-01 ...
[["GISTIC_ThresholdedByGene-20160128"]] TCGA-18-3406-01A-01D-0978-01 ...
[["Methylation_methyl27-20160128"]] TCGA-18-3406-11A-01D-0979-05 ...
[["Methylation_methyl450-20160128"]] TCGA-18-3417-11A-01D-1440-05 ...
[["miRNASeqGene-20160128"]] TCGA-18-5592-01A-01T-1634-13 ...
[["mRNAArray_huex-20160128"]] TCGA-18-3406-01A-01R-1030-03 ...
[["mRNAArray_TX_g4502a-20160128"]] TCGA-18-3406-01A-01R-0980-07 ...
...
<5 more elements>

```

Sizes of each ExperimentList element:

	assay	size.Mb
1	CNACGH-20160128	2.5 Mb
2	CNASNP-20160128	14.8 Mb
3	CNVSNP-20160128	3.9 Mb
4	GISTIC_AllByGene-20160128	4.4 Mb
5	GISTIC_ThresholdedByGene-20160128	4.4 Mb
6	Methylation_methyl27-20160128	4.4 Mb
7	Methylation_methyl450-20160128	67.5 Mb
8	miRNASeqGene-20160128	0.1 Mb
9	mRNAArray_huex-20160128	1 Mb
10	mRNAArray_TX_g4502a-20160128	1 Mb
11	mRNAArray_TX_ht_hg_u133a-20160128	0.7 Mb
12	Mutation-20160128	77.3 Mb
13	RNASeq2GeneNorm-20160128	1.2 Mb
14	RNASeqGene-20160128	1.1 Mb
15	RPPAArray-20160128	0 Mb

Overall survival time-to-event summary (in years):

```

Call: survfit(formula = survival::Surv(colDat$days_to_death/365, colDat$vital_status - 1)

```

```

      289 observations deleted due to missingness
      n events median 0.95LCL 0.95UCL
215.00 215.00   1.51   1.25   1.88

```

Available sample meta-data:

years_to_birth:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
39.00	62.00	68.00	67.26	73.00	90.00	10

vital_status:

0	1
284	220

days_to_death:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1.0	280.0	550.0	872.3	1110.5	5287.0	289

days_to_last_followup:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0	394	757	1049	1374	4765	221

tumor_tissue_site:

lung
504

pathology_N_stage:

n0	n1	n2	n3	nx
320	133	40	5	6

gender:

female	male
131	373

date_of_initial_pathologic_diagnosis:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1992	2005	2009	2008	2011	2013	25

days_to_last_known_alive:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
4.0	298.8	706.0	904.8	1051.8	3724.0	436

radiation_therapy:

no	yes	NA's
387	53	64

karnofsky_performance_score:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0.0	0.0	80.0	60.3	90.0	100.0	338

histological_type:

lung basaloid squamous cell carcinoma	15
lung papillary squamous cell carcinoma	6
lung small cell squamous cell carcinoma	1
lung squamous cell carcinoma- not otherwise specified (nos)	

482

number_pack_years_smoked:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1.00	31.12	50.00	52.91	64.50	240.00	77

year_of_tobacco_smoking_onset:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1933	1952	1960	1960	1968	1997	183

residual_tumor:

r0	r1	r2	rx	NA's
401	12	4	23	64

race:

asian	black or african american	white
9	31	351
NA's		
113		

ethnicity:

hispanic or latino	not hispanic or latino	NA's
8	319	177

admin.bcr:

nationwide children's hospital	504
--------------------------------	-----

admin.day_of_dcc_upload:

1	27
503	1

admin.disease_code:

lusc	504
------	-----

admin.month_of_dcc_upload:

2	10
1	503

admin.patient_withdrawal.withdrawn:

false	504
-------	-----

admin.project_code:

tcga	NA's
503	1

admin.year_of_dcc_upload:

2014	2015
1	503

```

patient.age_at_initial_pathologic_diagnosis:
  Min. 1st Qu.  Median    Mean 3rd Qu.  Max.    NA's
  39.00  62.00  68.00  67.28  73.00  90.00    9

patient.clinical_cqcf.consent_or_death_status:
  consented  deceased    NA's
         420         83         1

patient.clinical_cqcf.days_to_consent:
  Min. 1st Qu.  Median    Mean 3rd Qu.  Max.    NA's
 -58.00  -1.00    0.00  64.95  30.00 4825.00  105

patient.clinical_cqcf.days_to_death:
  Min. 1st Qu.  Median    Mean 3rd Qu.  Max.    NA's
   5.0  282.5  669.0  938.6 1345.0 3600.0  425

patient.clinical_cqcf.history_of_neoadjuvant_treatment:
                                     no
                                     499
  yes, pharmaceutical treatment prior to resection
                                     4
                                     NA's
                                     1

patient.clinical_cqcf.history_of_prior_malignancy:
                                     no
                                     434
                                     yes, history of prior malignancy
                                     61
  yes, history of synchronous and or bilateral malignancy
                                     6
                                     NA's
                                     3

patient.clinical_cqcf.normal_tissue_anatomic_site:
  bronchus    lung    other    NA's
         1    203    66    234

patient.clinical_cqcf.normal_tissue_proximity:
  adjacent (< or = 2cm)    distal (>2cm)    NA's
                 3                 63    438

patient.clinical_cqcf.tumor_type:

```

primary
504

patient.day_of_form_completion:
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
1.00 7.00 13.00 14.05 20.00 31.00 6

patient.days_to_birth:
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
-32872 -26974 -25060 -24754 -22801 -14345 10

patient.days_to_death:
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
1.0 212.8 517.5 848.0 1112.2 5287.0 346

patient.days_to_initial_pathologic_diagnosis:
0 NA's
479 25

patient.days_to_last_followup:
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
-10.0 37.0 211.0 591.2 889.0 4299.0 119

patient.days_to_last_known_alive:
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
4.0 298.8 706.0 904.8 1051.8 3724.0 436

patient.diagnosis:
lung squamous cell carcinoma
504

patient.dlco_predictive_percent:
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
0.00 55.00 69.00 67.19 81.00 142.00 344

patient.drugs.drug.10.bcr_drug_barcode:
tcga-39-5029-d8466 NA's
1 503

patient.drugs.drug.10.bcr_drug_uuid:
951e4ab1-1010-4a41-b6e0-933cd2388dd0 NA's
1 503

patient.drugs.drug.10.day_of_form_completion:
11 NA's
1 503

patient.drugs.drug.10.days_to_drug_therapy_end:
211 NA's
1 503

patient.drugs.drug.10.days_to_drug_therapy_start:

```
140 NA's
  1 503

patient.drugs.drug.10.drug_name:
docetaxel      NA's
  1      503

patient.drugs.drug.10.month_of_form_completion:
  2 NA's
  1 503

patient.drugs.drug.10.number_cycles:
  4 NA's
  1 503

patient.drugs.drug.10.prescribed_dose:
150 NA's
  1 503

patient.drugs.drug.10.prescribed_dose_units:
  mg NA's
  1 503

patient.drugs.drug.10.regimen_indication:
adjuvant      NA's
  1      503

patient.drugs.drug.10.regimen_number:
  1 NA's
  1 503

patient.drugs.drug.10.route_of_administrations.route_of_administration:
intravenous (iv)      NA's
  1      503

patient.drugs.drug.10.therapy_ongoing:
  no NA's
  1 503

patient.drugs.drug.10.therapy_types.therapy_type:
chemotherapy      NA's
  1      503

patient.drugs.drug.10.total_dose:
600 NA's
  1 503

patient.drugs.drug.10.total_dose_units:
  mg NA's
  1 503

patient.drugs.drug.10.year_of_form_completion:
```

2011 NA's
 1 503

patient.drugs.drug.11.bcr_drug_barcode:
 tcga-39-5029-d8467 NA's
 1 503

patient.drugs.drug.11.bcr_drug_uuid:
 ea26fa13-0c52-40b7-87b0-a485d962a0bf NA's
 1 503

patient.drugs.drug.11.day_of_form_completion:
 11 NA's
 1 503

patient.drugs.drug.11.days_to_drug_therapy_end:
 535 NA's
 1 503

patient.drugs.drug.11.days_to_drug_therapy_start:
 514 NA's
 1 503

patient.drugs.drug.11.drug_name:
 pemetrexed NA's
 1 503

patient.drugs.drug.11.month_of_form_completion:
 2 NA's
 1 503

patient.drugs.drug.11.number_cycles:
 2 NA's
 1 503

patient.drugs.drug.11.prescribed_dose:
 1000 NA's
 1 503

patient.drugs.drug.11.prescribed_dose_units:
 mg NA's
 1 503

patient.drugs.drug.11.regimen_indication:
 recurrence NA's
 1 503

patient.drugs.drug.11.regimen_number:
 1 NA's
 1 503

patient.drugs.drug.11.route_of_administrations.route_of_administration:

intravenous (iv)		NA's	
	1		503
patient.drugs.drug.11.therapy_ongoing:			
		no NA's	
	1		503
patient.drugs.drug.11.therapy_types.therapy_type:			
chemotherapy		NA's	
	1		503
patient.drugs.drug.11.total_dose:			
		2000 NA's	
	1		503
patient.drugs.drug.11.total_dose_units:			
		mg NA's	
	1		503
patient.drugs.drug.11.year_of_form_completion:			
		2011 NA's	
	1		503
patient.drugs.drug.12.bcr_drug_barcode:			
tcga-39-5029-d8480		NA's	
	1		503
patient.drugs.drug.12.bcr_drug_uuid:			
cd41f6fc-2fb2-4ca0-8b57-cbe1d5d6a05d			NA's
	1		503
patient.drugs.drug.12.day_of_form_completion:			
		11 NA's	
	1		503
patient.drugs.drug.12.days_to_drug_therapy_end:			
		707 NA's	
	1		503
patient.drugs.drug.12.days_to_drug_therapy_start:			
		707 NA's	
	1		503
patient.drugs.drug.12.drug_name:			
carboplatin		NA's	
	1		503
patient.drugs.drug.12.month_of_form_completion:			
		2 NA's	
	1		503
patient.drugs.drug.12.number_cycles:			

```

1 NA's
1 503

patient.drugs.drug.12.prescribed_dose:
180 NA's
1 503

patient.drugs.drug.12.prescribed_dose_units:
mg NA's
1 503

patient.drugs.drug.12.regimen_indication:
palliative NA's
1 503

patient.drugs.drug.12.regimen_number:
2 NA's
1 503

patient.drugs.drug.12.route_of_administrations.route_of_administration:
intravenous (iv) NA's
1 503

patient.drugs.drug.12.therapy_ongoing:
no NA's
1 503

patient.drugs.drug.12.therapy_types.therapy_type:
chemotherapy NA's
1 503

patient.drugs.drug.12.total_dose:
180 NA's
1 503

patient.drugs.drug.12.total_dose_units:
mg NA's
1 503

patient.drugs.drug.12.year_of_form_completion:
2011 NA's
1 503

patient.drugs.drug.2.day_of_form_completion:
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
1.00 6.00 16.00 15.26 23.50 31.00 385

patient.drugs.drug.2.days_to_drug_therapy_end:
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
42.0 120.0 153.0 278.1 212.0 2021.0 389

```

patient.drugs.drug.2.days_to_drug_therapy_start:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
13.0	49.0	82.0	201.5	129.0	1995.0	385

patient.drugs.drug.2.measure_of_response:

clinical progressive disease	complete response
10	45
partial response	stable disease
1	3
NA's	
445	

patient.drugs.drug.2.month_of_form_completion:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1.000	4.000	7.000	6.967	10.000	12.000	384

patient.drugs.drug.2.number_cycles:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1.000	2.000	3.500	3.368	4.000	9.000	466

patient.drugs.drug.2.prescribed_dose_units:

auc	mg	mg/day	mg/m2	NA's
1	18	3	8	474

patient.drugs.drug.2.regimen_indication_notes:

consolidative	neo-adjuvant
1	3
progression of small cell carcinoma	NA's
1	499

patient.drugs.drug.2.regimen_number:

1	2	3	4	NA's
26	6	1	2	469

patient.drugs.drug.2.route_of_administrations.route_of_administration:

intravenous (iv)	oral	NA's
35	1	468

patient.drugs.drug.2.therapy_ongoing:

no	yes	NA's
117	2	385

patient.drugs.drug.2.therapy_types.therapy_type:

chemotherapy	vaccine	NA's
119	1	384

patient.drugs.drug.2.total_dose:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
------	---------	--------	------	---------	------	------

88.0 196.0 457.5 1606.1 1185.0 20800.0 480

patient.drugs.drug.2.total_dose_units:

mg mg/m2 NA's
21 4 479

patient.drugs.drug.2.tx_on_clinical_trial:

no yes NA's
74 3 427

patient.drugs.drug.2.year_of_form_completion:

Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
2010 2011 2013 2012 2013 2015 384

patient.drugs.drug.3.clinical_trial_drug_classification:

mage/a3 NA's
1 503

patient.drugs.drug.3.day_of_form_completion:

Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
4.00 6.75 15.00 15.03 21.75 31.00 468

patient.drugs.drug.3.days_to_drug_therapy_end:

Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
24.0 150.0 259.0 493.8 710.8 2062.0 470

patient.drugs.drug.3.days_to_drug_therapy_start:

Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
14.0 91.0 182.0 424.7 627.5 2036.0 469

patient.drugs.drug.3.measure_of_response:

clinical progressive disease complete response
10 2
NA's
492

patient.drugs.drug.3.month_of_form_completion:

Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
1.000 3.750 6.000 6.556 10.000 12.000 468

patient.drugs.drug.3.number_cycles:

Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
1.000 2.000 2.000 2.882 4.000 10.000 487

patient.drugs.drug.3.prescribed_dose:

Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
4.78 75.00 90.00 221.19 200.00 1178.00 489

patient.drugs.drug.3.prescribed_dose_units:

mg	mg/day	mg/m2	NA's
8	4	3	489

patient.drugs.drug.3.regimen_indication_notes:		
consolidative	1	neo-adjuvant
recurrence of small cell carcinoma	1	2
		NA's
		500

patient.drugs.drug.3.regimen_number:							
Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's	
1.000	1.000	1.000	1.882	2.000	5.000	487	

patient.drugs.drug.3.route_of_administrations.route_of_administration:			
intravenous (iv)	14	oral	3
			NA's
			487

patient.drugs.drug.3.therapy_ongoing:			
no	yes	NA's	
35	1	468	

patient.drugs.drug.3.therapy_types.therapy_type:				
ancillary	chemotherapy	vaccine	NA's	
1	32	1	470	

patient.drugs.drug.3.total_dose:							
Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's	
26.68	191.25	340.00	327.17	400.00	750.00	494	

patient.drugs.drug.3.total_dose_units:			
mg	mg/m2	NA's	
8	3	493	

patient.drugs.drug.3.tx_on_clinical_trial:			
no	yes	NA's	
14	1	489	

patient.drugs.drug.3.year_of_form_completion:							
Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's	
2010	2011	2012	2012	2013	2014	468	

patient.drugs.drug.4.day_of_form_completion:							
Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's	
4.00	6.50	13.00	13.55	17.75	31.00	482	

patient.drugs.drug.4.days_to_drug_therapy_end:							
Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's	
47.0	160.5	491.0	451.3	677.0	986.0	482	

patient.drugs.drug.4.days_to_drug_therapy_start:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
14.0	107.0	349.0	384.4	588.0	915.0	483

patient.drugs.drug.4.measure_of_response:

clinical progressive disease	complete response
6	1
NA's	
497	

patient.drugs.drug.4.month_of_form_completion:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1.000	3.000	5.500	5.591	7.750	12.000	482

patient.drugs.drug.4.number_cycles:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1.000	2.000	3.500	3.143	4.000	6.000	490

patient.drugs.drug.4.prescribed_dose:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1.0	75.0	90.0	141.3	175.0	500.0	495

patient.drugs.drug.4.prescribed_dose_units:

g/day	mg mg/day	mg/m2	NA's
1	4	1	3
			495

patient.drugs.drug.4.regimen_indication_notes:

neo-adjuvant recurrence of small cell carcinoma	1
NA's	
	502

patient.drugs.drug.4.regimen_number:

1	2	NA's
5	7	492

patient.drugs.drug.4.route_of_administrations.route_of_administration:

intravenous (iv)	oral	NA's
11	1	492

patient.drugs.drug.4.therapy_ongoing:

no	NA's
22	482

patient.drugs.drug.4.therapy_types.therapy_type:

chemotherapy	NA's
22	482

patient.drugs.drug.4.total_dose:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
------	---------	--------	------	---------	------	------

recurrence								NA's
	2							496

patient.drugs.drug.5.regimen_indication_notes:
neo-adjuvant
1
progression of small cell lung carcinoma
1
NA's
502

patient.drugs.drug.5.regimen_number:								
	1	2	3	5	NA's			
	2	3	1	1	497			

patient.drugs.drug.5.route_of_administrations.route_of_administration:								
intravenous (iv)			oral					NA's
	5		1					498

patient.drugs.drug.5.therapy_ongoing:								
no	yes	NA's						
10	1	493						

patient.drugs.drug.5.therapy_types.therapy_type:								
	chemotherapy	targeted	molecular	therapy				
	10			1				
	NA's							
	493							

patient.drugs.drug.5.total_dose:								
600	1600	19500	NA's					
2	1	1	500					

patient.drugs.drug.5.total_dose_units:								
mg	NA's							
4	500							

patient.drugs.drug.5.tx_on_clinical_trial:								
no	NA's							
3	501							

patient.drugs.drug.5.year_of_form_completion:								
Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's		
2010	2011	2012	2012	2012	2014	493		

patient.drugs.drug.6.day_of_form_completion:								
Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's		
4.00	7.25	10.00	12.12	13.75	29.00	496		

patient.drugs.drug.6.days_to_drug_therapy_end:								
--	--	--	--	--	--	--	--	--

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
24.0	293.5	492.0	581.0	671.0	1778.0	496

patient.drugs.drug.6.days_to_drug_therapy_start:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
24.0	234.0	447.5	514.6	600.0	1594.0	496

patient.drugs.drug.6.measure_of_response:

clinical progressive disease						NA's
			1			503

patient.drugs.drug.6.month_of_form_completion:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1.00	2.75	4.00	4.50	6.50	8.00	496

patient.drugs.drug.6.number_cycles:

1	2	3	4	NA's
1	2	1	2	498

patient.drugs.drug.6.prescribed_dose:

75	200	551	1800	NA's
1	1	1	1	500

patient.drugs.drug.6.prescribed_dose_units:

g/day	mg	mg/m2	NA's
1	3	1	499

patient.drugs.drug.6.regimen_indication:

adjuvant	other: specify in notes	progression
2	1	2
recurrence	NA's	
2	497	

patient.drugs.drug.6.regimen_indication_notes:

progression of small cell carcinoma	NA's
1	503

patient.drugs.drug.6.regimen_number:

1	2	3	4	NA's
3	2	1	1	497

patient.drugs.drug.6.route_of_administrations.route_of_administration:

intravenous (iv)	oral	NA's
5	1	498

patient.drugs.drug.6.therapy_ongoing:

no NA's
8 496

patient.drugs.drug.6.therapy_types.therapy_type:

chemotherapy	NA's
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7 497

patient.drugs.drug.6.total_dose:

160	600	2204	3600	NA's
1	1	1	1	500

patient.drugs.drug.6.total_dose_units:

mg	NA's
4	500

patient.drugs.drug.6.tx_on_clinical_trial:

yes	NA's
1	503

patient.drugs.drug.6.year_of_form_completion:

2011	2012	2014	NA's
4	3	1	496

patient.drugs.drug.7.day_of_form_completion:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
4.00	7.25	10.00	12.12	13.75	29.00	496

patient.drugs.drug.7.days_to_drug_therapy_end:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
154.0	413.5	633.0	570.9	698.0	986.0	497

patient.drugs.drug.7.days_to_drug_therapy_start:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
93.0	423.2	609.0	552.8	687.2	915.0	496

patient.drugs.drug.7.measure_of_response:

clinical	progressive	disease	NA's
1			503

patient.drugs.drug.7.month_of_form_completion:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1.00	2.75	4.00	4.50	6.50	8.00	496

patient.drugs.drug.7.number_cycles:

1	3	4	NA's
1	2	3	498

patient.drugs.drug.7.prescribed_dose:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
6.0	100.0	400.0	835.2	1770.0	1900.0	499

patient.drugs.drug.7.prescribed_dose_units:

mg	mg/m2	mg/ml	NA's
3	1	1	499

patient.drugs.drug.7.regimen_indication_notes:

recurrence of small cell carcinoma	NA's
1	503

patient.drugs.drug.7.regimen_number:

1	2	3	4	NA's
2	2	2	1	497

patient.drugs.drug.7.route_of_administrations.route_of_administration:

intravenous (iv)	oral	NA's
6	1	497

patient.drugs.drug.7.therapy_ongoing:

no NA's
8 496

patient.drugs.drug.7.therapy_types.therapy_type:

chemotherapy	NA's
8	496

patient.drugs.drug.7.total_dose:

300	850	1900	14000	NA's
1	1	1	1	500

patient.drugs.drug.7.total_dose_units:

mg NA's
4 500

patient.drugs.drug.7.tx_on_clinical_trial:

no NA's
1 503

patient.drugs.drug.7.year_of_form_completion:

2011	2012	2014	NA's
4	3	1	496

patient.drugs.drug.8.bcr_drug_barcode:

tcga-22-4595-d14621	tcga-22-5472-d15157	tcga-39-5029-d8478	tcga-56-7579-d72569
1	1	1	1
NA's			
500			

patient.drugs.drug.8.bcr_drug_uuid:

04a0b97f-9d27-4269-a5fa-b49c14900882	1cb0d459-7478-4201-812e-9faa07052a89
1	1
516143b0-8dc2-47af-89fb-fa266890d325	b3ff04b9-6349-4655-a20e-6686a903e29d
1	1
NA's	
500	


```

patient.drugs.drug.8.day_of_form_completion:
  4  11  12  21 NA's
  1  1  1  1  500

patient.drugs.drug.8.days_to_drug_therapy_end:
  637  707  710 1307 NA's
  1  1  1  1  500

patient.drugs.drug.8.days_to_drug_therapy_start:
  585  609  707 1221 NA's
  1  1  1  1  500

patient.drugs.drug.8.drug_name:
  azd6244 carboplatin  cetuximab  ironotecan  NA's
           1           1           1           1           500

patient.drugs.drug.8.measure_of_response:
  clinical progressive disease  NA's
                               1           503

patient.drugs.drug.8.month_of_form_completion:
  2  7  8 NA's
  1  1  2  500

patient.drugs.drug.8.number_cycles:
  1  2  4 NA's
  1  1  1  501

patient.drugs.drug.8.prescribed_dose:
  5  60  460 NA's
  1  1  1  501

patient.drugs.drug.8.prescribed_dose_units:
  auc  mg mg/m2  NA's
  1  1  1  501

patient.drugs.drug.8.regimen_indication:
  other: specify in notes  palliative  NA's
                           1           2           501

patient.drugs.drug.8.regimen_indication_notes:
  recurrence of small cell carcinoma  NA's
                                       1           503

patient.drugs.drug.8.regimen_number:
  2  3 NA's
  2  1  501

patient.drugs.drug.8.route_of_administrations.route_of_administration:
  intravenous (iv)  NA's
                   3  501

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patient.drugs.drug.8.therapy_ongoing:

no NA's
4 500

patient.drugs.drug.8.therapy_types.therapy_type:

chemotherapy NA's
3 501

patient.drugs.drug.8.total_dose:

10 460 NA's
1 1 502

patient.drugs.drug.8.total_dose_units:

auc mg NA's
1 1 502

patient.drugs.drug.8.tx_on_clinical_trial:

yes NA's
1 503

patient.drugs.drug.8.year_of_form_completion:

2011 2015 NA's
3 1 500

patient.drugs.drug.9.bcr_drug_barcode:

tcga-39-5029-d8475 NA's
1 503

patient.drugs.drug.9.bcr_drug_uuid:

9f10ef1f-7ald-429e-b23c-e96c5c0370f8 NA's
1 503

patient.drugs.drug.9.day_of_form_completion:

11 NA's
1 503

patient.drugs.drug.9.days_to_drug_therapy_end:

672 NA's
1 503

patient.drugs.drug.9.days_to_drug_therapy_start:

672 NA's
1 503

patient.drugs.drug.9.drug_name:

vinorelbine tartrate NA's
1 503

patient.drugs.drug.9.month_of_form_completion:

2 NA's
1 503

patient.drugs.drug.9.number_cycles:

1 NA's
1 503

patient.drugs.drug.9.prescribed_dose:

47 NA's
1 503

patient.drugs.drug.9.prescribed_dose_units:

mg NA's
1 503

patient.drugs.drug.9.regimen_indication:

palliative NA's
1 503

patient.drugs.drug.9.regimen_number:

1 NA's
1 503

patient.drugs.drug.9.route_of_administrations.route_of_administration:

intravenous (iv) NA's
1 503

patient.drugs.drug.9.therapy_ongoing:

no NA's
1 503

patient.drugs.drug.9.therapy_types.therapy_type:

chemotherapy NA's
1 503

patient.drugs.drug.9.total_dose:

47 NA's
1 503

patient.drugs.drug.9.total_dose_units:

mg NA's
1 503

patient.drugs.drug.9.year_of_form_completion:

2011 NA's
1 503

patient.drugs.drug.clinical_trail_drug_classification:

antigen specific cancer immunotherapeutic therapy
1
NA's
503

patient.drugs.drug.day_of_form_completion:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1.00	6.00	16.00	15.15	24.00	31.00	361

patient.drugs.drug.days_to_drug_therapy_end:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
42.0	125.0	153.0	266.8	218.2	2016.0	376

patient.drugs.drug.days_to_drug_therapy_start:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
13.0	49.5	82.0	194.6	128.0	1903.0	365

patient.drugs.drug.measure_of_response:

clinical progressive disease	complete response
13	48
partial response	stable disease
2	3
NA's	
438	

patient.drugs.drug.month_of_form_completion:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1.000	4.000	7.000	6.938	10.000	12.000	360

patient.drugs.drug.number_cycles:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1.000	2.000	4.000	3.489	4.000	7.000	457

patient.drugs.drug.regimen_indication_notes:

neo-adjuvant recurrence of small cell carcinoma
2
NA's
501

patient.drugs.drug.regimen_number:

1	2	3	NA's
40	3	2	459

patient.drugs.drug.route_of_administrations.route_of_administration:

intramuscular (im)	intravenous (iv)	oral	NA's
2	41	1	460

patient.drugs.drug.therapy_ongoing:

no	yes	NA's
131	8	365

patient.drugs.drug.therapy_types.therapy_type:

chemotherapy	other, specify	vaccine	NA's
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	141		2		1		360
--	-----	--	---	--	---	--	-----

patient.drugs.drug.therapy_types.therapy_type_notes:

mage3-as15-nsc-003			vaccine				NA's
	1			1			502

patient.drugs.drug.total_dose:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
4.00	92.75	407.50	1277.96	1640.00	8950.00	480

patient.drugs.drug.tx_on_clinical_trial:

no	yes	NA's
85	3	416

patient.drugs.drug.year_of_form_completion:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
2003	2011	2012	2012	2013	2015	360

patient.eastern_cancer_oncology_group:

0	1	2	3	NA's
70	93	26	5	310

patient.egfr_mutation_performed:

no	yes	NA's
278	21	205

patient.egfr_mutation_result:

l858r	other	NA's
1	1	502

patient.eml4_alk_translocation_method:

fish	NA's
4	500

patient.eml4_alk_translocation_performed:

no	yes	NA's
278	9	217

patient.ethnicity:

hispanic or latino	not hispanic or latino	NA's
	8	319
		177

patient.follow_ups.follow_up.2.additional_pharmaceutical_therapy:

no	yes	NA's
10	12	482

patient.follow_ups.follow_up.2.additional_radiation_therapy:

no	yes	NA's
15	9	480

patient.follow_ups.follow_up.2.additional_surgery_locoregional_procedure:

no yes NA's
13 4 487

patient.follow_ups.follow_up.2.additional_surgery_metastatic_procedure:
no NA's
10 494

patient.follow_ups.follow_up.2.day_of_form_completion:
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
1.00 7.00 16.00 14.97 22.00 31.00 391

patient.follow_ups.follow_up.2.days_to_additional_surgery_locoregional_procedure:
428 838 1433 1693 NA's
1 1 1 1 500

patient.follow_ups.follow_up.2.days_to_death:
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
299.0 686.2 924.0 1303.0 1858.8 3924.0 480

patient.follow_ups.follow_up.2.days_to_last_followup:
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
122.0 845.5 1259.0 1542.1 1986.0 4765.0 413

patient.follow_ups.follow_up.2.days_to_new_tumor_event_after_initial_treatment:
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
159.0 546.0 830.5 1210.5 1570.8 4471.0 480

patient.follow_ups.follow_up.2.eastern_cancer_oncology_group:
0 1 2 3 NA's
15 7 5 2 475

patient.follow_ups.follow_up.2.followup_case_report_form_submission_reason:
additional new tumor event scheduled follow-up submission
7 91
NA's
406

patient.follow_ups.follow_up.2.followup_treatment_success:
complete remission/response progressive disease
56 12
stable disease NA's
2 434

patient.follow_ups.follow_up.2.karnofsky_performance_score:
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
0.00 72.50 90.00 77.33 100.00 100.00 474

patient.follow_ups.follow_up.2.lost_follow_up:
no yes NA's
84 8 412

patient.follow_ups.follow_up.2.month_of_form_completion:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 1.000 3.000 6.000 5.442 8.000 12.000 391

patient.follow_ups.follow_up.2.new_neoplasm_event_types.new_neoplasm_event_type:
 distant metastasis locoregional recurrence new primary tumor
 3 6 6
 NA's
 489

patient.follow_ups.follow_up.2.new_neoplasm_event_types.new_neoplasm_event_type.
 new primary tumor NA's
 1 503

patient.follow_ups.follow_up.2.new_tumor_event_after_initial_treatment:
 no yes NA's
 68 24 412

patient.follow_ups.follow_up.2.performance_status_scale_timing:
 adjuvant therapy other post-adjuvant therapy
 3 10 19
 pre-operative NA's
 3 469

patient.follow_ups.follow_up.2.person_neoplasm_cancer_status:
 tumor free with tumor NA's
 69 17 418

patient.follow_ups.follow_up.2.primary_therapy_outcome_success:
 complete remission/response partial remission/response
 90 1
 progressive disease stable disease
 3 1
 NA's
 409

patient.follow_ups.follow_up.2.progression_determined_by_list.progression_determin
 biopsy with histologic confirmation convincing imaging
 6 4
 NA's
 494

patient.follow_ups.follow_up.2.progression_determined_by_list.progression_determin
 convincing imaging NA's
 2 502

patient.follow_ups.follow_up.2.radiation_therapy:
 no yes NA's
 88 9 407

patient.follow_ups.follow_up.2.targeted_molecular_therapy:

no yes NA's
62 35 407

patient.follow_ups.follow_up.2.vital_status:
alive dead NA's
85 24 395

patient.follow_ups.follow_up.2.year_of_form_completion:
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
2010 2013 2013 2013 2015 2015 391

patient.follow_ups.follow_up.3.additional_pharmaceutical_therapy:
no yes NA's
2 2 500

patient.follow_ups.follow_up.3.additional_radiation_therapy:
no yes NA's
3 1 500

patient.follow_ups.follow_up.3.additional_surgery_locoregional_procedure:
no NA's
2 502

patient.follow_ups.follow_up.3.additional_surgery_metastatic_procedure:
no NA's
3 501

patient.follow_ups.follow_up.3.day_of_form_completion:
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
4.00 17.00 23.00 20.56 25.00 31.00 495

patient.follow_ups.follow_up.3.days_to_death:
408 951 1190 NA's
1 1 1 501

patient.follow_ups.follow_up.3.days_to_last_followup:
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
559.0 840.5 1113.0 1088.6 1191.5 1884.0 497

patient.follow_ups.follow_up.3.days_to_new_tumor_event_after_initial_treatment:
237 556 632 898 NA's
1 1 1 1 500

patient.follow_ups.follow_up.3.followup_case_report_form_submission_reason:
additional new tumor event scheduled follow-up submission
2 6
NA's
496

patient.follow_ups.follow_up.3.followup_treatment_success:

complete remission/response	progressive disease
3	4
NA's	
497	

patient.follow_ups.follow_up.3.karnofsky_performance_score:
 100 NA's
 1 503

patient.follow_ups.follow_up.3.lost_follow_up:
 no NA's
 8 496

patient.follow_ups.follow_up.3.month_of_form_completion:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 1.000 3.000 4.000 6.222 10.000 12.000 495

patient.follow_ups.follow_up.3.new_neoplasm_event_types.new_neoplasm_event_type:							
distant metastasis	locoregional	recurrence					NA's
2		1					501

patient.follow_ups.follow_up.3.new_tumor_event_after_initial_treatment:
 no yes NA's
 4 4 496

patient.follow_ups.follow_up.3.person_neoplasm_cancer_status:
 tumor free with tumor NA's
 3 4 497

patient.follow_ups.follow_up.3.primary_therapy_outcome_success:	
complete remission/response	progressive disease
6	1
NA's	
497	

patient.follow_ups.follow_up.3.progression_determined_by_list.progression_determin		
biopsy with histologic confirmation	convincing imaging	
1	2	
NA's		
501		

patient.follow_ups.follow_up.3.progression_determined_by_list.progression_determin	
convincing imaging	NA's
1	503

patient.follow_ups.follow_up.3.radiation_therapy:
 no yes NA's
 6 1 497

patient.follow_ups.follow_up.3.targeted_molecular_therapy:
 no yes NA's
 3 4 497

patient.follow_ups.follow_up.3.vital_status:

alive	dead	NA's
6	3	495

patient.follow_ups.follow_up.3.year_of_form_completion:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
2010	2013	2014	2013	2015	2015	495

patient.follow_ups.follow_up.4.additional_pharmaceutical_therapy:

no NA's
1 503

patient.follow_ups.follow_up.4.additional_radiation_therapy:

no NA's
1 503

patient.follow_ups.follow_up.4.additional_surgery_locoregional_procedure:

no NA's
1 503

patient.follow_ups.follow_up.4.bcr_followup_barcode:

tcga-la-a7sw-f67139	tcga-nc-a5hp-f69354	NA's
1	1	502

patient.follow_ups.follow_up.4.bcr_followup_uuid:

865fd90b-cbfb-4efc-b390-d42dbb4358e1	b9137785-c2f3-4344-881f-8f52eff6082a
1	1
NA's	
502	

patient.follow_ups.follow_up.4.day_of_form_completion:

7	31	NA's
1	1	502

patient.follow_ups.follow_up.4.days_to_death:

408	770	NA's
1	1	502

patient.follow_ups.follow_up.4.days_to_new_tumor_event_after_initial_treatment:

311	NA's
1	503

patient.follow_ups.follow_up.4.followup_case_report_form_submission_reason:

additional	new	tumor	event	scheduled	follow-up	submission
				1		1
				NA's		
				502		

patient.follow_ups.follow_up.4.followup_treatment_success:

progressive	disease	NA's
1		503

patient.follow_ups.follow_up.4.lost_follow_up:
 no NA's
 2 502

patient.follow_ups.follow_up.4.month_of_form_completion:
 1 10 NA's
 1 1 502

patient.follow_ups.follow_up.4.new_neoplasm_event_types.new_neoplasm_event_type:
 locoregional recurrence NA's
 1 503

patient.follow_ups.follow_up.4.new_tumor_event_after_initial_treatment:
 no yes NA's
 1 1 502

patient.follow_ups.follow_up.4.person_neoplasm_cancer_status:
 with tumor NA's
 1 503

patient.follow_ups.follow_up.4.primary_therapy_outcome_success:
 progressive disease NA's
 1 503

patient.follow_ups.follow_up.4.progression_determined_by_list.progression_determined_by_list:
 convincing imaging NA's
 1 503

patient.follow_ups.follow_up.4.radiation_therapy:
 no NA's
 1 503

patient.follow_ups.follow_up.4.targeted_molecular_therapy:
 yes NA's
 1 503

patient.follow_ups.follow_up.4.vital_status:
 dead NA's
 2 502

patient.follow_ups.follow_up.4.year_of_form_completion:
 2014 2015 NA's
 1 1 502

patient.follow_ups.follow_up.additional_pharmaceutical_therapy:
 no yes NA's
 95 34 375

patient.follow_ups.follow_up.additional_radiation_therapy:
 no yes NA's
 93 34 377

patient.follow_ups.follow_up.additional_surgery_locoregional_procedure:
 no yes NA's
 74 10 420

patient.follow_ups.follow_up.additional_surgery_metastatic_procedure:
 no yes NA's
 57 11 436

patient.follow_ups.follow_up.day_of_form_completion:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 1.0 8.5 15.0 15.7 23.0 31.0 61

patient.follow_ups.follow_up.days_to_additional_surgery_locoregional_procedure:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 229.0 701.8 1175.5 1104.4 1605.5 1788.0 494

patient.follow_ups.follow_up.days_to_additional_surgery_metastatic_procedure:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 178.0 330.2 436.0 594.6 580.2 2215.0 494

patient.follow_ups.follow_up.days_to_death:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 3.0 295.2 541.0 859.4 1104.5 5287.0 346

patient.follow_ups.follow_up.days_to_last_followup:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 -9.0 395.0 642.0 920.4 1092.0 4694.0 191

patient.follow_ups.follow_up.days_to_new_tumor_event_after_initial_treatment:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 103.0 263.0 427.0 631.2 760.0 2923.0 407

patient.follow_ups.follow_up.eastern_cancer_oncology_group:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 0.0000 0.0000 1.0000 0.8807 1.0000 4.0000 395

patient.follow_ups.follow_up.followup_case_report_form_submission_reason:
 additional new tumor event scheduled follow-up submission
 2 337
 NA's
 165

patient.follow_ups.follow_up.followup_treatment_success:
 complete remission/response partial remission/response
 165 2
 progressive disease stable disease
 59 13
 NA's
 265

patient.follow_ups.follow_up.karnofsky_performance_score:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 0.00 0.00 80.00 54.17 100.00 100.00 396

patient.follow_ups.follow_up.lost_follow_up:
 no yes NA's
 237 37 230

patient.follow_ups.follow_up.month_of_form_completion:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 1.000 4.000 7.000 7.151 11.000 12.000 60

patient.follow_ups.follow_up.new_neoplasm_event_types.new_neoplasm_event_type:
 distant metastasis locoregional recurrence new primary tumor
 25 18 5
 NA's
 456

patient.follow_ups.follow_up.new_neoplasm_event_types.new_neoplasm_event_type.2:
 distant metastasis new primary tumor NA's
 1 1 502

patient.follow_ups.follow_up.new_tumor_event_after_initial_treatment:
 no yes NA's
 270 102 132

patient.follow_ups.follow_up.person_neoplasm_cancer_status:
 tumor free with tumor NA's
 254 91 159

patient.follow_ups.follow_up.primary_therapy_outcome_success:
 complete remission/response partial remission/response
 276 5
 progressive disease stable disease
 25 14
 NA's
 184

patient.follow_ups.follow_up.progression_determined_by_list.progression_determin
 biopsy with histologic confirmation convincing imaging
 15 26
 NA's
 463

patient.follow_ups.follow_up.progression_determined_by_list.progression_determin
 convincing imaging NA's
 5 499

patient.follow_ups.follow_up.progression_determined_by_list.progression_determin
 positive biomarker (s) NA's

1

503

patient.follow_ups.follow_up.radiation_therapy:

no	yes	NA's
349	47	108

patient.follow_ups.follow_up.targeted_molecular_therapy:

no	yes	NA's
276	125	103

patient.follow_ups.follow_up.vital_status:

alive	dead	NA's
271	163	70

patient.follow_ups.follow_up.year_of_form_completion:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
2010	2011	2012	2012	2014	2015	60

patient.gender:

female	male
131	373

patient.histological_type:

lung basaloid squamous cell carcinoma	15
lung papillary squamous cell carcinoma	6
lung small cell squamous cell carcinoma	1
lung squamous cell carcinoma- not otherwise specified (nos)	482

patient.history_of_neoadjuvant_treatment:

no	497
yes	6
yes, pharmaceutical treatment prior to resection	1

patient.informed_consent_verified:

yes
504

patient.karnofsky_performance_score:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0.00	0.00	80.00	57.09	90.00	100.00	401

patient.kras_gene_analysis_performed:

no	yes	NA's
309	11	184

patient.kras_mutation_found:

no	yes	NA's
14	1	489

patient.kras_mutation_result:

other	NA's
1	503

patient.location_in_lung_parenchyma:

central	lung	peripheral	lung	NA's
	147		93	264

patient.month_of_form_completion:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.
1.000	3.000	6.000	5.944	8.000	12.000

patient.new_tumor_events.new_tumor_event.additional_pharmaceutical_therapy:

no	yes	NA's
15	10	479

patient.new_tumor_events.new_tumor_event.additional_radiation_therapy:

no	yes	NA's
11	15	478

patient.new_tumor_events.new_tumor_event.days_to_new_tumor_event_after_initial_t

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
11.0	151.5	295.0	466.4	490.0	2197.0	474

patient.new_tumor_events.new_tumor_event.locoregional_procedure.additional_surge

no	yes	NA's
14	1	489

patient.new_tumor_events.new_tumor_event.locoregional_procedure.days_to_addition

168	NA's
1	503

patient.new_tumor_events.new_tumor_event.metastatic_procedure.additional_surgery

no	yes	NA's
11	1	492

patient.new_tumor_events.new_tumor_event.metastatic_procedure.days_to_additional

453	NA's
1	503

patient.new_tumor_events.new_tumor_event.new_neoplasm_event_types.new_neoplasm_e

distant	metastasis	locoregional	recurrence	new primary tumor
		14		12
				4
		NA's		
		474		

patient.new_tumor_events.new_tumor_event.new_neoplasm_event_types.new_neoplasm_e
distant metastasis NA's
2 502

patient.new_tumor_events.new_tumor_event.progression_determined_by_list.progress
biopsy with histologic confirmation convincing imaging
9 14
NA's
481

patient.new_tumor_events.new_tumor_event.progression_determined_by_list.progress
convincing imaging NA's
3 501

patient.new_tumor_events.new_tumor_event_after_initial_treatment:
no yes NA's
140 30 334

patient.number_pack_years_smoked:
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
1.00 31.12 50.00 52.91 64.50 240.00 77

patient.performance_status_scale_timing:
other post-adjuvant therapy pre-adjuvant therapy
15 12 24
pre-operative NA's
142 311

patient.person_neoplasm_cancer_status:
tumor free with tumor NA's
313 82 109

patient.post_bronchodilator_fev1_fvc_percent:
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
0.00 60.50 70.00 71.76 83.50 121.00 421

patient.post_bronchodilator_fev1_percent:
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
0.00 62.00 76.00 74.61 91.00 140.00 411

patient.pre_bronchodilator_fev1_fvc_percent:
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
0.00 61.00 70.00 69.69 78.00 117.00 341

patient.pre_bronchodilator_fev1_percent:
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
0.00 60.00 72.00 70.94 86.00 132.00 316

patient.primary_therapy_outcome_success:
complete remission/response progressive disease

	115	9
stable disease		NA's
	8	372

patient.prior_dx:

	no	433
	yes	41
	yes, history of prior malignancy	23
	yes, history of synchronous and or bilateral malignancy	6
	NA's	1

patient.pulmonary_function_test_performed:

no	yes	NA's
93	210	201

patient.race:

	asian	black	or african american	white
	9		31	351
	NA's			
	113			

patient.radiation_therapy:

no	yes	NA's
139	15	350

patient.radiations.radiation.2.anatomic_treatment_site:

	distant site	primary tumor field	NA's
	3	2	499

patient.radiations.radiation.2.course_number:

1	2	NA's
3	1	500

patient.radiations.radiation.2.day_of_form_completion:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
3.0	7.0	12.5	14.0	18.0	31.0	498

patient.radiations.radiation.2.days_to_radiation_therapy_end:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
130.0	224.8	305.5	345.2	347.2	771.0	498

patient.radiations.radiation.2.days_to_radiation_therapy_start:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
111.0	173.0	200.0	229.2	325.0	337.0	499

patient.radiations.radiation.2.measure_of_response:
 radiographic progressive disease NA's
 1 503

patient.radiations.radiation.2.month_of_form_completion:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 1.000 2.000 5.500 5.333 8.250 10.000 498

patient.radiations.radiation.2.numfractions:
 6 10 14 33 NA's
 1 2 1 1 499

patient.radiations.radiation.2.radiation_dosage:
 30 2000 2100 3500 NA's
 1 1 1 2 499

patient.radiations.radiation.2.radiation_treatment_ongoing:
 no NA's
 5 499

patient.radiations.radiation.2.radiation_type:
 external external beam NA's
 1 4 499

patient.radiations.radiation.2.regimen_indication:
 adjuvant progression recurrence NA's
 1 2 1 500

patient.radiations.radiation.2.units:
 cgy gy NA's
 4 1 499

patient.radiations.radiation.2.year_of_form_completion:
 2011 2012 2013 2014 NA's
 2 2 1 1 498

patient.radiations.radiation.course_number:
 1 2 NA's
 25 3 476

patient.radiations.radiation.day_of_form_completion:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 2.00 8.50 14.00 14.51 20.00 31.00 437

patient.radiations.radiation.days_to_radiation_therapy_end:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 0.0 118.5 195.0 329.7 409.0 1929.0 441

patient.radiations.radiation.days_to_radiation_therapy_start:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0.0	63.0	160.0	292.6	356.0	1868.0	443

patient.radiations.radiation.measure_of_response:

complete response	12	partial response	2
radiographic progressive disease	10	stable disease	3
NA's	477		

patient.radiations.radiation.month_of_form_completion:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1.000	3.500	6.000	6.731	10.500	12.000	437

patient.radiations.radiation.radiation_dosage:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
8	50	2700	2656	5000	6900	448

patient.radiations.radiation.radiation_treatment_ongoing:

no	yes	NA's
62	2	440

patient.radiations.radiation.radiation_type:

external	external beam	internal
29	27	1
other: specify in notes	NA's	
2	445	

patient.radiations.radiation.radiation_type_notes:

stereotactic radio sugery	NA's
1	503

patient.radiations.radiation.regimen_indication_notes:

palliative for small cell carcinoma	NA's
1	503

patient.radiations.radiation.units:

cgy	gy	NA's
38	19	447

patient.radiations.radiation.year_of_form_completion:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
2010	2011	2012	2012	2013	2015	437

patient.residual_tumor:

r0	r1	r2	rx	NA's
401	12	4	23	64

```
patient.stage_event.tnm_categories.pathologic_categories.pathologic_n:
  n0 n1 n2 n3 nx
  320 133 40 5 6
```

```
patient.stopped_smoking_year:
  Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
  1952 1993 2002 1999 2008 2013 195
```

```
patient.targeted_molecular_therapy:
  no yes NA's
  103 51 350
```

```
patient.tissue_prospective_collection_indicator:
  no yes NA's
  325 172 7
```

```
patient.tissue_retrospective_collection_indicator:
  no yes NA's
  172 325 7
```

```
patient.tumor_tissue_site:
lung
504
```

```
patient.vital_status:
alive dead
343 161
```

```
patient.year_of_form_completion:
2010 2011 2012 2013 2014
83 168 132 104 17
```

```
patient.year_of_initial_pathologic_diagnosis:
  Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
  1992 2005 2009 2008 2011 2013 17
```

```
patient.year_of_tobacco_smoking_onset:
  Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
  1933 1952 1960 1960 1968 1997 183
```

```
patient.bcr_canonical_check.bcr_patient_canonical_reasons.bcr_canonical_reason:
case matched expression control case matched methylation control
                                58                                72
germline comparison                                NA's
                                25                                349
```

```
patient.bcr_canonical_check.bcr_patient_canonical_reasons.bcr_canonical_reason.2
```

case matched methylation control	germline comparison
21	33
NA's	
450	

patient.bcr_canonical_check.bcr_patient_canonical_reasons.bcr_canonical_reason.3	germline comparison	NA's
10	494	

patient.bcr_canonical_check.bcr_patient_canonical_status:	canonical	canonical - plus
	349	155

patient.biospecimen_cqcf.consent_or_death_status:	consented	deceased	NA's
	420	82	2

patient.biospecimen_cqcf.days_to_pathology_review:	Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
	0.00	71.25	550.50	1062.89	1868.00	6501.00	26

patient.biospecimen_cqcf.days_to_sample_procurement:	Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
	-92.00	0.00	0.00	19.65	30.00	792.00	26

patient.biospecimen_cqcf.digital_image_submitted:	no	yes	NA's
	459	44	1

patient.biospecimen_cqcf.ethnicity:	not hispanic or latino	NA's
	60	444

patient.biospecimen_cqcf.frozen_specimen_anatomic_site:	bronchus	lung	other	NA's
	7	461	33	3

patient.biospecimen_cqcf.history_of_neoadjuvant_treatment:	no
	499
yes, pharmaceutical treatment prior to resection	4
	NA's
	1

patient.biospecimen_cqcf.laterality:	left	right	NA's
	209	252	43

patient.biospecimen_cqcf.method_of_sample_procurement:
--

excisional biopsy		other method (please specify)	
	1		77
tumor resection		NA's	
	424		2

patient.biospecimen_cqcf.normal_controls.normal_control.2.days_to_normal_sample_

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
-22.00	0.00	15.00	22.23	35.00	127.00	407

patient.biospecimen_cqcf.normal_controls.normal_control.2.extracted_dna.ncedna_d

0.238	NA's
1	503

patient.biospecimen_cqcf.normal_controls.normal_control.2.extracted_dna.ncedna_d

nanodrop	NA's
1	503

patient.biospecimen_cqcf.normal_controls.normal_control.2.extracted_dna.ncedna_d

20	NA's
1	503

patient.biospecimen_cqcf.normal_controls.normal_control.2.extracted_dna.ncedna_d

84	NA's
1	503

patient.biospecimen_cqcf.normal_controls.normal_control.2.method_of_normal_sampl

blood draw		other method (please specify)	
	36		8
tumor resection		NA's	
	54		406

patient.biospecimen_cqcf.normal_controls.normal_control.2.normal_tissue.normal_t

lung	other	NA's
63	4	437

patient.biospecimen_cqcf.normal_controls.normal_control.2.normal_tissue.normal_t

adjacent (< or = 2cm)	distal (>2cm)	NA's
1	37	466

patient.biospecimen_cqcf.normal_controls.normal_control.2.vial_number:

1	2	NA's
87	13	404

patient.biospecimen_cqcf.normal_controls.normal_control.3.bcr_sample_uuid:

0f621065-6f8f-4f57-8676-4dd855f4b2ed	741080e8-f41a-46e5-827e-7ea5198049f8
	1
	1
	NA's
	502

patient.biospecimen_cqcf.normal_controls.normal_control.3.days_to_normal_sample_

35	37	NA's
----	----	------

1 1 502

patient.biospecimen_cqcf.normal_controls.normal_control.3.method_of_normal_sample
 blood draw tumor resection NA's
 1 1 502

patient.biospecimen_cqcf.normal_controls.normal_control.3.normal_tissue.normal_t
 bronchus NA's
 1 503

patient.biospecimen_cqcf.normal_controls.normal_control.3.normal_tissue.normal_t
 distal (>2cm) NA's
 1 503

patient.biospecimen_cqcf.normal_controls.normal_control.3.vial_number:
 1 3 NA's
 1 1 502

patient.biospecimen_cqcf.normal_controls.normal_control.days_to_normal_sample_pr
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 -92.0 0.0 1.0 22.4 31.0 792.0 27

patient.biospecimen_cqcf.normal_controls.normal_control.extracted_dna.ncedna_dna
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 0.040 0.134 0.301 8.013 0.574 100.000 429

patient.biospecimen_cqcf.normal_controls.normal_control.extracted_dna.ncedna_dna
 nano drop nanodrop spectrophotometry NA's
 5 52 18 429

patient.biospecimen_cqcf.normal_controls.normal_control.extracted_dna.ncedna_dna
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 15.0 20.0 20.0 22.7 26.5 30.0 429

patient.biospecimen_cqcf.normal_controls.normal_control.extracted_dna.ncedna_dna
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 8.356 46.500 100.000 189.990 300.000 600.000 429

patient.biospecimen_cqcf.normal_controls.normal_control.method_of_normal_sample_
 blood draw other method (please specify)
 282 37
 tumor resection NA's
 144 41

patient.biospecimen_cqcf.normal_controls.normal_control.normal_tissue.normal_tis
 lung other NA's
 138 62 304

patient.biospecimen_cqcf.normal_controls.normal_control.normal_tissue.normal_tis
 adjacent (< or = 2cm) distal (>2cm) NA's
 2 24 478

```
patient.biospecimen_cqcf.normal_controls.normal_control.vial_number:
  1     2     3 NA's
469   31     3     1
```

```
patient.biospecimen_cqcf.path_confirm_diagnosis_matching:
  no  yes NA's
  4  460  40
```

```
patient.biospecimen_cqcf.path_confirm_report_attached:
  no  yes NA's
  9  494   1
```

```
patient.biospecimen_cqcf.path_confirm_tumor_necrosis_metrics:
  no  yes NA's
  7  457  40
```

```
patient.biospecimen_cqcf.path_confirm_tumor_nuclei_metrics:
  no  yes NA's
  24  440  40
```

```
patient.biospecimen_cqcf.race:
                asian black or african american                white
                3                16                57
                NA's
                428
```

```
patient.biospecimen_cqcf.reason_path_confirm_diagnosis_not_matching:
pathology analysis at tss determined a specific histological subtype different f
```

```
patient.biospecimen_cqcf.sample_prescreened:
  yes NA's
  503   1
```

```
patient.biospecimen_cqcf.site_of_disease:
bronchus      lung      other      NA's
  7        461        33         3
```

```
patient.biospecimen_cqcf.site_of_disease_description:
lower middle other upper NA's
  183      18      33   260   10
```

```
patient.biospecimen_cqcf.submitted_for_lce:
  no  yes NA's
  165  49  290
```


patient.biospecimen_cqcf.top_slide_submitted:

no	yes	NA's
61	442	1

patient.biospecimen_cqcf.tumor_samples.tumor_sample.2.tumor_necrosis_percent:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0.0	5.0	7.5	12.7	17.5	50.0	494

patient.biospecimen_cqcf.tumor_samples.tumor_sample.2.tumor_nuclei_percent:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
40.0	50.0	62.5	63.1	76.5	90.0	494

patient.biospecimen_cqcf.tumor_samples.tumor_sample.2.tumor_weight:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
16.0	63.0	90.5	108.6	175.5	200.0	494

patient.biospecimen_cqcf.tumor_samples.tumor_sample.2.vial_number:

1	2	NA's
2	8	494

patient.biospecimen_cqcf.tumor_samples.tumor_sample.tumor_necrosis_percent:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0.0	2.0	10.0	11.5	20.0	70.0	1

patient.biospecimen_cqcf.tumor_samples.tumor_sample.tumor_nuclei_percent:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
20.00	65.50	70.00	72.76	80.00	100.00	1

patient.biospecimen_cqcf.tumor_samples.tumor_sample.tumor_weight:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
7.0	138.5	200.0	326.3	300.0	3009.0	22

patient.biospecimen_cqcf.tumor_samples.tumor_sample.vial_number:

1	NA's
503	1

patient.days_to_index:

0	NA's
479	25

patient.samples.sample.2.days_to_collection:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
20.0	103.2	327.0	909.3	1294.8	5727.0	390

patient.samples.sample.2.diagnostic_slides.ffpe_slide_uuid:

692a8000-846e-4ed7-b790-b3281acb9dec 72c1a8db-146c-4408-8d31-43baba769fdf

e0b0240c-9b6c-4da9-b9cb-bc634051fc45 NA's
1 501

patient.samples.sample.2.initial_weight:

80 130 150 160 NA's
3 1 1 1 498

patient.samples.sample.2.intermediate_dimension:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0.3000	0.6250	0.8000	0.8796	1.0000	2.2000	342

patient.samples.sample.2.is_ffpe:

no yes
501 3

patient.samples.sample.2.longest_dimension:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0.400	1.000	1.200	1.247	1.500	2.800	342

patient.samples.sample.2.oct_embedded:

false true NA's
125 6 373

patient.samples.sample.2.pathology_report_file_name:

tcga-68-7757.87fd1307-e3eb-45da-b0ec-2e3cb95e06d5.pdf 1
tcga-92-7340.ec11729e-f821-4f7b-91c5-0ed2026e5881.pdf 1
tcga-92-8063.517002a1-6e8c-400f-ae16-f23a061f6607.pdf 1
tcga-92-8064.38c3c16a-1a81-4812-9931-b5fb4b00615e.pdf 1
NA's
500

patient.samples.sample.2.pathology_report_uuid:

38c3c16a-1a81-4812-9931-b5fb4b00615e	517002a1-6e8c-400f-ae16-f23a061f6607	1	1
87fd1307-e3eb-45da-b0ec-2e3cb95e06d5	ec11729e-f821-4f7b-91c5-0ed2026e5881	1	1
	NA's		
	500		

patient.samples.sample.2.portions.portion.analytes.analyte.2.a260_a280_ratio:

1.7 1.8 1.9 NA's
1 8 1 494

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.2.

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
89575993	96491638	96491984	96632760	97513544	103959779	370

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.2.
 8 9 NA's
 22 112 370

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.2.
 0.5 NA's
 134 370

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.2.
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 13.00 19.00 27.00 24.12 31.00 31.00 370

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.2.
 no NA's
 134 370

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.2.
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 1.000 3.000 3.000 4.261 5.000 9.000 370

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.2.
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 1.000 5.000 8.000 7.209 10.000 12.000 370

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.2.
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 782.0 879.0 880.0 946.6 943.0 1262.0 370

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.2.
 30 40 NA's
 69 65 370

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.2.
 22 NA's
 134 370

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.2.
 60 80 NA's
 69 65 370

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.2.
 2010 NA's
 134 370

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.3.
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 89576377 89576436 96485711 95962602 96486884 153878584 433

```

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.3.
  8   9  10 NA's
  2  22  47 433

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.3.
0.5 NA's
  71 433

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.3.
 13  15  31 NA's
  22   2  47 433

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.3.
no NA's
  71 433

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.3.
  1   3   7 NA's
 22  47   2 433

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.3.
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.   NA's
    1      5      7      7     10     12    433

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.3.
0783 0881 0882 a315 NA's
  22  36  11   2 433

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.3.
  5  30 NA's
  2  69 433

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.3.
 22  23 NA's
 69   2 433

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.3.
 10  60 NA's
  2  69 433

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.3.
2010 2013 NA's
  69   2 433

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.4.
tcga-56-1622-11a-01w-a315-08 tcga-60-2713-11a-01w-a315-08
                                1                                1
                                NA's
                                502

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.4.

```

4a1025c4-405c-40fe-bfce-5a36cb5650b5 e7fcea98-5cd8-4952-ac9c-64ab831d777c
1 1
NA's
502

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.4.
153878552 153878576 NA's
1 1 502

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.4.
8 NA's
2 502

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.4.
0.5 NA's
2 502

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.4.
15 NA's
2 502

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.4.
no NA's
2 502

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.4.
7 NA's
2 502

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.4.
1 NA's
2 502

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.4.
a315 NA's
2 502

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.4.
b d NA's
1 1 502

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.4.
5 NA's
2 502

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.4.
23 NA's
2 502

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.4.
10 NA's
2 502

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.4.
 2013 NA's
 2 502

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.bi
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 9.649e+07 1.079e+08 1.322e+08 3.335e+08 1.507e+08 1.076e+09 37

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.ce
 7 8 10 13 NA's
 8 444 22 15 15

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.co
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 0.1300 0.5000 0.5000 0.4832 0.5000 0.5000 15

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.da
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 3.00 8.00 12.00 16.89 27.00 31.00 15

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.is
 no NA's
 489 15

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.mo
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 1.000 3.000 5.000 4.851 6.000 12.000 15

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.pl
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 1.000 5.000 7.000 7.129 9.000 12.000 15

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.qu
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 1.86 40.00 40.00 36.84 40.00 40.00 15

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.so
 22 23 NA's
 357 132 15

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.vo
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 13.30 80.00 80.00 74.33 80.00 80.00 15

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.ye
 2010 2011 2012 2013 NA's
 134 113 110 132 15

patient.samples.sample.2.portions.portion.analytes.analyte.2.amount:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
2.0	70.0	163.0	133.2	185.0	309.5	147

patient.samples.sample.2.portions.portion.analytes.analyte.2.analyte_type:

repli-g (qiagen) dna	rna	NA's
466	23	15

patient.samples.sample.2.portions.portion.analytes.analyte.2.analyte_type_id:

h	r	w	NA's
15	8	466	15

patient.samples.sample.2.portions.portion.analytes.analyte.2.concentration:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0.130	0.500	0.500	0.477	0.500	0.500	147

patient.samples.sample.2.portions.portion.analytes.analyte.2.dna.normal_tumor_ge

yes	NA's
466	38

patient.samples.sample.2.portions.portion.analytes.analyte.2.dna.pcr_amplificati

no	yes	NA's
334	132	38

patient.samples.sample.2.portions.portion.analytes.analyte.2.gel_image_file:

https://sharedoc.nchri.org/tcga-bcr/default.aspx
489
NA's
15

patient.samples.sample.2.portions.portion.analytes.analyte.2.is_derived_from_ffp

no	NA's
489	15

patient.samples.sample.2.portions.portion.analytes.analyte.2.protocols.protocol.

allprep rna extraction mirvana (allprep dna) rna	repli-g
8	15
repli-g x	NA's
15	15

patient.samples.sample.2.portions.portion.analytes.analyte.2.rna.ratio_28s_18s:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0.90	1.16	1.28	1.36	1.56	1.88	481

patient.samples.sample.2.portions.portion.analytes.analyte.2.rna.rinvalue:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
7.000	7.450	8.200	7.987	8.400	9.100	481

patient.samples.sample.2.portions.portion.analytes.analyte.2.spectrophotometer_m

picogreen uv spec NA's
 132 225 147

patient.samples.sample.2.portions.portion.analytes.analyte.2.subportion_sequence
 1 NA's
 7 497

patient.samples.sample.2.portions.portion.analytes.analyte.3.a260_a280_ratio:
 1.6 1.7 NA's
 1 4 499

patient.samples.sample.2.portions.portion.analytes.analyte.3.aliquots.aliquot.2.
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 97542305 97543270 97543318 99549109 103964699 103964771 439

patient.samples.sample.2.portions.portion.analytes.analyte.3.aliquots.aliquot.2.
 9 NA's
 65 439

patient.samples.sample.2.portions.portion.analytes.analyte.3.aliquots.aliquot.2.
 0.5 NA's
 65 439

patient.samples.sample.2.portions.portion.analytes.analyte.3.aliquots.aliquot.2.
 19 27 29 NA's
 36 18 11 439

patient.samples.sample.2.portions.portion.analytes.analyte.3.aliquots.aliquot.2.
 no NA's
 65 439

patient.samples.sample.2.portions.portion.analytes.analyte.3.aliquots.aliquot.2.
 5 6 9 NA's
 36 11 18 439

patient.samples.sample.2.portions.portion.analytes.analyte.3.aliquots.aliquot.2.
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 1.000 4.000 8.000 7.261 10.000 12.000 439

patient.samples.sample.2.portions.portion.analytes.analyte.3.aliquots.aliquot.2.
 941 956 1070 1264 NA's
 26 10 11 18 439

patient.samples.sample.2.portions.portion.analytes.analyte.3.aliquots.aliquot.2.
 40 NA's
 65 439

patient.samples.sample.2.portions.portion.analytes.analyte.3.aliquots.aliquot.2.
 22 NA's

65 439

patient.samples.sample.2.portions.portion.analytes.analyte.3.aliquots.aliquot.2.

80 NA's

65 439

patient.samples.sample.2.portions.portion.analytes.analyte.3.aliquots.aliquot.2.

2010 NA's

65 439

patient.samples.sample.2.portions.portion.analytes.analyte.3.aliquots.aliquot.bi

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
9.754e+07	9.754e+07	9.889e+07	1.680e+08	1.070e+08	1.062e+09	416

patient.samples.sample.2.portions.portion.analytes.analyte.3.aliquots.aliquot.ce

7 8 NA's

14 74 416

patient.samples.sample.2.portions.portion.analytes.analyte.3.aliquots.aliquot.co

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0.1300	0.5000	0.5000	0.4433	0.5000	0.5000	416

patient.samples.sample.2.portions.portion.analytes.analyte.3.aliquots.aliquot.da

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
4.00	19.00	19.00	21.32	27.00	30.00	416

patient.samples.sample.2.portions.portion.analytes.analyte.3.aliquots.aliquot.is

no NA's

88 416

patient.samples.sample.2.portions.portion.analytes.analyte.3.aliquots.aliquot.mo

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1.00	5.00	5.00	6.00	8.25	12.00	416

patient.samples.sample.2.portions.portion.analytes.analyte.3.aliquots.aliquot.pl

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1.000	4.000	6.000	6.659	9.000	12.000	416

patient.samples.sample.2.portions.portion.analytes.analyte.3.aliquots.aliquot.qu

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1.73	40.00	40.00	33.98	40.00	40.00	416

patient.samples.sample.2.portions.portion.analytes.analyte.3.aliquots.aliquot.so

22 23 NA's

87 1 416

patient.samples.sample.2.portions.portion.analytes.analyte.3.aliquots.aliquot.vo

13.3 26.7 80 NA's

12 2 74 416

patient.samples.sample.2.portions.portion.analytes.analyte.3.aliquots.aliquot.yes
 2010 2011 2012 2013 NA's
 65 15 7 1 416

patient.samples.sample.2.portions.portion.analytes.analyte.3.amount:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 9.2 61.5 73.0 82.9 101.5 195.0 417

patient.samples.sample.2.portions.portion.analytes.analyte.3.analyte_type:
 repli-g (qiagen) dna repli-g x (qiagen) dna rna
 9 65 14
 NA's
 416

patient.samples.sample.2.portions.portion.analytes.analyte.3.analyte_type_id:
 r w x NA's
 14 9 65 416

patient.samples.sample.2.portions.portion.analytes.analyte.3.concentration:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 0.1300 0.5000 0.5000 0.4426 0.5000 0.5000 417

patient.samples.sample.2.portions.portion.analytes.analyte.3.dna.normal_tumor_grade
 yes NA's
 74 430

patient.samples.sample.2.portions.portion.analytes.analyte.3.dna.pcr_amplification
 no yes NA's
 73 1 430

patient.samples.sample.2.portions.portion.analytes.analyte.3.gel_image_file:
<https://sharedoc.nchri.org/tcga-bcr/default.aspx>
 88
 NA's
 416

patient.samples.sample.2.portions.portion.analytes.analyte.3.is_derived_from_ffp
 no NA's
 88 416

patient.samples.sample.2.portions.portion.analytes.analyte.3.protocols.protocol.
 allprep rna extraction mirvana (allprep dna) rna repli-g
 11 3 8
 repli-g x NA's
 66 416

patient.samples.sample.2.portions.portion.analytes.analyte.3.rna.ratio_28s_18s:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's

```

1.010  1.130  1.305  1.289  1.423  1.500  490

patient.samples.sample.2.portions.portion.analytes.analyte.3.rna.rinvalue:
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.   NA's
7.200  7.300  7.550  7.793  8.275  9.000  490

patient.samples.sample.2.portions.portion.analytes.analyte.3.spectrophotometer_m
picogreen  uv spec      NA's
          2          85         417

patient.samples.sample.2.portions.portion.analytes.analyte.3.subportion_sequence
  1 NA's
  4 500

patient.samples.sample.2.portions.portion.analytes.analyte.4.aliquots.aliquot.bi
  Min.  1st Qu.  Median    Mean  3rd Qu.    Max.    NA's
1.087e+08 1.210e+08 1.210e+08 3.202e+08 1.244e+08 1.062e+09 490

patient.samples.sample.2.portions.portion.analytes.analyte.4.aliquots.aliquot.ce
  8 NA's
 14 490

patient.samples.sample.2.portions.portion.analytes.analyte.4.aliquots.aliquot.co
  0.5 NA's
 14 490

patient.samples.sample.2.portions.portion.analytes.analyte.4.aliquots.aliquot.da
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.   NA's
  5.00  9.50  21.00  18.71  29.25  30.00  490

patient.samples.sample.2.portions.portion.analytes.analyte.4.aliquots.aliquot.is
  no NA's
 14 490

patient.samples.sample.2.portions.portion.analytes.analyte.4.aliquots.aliquot.mo
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.   NA's
 1.000  1.500  4.000  5.357  7.000 12.000  490

patient.samples.sample.2.portions.portion.analytes.analyte.4.aliquots.aliquot.pl
  1  5  6  8 NA's
  1  6  5  2 490

patient.samples.sample.2.portions.portion.analytes.analyte.4.aliquots.aliquot.pl
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.   NA's
 1712  1925  2117  2058  2163  2330  490

patient.samples.sample.2.portions.portion.analytes.analyte.4.aliquots.aliquot.qu
  40 NA's
 14 490

```

patient.samples.sample.2.portions.portion.analytes.analyte.4.aliquots.aliquot.so
 22 NA's
 14 490

patient.samples.sample.2.portions.portion.analytes.analyte.4.aliquots.aliquot.vo
 80 NA's
 14 490

patient.samples.sample.2.portions.portion.analytes.analyte.4.aliquots.aliquot.ye
 2011 2012 NA's
 7 7 490

patient.samples.sample.2.portions.portion.analytes.analyte.4.amount:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 153.0 173.5 179.0 183.2 187.0 245.0 490

patient.samples.sample.2.portions.portion.analytes.analyte.4.analyte_type:
 repli-g (qiagen) dna NA's
 14 490

patient.samples.sample.2.portions.portion.analytes.analyte.4.analyte_type_id:
 w NA's
 14 490

patient.samples.sample.2.portions.portion.analytes.analyte.4.concentration:
 0.5 NA's
 14 490

patient.samples.sample.2.portions.portion.analytes.analyte.4.dna.normal_tumor_ge
 yes NA's
 14 490

patient.samples.sample.2.portions.portion.analytes.analyte.4.dna.pcr_amplificati
 no NA's
 14 490

patient.samples.sample.2.portions.portion.analytes.analyte.4.gel_image_file:
<https://sharedoc.nchri.org/tcga-bcr/default.aspx>
 14
 NA's
 490

patient.samples.sample.2.portions.portion.analytes.analyte.4.is_derived_from_ffp
 no NA's
 14 490

patient.samples.sample.2.portions.portion.analytes.analyte.4.protocols.protocol.
 repli-g NA's
 14 490

patient.samples.sample.2.portions.portion.analytes.analyte.4.spectrophotometer_m
picogreen uv spec NA's
10 4 490

patient.samples.sample.2.portions.portion.analytes.analyte.4.subportion_sequence
1 NA's
4 500

patient.samples.sample.2.portions.portion.analytes.analyte.a260_a280_ratio:
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
1.400 1.900 1.900 1.882 1.900 2.000 284

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.10.b
tcga-60-2722-11a-01d-2250-01 NA's
1 503

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.10.b
1f700cde-dfea-4e03-9524-e54c586fa586 NA's
1 503

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.10.b
125245974 NA's
1 503

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.10.c
1 NA's
1 503

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.10.c
0.15 NA's
1 503

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.10.d
29 NA's
1 503

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.10.i
no NA's
1 503

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.10.m
8 NA's
1 503

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.10.p
6 NA's
1 503

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.10.p
2250 NA's
1 503

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.10.p
 b NA's
 1 503

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.10.q
 1.2 NA's
 1 503

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.10.s
 22 NA's
 1 503

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.10.v
 8 NA's
 1 503

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.10.y
 2012 NA's
 1 503

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.2.bi
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 9.650e+07 1.040e+08 1.252e+08 2.729e+08 1.457e+08 1.076e+09 25

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.2.ce
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 1.000 4.000 8.000 5.565 8.000 8.000 3

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.2.co
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 0.0500 0.0500 0.0900 0.1062 0.1500 0.1700 3

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.2.da
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 4.00 10.00 15.00 17.43 27.00 30.00 3

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.2.is
 no NA's
 501 3

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.2.mo
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 1.000 3.000 5.000 5.471 8.000 12.000 3

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.2.pl
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 1.000 5.000 7.000 6.852 9.000 12.000 3

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.2.qu
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 0.870 1.860 3.000 2.668 3.200 4.540 3

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.2.so
 22 23 NA's
 373 128 3

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.2.vo
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 6.67 13.30 40.00 33.41 60.00 60.00 3

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.2.ye
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 2009 2010 2011 2011 2012 2014 3

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.3.bi
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 9.651e+07 9.751e+07 1.005e+08 4.053e+08 1.053e+09 1.054e+09 288

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.3.ce
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 2.000 6.000 6.000 6.437 8.000 9.000 266

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.3.co
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 0.0500 0.0500 0.1500 0.1167 0.1500 0.1700 266

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.3.da
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 4.00 10.00 15.00 16.68 30.00 30.00 266

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.3.is
 no NA's
 238 266

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.3.mo
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 3.000 3.000 6.000 6.382 8.000 11.000 266

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.3.pl
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 1.00 5.00 6.00 6.58 8.00 12.00 266

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.3.qu
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 0.870 2.000 2.000 2.316 3.000 4.540 266

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.3.so
 22 23 NA's
 230 8 266

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.3.vo
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 6.70 13.30 20.00 26.49 40.00 60.00 266

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.3.ye
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 2009 2010 2010 2010 2011 2013 266

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.4.bi
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 9.650e+07 9.651e+07 9.889e+07 1.834e+08 1.040e+08 1.053e+09 344

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.4.ce
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 1.000 2.000 5.000 4.824 8.000 9.000 322

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.4.co
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 0.0500 0.1400 0.1500 0.1382 0.1500 0.1700 322

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.4.da
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 2.00 10.00 14.00 15.96 27.00 30.00 322

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.4.is
 no NA's
 182 322

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.4.mo
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 3.000 3.000 6.000 6.445 9.000 11.000 322

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.4.pl
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 2.000 5.000 6.000 6.555 8.000 12.000 322

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.4.pl
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 688 847 984 1112 1441 1947 322

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.4.qu
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 0.870 1.500 2.600 2.391 3.000 4.540 322

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.4.so
 22 NA's
 182 322

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.4.vo
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 6.70 10.00 20.00 19.06 20.00 40.00 322

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.4.ye
 2009 2010 2011 NA's
 22 134 26 322

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.5.bi
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 9.752e+07 9.752e+07 9.889e+07 2.237e+08 1.040e+08 1.050e+09 374

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.5.ce
 4 6 8 9 NA's
 27 9 76 18 374

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.5.co
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 0.0500 0.1400 0.1500 0.1365 0.1500 0.1700 374

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.5.da
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 2.0 2.0 27.0 19.8 28.0 31.0 374

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.5.is
 no NA's
 130 374

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.5.mo
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 1.000 4.000 6.000 5.138 6.000 9.000 374

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.5.pl
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 2.000 5.000 7.000 7.031 9.000 12.000 374

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.5.qu
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 0.460 1.010 1.140 1.838 2.000 4.270 374

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.5.so
 22 23 NA's
 129 1 374

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.5.vo
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 3.50 6.70 6.70 15.85 26.70 40.00 374

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.5.ye
 2010 2011 2013 NA's
 112 17 1 374

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.6.bi
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 9.752e+07 9.752e+07 9.885e+07 1.771e+08 9.886e+07 1.050e+09 405

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.6.ce
 1 2 6 9 NA's
 5 8 27 59 405

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.6.co
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 0.0700 0.1500 0.1500 0.1491 0.1500 0.1700 405

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.6.da
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 2.00 2.00 28.00 19.17 28.00 29.00 405

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.6.is
 no NA's
 99 405

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.6.mo
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 1.000 4.000 4.000 4.808 6.000 8.000 405

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.6.pl
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 2.000 6.000 8.000 7.717 10.000 12.000 405

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.6.qu
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 0.300 1.010 1.070 1.346 1.930 2.130 405

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.6.so
 22 23 NA's
 98 1 405

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.6.vo
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 2.300 6.700 6.700 9.058 13.300 13.400 405

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.6.ye
 2010 2011 2012 2015 NA's
 85 8 5 1 405

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.7.bi
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 1.005e+08 1.050e+09 1.050e+09 8.642e+08 1.050e+09 1.050e+09 423

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.7.ce
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 1.000 2.000 8.000 5.938 8.000 9.000 423

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.7.co
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 0.0500 0.0500 0.0500 0.0906 0.1500 0.1600 423

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.7.da
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 13.00 26.00 29.00 27.44 31.00 31.00 423

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.7.is
 no NA's
 81 423

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.7.mo
 1 8 9 10 NA's
 66 7 1 7 423

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.7.pl
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 1.000 5.000 8.000 7.025 9.000 12.000 423

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.7.qu
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 1.070 2.000 2.000 2.217 2.000 6.000 423

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.7.so
 22 23 NA's
 80 1 423

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.7.vo
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 8.00 13.30 40.00 30.39 40.00 40.00 423

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.7.ye
 2010 2011 2012 2015 NA's
 13 65 2 1 423

```

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.8.bi
  Min. 1st Qu.  Median      Mean 3rd Qu.  Max.    NA's
1.039e+08 1.252e+08 1.322e+08 3.714e+08 5.978e+08 1.050e+09    485

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.8.ce
  1      8 NA's
  6     13 485

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.8.co
  Min. 1st Qu.  Median      Mean 3rd Qu.  Max.    NA's
0.0500 0.0500 0.0800 0.0926 0.1500 0.1600    485

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.8.da
 18 19 29 31 NA's
  1  7  6  5 485

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.8.is
no NA's
19 485

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.8.mo
  1      8 10 NA's
  5     13  1 485

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.8.pl
  Min. 1st Qu.  Median      Mean 3rd Qu.  Max.    NA's
2.000  3.500  5.000  5.368  6.500 10.000    485

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.8.pl
1352 1522 2250 a320 NA's
  1   5   6   7 485

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.8.qu
  Min. 1st Qu.  Median      Mean 3rd Qu.  Max.    NA's
1.200  1.210  1.390  1.518  2.000  2.000    485

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.8.so
 22 23 NA's
 12  7 485

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.8.vo
  8 17.4 40 NA's
  6  7   6 485

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.8.ye
2010 2011 2012 2013 NA's
  1   5   6   7 485

```

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.9.bi
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 1.252e+08 1.252e+08 1.252e+08 3.110e+08 1.252e+08 1.054e+09 499

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.9.ce
 1 5 NA's
 4 1 499

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.9.co
 0.14 0.15 NA's
 1 4 499

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.9.da
 6 29 NA's
 1 4 499

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.9.is
 no NA's
 5 499

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.9.mo
 7 8 NA's
 1 4 499

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.9.pl
 5 6 7 NA's
 1 3 1 499

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.9.pl
 1871 2250 NA's
 1 4 499

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.9.qu
 1.12 1.2 9.99 NA's
 1 3 1 499

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.9.so
 22 NA's
 5 499

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.9.vo
 8 66.6 NA's
 4 1 499

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.9.ye
 2011 2012 NA's
 1 4 499

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.bios
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 9.650e+07 1.040e+08 1.252e+08 2.742e+08 1.457e+08 1.076e+09 22

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.cent
 1 2 4 8
 375 95 11 23

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.conc
 Min. 1st Qu. Median Mean 3rd Qu. Max.
 0.0700 0.1400 0.1500 0.1478 0.1600 0.1700

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.day_
 Min. 1st Qu. Median Mean 3rd Qu. Max.
 4.00 10.00 15.00 17.38 27.00 30.00

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.is_d
 no yes
 501 3

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.mont
 Min. 1st Qu. Median Mean 3rd Qu. Max.
 1.000 3.000 5.000 5.462 8.000 12.000

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.plat
 Min. 1st Qu. Median Mean 3rd Qu. Max.
 1.000 5.000 7.000 6.853 9.000 12.000

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.quan
 Min. 1st Qu. Median Mean 3rd Qu. Max.
 0.870 1.000 1.070 1.304 1.400 4.010

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.sour
 22 23
 373 131

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.vol
 Min. 1st Qu. Median Mean 3rd Qu. Max.
 6.670 6.670 6.700 9.461 10.000 40.000

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.year
 Min. 1st Qu. Median Mean 3rd Qu. Max.
 2009 2010 2012 2011 2012 2014

patient.samples.sample.2.portions.portion.analytes.analyte.amount:
 Min. 1st Qu. Median Mean 3rd Qu. Max.
 0.00 44.04 117.70 187.69 273.88 1385.00

patient.samples.sample.2.portions.portion.analytes.analyte.analyte_type:
 dna

504

```
patient.samples.sample.2.portions.portion.analytes.analyte.analyte_type_id:
  d
504
```

```
patient.samples.sample.2.portions.portion.analytes.analyte.concentration:
0.13 0.14 0.15 0.16 0.17
  33  95  201  120  55
```

```
patient.samples.sample.2.portions.portion.analytes.analyte.dna.normal_tumor_genome:
yes
504
```

```
patient.samples.sample.2.portions.portion.analytes.analyte.dna.pcr_amplification:
no yes
270 234
```

```
patient.samples.sample.2.portions.portion.analytes.analyte.gel_image_file:
https://sharedoc.nchri.org/tcga-bcr/default.aspx
  504
```

```
patient.samples.sample.2.portions.portion.analytes.analyte.is_derived_from_ffpe:
no yes
501  3
```

```
patient.samples.sample.2.portions.portion.analytes.analyte.protocols.protocol.execution:
      adna preparation type                allprep ffpe dna
                        272                                3
      chemical lysis dna extraction pre-extracted dna received by tss
                        164                                65
```

```
patient.samples.sample.2.portions.portion.analytes.analyte.spectrophotometer_method:
picogreen  uv spec
  283      221
```

```
patient.samples.sample.2.portions.portion.analytes.analyte.subportion_sequence:
  1 NA's
  13 491
```

```
patient.samples.sample.2.portions.portion.day_of_creation:
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.
  1.00   9.00   17.00   17.95  29.00   31.00
```

```
patient.samples.sample.2.portions.portion.is_ffpe:
no yes
501  3
```

patient.samples.sample.2.portions.portion.month_of_creation:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.
1.000	3.000	7.000	6.821	11.000	12.000

patient.samples.sample.2.portions.portion.portion_number:

1	2	11
490	1	13

patient.samples.sample.2.portions.portion.portion_sequence:

1	NA's
182	322

patient.samples.sample.2.portions.portion.slides.slide.2.is_derived_from_ffpe:

no NA's
111 393

patient.samples.sample.2.portions.portion.slides.slide.2.section_location:

top NA's
111 393

patient.samples.sample.2.portions.portion.slides.slide.is_derived_from_ffpe:

no NA's
169 335

patient.samples.sample.2.portions.portion.slides.slide.percent_lymphocyte_infiltration:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0.000	2.000	5.000	6.333	8.000	20.000	495

patient.samples.sample.2.portions.portion.slides.slide.percent_monocyte_infiltration:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0.000	5.000	5.000	7.444	14.000	15.000	495

patient.samples.sample.2.portions.portion.slides.slide.percent_necrosis:

0	8	NA's
6	1	497

patient.samples.sample.2.portions.portion.slides.slide.percent_neutrophil_infiltration:

0	2	3	20	NA's
4	2	2	1	495

patient.samples.sample.2.portions.portion.slides.slide.percent_normal_cells:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0.00	27.50	60.00	53.57	80.00	100.00	497

patient.samples.sample.2.portions.portion.slides.slide.percent_stromal_cells:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
------	---------	--------	------	---------	------	------

0.00 12.50 30.00 34.29 52.50 80.00 497

patient.samples.sample.2.portions.portion.slides.slide.percent_tumor_cells:
 0 77 NA's
 6 1 497

patient.samples.sample.2.portions.portion.slides.slide.percent_tumor_nuclei:
 0 65 NA's
 6 1 497

patient.samples.sample.2.portions.portion.slides.slide.section_location:
 bottom top NA's
 111 58 335

patient.samples.sample.2.portions.portion.weight:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 1.00 1.00 2.00 40.96 66.50 300.00 214

patient.samples.sample.2.portions.portion.year_of_creation:
 Min. 1st Qu. Median Mean 3rd Qu. Max.
 2009 2011 2012 2011 2012 2014

patient.samples.sample.2.sample_type:
 blood derived normal ffpe scrolls primary tumor
 314 3 1
 solid tissue normal
 186

patient.samples.sample.2.sample_type_id:
 1 10 11
 4 314 186

patient.samples.sample.2.shortest_dimension:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 0.1000 0.3000 0.4000 0.4074 0.5000 1.2000 342

patient.samples.sample.2.vial_number:
 a b d e g
 497 4 1 1 1

patient.samples.sample.3.days_to_collection:
 876 908 937 NA's
 1 1 1 501

patient.samples.sample.3.intermediate_dimension:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 0.300 0.600 0.800 0.809 1.000 1.800 437

patient.samples.sample.3.is_ffpe:
 no yes NA's

68 3 433

patient.samples.sample.3.longest_dimension:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0.300	0.850	1.100	1.239	1.400	4.400	437

patient.samples.sample.3.oct_embedded:

false NA's
3 501

patient.samples.sample.3.pathology_report_file_name:

tcga-92-7340.ec11729e-f821-4f7b-91c5-0ed2026e5881.pdf	1
tcga-92-8063.517002a1-6e8c-400f-ae16-f23a061f6607.pdf	1
tcga-92-8064.38c3c16a-1a81-4812-9931-b5fb4b00615e.pdf	1
	NA's
	501

patient.samples.sample.3.pathology_report_uuid:

38c3c16a-1a81-4812-9931-b5fb4b00615e	517002a1-6e8c-400f-ae16-f23a061f6607	1	1
ec11729e-f821-4f7b-91c5-0ed2026e5881		1	NA's
			501

patient.samples.sample.3.portions.portion.analytes.analyte.2.a260_a280_ratio:

1.7 1.8 NA's
2 5 497

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.2.

tcga-43-3394-11a-01r-1758-07	tcga-51-4079-11a-01r-1758-07	1	1
tcga-51-4080-11a-01r-1758-07	tcga-51-4081-11a-01r-1758-07	1	1
		NA's	
		500	

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.2.

47bb130b-c5cc-40ba-b72f-7d337080c62f	80ee8813-997d-48b9-9853-520080e22e05	1	1
d5da6fea-e0ee-4da5-8f4a-45d850fead0c	e21484e9-d9c3-463f-89bd-82f09cc2579a	1	1
		NA's	
		500	

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.2.

1053958183	1053958185	1053958206	1053958209	NA's
1	1	1	1	500

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.2.

7 NA's

4 500

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.2.
0.14 0.15 NA's

1 3 500

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.2.
11 NA's

4 500

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.2.
no NA's

4 500

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.2.
5 NA's

4 500

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.2.

1 2 NA's

1 3 500

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.2.
1758 NA's

4 500

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.2.

d e f g NA's

1 1 1 1 500

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.2.
1.5 1.86 2 NA's

1 1 2 500

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.2.
22 NA's

4 500

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.2.
10 13.3 NA's

1 3 500

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.2.
2011 NA's

4 500

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.bi

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1.070e+08	1.210e+08	1.283e+08	5.162e+08	1.062e+09	1.076e+09	437

```

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.ce
  7   8  13 NA's
  1  32  34 437

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.co
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.    NA's
  0.1200 0.1400  0.1700  0.3139  0.5000  0.5000    437

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.da
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.    NA's
  4.00   9.00   9.00   14.04  22.00   30.00    437

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.is
no NA's
  67 437

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.mo
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.    NA's
  1.000  4.000  5.000  5.657  7.500  12.000    437

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.pl
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.    NA's
  1.000  5.000  6.000  5.881  7.000  11.000    437

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.qu
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.    NA's
  1.73   2.80   3.40  20.58  40.00  40.00    437

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.so
  22  23 NA's
  63   4 437

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.vo
  13.3 13.5  20  80 NA's
  1   1  33  32 437

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.ye
  2011 2012 2013 NA's
  20   43   4 437

patient.samples.sample.3.portions.portion.analytes.analyte.2.amount:
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.    NA's
  0.00  45.35  100.50  117.59  181.50  256.00    441

patient.samples.sample.3.portions.portion.analytes.analyte.2.analyte_type:
repli-g (qiagen) dna                rna                NA's
                  32                  35                  437

patient.samples.sample.3.portions.portion.analytes.analyte.2.analyte_type_id:
  h   r   w NA's

```

30 5 32 437

patient.samples.sample.3.portions.portion.analytes.analyte.2.concentration:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 0.1200 0.1400 0.1600 0.3021 0.5000 0.5000 441

patient.samples.sample.3.portions.portion.analytes.analyte.2.dna.normal_tumor_ge
 yes NA's
 32 472

patient.samples.sample.3.portions.portion.analytes.analyte.2.dna.pcr_amplificati
 no yes NA's
 28 4 472

patient.samples.sample.3.portions.portion.analytes.analyte.2.gel_image_file:
<https://sharedoc.nchri.org/tcga-bcr/default.aspx>
 67
 NA's
 437

patient.samples.sample.3.portions.portion.analytes.analyte.2.is_derived_from_ffp
 no NA's
 67 437

patient.samples.sample.3.portions.portion.analytes.analyte.2.protocols.protocol.
 allprep rna extraction mirvana (allprep dna) rna repli-g
 5 30 28
 repli-g x NA's
 4 437

patient.samples.sample.3.portions.portion.analytes.analyte.2.rna.ratio_28s_18s:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 0.970 1.190 1.340 1.364 1.510 2.000 469

patient.samples.sample.3.portions.portion.analytes.analyte.2.rna.rinvalue:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 7.00 7.35 7.80 7.90 8.40 9.10 469

patient.samples.sample.3.portions.portion.analytes.analyte.2.spectrophotometer_m
 picogreen uv spec NA's
 26 37 441

patient.samples.sample.3.portions.portion.analytes.analyte.3.a260_a280_ratio:
 1.6 1.7 NA's
 1 4 499

patient.samples.sample.3.portions.portion.analytes.analyte.3.aliquots.aliquot.bi
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's

1.070e+08 1.210e+08 1.252e+08 3.648e+08 5.931e+08 1.076e+09 473

patient.samples.sample.3.portions.portion.analytes.analyte.3.aliquots.aliquot.ce

7 8 NA's
24 7 473

patient.samples.sample.3.portions.portion.analytes.analyte.3.aliquots.aliquot.co

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0.1300	0.1400	0.1500	0.2248	0.1600	0.5000	473

patient.samples.sample.3.portions.portion.analytes.analyte.3.aliquots.aliquot.da

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
4.00	9.00	9.00	12.32	16.50	30.00	473

patient.samples.sample.3.portions.portion.analytes.analyte.3.aliquots.aliquot.is

no NA's
31 473

patient.samples.sample.3.portions.portion.analytes.analyte.3.aliquots.aliquot.mo

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1.000	4.000	6.000	5.903	8.000	12.000	473

patient.samples.sample.3.portions.portion.analytes.analyte.3.aliquots.aliquot.pl

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
3.000	5.000	5.000	5.355	6.000	12.000	473

patient.samples.sample.3.portions.portion.analytes.analyte.3.aliquots.aliquot.qu

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1.73	1.86	2.00	10.52	2.13	40.00	473

patient.samples.sample.3.portions.portion.analytes.analyte.3.aliquots.aliquot.sc

22 23 NA's
27 4 473

patient.samples.sample.3.portions.portion.analytes.analyte.3.aliquots.aliquot.vo

13 13.3 80 NA's
1 23 7 473

patient.samples.sample.3.portions.portion.analytes.analyte.3.aliquots.aliquot.ye

2011 2012 2013 NA's
12 15 4 473

patient.samples.sample.3.portions.portion.analytes.analyte.3.amount:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
8.20	31.20	55.20	64.91	74.08	187.00	476

patient.samples.sample.3.portions.portion.analytes.analyte.3.analyte_type:

repli-g (qiagen)	dna	rna	NA's
	7	24	473

patient.samples.sample.3.portions.portion.analytes.analyte.3.analyte_type_id:
 r w NA's
 24 7 473

patient.samples.sample.3.portions.portion.analytes.analyte.3.concentration:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 0.1300 0.1400 0.1400 0.1954 0.1600 0.5000 476

patient.samples.sample.3.portions.portion.analytes.analyte.3.dna.normal_tumor_ge
 yes NA's
 7 497

patient.samples.sample.3.portions.portion.analytes.analyte.3.dna.pcr_amplificati
 no yes NA's
 4 3 497

patient.samples.sample.3.portions.portion.analytes.analyte.3.gel_image_file:
<https://sharedoc.nchri.org/tcga-bcr/default.aspx>
 31
 NA's
 473

patient.samples.sample.3.portions.portion.analytes.analyte.3.is_derived_from_ffp
 no NA's
 31 473

patient.samples.sample.3.portions.portion.analytes.analyte.3.protocols.protocol.
 allprep rna extraction repli-g repli-g x
 24 4 3
 NA's
 473

patient.samples.sample.3.portions.portion.analytes.analyte.3.rna.ratio_28s_18s:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 1.070 1.167 1.205 1.263 1.357 1.690 480

patient.samples.sample.3.portions.portion.analytes.analyte.3.rna.rinvalue:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 7.100 7.300 7.450 7.658 7.925 9.100 480

patient.samples.sample.3.portions.portion.analytes.analyte.3.spectrophotometer_m
 picogreen uv spec NA's
 3 25 476

patient.samples.sample.3.portions.portion.analytes.analyte.4.aliquots.aliquot.bi
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 1.210e+08 1.210e+08 1.283e+08 4.489e+08 1.054e+09 1.076e+09 481

```

patient.samples.sample.3.portions.portion.analytes.analyte.4.aliquots.aliquot.ce
  8 NA's
  23 481

patient.samples.sample.3.portions.portion.analytes.analyte.4.aliquots.aliquot.co
  0.5 NA's
  23 481

patient.samples.sample.3.portions.portion.analytes.analyte.4.aliquots.aliquot.da
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.    NA's
  5.00   7.00   11.00   16.65  29.00   30.00    481

patient.samples.sample.3.portions.portion.analytes.analyte.4.aliquots.aliquot.is
  no NA's
  23 481

patient.samples.sample.3.portions.portion.analytes.analyte.4.aliquots.aliquot.mo
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.    NA's
  1.000   3.500   7.000   6.043   8.000  12.000    481

patient.samples.sample.3.portions.portion.analytes.analyte.4.aliquots.aliquot.pl
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.    NA's
  3.0     5.5     6.0     6.0     7.0     9.0     481

patient.samples.sample.3.portions.portion.analytes.analyte.4.aliquots.aliquot.qu
  40 NA's
  23 481

patient.samples.sample.3.portions.portion.analytes.analyte.4.aliquots.aliquot.so
  22 23 NA's
  22 1 481

patient.samples.sample.3.portions.portion.analytes.analyte.4.aliquots.aliquot.vo
  80 NA's
  23 481

patient.samples.sample.3.portions.portion.analytes.analyte.4.aliquots.aliquot.ye
  2011 2012 2013 NA's
  9 13 1 481

patient.samples.sample.3.portions.portion.analytes.analyte.4.amount:
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.    NA's
  143.0  164.0  175.5  181.0  188.2  255.0    482

patient.samples.sample.3.portions.portion.analytes.analyte.4.analyte_type:
repli-g (qiagen) dna                    NA's
                    23                    481

patient.samples.sample.3.portions.portion.analytes.analyte.4.analyte_type_id:
  w NA's

```


23 481

patient.samples.sample.3.portions.portion.analytes.analyte.4.concentration:
 0.5 NA's
 22 482

patient.samples.sample.3.portions.portion.analytes.analyte.4.dna.normal_tumor_ge
 yes NA's
 23 481

patient.samples.sample.3.portions.portion.analytes.analyte.4.dna.pcr_amplificati
 no yes NA's
 22 1 481

patient.samples.sample.3.portions.portion.analytes.analyte.4.gel_image_file:
<https://sharedoc.nchri.org/tcga-bcr/default.aspx>
 23
 NA's
 481

patient.samples.sample.3.portions.portion.analytes.analyte.4.is_derived_from_ffp
 no NA's
 23 481

patient.samples.sample.3.portions.portion.analytes.analyte.4.protocols.protocol.
 repli-g repli-g x NA's
 22 1 481

patient.samples.sample.3.portions.portion.analytes.analyte.4.spectrophotometer_m
 picogreen uv spec NA's
 20 2 482

patient.samples.sample.3.portions.portion.analytes.analyte.a260_a280_ratio:
 1.8 1.9 NA's
 1 14 489

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.2.bi

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1.040e+08	1.210e+08	1.252e+08	4.939e+08	1.056e+09	1.076e+09	436

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.2.ce

1	8 NA's
17	51 436

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.2.co

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0.0500	0.0500	0.0500	0.0751	0.0700	0.1700	436

```

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.2.da
  Min. 1st Qu.  Median      Mean 3rd Qu.    Max.   NA's
    4.0     9.0    10.0    13.1   18.0    30.0   436

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.2.is
no NA's
68 436

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.2.mo
  Min. 1st Qu.  Median      Mean 3rd Qu.    Max.   NA's
 1.000   4.000   6.000   6.265   9.000  12.000   436

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.2.pl
  Min. 1st Qu.  Median      Mean 3rd Qu.    Max.   NA's
 3.000   4.000   5.000   5.529   7.000   9.000   436

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.2.pl
  Min. 1st Qu.  Median      Mean 3rd Qu.    Max.   NA's
 1450    2017    2122    2109    2293    2395    436

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.2.qu
  Min. 1st Qu.  Median      Mean 3rd Qu.    Max.   NA's
 0.870   2.533   3.000   2.501   3.000   3.000   436

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.2.so
22 NA's
68 436

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.2.vo
6.67 60 NA's
17 51 436

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.2.ye
2010 2011 2012 NA's
 3 23 42 436

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.3.bi
  Min. 1st Qu.  Median      Mean 3rd Qu.    Max.   NA's
1.040e+08 1.456e+08 1.054e+09 7.435e+08 1.054e+09 1.054e+09 483

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.3.ce
 5 8 NA's
 5 16 483

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.3.co
  Min. 1st Qu.  Median      Mean 3rd Qu.    Max.   NA's
 0.0500 0.0500 0.0500 0.0786 0.0800 0.1500 483

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.3.da

```

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
7.00	10.00	14.00	13.57	15.00	30.00	483

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.3.is
no NA's
21 483

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
2.000	6.000	8.000	7.381	8.000	12.000	483

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.3.mo

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1.000	5.000	6.000	5.619	8.000	8.000	483

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.3.pl

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1.220	3.000	3.000	2.865	3.000	4.010	483

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.3.qu

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.3.so
22 23 NA's
17 4 483

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.3.vo
17.4 26.7 40 60 NA's
4 5 1 11 483

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.3.ye
2010 2011 2013 NA's
3 14 4 483

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1.040e+08	1.070e+08	1.136e+08	2.758e+08	1.136e+08	1.053e+09	487

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.4.bi

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.4.ce
5 8 NA's
12 5 487

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0.0500	0.0500	0.1500	0.1218	0.1500	0.1700	487

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.4.co

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
7.00	10.00	10.00	12.29	15.00	30.00	487

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.4.da

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.4.is

```

no NA's
17 487

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.4.mo
  2  3  6  8 NA's
  5  1  4  7 487

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.4.pl
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.    NA's
  2.000  3.000  5.000  5.353  7.000  8.000   487

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.4.pl
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.    NA's
  1458  1553  1818  1766  1947  1947   487

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.4.qu
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.    NA's
  1.730  2.000  2.000  2.139  2.000  4.270   487

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.4.so
  22 NA's
  17 487

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.4.vo
  13.3 26.7  40 NA's
  11  1  5 487

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.4.ye
  2011 NA's
  17 487

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.5.bi
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.    NA's
  1.040e+08 1.040e+08 1.040e+08 4.824e+08 1.050e+09 1.050e+09   499

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.5.ce
  9 NA's
  5 499

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.5.co
  0.05 NA's
  5 499

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.5.da
  7 14 NA's
  3  2 499

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.5.is
  no NA's

```

5 499

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.5.mo

2 NA's

5 499

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.5.pl

1 2 7 NA's

1 2 2 499

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.5.pl

1460 1555 NA's

3 2 499

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.5.qu

2 NA's

5 499

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.5.sc

22 NA's

5 499

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.5.vo

40 NA's

5 499

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.5.ye

2011 NA's

5 499

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.bios

	Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
	1.040e+08	1.210e+08	1.252e+08	4.800e+08	1.054e+09	1.076e+09	433

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.cent

1 2 8 NA's

51 17 3 433

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.conc

	Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
	0.0800	0.1400	0.1500	0.1458	0.1550	0.1700	433

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.day_

	Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
	4.00	9.00	10.00	12.93	18.00	30.00	433

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.is_d

no yes NA's

68 3 433

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.mont
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 1.000 4.000 6.000 6.169 9.000 12.000 433

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.plat
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 2.00 3.50 5.00 5.38 6.50 9.00 433

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.quant
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 0.870 0.930 1.000 1.181 1.400 2.130 433

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.sour
 22 23 NA's
 68 3 433

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.vol
 6.67 10 13.3 20 NA's
 51 11 6 3 433

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.year
 2010 2011 2012 2014 NA's
 3 23 42 3 433

patient.samples.sample.3.portions.portion.analytes.analyte.amount:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 9.23 89.22 184.63 208.30 300.17 651.43 433

patient.samples.sample.3.portions.portion.analytes.analyte.analyte_type:
 dna NA's
 71 433

patient.samples.sample.3.portions.portion.analytes.analyte.analyte_type_id:
 d NA's
 71 433

patient.samples.sample.3.portions.portion.analytes.analyte.concentration:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 0.130 0.140 0.150 0.149 0.160 0.170 433

patient.samples.sample.3.portions.portion.analytes.analyte.dna.normal_tumor_gene
 yes NA's
 71 433

patient.samples.sample.3.portions.portion.analytes.analyte.dna.pcr_amplification
 no yes NA's
 68 3 433

patient.samples.sample.3.portions.portion.analytes.analyte.gel_image_file:
<https://sharedoc.nchri.org/tcga-bcr/default.aspx>

71
 NA's
 433

patient.samples.sample.3.portions.portion.analytes.analyte.is_derived_from_ffpe:

no yes NA's
 68 3 433

patient.samples.sample.3.portions.portion.analytes.analyte.protocols.protocol.ex

adna preparation type allprep ffpe dna
 67 3
 chemical lysis dna extraction NA's
 1 433

patient.samples.sample.3.portions.portion.analytes.analyte.spectrophotometer_met

picogreen uv spec NA's
 56 15 433

patient.samples.sample.3.portions.portion.day_of_creation:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1.00	4.00	11.00	11.39	16.00	31.00	433

patient.samples.sample.3.portions.portion.is_ffpe:

no yes NA's
 68 3 433

patient.samples.sample.3.portions.portion.month_of_creation:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1.000	4.000	6.000	6.239	8.000	12.000	433

patient.samples.sample.3.portions.portion.portion_number:

1 NA's
 71 433

patient.samples.sample.3.portions.portion.slides.slide.2.bcr_slide_barcode:

tcga-43-3920-11b-01-ts1	tcga-51-4079-11a-01-ts1	tcga-51-4080-11a-01-ts1
1	1	1
tcga-51-4081-11a-01-ts1	NA's	
1	500	

patient.samples.sample.3.portions.portion.slides.slide.2.bcr_slide_uuid:

10ecf62d-d270-4d74-a86d-dcc13ff09549	530df10b-7a9c-40a0-ae9d-bd2798e3b9dd
1	1
7f5d50a8-d127-437d-a3ff-f4bd50498698	8a22d88d-afcc-4a61-b267-780d5d738f36
1	1
NA's	
500	

```

patient.samples.sample.3.portions.portion.slides.slide.2.image_file_name:
tcga-51-4079-11a-01-ts1.8a22d88d-afcc-4a61-b267-780d5d738f36.svs
1
tcga-51-4080-11a-01-ts1.530df10b-7a9c-40a0-ae9d-bd2798e3b9dd.svs
1
tcga-51-4081-11a-01-ts1.10ecf62d-d270-4d74-a86d-dcc13ff09549.svs
1
NA's
501

```

```

patient.samples.sample.3.portions.portion.slides.slide.2.is_derived_from_ffpe:
no NA's
4 500

```

```

patient.samples.sample.3.portions.portion.slides.slide.2.section_location:
top NA's
4 500

```

```

patient.samples.sample.3.portions.portion.slides.slide.is_derived_from_ffpe:
no NA's
67 437

```

```

patient.samples.sample.3.portions.portion.slides.slide.percent_lymphocyte_infiltration:
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
0.00 2.25 5.00 10.79 14.25 35.00 490

```

```

patient.samples.sample.3.portions.portion.slides.slide.percent_monocyte_infiltration:
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
0.00 5.00 10.00 10.93 17.50 25.00 490

```

```

patient.samples.sample.3.portions.portion.slides.slide.percent_necrosis:
0 NA's
1 503

```

```

patient.samples.sample.3.portions.portion.slides.slide.percent_neutrophil_infiltration:
0 1 10 30 NA's
8 1 1 1 493

```

```

patient.samples.sample.3.portions.portion.slides.slide.percent_normal_cells:
18 NA's
1 503

```

```

patient.samples.sample.3.portions.portion.slides.slide.percent_stromal_cells:
6 NA's
1 503

```

```

patient.samples.sample.3.portions.portion.slides.slide.percent_tumor_cells:
76 NA's

```


1 503

patient.samples.sample.3.portions.portion.slides.slide.percent_tumor_nuclei:
65 NA's
1 503

patient.samples.sample.3.portions.portion.slides.slide.section_location:
bottom top NA's
4 63 437

patient.samples.sample.3.portions.portion.weight:
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
29.00 60.00 63.00 65.36 70.00 136.00 438

patient.samples.sample.3.portions.portion.year_of_creation:
2010 2011 2012 2014 NA's
5 32 31 3 433

patient.samples.sample.3.sample_type:
blood derived normal ffpe scrolls solid tissue normal
1 3 67
NA's
433

patient.samples.sample.3.sample_type_id:
1 10 11 NA's
3 1 67 433

patient.samples.sample.3.shortest_dimension:
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
0.1000 0.3000 0.5000 0.5209 0.7000 1.0000 437

patient.samples.sample.4.bcr_sample_barcode:
tcga-92-7340-10a tcga-92-8063-10a tcga-92-8064-10a NA's
1 1 1 501

patient.samples.sample.4.bcr_sample_uuid:
264e40a5-7514-43e9-ad8a-b141bfdeb5c6 7b686ccf-007b-40d3-a971-674c74cb5589 1 1
b380d9b9-5562-400e-9a14-e7817d7c5ae4 NA's
1 501

patient.samples.sample.4.is_ffpe:
no NA's
3 501

patient.samples.sample.4.portions.portion.analytes.analyte.2.aliquots.aliquot.bo
tcga-92-7340-10a-01w-2071-08 tcga-92-8063-10a-01w-2273-08 1 1
tcga-92-8064-10a-01w-2273-08 NA's
1 501


```

80 NA's
3 501

patient.samples.sample.4.portions.portion.analytes.analyte.2.aliquots.aliquot.ye
2011 2012 NA's
1 2 501

patient.samples.sample.4.portions.portion.analytes.analyte.2.amount:
175 211 219 NA's
1 1 1 501

patient.samples.sample.4.portions.portion.analytes.analyte.2.analyte_type:
repli-g (qiagen) dna NA's
3 501

patient.samples.sample.4.portions.portion.analytes.analyte.2.analyte_type_id:
w NA's
3 501

patient.samples.sample.4.portions.portion.analytes.analyte.2.bcr_analyte_barcode
tcga-92-7340-10a-01w tcga-92-8063-10a-01w tcga-92-8064-10a-01w
1 1 1
NA's
501

patient.samples.sample.4.portions.portion.analytes.analyte.2.bcr_analyte_uuid:
37e8a7c7-89bc-4298-9205-bb966ce4024a 60392cc4-674f-4848-9eac-f42e5b43b7d7
1 1
a8243d0f-c83c-4920-8714-b4373bb196a2 NA's
1 501

patient.samples.sample.4.portions.portion.analytes.analyte.2.concentration:
0.5 NA's
3 501

patient.samples.sample.4.portions.portion.analytes.analyte.2.dna.normal_tumor_ge
yes NA's
3 501

patient.samples.sample.4.portions.portion.analytes.analyte.2.dna.pcr_amplificati
no NA's
3 501

patient.samples.sample.4.portions.portion.analytes.analyte.2.gel_image_file:
https://sharedoc.nchri.org/tcga-bcr/default.aspx
3
NA's
501

patient.samples.sample.4.portions.portion.analytes.analyte.2.is_derived_from_ffp
no NA's
3 501

```

patient.samples.sample.4.portions.portion.analytes.analyte.2.protocols.protocol.
 repli-g NA's
 3 501

patient.samples.sample.4.portions.portion.analytes.analyte.2.spectrophotometer_m
 picogreen NA's
 3 501

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.2.bo
 tcga-92-7340-10a-01d-2042-08 tcga-92-8063-10a-01d-2244-08
 1 1
 tcga-92-8064-10a-01d-2244-08 NA's
 1 501

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.2.bo
 2abb7847-a772-4680-bbef-af095e97aa0b 3f377ed6-adf8-4874-8dc1-0a52df72f6d0
 1 1
 58ddfe29-d764-4b83-ac40-7221a934a706 NA's
 1 501

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.2.bi
 125245790 125245809 1061605281 NA's
 1 1 1 501

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.2.ce
 8 NA's
 3 501

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.2.co
 0.05 NA's
 3 501

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.2.da
 9 18 NA's
 1 2 501

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.2.is
 no NA's
 3 501

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.2.mo
 4 11 NA's
 2 1 501

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.2.pl
 7 10 NA's
 1 2 501

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.2.pl
 2042 2244 NA's
 1 2 501

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.2.pl
 b c g NA's
 1 1 1 501

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.2.qu
 3 NA's
 3 501

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.2.so
 22 NA's
 3 501

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.2.vo
 60 NA's
 3 501

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.2.ye
 2011 2012 NA's
 1 2 501

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.bcr_
 tcga-92-7340-10a-01d-2041-01 tcga-92-8063-10a-01d-2243-01
 1 1
 tcga-92-8064-10a-01d-2243-01 NA's
 1 501

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.bcr_
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 1 1
 d5728d57-0380-4a40-9096-7142cf71adc0 NA's
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patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.bios
 125245886 125245905 1061605185 NA's
 1 1 1 501

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.cent
 1 NA's
 3 501

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.conc
 0.15 0.16 NA's
 2 1 501

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.day_
 9 18 NA's
 1 2 501

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.is_d
 no NA's
 3 501

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patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.mont
  4  11 NA's
  2   1 501

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.plat
  7  10 NA's
  1   2 501

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.plat
2041 2243 NA's
  1   2 501

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.plat
  b   c   g NA's
  1   1   1 501

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.quant
  1 1.07 NA's
  2   1 501

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.sour
  22 NA's
  3  501

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.volun
  6.67 NA's
  3  501

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.year
2011 2012 NA's
  1   2 501

patient.samples.sample.4.portions.portion.analytes.analyte.amount:
145.63 245.63   337  NA's
  1     1     1    501

patient.samples.sample.4.portions.portion.analytes.analyte.analyte_type:
dna NA's
  3  501

patient.samples.sample.4.portions.portion.analytes.analyte.analyte_type_id:
d NA's
  3  501

patient.samples.sample.4.portions.portion.analytes.analyte.bcr_analyte_barcode:
tcga-92-7340-10a-01d tcga-92-8063-10a-01d tcga-92-8064-10a-01d
  1                               1                               1
  NA's
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patient.samples.sample.4.portions.portion.analytes.analyte.bcr_analyte_uuid:

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10c035d9-9183-4d69-b810-af873f7f5bac 26aabae5-e270-4a50-be95-12f7763b11fe
 1 1
 712f7eea-ef84-45a7-a9ba-42ce45dfdb15 NA's
 1 501

patient.samples.sample.4.portions.portion.analytes.analyte.concentration:
 0.15 0.16 NA's
 2 1 501

patient.samples.sample.4.portions.portion.analytes.analyte.dna.normal_tumor_genome:
 yes NA's
 3 501

patient.samples.sample.4.portions.portion.analytes.analyte.dna.pcr_amplification:
 no NA's
 3 501

patient.samples.sample.4.portions.portion.analytes.analyte.gel_image_file:
<https://sharedoc.nchri.org/tcga-bcr/default.aspx>
 3
 NA's
 501

patient.samples.sample.4.portions.portion.analytes.analyte.is_derived_from_ffpe:
 no NA's
 3 501

patient.samples.sample.4.portions.portion.analytes.analyte.protocols.protocol.experimental_protocol:
 chemical lysis dna extraction NA's
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patient.samples.sample.4.portions.portion.analytes.analyte.spectrophotometer_measurement:
 picogreen NA's
 3 501

patient.samples.sample.4.portions.portion.bcr_portion_barcode:
 tcga-92-7340-10a-01 tcga-92-8063-10a-01 tcga-92-8064-10a-01 NA's
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patient.samples.sample.4.portions.portion.bcr_portion_uuid:
 0d392a3f-e078-44fc-874e-c26a399ca485 55541337-0de2-46cd-8dae-ee2037273d11
 1 1
 d0c346fe-ef6a-4cfa-b736-e5c4db0da8f9 NA's
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patient.samples.sample.4.portions.portion.day_of_creation:
 6 16 NA's
 1 2 501

patient.samples.sample.4.portions.portion.is_ffpe:
 no NA's
 3 501

patient.samples.sample.4.portions.portion.month_of_creation:
 3 10 NA's
 2 1 501

patient.samples.sample.4.portions.portion.portion_number:
 1 NA's
 3 501

patient.samples.sample.4.portions.portion.year_of_creation:
 2011 2012 NA's
 1 2 501

patient.samples.sample.4.sample_type:
 blood derived normal NA's
 3 501

patient.samples.sample.4.sample_type_id:
 10 NA's
 3 501

patient.samples.sample.4.vial_number:
 a NA's
 3 501

patient.samples.sample.5.bcr_sample_barcode:
 tcga-92-7340-11a NA's
 1 503

patient.samples.sample.5.bcr_sample_uuid:
 0050cf50-b69b-4806-966c-129ca63212ed NA's
 1 503

patient.samples.sample.5.intermediate_dimension:
 1.1 NA's
 1 503

patient.samples.sample.5.is_ffpe:
 no NA's
 1 503

patient.samples.sample.5.longest_dimension:
 1.5 NA's
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patient.samples.sample.5.portions.portion.analytes.analyte.2.aliquots.aliquot.bo
 tcga-92-7340-11a-01h-2044-13 NA's
 1 503

patient.samples.sample.5.portions.portion.analytes.analyte.2.aliquots.aliquot.bo
 f549929c-9d21-4c28-8478-31ecb00eb9e4 NA's
 1 503

patient.samples.sample.5.portions.portion.analytes.analyte.2.aliquots.aliquot.bi
1061605884 NA's
1 503

patient.samples.sample.5.portions.portion.analytes.analyte.2.aliquots.aliquot.ce
13 NA's
1 503

patient.samples.sample.5.portions.portion.analytes.analyte.2.aliquots.aliquot.co
0.13 NA's
1 503

patient.samples.sample.5.portions.portion.analytes.analyte.2.aliquots.aliquot.da
9 NA's
1 503

patient.samples.sample.5.portions.portion.analytes.analyte.2.aliquots.aliquot.is
no NA's
1 503

patient.samples.sample.5.portions.portion.analytes.analyte.2.aliquots.aliquot.mo
11 NA's
1 503

patient.samples.sample.5.portions.portion.analytes.analyte.2.aliquots.aliquot.pl
5 NA's
1 503

patient.samples.sample.5.portions.portion.analytes.analyte.2.aliquots.aliquot.pl
2044 NA's
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a NA's
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patient.samples.sample.5.portions.portion.analytes.analyte.2.aliquots.aliquot.qu
2.6 NA's
1 503

patient.samples.sample.5.portions.portion.analytes.analyte.2.aliquots.aliquot.so
22 NA's
1 503

patient.samples.sample.5.portions.portion.analytes.analyte.2.aliquots.aliquot.vo
20 NA's
1 503

patient.samples.sample.5.portions.portion.analytes.analyte.2.aliquots.aliquot.ye
2011 NA's
1 503

patient.samples.sample.5.portions.portion.analytes.analyte.2.amount:
 45.5 NA's
 1 503

patient.samples.sample.5.portions.portion.analytes.analyte.2.analyte_type:
 rna NA's
 1 503

patient.samples.sample.5.portions.portion.analytes.analyte.2.analyte_type_id:
 h NA's
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patient.samples.sample.5.portions.portion.analytes.analyte.2.bcr_analyte_barcode:
 tcga-92-7340-11a-01h NA's
 1 503

patient.samples.sample.5.portions.portion.analytes.analyte.2.bcr_analyte_uuid:
 4caa98e3-1a07-4969-86fb-4ca3d22331d4 NA's
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patient.samples.sample.5.portions.portion.analytes.analyte.2.concentration:
 0.13 NA's
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patient.samples.sample.5.portions.portion.analytes.analyte.2.gel_image_file:
<https://sharedoc.nchri.org/tcga-bcr/default.aspx>
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 NA's
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patient.samples.sample.5.portions.portion.analytes.analyte.2.is_derived_from_ffp:
 no NA's
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patient.samples.sample.5.portions.portion.analytes.analyte.2.protocols.protocol:
 mirvana (allprep dna) rna NA's
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patient.samples.sample.5.portions.portion.analytes.analyte.2.rna.ratio_28s_18s:
 1.58 NA's
 1 503

patient.samples.sample.5.portions.portion.analytes.analyte.2.rna.rinvalue:
 9 NA's
 1 503

patient.samples.sample.5.portions.portion.analytes.analyte.2.spectrophotometer_m
 uv spec NA's
 1 503

patient.samples.sample.5.portions.portion.analytes.analyte.3.aliquots.aliquot.bo

tcga-92-7340-11a-01r-2045-07
1 NA's
503

patient.samples.sample.5.portions.portion.analytes.analyte.3.aliquots.aliquot.bo
3a0a356b-ee3a-4084-81d7-04b74a62dd96 NA's
1 503

patient.samples.sample.5.portions.portion.analytes.analyte.3.aliquots.aliquot.bi
1061604934 NA's
1 503

patient.samples.sample.5.portions.portion.analytes.analyte.3.aliquots.aliquot.ce
7 NA's
1 503

patient.samples.sample.5.portions.portion.analytes.analyte.3.aliquots.aliquot.co
0.14 NA's
1 503

patient.samples.sample.5.portions.portion.analytes.analyte.3.aliquots.aliquot.da
9 NA's
1 503

patient.samples.sample.5.portions.portion.analytes.analyte.3.aliquots.aliquot.is
no NA's
1 503

patient.samples.sample.5.portions.portion.analytes.analyte.3.aliquots.aliquot.mo
11 NA's
1 503

patient.samples.sample.5.portions.portion.analytes.analyte.3.aliquots.aliquot.pl
5 NA's
1 503

patient.samples.sample.5.portions.portion.analytes.analyte.3.aliquots.aliquot.pl
2045 NA's
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patient.samples.sample.5.portions.portion.analytes.analyte.3.aliquots.aliquot.pl
b NA's
1 503

patient.samples.sample.5.portions.portion.analytes.analyte.3.aliquots.aliquot.qu
1.86 NA's
1 503

patient.samples.sample.5.portions.portion.analytes.analyte.3.aliquots.aliquot.so
22 NA's
1 503

patient.samples.sample.5.portions.portion.analytes.analyte.3.aliquots.aliquot.vo

13.3 NA's

1 503

patient.samples.sample.5.portions.portion.analytes.analyte.3.aliquots.aliquot.ye

2011 NA's

1 503

patient.samples.sample.5.portions.portion.analytes.analyte.3.amount:

54.2 NA's

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patient.samples.sample.5.portions.portion.analytes.analyte.3.analyte_type:

rna NA's

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patient.samples.sample.5.portions.portion.analytes.analyte.3.analyte_type_id:

r NA's

1 503

patient.samples.sample.5.portions.portion.analytes.analyte.3.bcr_analyte_barcode

tcga-92-7340-11a-01r

NA's

1

503

patient.samples.sample.5.portions.portion.analytes.analyte.3.bcr_analyte_uuid:

21f9150f-54f0-4eca-8705-8737dcd4c44e

NA's

1

503

patient.samples.sample.5.portions.portion.analytes.analyte.3.concentration:

0.14 NA's

1 503

patient.samples.sample.5.portions.portion.analytes.analyte.3.gel_image_file:

<https://sharedoc.nchri.org/tcga-bcr/default.aspx>

1

NA's

503

patient.samples.sample.5.portions.portion.analytes.analyte.3.is_derived_from_ffp

no NA's

1 503

patient.samples.sample.5.portions.portion.analytes.analyte.3.protocols.protocol.

allprep rna extraction

NA's

1

503

patient.samples.sample.5.portions.portion.analytes.analyte.3.rna.ratio_28s_18s:

1.5 NA's

1 503

patient.samples.sample.5.portions.portion.analytes.analyte.3.rna.rinvalue:

8.8 NA's

1 503

patient.samples.sample.5.portions.portion.analytes.analyte.3.spectrophotometer_m
uv spec NA's
1 503

patient.samples.sample.5.portions.portion.analytes.analyte.4.aliquots.aliquot.bo
tcga-92-7340-11a-01w-2071-08 NA's
1 503

patient.samples.sample.5.portions.portion.analytes.analyte.4.aliquots.aliquot.bo
9a5e8fb5-49e5-4d98-a9a3-8b73e2c13aa3 NA's
1 503

patient.samples.sample.5.portions.portion.analytes.analyte.4.aliquots.aliquot.bi
120997757 NA's
1 503

patient.samples.sample.5.portions.portion.analytes.analyte.4.aliquots.aliquot.ce
8 NA's
1 503

patient.samples.sample.5.portions.portion.analytes.analyte.4.aliquots.aliquot.co
0.5 NA's
1 503

patient.samples.sample.5.portions.portion.analytes.analyte.4.aliquots.aliquot.da
5 NA's
1 503

patient.samples.sample.5.portions.portion.analytes.analyte.4.aliquots.aliquot.is
no NA's
1 503

patient.samples.sample.5.portions.portion.analytes.analyte.4.aliquots.aliquot.mo
12 NA's
1 503

patient.samples.sample.5.portions.portion.analytes.analyte.4.aliquots.aliquot.pl
6 NA's
1 503

patient.samples.sample.5.portions.portion.analytes.analyte.4.aliquots.aliquot.pl
2071 NA's
1 503

patient.samples.sample.5.portions.portion.analytes.analyte.4.aliquots.aliquot.pl
f NA's
1 503

patient.samples.sample.5.portions.portion.analytes.analyte.4.aliquots.aliquot.qu
40 NA's
1 503

```

patient.samples.sample.5.portions.portion.analytes.analyte.4.aliquots.aliquot.so
  22 NA's
  1 503

patient.samples.sample.5.portions.portion.analytes.analyte.4.aliquots.aliquot.vo
  80 NA's
  1 503

patient.samples.sample.5.portions.portion.analytes.analyte.4.aliquots.aliquot.ye
2011 NA's
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patient.samples.sample.5.portions.portion.analytes.analyte.4.amount:
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patient.samples.sample.5.portions.portion.analytes.analyte.4.analyte_type:
repli-g (qiagen) dna          NA's
  1                          503

patient.samples.sample.5.portions.portion.analytes.analyte.4.analyte_type_id:
  w NA's
  1 503

patient.samples.sample.5.portions.portion.analytes.analyte.4.bcr_analyte_barcode
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patient.samples.sample.5.portions.portion.analytes.analyte.4.concentration:
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  1 503

patient.samples.sample.5.portions.portion.analytes.analyte.4.dna.normal_tumor_ge
yes NA's
  1 503

patient.samples.sample.5.portions.portion.analytes.analyte.4.dna.pcr_amplificati
no NA's
  1 503

patient.samples.sample.5.portions.portion.analytes.analyte.4.gel_image_file:
https://sharedoc.nchri.org/tcga-bcr/default.aspx
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  NA's
  503

patient.samples.sample.5.portions.portion.analytes.analyte.4.is_derived_from_ffp

```

no NA's
1 503

patient.samples.sample.5.portions.portion.analytes.analyte.4.protocols.protocol
repli-g NA's
1 503

patient.samples.sample.5.portions.portion.analytes.analyte.4.spectrophotometer_m
picogreen NA's
1 503

patient.samples.sample.5.portions.portion.analytes.analyte.aliquots.aliquot.2.bo
tcga-92-7340-11a-01d-2042-08 NA's
1 503

patient.samples.sample.5.portions.portion.analytes.analyte.aliquots.aliquot.2.bo
1f895c9b-ac4e-4aa9-905a-e7b36d8ad6f5 NA's
1 503

patient.samples.sample.5.portions.portion.analytes.analyte.aliquots.aliquot.2.bi
1061605294 NA's
1 503

patient.samples.sample.5.portions.portion.analytes.analyte.aliquots.aliquot.2.ce
8 NA's
1 503

patient.samples.sample.5.portions.portion.analytes.analyte.aliquots.aliquot.2.co
0.05 NA's
1 503

patient.samples.sample.5.portions.portion.analytes.analyte.aliquots.aliquot.2.da
9 NA's
1 503

patient.samples.sample.5.portions.portion.analytes.analyte.aliquots.aliquot.2.is
no NA's
1 503

patient.samples.sample.5.portions.portion.analytes.analyte.aliquots.aliquot.2.mo
11 NA's
1 503

patient.samples.sample.5.portions.portion.analytes.analyte.aliquots.aliquot.2.pl
5 NA's
1 503

patient.samples.sample.5.portions.portion.analytes.analyte.aliquots.aliquot.2.pl
2042 NA's
1 503

patient.samples.sample.5.portions.portion.analytes.analyte.aliquots.aliquot.2.pl

h NA's
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patient.samples.sample.5.portions.portion.analytes.analyte.aliquots.aliquot.2.qu
 3 NA's
 1 503

patient.samples.sample.5.portions.portion.analytes.analyte.aliquots.aliquot.2.so
 22 NA's
 1 503

patient.samples.sample.5.portions.portion.analytes.analyte.aliquots.aliquot.2.vo
 60 NA's
 1 503

patient.samples.sample.5.portions.portion.analytes.analyte.aliquots.aliquot.2.ye
 2011 NA's
 1 503

patient.samples.sample.5.portions.portion.analytes.analyte.aliquots.aliquot.bcr_
 tcga-92-7340-11a-01d-2041-01 NA's
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patient.samples.sample.5.portions.portion.analytes.analyte.aliquots.aliquot.bcr_
 8c8a9742-6f82-4b5a-8410-d41bala55fe8 NA's
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patient.samples.sample.5.portions.portion.analytes.analyte.aliquots.aliquot.bios
 1061605198 NA's
 1 503

patient.samples.sample.5.portions.portion.analytes.analyte.aliquots.aliquot.cent
 1 NA's
 1 503

patient.samples.sample.5.portions.portion.analytes.analyte.aliquots.aliquot.conc
 0.15 NA's
 1 503

patient.samples.sample.5.portions.portion.analytes.analyte.aliquots.aliquot.day_
 9 NA's
 1 503

patient.samples.sample.5.portions.portion.analytes.analyte.aliquots.aliquot.is_d
 no NA's
 1 503

patient.samples.sample.5.portions.portion.analytes.analyte.aliquots.aliquot.mont
 11 NA's
 1 503

patient.samples.sample.5.portions.portion.analytes.analyte.aliquots.aliquot.plat

5 NA's
1 503

patient.samples.sample.5.portions.portion.analytes.analyte.aliquots.aliquot.plat
2041 NA's
1 503

patient.samples.sample.5.portions.portion.analytes.analyte.aliquots.aliquot.plat
h NA's
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patient.samples.sample.5.portions.portion.analytes.analyte.aliquots.aliquot.quan
1 NA's
1 503

patient.samples.sample.5.portions.portion.analytes.analyte.aliquots.aliquot.sour
22 NA's
1 503

patient.samples.sample.5.portions.portion.analytes.analyte.aliquots.aliquot.vol
6.67 NA's
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patient.samples.sample.5.portions.portion.analytes.analyte.aliquots.aliquot.year
2011 NA's
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patient.samples.sample.5.portions.portion.analytes.analyte.amount:
261 NA's
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patient.samples.sample.5.portions.portion.analytes.analyte.analyte_type:
dna NA's
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patient.samples.sample.5.portions.portion.analytes.analyte.analyte_type_id:
d NA's
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patient.samples.sample.5.portions.portion.analytes.analyte.bcr_analyte_barcode:
tcga-92-7340-11a-01d NA's
1 503

patient.samples.sample.5.portions.portion.analytes.analyte.bcr_analyte_uuid:
d4063b3b-679b-43ba-99ee-4feb50bbfe3b NA's
1 503

patient.samples.sample.5.portions.portion.analytes.analyte.concentration:
0.15 NA's
1 503

patient.samples.sample.5.portions.portion.analytes.analyte.dna.normal_tumor_geno

```

yes NA's
  1  503

patient.samples.sample.5.portions.portion.analytes.analyte.dna.pcr_amplification
no NA's
  1  503

patient.samples.sample.5.portions.portion.analytes.analyte.gel_image_file:
https://sharedoc.nchri.org/tcga-bcr/default.aspx
                                     1
                                     NA's
                                     503

patient.samples.sample.5.portions.portion.analytes.analyte.is_derived_from_ffpe:
no NA's
  1  503

patient.samples.sample.5.portions.portion.analytes.analyte.protocols.protocol.ex
adna preparation type                NA's
                                     1                503

patient.samples.sample.5.portions.portion.analytes.analyte.spectrophotometer_met
picogreen                            NA's
  1                503

patient.samples.sample.5.portions.portion.bcr_portion_barcode:
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patient.samples.sample.5.portions.portion.bcr_portion_uuid:
f2d588c0-95f2-4013-ae53-ac13fb7cab63 NA's
  1                503

patient.samples.sample.5.portions.portion.day_of_creation:
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  1  503

patient.samples.sample.5.portions.portion.is_ffpe:
no NA's
  1  503

patient.samples.sample.5.portions.portion.month_of_creation:
 10 NA's
  1  503

patient.samples.sample.5.portions.portion.portion_number:
  1 NA's
  1  503

patient.samples.sample.5.portions.portion.slides.slide.bcr_slide_barcode:
tcga-92-7340-11a-01-ts1              NA's
  1                503

```

```

patient.samples.sample.5.portions.portion.slides.slide.bcr_slide_uuid:
51562ff0-25ee-4210-baf0-75543e5f1fb8          NA's
          1          503

patient.samples.sample.5.portions.portion.slides.slide.image_file_name:
tcga-92-7340-11a-01-ts1.51562ff0-25ee-4210-baf0-75543e5f1fb8.svs
          1
          NA's
          503

patient.samples.sample.5.portions.portion.slides.slide.is_derived_from_ffpe:
no NA's
  1  503

patient.samples.sample.5.portions.portion.slides.slide.section_location:
top NA's
  1  503

patient.samples.sample.5.portions.portion.weight:
61 NA's
  1  503

patient.samples.sample.5.portions.portion.year_of_creation:
2011 NA's
  1  503

patient.samples.sample.5.sample_type:
solid tissue normal          NA's
          1          503

patient.samples.sample.5.sample_type_id:
11 NA's
  1  503

patient.samples.sample.5.shortest_dimension:
0.3 NA's
  1  503

patient.samples.sample.5.vial_number:
a NA's
  1  503

patient.samples.sample.days_to_collection:
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.    NA's
  20.0  100.5   301.0   909.4 1331.5 5727.0   393

```

```

patient.samples.sample.diagnostic_slides.ffpe_slide_uuid.6:
2bcc33c0-31f2-4354-b954-64bd646f40df 4eef2215-0a0e-478d-81be-207d566e8788
1 1
631ec263-2df0-4d13-982b-14db382a2532 NA's
1 501

patient.samples.sample.diagnostic_slides.ffpe_slide_uuid.7:
4a9f5939-4299-4648-8f62-2a0909e8d3bd 91be6f90-d9ab-4345-a3bd-91805d9761b9
1 1
NA's
502

patient.samples.sample.diagnostic_slides.ffpe_slide_uuid.8:
ec0d10ef-ec0e-4ad2-81fb-907754694e42 NA's
1 503

patient.samples.sample.diagnostic_slides.ffpe_slide_uuid.9:
f05eb71e-b511-4326-9097-5ca191f0100e NA's
1 503

patient.samples.sample.initial_weight:
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.    NA's
  10.0   100.0   165.0   280.3   295.0   2200.0   376

patient.samples.sample.intermediate_dimension:
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.    NA's
  0.10   0.60   0.80   0.82   1.00   2.20   129

patient.samples.sample.is_ffpe:
no
504

patient.samples.sample.longest_dimension:
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.    NA's
  0.200   0.900   1.100   1.241   1.500   3.300   129

patient.samples.sample.oct_embedded:
false true NA's
  46   82   376

patient.samples.sample.portions.portion.2.analytes.analyte.2.a260_a280_ratio:
  1.8 1.86 NA's
  1   1 502

patient.samples.sample.portions.portion.2.analytes.analyte.2.aliquots.aliquot.2.
tcga-21-1076-01a-02r-0691-03 NA's
1 503

```

patient.samples.sample.portions.portion.2.analytes.analyte.2.aliquots.aliquot.2.
43c712dd-0e01-4399-b596-1072d3a25138 NA's
1 503

patient.samples.sample.portions.portion.2.analytes.analyte.2.aliquots.aliquot.2.
3 NA's
1 503

patient.samples.sample.portions.portion.2.analytes.analyte.2.aliquots.aliquot.2.
0.15 NA's
1 503

patient.samples.sample.portions.portion.2.analytes.analyte.2.aliquots.aliquot.2.
18 NA's
1 503

patient.samples.sample.portions.portion.2.analytes.analyte.2.aliquots.aliquot.2.
no NA's
1 503

patient.samples.sample.portions.portion.2.analytes.analyte.2.aliquots.aliquot.2.
11 NA's
1 503

patient.samples.sample.portions.portion.2.analytes.analyte.2.aliquots.aliquot.2.
1 NA's
1 503

patient.samples.sample.portions.portion.2.analytes.analyte.2.aliquots.aliquot.2.
691 NA's
1 503

patient.samples.sample.portions.portion.2.analytes.analyte.2.aliquots.aliquot.2.
f NA's
1 503

patient.samples.sample.portions.portion.2.analytes.analyte.2.aliquots.aliquot.2.
2.51 NA's
1 503

patient.samples.sample.portions.portion.2.analytes.analyte.2.aliquots.aliquot.2.
22 NA's
1 503

patient.samples.sample.portions.portion.2.analytes.analyte.2.aliquots.aliquot.2.
16.7 NA's
1 503

patient.samples.sample.portions.portion.2.analytes.analyte.2.aliquots.aliquot.2.
2009 NA's
1 503

patient.samples.sample.portions.portion.2.analytes.analyte.2.aliquots.aliquot.3.
tcga-21-1076-01a-02r-0692-07 NA's
1 503

patient.samples.sample.portions.portion.2.analytes.analyte.2.aliquots.aliquot.3.
db2c54e8-2023-49de-a116-7bec77297dee NA's
1 503

patient.samples.sample.portions.portion.2.analytes.analyte.2.aliquots.aliquot.3.
7 NA's
1 503

patient.samples.sample.portions.portion.2.analytes.analyte.2.aliquots.aliquot.3.
0.15 NA's
1 503

patient.samples.sample.portions.portion.2.analytes.analyte.2.aliquots.aliquot.3.
18 NA's
1 503

patient.samples.sample.portions.portion.2.analytes.analyte.2.aliquots.aliquot.3.
no NA's
1 503

patient.samples.sample.portions.portion.2.analytes.analyte.2.aliquots.aliquot.3.
11 NA's
1 503

patient.samples.sample.portions.portion.2.analytes.analyte.2.aliquots.aliquot.3.
1 NA's
1 503

patient.samples.sample.portions.portion.2.analytes.analyte.2.aliquots.aliquot.3.
692 NA's
1 503

patient.samples.sample.portions.portion.2.analytes.analyte.2.aliquots.aliquot.3.
f NA's
1 503

patient.samples.sample.portions.portion.2.analytes.analyte.2.aliquots.aliquot.3.
2 NA's
1 503

patient.samples.sample.portions.portion.2.analytes.analyte.2.aliquots.aliquot.3.
22 NA's
1 503

patient.samples.sample.portions.portion.2.analytes.analyte.2.aliquots.aliquot.3.
13.3 NA's
1 503

patient.samples.sample.portions.portion.2.analytes.analyte.2.aliquots.aliquot.3.
 2009 NA's
 1 503

patient.samples.sample.portions.portion.2.analytes.analyte.2.aliquots.aliquot.bo
 tcga-21-1076-01a-02r-0690-01 tcga-98-a53d-01a-32h-a263-13
 1 1
 NA's
 502

patient.samples.sample.portions.portion.2.analytes.analyte.2.aliquots.aliquot.bo
 154d17eb-4c3d-42be-b3da-6afd44a2368d cc27ae96-52c5-452a-9028-6c8df7f2eb19
 1 1
 NA's
 502

patient.samples.sample.portions.portion.2.analytes.analyte.2.aliquots.aliquot.bi
 128923924 NA's
 1 503

patient.samples.sample.portions.portion.2.analytes.analyte.2.aliquots.aliquot.ce
 1 13 NA's
 1 1 502

patient.samples.sample.portions.portion.2.analytes.analyte.2.aliquots.aliquot.co
 0.15 0.16 NA's
 1 1 502

patient.samples.sample.portions.portion.2.analytes.analyte.2.aliquots.aliquot.da
 18 30 NA's
 1 1 502

patient.samples.sample.portions.portion.2.analytes.analyte.2.aliquots.aliquot.is
 no NA's
 2 502

patient.samples.sample.portions.portion.2.analytes.analyte.2.aliquots.aliquot.mo
 1 11 NA's
 1 1 502

patient.samples.sample.portions.portion.2.analytes.analyte.2.aliquots.aliquot.pl
 1 5 NA's
 1 1 502

patient.samples.sample.portions.portion.2.analytes.analyte.2.aliquots.aliquot.pl
 0690 a263 NA's
 1 1 502

patient.samples.sample.portions.portion.2.analytes.analyte.2.aliquots.aliquot.pl
 d f NA's
 1 1 502

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patient.samples.sample.portions.portion.2.analytes.analyte.2.aliquots.aliquot.quantity
3 3.2 NA's
1 1 502

patient.samples.sample.portions.portion.2.analytes.analyte.2.aliquots.aliquot.size
22 23 NA's
1 1 502

patient.samples.sample.portions.portion.2.analytes.analyte.2.aliquots.aliquot.volume
20 NA's
2 502

patient.samples.sample.portions.portion.2.analytes.analyte.2.aliquots.aliquot.years
2009 2013 NA's
1 1 502

patient.samples.sample.portions.portion.2.analytes.analyte.2.amount:
14.16 310 NA's
1 1 502

patient.samples.sample.portions.portion.2.analytes.analyte.2.analyte_type:
rna NA's
2 502

patient.samples.sample.portions.portion.2.analytes.analyte.2.analyte_type_id:
h r NA's
1 1 502

patient.samples.sample.portions.portion.2.analytes.analyte.2.bcr_analyte_barcode
tcga-21-1076-01a-02r tcga-98-a53d-01a-32h NA's
1 1 502

patient.samples.sample.portions.portion.2.analytes.analyte.2.bcr_analyte_uuid:
a6281888-449e-4990-a8ff-2a504568ed62 cde14f25-c212-4244-b55b-b619d702e319
1 1
NA's
502

patient.samples.sample.portions.portion.2.analytes.analyte.2.concentration:
0.15 0.16 NA's
1 1 502

patient.samples.sample.portions.portion.2.analytes.analyte.2.gel_image_file:
https://sharedoc.nchri.org/tcga-bcr/default.aspx
2
NA's
502

patient.samples.sample.portions.portion.2.analytes.analyte.2.is_derived_from_ffp
no NA's
2 502

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patient.samples.sample.portions.portion.2.analytes.analyte.2.protocols.protocol.
  allprep rna extraction mirvana (allprep dna) rna NA's
                1                1                502

patient.samples.sample.portions.portion.2.analytes.analyte.2.rna.ratio_28s_18s:
1.16 1.8 NA's
    1  1  502

patient.samples.sample.portions.portion.2.analytes.analyte.2.rna.rinvalue:
7.2 8.5 NA's
    1  1  502

patient.samples.sample.portions.portion.2.analytes.analyte.2.spectrophotometer_m
uv spec NA's
    2    502

patient.samples.sample.portions.portion.2.analytes.analyte.2.subportion_sequence
  2 NA's
    1  503

patient.samples.sample.portions.portion.2.analytes.analyte.3.a260_a280_ratio:
1.9 NA's
    1  503

patient.samples.sample.portions.portion.2.analytes.analyte.3.aliquots.aliquot.bo
tcga-21-1076-01a-02t-0693-07 tcga-98-a53d-01a-32r-a262-07
                1                1
                NA's
                502

patient.samples.sample.portions.portion.2.analytes.analyte.3.aliquots.aliquot.bo
32618f86-4f65-4370-8339-5faad4fa59d5 87e388aa-7db3-449e-b5d6-8f70f3eb6a5c
                1                1
                NA's
                502

patient.samples.sample.portions.portion.2.analytes.analyte.3.aliquots.aliquot.bi
132159124 NA's
    1    503

patient.samples.sample.portions.portion.2.analytes.analyte.3.aliquots.aliquot.ce
  7 NA's
    2  502

patient.samples.sample.portions.portion.2.analytes.analyte.3.aliquots.aliquot.co
0.1 0.17 NA's
    1  1  502

patient.samples.sample.portions.portion.2.analytes.analyte.3.aliquots.aliquot.da
18 30 NA's
    1  1  502

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patient.samples.sample.portions.portion.2.analytes.analyte.3.aliquots.aliquot.is
no NA's
2 502

patient.samples.sample.portions.portion.2.analytes.analyte.3.aliquots.aliquot.mo
1 11 NA's
1 1 502

patient.samples.sample.portions.portion.2.analytes.analyte.3.aliquots.aliquot.pl
1 5 NA's
1 1 502

patient.samples.sample.portions.portion.2.analytes.analyte.3.aliquots.aliquot.pl
0693 a262 NA's
1 1 502

patient.samples.sample.portions.portion.2.analytes.analyte.3.aliquots.aliquot.pl
d f NA's
1 1 502

patient.samples.sample.portions.portion.2.analytes.analyte.3.aliquots.aliquot.qu
1 2.21 NA's
1 1 502

patient.samples.sample.portions.portion.2.analytes.analyte.3.aliquots.aliquot.so
22 23 NA's
1 1 502

patient.samples.sample.portions.portion.2.analytes.analyte.3.aliquots.aliquot.vo
10 13 NA's
1 1 502

patient.samples.sample.portions.portion.2.analytes.analyte.3.aliquots.aliquot.ye
2009 2013 NA's
1 1 502

patient.samples.sample.portions.portion.2.analytes.analyte.3.amount:
12.48 76.5 NA's
1 1 502

patient.samples.sample.portions.portion.2.analytes.analyte.3.analyte_type:
rna total rna NA's
1 1 502

patient.samples.sample.portions.portion.2.analytes.analyte.3.analyte_type_id:
r t NA's
1 1 502

patient.samples.sample.portions.portion.2.analytes.analyte.3.bcr_analyte_barcode
tcga-21-1076-01a-02t tcga-98-a53d-01a-32r NA's
1 1 502

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patient.samples.sample.portions.portion.2.analytes.analyte.3.bcr_analyte_uuid:
19ae9619-973f-4f5c-8827-c653b5ba4a12 3df11d7e-0bdd-4757-b4e2-66bd5e8ef073
      1                                     1
      NA's
      502

patient.samples.sample.portions.portion.2.analytes.analyte.3.concentration:
0.1 0.17 NA's
  1   1  502

patient.samples.sample.portions.portion.2.analytes.analyte.3.gel_image_file:
https://sharedoc.nchri.org/tcga-bcr/default.aspx
      2
      NA's
      502

patient.samples.sample.portions.portion.2.analytes.analyte.3.is_derived_from_ffp:
no NA's
  2  502

patient.samples.sample.portions.portion.2.analytes.analyte.3.protocols.protocol:
allprep rna extraction          total rna          NA's
      1                               1                   502

patient.samples.sample.portions.portion.2.analytes.analyte.3.rna.ratio_28s_18s:
0.96 1.33 NA's
  1   1  502

patient.samples.sample.portions.portion.2.analytes.analyte.3.rna.rinvalue:
6.9  7.1 NA's
  1   1  502

patient.samples.sample.portions.portion.2.analytes.analyte.3.spectrophotometer_m:
uv spec      NA's
  2         502

patient.samples.sample.portions.portion.2.analytes.analyte.3.subportion_sequence:
  2 NA's
  1  503

patient.samples.sample.portions.portion.2.analytes.analyte.4.aliquots.aliquot.2:
tcga-21-1076-01a-02w-0782-08          NA's
      1                               503

patient.samples.sample.portions.portion.2.analytes.analyte.4.aliquots.aliquot.2:
3f5781a0-64dd-47f2-8d78-2758ba6c9887          NA's
      1                               503

patient.samples.sample.portions.portion.2.analytes.analyte.4.aliquots.aliquot.2:
89575998          NA's
  1         503

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patient.samples.sample.portions.portion.2.analytes.analyte.4.aliquots.aliquot.2.
8 NA's
1 503

patient.samples.sample.portions.portion.2.analytes.analyte.4.aliquots.aliquot.2.
0.5 NA's
1 503

patient.samples.sample.portions.portion.2.analytes.analyte.4.aliquots.aliquot.2.
13 NA's
1 503

patient.samples.sample.portions.portion.2.analytes.analyte.4.aliquots.aliquot.2.
no NA's
1 503

patient.samples.sample.portions.portion.2.analytes.analyte.4.aliquots.aliquot.2.
1 NA's
1 503

patient.samples.sample.portions.portion.2.analytes.analyte.4.aliquots.aliquot.2.
1 NA's
1 503

patient.samples.sample.portions.portion.2.analytes.analyte.4.aliquots.aliquot.2.
782 NA's
1 503

patient.samples.sample.portions.portion.2.analytes.analyte.4.aliquots.aliquot.2.
g NA's
1 503

patient.samples.sample.portions.portion.2.analytes.analyte.4.aliquots.aliquot.2.
30 NA's
1 503

patient.samples.sample.portions.portion.2.analytes.analyte.4.aliquots.aliquot.2.
22 NA's
1 503

patient.samples.sample.portions.portion.2.analytes.analyte.4.aliquots.aliquot.2.
60 NA's
1 503

patient.samples.sample.portions.portion.2.analytes.analyte.4.aliquots.aliquot.2.
2010 NA's
1 503

patient.samples.sample.portions.portion.2.analytes.analyte.4.aliquots.aliquot.3.
tcga-21-1076-01a-02w-0783-09 NA's
1 503

patient.samples.sample.portions.portion.2.analytes.analyte.4.aliquots.aliquot.3.
711e9121-29d4-49fa-b9f6-88e458266c10 NA's
1 503

patient.samples.sample.portions.portion.2.analytes.analyte.4.aliquots.aliquot.3.
89576382 NA's
1 503

patient.samples.sample.portions.portion.2.analytes.analyte.4.aliquots.aliquot.3.
9 NA's
1 503

patient.samples.sample.portions.portion.2.analytes.analyte.4.aliquots.aliquot.3.
0.5 NA's
1 503

patient.samples.sample.portions.portion.2.analytes.analyte.4.aliquots.aliquot.3.
13 NA's
1 503

patient.samples.sample.portions.portion.2.analytes.analyte.4.aliquots.aliquot.3.
no NA's
1 503

patient.samples.sample.portions.portion.2.analytes.analyte.4.aliquots.aliquot.3.
1 NA's
1 503

patient.samples.sample.portions.portion.2.analytes.analyte.4.aliquots.aliquot.3.
1 NA's
1 503

patient.samples.sample.portions.portion.2.analytes.analyte.4.aliquots.aliquot.3.
783 NA's
1 503

patient.samples.sample.portions.portion.2.analytes.analyte.4.aliquots.aliquot.3.
g NA's
1 503

patient.samples.sample.portions.portion.2.analytes.analyte.4.aliquots.aliquot.3.
30 NA's
1 503

patient.samples.sample.portions.portion.2.analytes.analyte.4.aliquots.aliquot.3.
22 NA's
1 503

patient.samples.sample.portions.portion.2.analytes.analyte.4.aliquots.aliquot.3.
60 NA's
1 503

patient.samples.sample.portions.portion.2.analytes.analyte.4.aliquots.aliquot.3.
 2010 NA's
 1 503

patient.samples.sample.portions.portion.2.analytes.analyte.4.aliquots.aliquot.bo
 tcga-21-1076-01a-02w-0781-10 tcga-98-a53d-01a-32w-a30p-08
 1 1
 NA's
 502

patient.samples.sample.portions.portion.2.analytes.analyte.4.aliquots.aliquot.bo
 517aa73c-b12f-43fb-afa1-9cdb37519251 f94959c7-d2a8-478d-9407-8aaea6c0217e
 1 1
 NA's
 502

patient.samples.sample.portions.portion.2.analytes.analyte.4.aliquots.aliquot.bi
 150704842 NA's
 1 503

patient.samples.sample.portions.portion.2.analytes.analyte.4.aliquots.aliquot.ce
 8 10 NA's
 1 1 502

patient.samples.sample.portions.portion.2.analytes.analyte.4.aliquots.aliquot.co
 0.5 NA's
 2 502

patient.samples.sample.portions.portion.2.analytes.analyte.4.aliquots.aliquot.da
 12 13 NA's
 1 1 502

patient.samples.sample.portions.portion.2.analytes.analyte.4.aliquots.aliquot.is
 no NA's
 2 502

patient.samples.sample.portions.portion.2.analytes.analyte.4.aliquots.aliquot.mo
 1 6 NA's
 1 1 502

patient.samples.sample.portions.portion.2.analytes.analyte.4.aliquots.aliquot.pl
 1 11 NA's
 1 1 502

patient.samples.sample.portions.portion.2.analytes.analyte.4.aliquots.aliquot.pl
 0781 a30p NA's
 1 1 502

patient.samples.sample.portions.portion.2.analytes.analyte.4.aliquots.aliquot.pl
 g h NA's
 1 1 502

```
patient.samples.sample.portions.portion.2.analytes.analyte.4.aliquots.aliquot.qu
  30  40 NA's
  1   1  502

patient.samples.sample.portions.portion.2.analytes.analyte.4.aliquots.aliquot.so
  22  23 NA's
  1   1  502

patient.samples.sample.portions.portion.2.analytes.analyte.4.aliquots.aliquot.vo
  60  80 NA's
  1   1  502

patient.samples.sample.portions.portion.2.analytes.analyte.4.aliquots.aliquot.ye
2010 2013 NA's
  1   1  502

patient.samples.sample.portions.portion.2.analytes.analyte.4.amount:
  20 NA's
  1  503

patient.samples.sample.portions.portion.2.analytes.analyte.4.analyte_type:
repli-g (qiagen) dna          NA's
                   2          502

patient.samples.sample.portions.portion.2.analytes.analyte.4.analyte_type_id:
  w NA's
  2  502

patient.samples.sample.portions.portion.2.analytes.analyte.4.bcr_analyte_barcode
tcga-21-1076-01a-02w tcga-98-a53d-01a-32w          NA's
                   1                   1          502

patient.samples.sample.portions.portion.2.analytes.analyte.4.bcr_analyte_uuid:
4689f3ba-cd64-40ef-ae21-c2c4a82ffef6 516f4c60-f155-4045-9b2b-b7105cc7da8d
                   1                   1
                   NA's
                   502

patient.samples.sample.portions.portion.2.analytes.analyte.4.concentration:
  0.5 NA's
  1  503

patient.samples.sample.portions.portion.2.analytes.analyte.4.dna.normal_tumor_ge
yes NA's
  2  502

patient.samples.sample.portions.portion.2.analytes.analyte.4.dna.pcr_amplificati
no yes NA's
  1   1  502

patient.samples.sample.portions.portion.2.analytes.analyte.4.gel_image_file:
https://sharedoc.nchri.org/tcga-bcr/default.aspx
```

2
NA's
502

patient.samples.sample.portions.portion.2.analytes.analyte.4.is_derived_from_ffp
no NA's
2 502

patient.samples.sample.portions.portion.2.analytes.analyte.4.protocols.protocol.
repli-g NA's
2 502

patient.samples.sample.portions.portion.2.analytes.analyte.4.spectrophotometer_m
uv spec NA's
1 503

patient.samples.sample.portions.portion.2.analytes.analyte.4.subportion_sequence
2 NA's
1 503

patient.samples.sample.portions.portion.2.analytes.analyte.a260_a280_ratio:
1.9 NA's
1 503

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.2.bo
tcga-21-1076-01a-02d-0686-04 tcga-98-a53d-01a-32d-a26m-08
1 1
NA's
502

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.2.bo
756ce59f-b325-4240-a48f-8880d0f9e167 cfaf3e78-a98b-435d-82a0-bc7ce8fb624e
1 1
NA's
502

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.2.bi
145676170 NA's
1 503

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.2.ce
4 8 NA's
1 1 502

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.2.co
0.08 0.15 NA's
1 1 502

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.2.da
18 27 NA's
1 1 502


```

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.2.is
no NA's
2 502

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.2.mo
2 11 NA's
1 1 502

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.2.pl
1 11 NA's
1 1 502

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.2.pl
0686 a26m NA's
1 1 502

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.2.pl
f h NA's
1 1 502

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.2.qu
3.2 4.01 NA's
1 1 502

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.2.so
22 23 NA's
1 1 502

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.2.vo
26.7 40 NA's
1 1 502

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.2.ye
2009 2013 NA's
1 1 502

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.3.bo
tcga-21-1076-01a-02d-0687-06 tcga-98-a53d-01a-32d-a26n-05
1 1
NA's
502

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.3.bo
6c7807d1-1344-4234-8ceb-b105c905ff9a f7e5bed6-9d82-48cb-9b8b-73cade6abd3a
1 1
NA's
502

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.3.bi
145673290 NA's
1 503

```

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.3.ce
 5 6 NA's
 1 1 502

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.3.co
 0.15 0.16 NA's
 1 1 502

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.3.da
 18 27 NA's
 1 1 502

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.3.is
 no NA's
 2 502

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.3.mo
 2 11 NA's
 1 1 502

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.3.pl
 1 11 NA's
 1 1 502

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.3.pl
 0687 a26n NA's
 1 1 502

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.3.pl
 f h NA's
 1 1 502

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.3.qu
 2 2.08 NA's
 1 1 502

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.3.so
 22 23 NA's
 1 1 502

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.3.vo
 13 13.3 NA's
 1 1 502

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.3.ye
 2009 2013 NA's
 1 1 502

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.4.bo
 tcga-21-1076-01a-02d-0688-02 NA's
 1 503

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.4.bo
6e302eeb-d744-49e5-88ce-958746c6cdfd NA's
1 503

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.4.ce
2 NA's
1 503

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.4.co
0.15 NA's
1 503

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.4.da
18 NA's
1 503

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.4.is
no NA's
1 503

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.4.mo
11 NA's
1 503

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.4.pl
1 NA's
1 503

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.4.pl
688 NA's
1 503

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.4.pl
f NA's
1 503

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.4.qu
3 NA's
1 503

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.4.so
22 NA's
1 503

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.4.vo
20 NA's
1 503

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.4.ye
2009 NA's
1 503

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.5.bo
tcga-21-1076-01a-02d-0689-05 NA's
1 503

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.5.bo
7b5acacf-c56b-4753-82f1-cbaf43b13ad4 NA's
1 503

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.5.ce
5 NA's
1 503

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.5.co
0.15 NA's
1 503

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.5.da
18 NA's
1 503

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.5.is
no NA's
1 503

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.5.mo
11 NA's
1 503

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.5.pl
1 NA's
1 503

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.5.pl
689 NA's
1 503

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.5.pl
f NA's
1 503

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.5.qu
2 NA's
1 503

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.5.so
22 NA's
1 503

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.5.vo
13.3 NA's
1 503

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.5.ye
2009 NA's
1 503

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.6.bo
tcga-21-1076-01a-02d-1521-08 NA's
1 503

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.6.bo
504d4cb0-d2dd-420d-82e6-9ec14434a0fc NA's
1 503

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.6.bi
1049950102 NA's
1 503

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.6.ce
8 NA's
1 503

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.6.co
0.05 NA's
1 503

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.6.da
31 NA's
1 503

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.6.is
no NA's
1 503

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.6.mo
1 NA's
1 503

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.6.pl
1 NA's
1 503

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.6.pl
1521 NA's
1 503

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.6.pl
d NA's
1 503

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.6.qu
2 NA's
1 503

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.6.sc
22 NA's
1 503

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.6.vo
40 NA's
1 503

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.6.ye
2011 NA's
1 503

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.7.bo
tcga-21-1076-01a-02d-2250-01 NA's
1 503

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.7.bo
f02b859d-022d-4df0-a5c7-58ebe45c1996 NA's
1 503

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.7.bi
125245941 NA's
1 503

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.7.ce
1 NA's
1 503

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.7.co
0.15 NA's
1 503

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.7.da
29 NA's
1 503

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.7.is
no NA's
1 503

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.7.mo
8 NA's
1 503

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.7.pl
1 NA's
1 503

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.7.pl
2250 NA's
1 503

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.7.pl
 a NA's
 1 503

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.7.qu
 1.2 NA's
 1 503

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.7.sc
 22 NA's
 1 503

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.7.vo
 8 NA's
 1 503

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.7.ye
 2012 NA's
 1 503

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.bcr_
 tcga-21-1076-01a-02d-0685-01 tcga-98-a53d-01a-32d-a261-01
 1 1
 NA's
 502

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.bcr_
 0dce0e07-e8cb-424c-b5c5-f9249737135e ed150d83-2f82-4f89-b0d7-1500e471e4a4
 1 1
 NA's
 502

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.bios
 145673482 NA's
 1 503

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.cent
 1 NA's
 2 502

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.conc
 0.15 0.16 NA's
 1 1 502

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.day_
 18 27 NA's
 1 1 502

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.is_d
 no NA's
 2 502

```

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.mont
  2  11 NA's
  1   1  502

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.plat
  1  11 NA's
  1   1  502

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.plat
0685 a261 NA's
  1   1  502

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.plat
  f   h NA's
  1   1  502

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.quant
1.01 1.07 NA's
  1   1  502

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.sour
  22  23 NA's
  1   1  502

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.volun
  6.7 NA's
  2  502

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.year
2009 2013 NA's
  1   1  502

patient.samples.sample.portions.portion.2.analytes.analyte.amount:
19.67 423.7 NA's
  1   1  502

patient.samples.sample.portions.portion.2.analytes.analyte.analyte_type:
  dna NA's
  2  502

patient.samples.sample.portions.portion.2.analytes.analyte.analyte_type_id:
  d NA's
  2  502

patient.samples.sample.portions.portion.2.analytes.analyte.bcr_analyte_barcode:
tcga-21-1076-01a-02d tcga-98-a53d-01a-32d NA's
  1 1 502

patient.samples.sample.portions.portion.2.analytes.analyte.bcr_analyte_uuid:
924e8649-bbd1-449f-a342-856a57900cca dab4024e-a9a4-4972-b7c3-14302d957cca
  1 1
  NA's

```


502

patient.samples.sample.portions.portion.2.analytes.analyte.concentration:
 0.15 0.16 NA's
 1 1 502

patient.samples.sample.portions.portion.2.analytes.analyte.dna.normal_tumor_gene:
 yes NA's
 2 502

patient.samples.sample.portions.portion.2.analytes.analyte.dna.pcr_amplification:
 yes NA's
 2 502

patient.samples.sample.portions.portion.2.analytes.analyte.gel_image_file:
<https://sharedoc.nchri.org/tcga-bcr/default.aspx>
 2
 NA's
 502

patient.samples.sample.portions.portion.2.analytes.analyte.is_derived_from_ffpe:
 no NA's
 2 502

patient.samples.sample.portions.portion.2.analytes.analyte.protocols.protocol.execution:
 adna preparation type NA's
 2 502

patient.samples.sample.portions.portion.2.analytes.analyte.spectrophotometer_method:
 picogreen uv spec NA's
 1 1 502

patient.samples.sample.portions.portion.2.analytes.analyte.subportion_sequence:
 2 NA's
 1 503

patient.samples.sample.portions.portion.2.bcr_portion_barcode:
 tcga-21-1076-01a-02 tcga-98-a53d-01a-32 NA's
 1 1 502

patient.samples.sample.portions.portion.2.bcr_portion_uuid:
 bc4e974e-1557-4f01-a98e-c7a4ba634446 bf423cb4-794c-4b0e-b2b8-82bf7e92d927
 1 1
 NA's
 502

patient.samples.sample.portions.portion.2.day_of_creation:
 4 5 NA's
 1 1 502

patient.samples.sample.portions.portion.2.is_ffpe:
 no NA's

2 502

patient.samples.sample.portions.portion.2.month_of_creation:

2 12 NA's
1 1 502

patient.samples.sample.portions.portion.2.portion_number:

2 32 NA's
1 1 502

patient.samples.sample.portions.portion.2.portion_sequence:

3 NA's
1 503

patient.samples.sample.portions.portion.2.slides.slide.2.bcr_slide_barcode:

tcga-21-1076-01a-02-bs2 NA's
1 503

patient.samples.sample.portions.portion.2.slides.slide.2.bcr_slide_uuid:

c8953346-e558-46f7-aeef-792a4d2b448f NA's
1 503

patient.samples.sample.portions.portion.2.slides.slide.2.image_file_name:

tcga-21-1076-01a-02-bs2.c8953346-e558-46f7-aeef-792a4d2b448f.svs
1
NA's
503

patient.samples.sample.portions.portion.2.slides.slide.2.is_derived_from_ffpe:

no NA's
1 503

patient.samples.sample.portions.portion.2.slides.slide.2.section_location:

bottom NA's
1 503

patient.samples.sample.portions.portion.2.slides.slide.bcr_slide_barcode:

tcga-21-1076-01a-01-bs1 tcga-98-a53d-01a-03-ts3 NA's
1 1 502

patient.samples.sample.portions.portion.2.slides.slide.bcr_slide_uuid:

7c3e12f1-2db9-464d-afc3-5a902abdaa00 aed40d68-da68-4be6-8170-02d7d5e3ea34
1 1
NA's
502

patient.samples.sample.portions.portion.2.slides.slide.image_file_name:

tcga-21-1076-01a-01-bs1.7c3e12f1-2db9-464d-afc3-5a902abdaa00.svs
1
tcga-98-a53d-01a-03-ts3.aed40d68-da68-4be6-8170-02d7d5e3ea34.svs
1
NA's

502

patient.samples.sample.portions.portion.2.slides.slide.is_derived_from_ffpe:
 no NA's
 2 502

patient.samples.sample.portions.portion.2.slides.slide.percent_lymphocyte_infiltration:
 4 NA's
 1 503

patient.samples.sample.portions.portion.2.slides.slide.percent_monocyte_infiltration:
 2 NA's
 1 503

patient.samples.sample.portions.portion.2.slides.slide.percent_necrosis:
 0 NA's
 1 503

patient.samples.sample.portions.portion.2.slides.slide.percent_neutrophil_infiltration:
 3 NA's
 1 503

patient.samples.sample.portions.portion.2.slides.slide.percent_normal_cells:
 0 NA's
 1 503

patient.samples.sample.portions.portion.2.slides.slide.percent_stromal_cells:
 30 NA's
 1 503

patient.samples.sample.portions.portion.2.slides.slide.percent_tumor_cells:
 70 NA's
 1 503

patient.samples.sample.portions.portion.2.slides.slide.percent_tumor_nuclei:
 70 NA's
 1 503

patient.samples.sample.portions.portion.2.slides.slide.section_location:
 top NA's
 2 502

patient.samples.sample.portions.portion.2.weight:
 20 111 NA's
 1 1 502

patient.samples.sample.portions.portion.2.year_of_creation:
 2009 2012 NA's
 1 1 502

patient.samples.sample.portions.portion.analytes.analyte.2.a260_a280_ratio:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's

1.60 1.80 1.80 1.82 1.86 2.11 144

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.2.bi

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
96504404	96504823	98887256	98147378	98887408	100504261	392

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.2.ce

	NA's
3	7
123	11
	370

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.2.co

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0.0900	0.1400	0.1500	0.1481	0.1500	0.1700	370

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.2.da

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
2.00	2.00	10.00	12.18	18.00	30.00	370

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.2.is

	NA's
	no NA's
134	370

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.2.mo

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
3.000	3.000	6.000	6.119	8.000	11.000	370

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.2.pl

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1.000	1.000	2.000	2.672	4.000	6.000	370

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.2.pl

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
691.0	850.0	850.0	939.8	1030.0	1200.0	370

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.2.qu

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1.500	2.340	2.510	2.434	2.510	2.840	370

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.2.so

	NA's
22	NA's
134	370

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.2.vo

	NA's
13.3	16.7
11	123
	370

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.2.ye

	NA's
2009	2010
22	112
	370

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patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.3.bi
  Min. 1st Qu.  Median      Mean 3rd Qu.    Max.    NA's
96504459 96504540 98884144 98149872 98889327 100518757    392

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.3.ce
  1    7 NA's
47   87 370

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.3.co
  Min. 1st Qu.  Median      Mean 3rd Qu.    Max.    NA's
0.0900 0.1400 0.1500 0.1481 0.1500 0.1700    370

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.3.da
  Min. 1st Qu.  Median      Mean 3rd Qu.    Max.    NA's
2.00    2.00 10.00 12.18 18.00 30.00    370

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.3.is
  no NA's
134 370

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.3.mo
  Min. 1st Qu.  Median      Mean 3rd Qu.    Max.    NA's
3.000 3.000 6.000 6.119 8.000 11.000    370

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.3.pl
  Min. 1st Qu.  Median      Mean 3rd Qu.    Max.    NA's
1.000 1.000 2.000 2.672 4.000 6.000    370

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.3.pl
  Min. 1st Qu.  Median      Mean 3rd Qu.    Max.    NA's
692.0 851.0 851.0 940.8 1031.0 1201.0    370

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.3.qu
  Min. 1st Qu.  Median      Mean 3rd Qu.    Max.    NA's
0.790 2.000 2.000 2.307 2.800 3.400    370

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.3.so
  22 NA's
134 370

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.3.vo
  8.8 13.3 20 NA's
  1 87 46 370

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.3.ye
2009 2010 NA's
  22 112 370

```


patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.4.sc
 23 NA's
 2 502

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.4.vo
 13 NA's
 2 502

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.4.ye
 2013 NA's
 2 502

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.bios
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 9.651e+07 1.040e+08 1.210e+08 1.978e+08 1.456e+08 1.076e+09 24

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.cent
 1 3 7 13 NA's
 87 11 85 319 2

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.conc
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 0.0900 0.1500 0.1500 0.1534 0.1600 0.1800 2

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.day_
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 4.00 10.00 15.00 17.55 27.00 30.00 2

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.is_d
 no NA's
 502 2

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.mont
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 1.000 3.000 5.000 5.482 8.000 12.000 2

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.plat
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 1.00 2.00 3.00 3.59 5.00 12.00 2

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.quan
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 2.000 3.000 3.200 3.215 3.400 4.540 2

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.sour
 22 23 NA's
 375 127 2

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.volu
 13.3 16.7 20 26.7 NA's
 2 11 406 83 2

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.year
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 2009 2010 2011 2011 2012 2014 2

patient.samples.sample.portions.portion.analytes.analyte.2.amount:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 0.0 34.5 127.2 166.7 249.0 979.0 2

patient.samples.sample.portions.portion.analytes.analyte.2.analyte_type:
 rna NA's
 502 2

patient.samples.sample.portions.portion.analytes.analyte.2.analyte_type_id:
 h r NA's
 319 183 2

patient.samples.sample.portions.portion.analytes.analyte.2.concentration:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 0.0900 0.1500 0.1500 0.1534 0.1600 0.1800 2

patient.samples.sample.portions.portion.analytes.analyte.2.gel_image_file:
<https://sharedoc.nchri.org/tcga-bcr/default.aspx>
 502
 NA's
 2

patient.samples.sample.portions.portion.analytes.analyte.2.is_derived_from_ffpe:
 no NA's
 502 2

patient.samples.sample.portions.portion.analytes.analyte.2.protocols.protocol.ex
 allprep rna extraction mirvana (allprep dna) rna NA's
 183 319 2

patient.samples.sample.portions.portion.analytes.analyte.2.rna.ratio_28s_18s:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 0.000 1.350 1.500 1.532 1.690 6.400 2

patient.samples.sample.portions.portion.analytes.analyte.2.rna.rinvalue:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 0.000 7.800 8.500 8.429 9.000 10.000 2

patient.samples.sample.portions.portion.analytes.analyte.2.spectrophotometer_met
 uv spec NA's
 502 2


```

patient.samples.sample.portions.portion.analytes.analyte.2.subportion_sequence:
  1    2 NA's
305  14 185

patient.samples.sample.portions.portion.analytes.analyte.3.a260_a280_ratio:
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.    NA's
1.440  1.800  1.840  1.829  1.890  2.130  327

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.2.bi
  Min.  1st Qu.  Median    Mean  3rd Qu.    Max.    NA's
9.885e+07 9.885e+07 1.050e+09 7.499e+08 1.050e+09 1.050e+09 390

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.2.ce
  7   13 NA's
36  78 390

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.2.co
  0.1 0.14 NA's
113  1 390

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.2.da
  2  14  26  30 NA's
35  61  17  1 390

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.2.is
  no NA's
114 390

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.2.mo
  1  2  4  6 NA's
17 61  1 35 390

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.2.pl
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.    NA's
1.000  2.000  4.000  4.228  6.000 12.000  390

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.2.pl
1032 1517 1557 a28v NA's
  35  17  61  1 390

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.2.qu
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.    NA's
0.280  1.000  3.000  2.361  3.000  3.000  390

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.2.so
  22  23 NA's
113  1 390

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.2.vo

```

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
2.80	10.00	30.00	23.56	30.00	30.00	390

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.2.ye
2010 2011 2013 NA's
35 78 1 390

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
9.651e+07	1.040e+08	1.210e+08	1.979e+08	1.456e+08	1.076e+09	24

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.cent
7 13 NA's
417 85 2

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0.100	0.100	0.140	0.136	0.160	0.180	2

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.day_
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
4.00 10.00 15.00 17.42 27.00 30.00 2

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.is_d
no NA's
502 2

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1.000	3.000	5.000	5.482	8.000	12.000	2

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.plat
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
1.000 2.000 3.000 3.697 5.000 12.000 2

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1.000	1.860	2.000	2.019	2.340	4.010	2

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.sour
22 23 NA's
375 127 2

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
10.00	13.00	13.30	15.42	13.30	30.00	2

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.year

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
2009	2010	2011	2011	2012	2014	2

patient.samples.sample.portions.portion.analytes.analyte.3.amount:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0.00	27.62	66.00	96.88	143.12	529.00	2

patient.samples.sample.portions.portion.analytes.analyte.3.analyte_type:

rna total	rna	NA's
319	183	2

patient.samples.sample.portions.portion.analytes.analyte.3.analyte_type_id:

r	t	NA's
319	183	2

patient.samples.sample.portions.portion.analytes.analyte.3.concentration:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0.100	0.100	0.140	0.136	0.160	0.180	2

patient.samples.sample.portions.portion.analytes.analyte.3.gel_image_file:

<https://sharedoc.nchri.org/tcga-bcr/default.aspx>

	NA's
502	2

patient.samples.sample.portions.portion.analytes.analyte.3.is_derived_from_ffpe:

no	NA's
502	2

patient.samples.sample.portions.portion.analytes.analyte.3.protocols.protocol.extraction:

allprep	rna extraction	total rna	NA's
	319	183	2

patient.samples.sample.portions.portion.analytes.analyte.3.rna.ratio_28s_18s:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0.000	1.250	1.420	1.402	1.600	2.380	34

patient.samples.sample.portions.portion.analytes.analyte.3.rna.rinvalue:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
3.600	7.600	8.200	8.153	8.700	10.000	34

patient.samples.sample.portions.portion.analytes.analyte.3.spectrophotometer_method:

uv spec	NA's
502	2

patient.samples.sample.portions.portion.analytes.analyte.3.subportion_sequence:

1	2	NA's
305	14	185

patient.samples.sample.portions.portion.analytes.analyte.4.aliquots.aliquot.2.bi
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 89575996 96491650 96491716 96556523 96492276 103960882 370

patient.samples.sample.portions.portion.analytes.analyte.4.aliquots.aliquot.2.ce
 8 9 NA's
 22 112 370

patient.samples.sample.portions.portion.analytes.analyte.4.aliquots.aliquot.2.co
 0.5 NA's
 134 370

patient.samples.sample.portions.portion.analytes.analyte.4.aliquots.aliquot.2.da
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 13.00 19.00 27.00 24.12 31.00 31.00 370

patient.samples.sample.portions.portion.analytes.analyte.4.aliquots.aliquot.2.is
 no NA's
 134 370

patient.samples.sample.portions.portion.analytes.analyte.4.aliquots.aliquot.2.mo
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 1.000 3.000 3.000 4.261 5.000 9.000 370

patient.samples.sample.portions.portion.analytes.analyte.4.aliquots.aliquot.2.pl
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 1.000 2.000 3.000 3.784 5.750 8.000 370

patient.samples.sample.portions.portion.analytes.analyte.4.aliquots.aliquot.2.pl
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 782.0 879.0 879.0 946.2 939.0 1262.0 370

patient.samples.sample.portions.portion.analytes.analyte.4.aliquots.aliquot.2.qu
 30 40 NA's
 69 65 370

patient.samples.sample.portions.portion.analytes.analyte.4.aliquots.aliquot.2.so
 22 NA's
 134 370

patient.samples.sample.portions.portion.analytes.analyte.4.aliquots.aliquot.2.vo
 60 80 NA's
 69 65 370

patient.samples.sample.portions.portion.analytes.analyte.4.aliquots.aliquot.2.ye
 2010 NA's
 134 370

patient.samples.sample.portions.portion.analytes.analyte.4.aliquots.aliquot.3.bi
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 89576336 89576434 96485712 95961575 96485740 153878583 433

patient.samples.sample.portions.portion.analytes.analyte.4.aliquots.aliquot.3.ce
 8 9 10 NA's
 2 22 47 433

patient.samples.sample.portions.portion.analytes.analyte.4.aliquots.aliquot.3.co
 0.5 NA's
 71 433

patient.samples.sample.portions.portion.analytes.analyte.4.aliquots.aliquot.3.da
 13 15 31 NA's
 22 2 47 433

patient.samples.sample.portions.portion.analytes.analyte.4.aliquots.aliquot.3.is
 no NA's
 71 433

patient.samples.sample.portions.portion.analytes.analyte.4.aliquots.aliquot.3.mo
 1 3 7 NA's
 22 47 2 433

patient.samples.sample.portions.portion.analytes.analyte.4.aliquots.aliquot.3.pl
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 1.000 2.000 3.000 3.422 5.000 7.000 433

patient.samples.sample.portions.portion.analytes.analyte.4.aliquots.aliquot.3.pl
 0783 0881 a315 NA's
 22 47 2 433

patient.samples.sample.portions.portion.analytes.analyte.4.aliquots.aliquot.3.qu
 5 30 NA's
 2 69 433

patient.samples.sample.portions.portion.analytes.analyte.4.aliquots.aliquot.3.so
 22 23 NA's
 69 2 433

patient.samples.sample.portions.portion.analytes.analyte.4.aliquots.aliquot.3.vo
 10 60 NA's
 2 69 433

patient.samples.sample.portions.portion.analytes.analyte.4.aliquots.aliquot.3.ye
 2010 2013 NA's
 69 2 433

patient.samples.sample.portions.portion.analytes.analyte.4.aliquots.aliquot.4.bo
 tcga-56-1622-01a-01w-a315-08 tcga-60-2713-01a-01w-a315-08
 1 1

NA's
502

patient.samples.sample.portions.portion.analytes.analyte.4.aliquots.aliquot.4.bo
3fdccaf2-39c6-44d8-a71c-65cbe288c90e ece6a80c-da2c-452b-9746-584fb2ee6258
1 1
NA's
502

patient.samples.sample.portions.portion.analytes.analyte.4.aliquots.aliquot.4.bi
153878559 153878582 NA's
1 1 502

patient.samples.sample.portions.portion.analytes.analyte.4.aliquots.aliquot.4.ce
8 NA's
2 502

patient.samples.sample.portions.portion.analytes.analyte.4.aliquots.aliquot.4.co
0.5 NA's
2 502

patient.samples.sample.portions.portion.analytes.analyte.4.aliquots.aliquot.4.da
15 NA's
2 502

patient.samples.sample.portions.portion.analytes.analyte.4.aliquots.aliquot.4.is
no NA's
2 502

patient.samples.sample.portions.portion.analytes.analyte.4.aliquots.aliquot.4.mo
7 NA's
2 502

patient.samples.sample.portions.portion.analytes.analyte.4.aliquots.aliquot.4.pl
1 NA's
2 502

patient.samples.sample.portions.portion.analytes.analyte.4.aliquots.aliquot.4.pl
a315 NA's
2 502

patient.samples.sample.portions.portion.analytes.analyte.4.aliquots.aliquot.4.pl
a c NA's
1 1 502

patient.samples.sample.portions.portion.analytes.analyte.4.aliquots.aliquot.4.qu
5 NA's
2 502

patient.samples.sample.portions.portion.analytes.analyte.4.aliquots.aliquot.4.so
23 NA's
2 502

patient.samples.sample.portions.portion.analytes.analyte.4.aliquots.aliquot.4.vo
 10 NA's
 2 502

patient.samples.sample.portions.portion.analytes.analyte.4.aliquots.aliquot.4.ye
 2013 NA's
 2 502

patient.samples.sample.portions.portion.analytes.analyte.4.aliquots.aliquot.bios
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 9.649e+07 1.087e+08 1.322e+08 3.305e+08 1.507e+08 1.076e+09 35

patient.samples.sample.portions.portion.analytes.analyte.4.aliquots.aliquot.cent
 8 10 NA's
 469 22 13

patient.samples.sample.portions.portion.analytes.analyte.4.aliquots.aliquot.conc
 0.5 NA's
 491 13

patient.samples.sample.portions.portion.analytes.analyte.4.aliquots.aliquot.day_
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 3.0 8.0 13.0 17.1 27.0 31.0 13

patient.samples.sample.portions.portion.analytes.analyte.4.aliquots.aliquot.is_d
 no NA's
 491 13

patient.samples.sample.portions.portion.analytes.analyte.4.aliquots.aliquot.mont
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 1.000 3.000 5.000 4.921 6.000 12.000 13

patient.samples.sample.portions.portion.analytes.analyte.4.aliquots.aliquot.plat
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 1.000 2.000 3.000 3.916 5.000 12.000 13

patient.samples.sample.portions.portion.analytes.analyte.4.aliquots.aliquot.quant
 30 40 NA's
 69 422 13

patient.samples.sample.portions.portion.analytes.analyte.4.aliquots.aliquot.sour
 22 23 NA's
 359 132 13

patient.samples.sample.portions.portion.analytes.analyte.4.aliquots.aliquot.volu
 60 80 NA's
 69 422 13

patient.samples.sample.portions.portion.analytes.analyte.4.aliquots.aliquot.year
 2010 2011 2012 2013 NA's
 134 119 106 132 13

patient.samples.sample.portions.portion.analytes.analyte.4.amount:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 18.0 70.0 163.0 139.1 183.0 256.0 145

patient.samples.sample.portions.portion.analytes.analyte.4.analyte_type:
 repli-g (qiagen) dna NA's
 491 13

patient.samples.sample.portions.portion.analytes.analyte.4.analyte_type_id:
 w NA's
 491 13

patient.samples.sample.portions.portion.analytes.analyte.4.concentration:
 0.5 NA's
 359 145

patient.samples.sample.portions.portion.analytes.analyte.4.dna.normal_tumor_genome
 yes NA's
 491 13

patient.samples.sample.portions.portion.analytes.analyte.4.dna.pcr_amplification
 no yes NA's
 359 132 13

patient.samples.sample.portions.portion.analytes.analyte.4.gel_image_file:
<https://sharedoc.nchri.org/tcga-bcr/default.aspx>
 491
 NA's
 13

patient.samples.sample.portions.portion.analytes.analyte.4.is_derived_from_ffpe:
 no NA's
 491 13

patient.samples.sample.portions.portion.analytes.analyte.4.protocols.protocol.ex
 repli-g repli-g x NA's
 475 16 13

patient.samples.sample.portions.portion.analytes.analyte.4.spectrophotometer_meth
 picogreen uv spec NA's
 147 212 145

patient.samples.sample.portions.portion.analytes.analyte.4.subportion_sequence:
 1 2 NA's
 298 10 196

patient.samples.sample.portions.portion.analytes.analyte.5.aliquots.aliquot.2.bi
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
97543256 97543287 97543328 99549210 103964701 103964773 439

patient.samples.sample.portions.portion.analytes.analyte.5.aliquots.aliquot.2.ce
9 NA's
65 439

patient.samples.sample.portions.portion.analytes.analyte.5.aliquots.aliquot.2.co
0.5 NA's
65 439

patient.samples.sample.portions.portion.analytes.analyte.5.aliquots.aliquot.2.da
19 27 29 NA's
36 18 11 439

patient.samples.sample.portions.portion.analytes.analyte.5.aliquots.aliquot.2.is
no NA's
65 439

patient.samples.sample.portions.portion.analytes.analyte.5.aliquots.aliquot.2.mo
5 6 9 NA's
36 11 18 439

patient.samples.sample.portions.portion.analytes.analyte.5.aliquots.aliquot.2.pl
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
1.000 2.000 4.000 4.108 7.000 8.000 439

patient.samples.sample.portions.portion.analytes.analyte.5.aliquots.aliquot.2.pl
941 1070 1264 NA's
36 11 18 439

patient.samples.sample.portions.portion.analytes.analyte.5.aliquots.aliquot.2.qu
40 NA's
65 439

patient.samples.sample.portions.portion.analytes.analyte.5.aliquots.aliquot.2.so
22 NA's
65 439

patient.samples.sample.portions.portion.analytes.analyte.5.aliquots.aliquot.2.vo
80 NA's
65 439

patient.samples.sample.portions.portion.analytes.analyte.5.aliquots.aliquot.2.ye
2010 NA's
65 439

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patient.samples.sample.portions.portion.analytes.analyte.5.aliquots.aliquot.bios
  Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
97543859 97544150 97544191 99549789 103963550 103964594 439

patient.samples.sample.portions.portion.analytes.analyte.5.aliquots.aliquot.cent
  8 NA's
65 439

patient.samples.sample.portions.portion.analytes.analyte.5.aliquots.aliquot.conc
  0.5 NA's
65 439

patient.samples.sample.portions.portion.analytes.analyte.5.aliquots.aliquot.day_
  19 27 29 NA's
  36 18 11 439

patient.samples.sample.portions.portion.analytes.analyte.5.aliquots.aliquot.is_d
  no NA's
65 439

patient.samples.sample.portions.portion.analytes.analyte.5.aliquots.aliquot.mont
  5 6 9 NA's
  36 11 18 439

patient.samples.sample.portions.portion.analytes.analyte.5.aliquots.aliquot.plat
  Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
  1.000 2.000 4.000 4.108 7.000 8.000 439

patient.samples.sample.portions.portion.analytes.analyte.5.aliquots.aliquot.plat
  940 1068 1263 NA's
  36 11 18 439

patient.samples.sample.portions.portion.analytes.analyte.5.aliquots.aliquot.quan
  40 NA's
  65 439

patient.samples.sample.portions.portion.analytes.analyte.5.aliquots.aliquot.sour
  22 NA's
  65 439

patient.samples.sample.portions.portion.analytes.analyte.5.aliquots.aliquot.volun
  80 NA's
  65 439

patient.samples.sample.portions.portion.analytes.analyte.5.aliquots.aliquot.year
  2010 NA's
  65 439

patient.samples.sample.portions.portion.analytes.analyte.5.amount:

```

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
44.00	63.00	76.00	77.72	94.00	120.00	439

patient.samples.sample.portions.portion.analytes.analyte.5.analyte_type:
repli-g x (qiagen) dna NA's
65 439

patient.samples.sample.portions.portion.analytes.analyte.5.analyte_type_id:
x NA's
65 439

patient.samples.sample.portions.portion.analytes.analyte.5.concentration:
0.5 NA's
65 439

patient.samples.sample.portions.portion.analytes.analyte.5.dna.normal_tumor_genes NA's
65 439

patient.samples.sample.portions.portion.analytes.analyte.5.dna.pcr_amplification no NA's
65 439

patient.samples.sample.portions.portion.analytes.analyte.5.gel_image_file:
<https://sharedoc.nchri.org/tcga-bcr/default.aspx>
65
NA's
439

patient.samples.sample.portions.portion.analytes.analyte.5.is_derived_from_ffpe:
no NA's
65 439

patient.samples.sample.portions.portion.analytes.analyte.5.protocols.protocol.ex repli-g x NA's
65 439

patient.samples.sample.portions.portion.analytes.analyte.5.spectrophotometer_method uv spec NA's
65 439

patient.samples.sample.portions.portion.analytes.analyte.a260_a280_ratio:
1.8 1.9 2 NA's
7 212 1 284

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1.252e+08	1.270e+08	5.978e+08	5.915e+08	1.053e+09	1.054e+09	494

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.10.cen
 1 5 8 NA's
 4 4 2 494

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.10.com
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 0.070 0.140 0.150 0.136 0.150 0.170 494

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.10.day
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 6.00 14.00 19.00 18.70 27.25 29.00 494

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.10.is_
 no NA's
 10 494

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.10.mon
 2 7 8 NA's
 2 2 6 494

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.10.pla
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 1.00 1.25 3.00 3.00 3.75 6.00 494

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.10.qua
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 1.070 1.200 1.305 3.626 3.942 11.320 494

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.10.sou
 22 23 NA's
 8 2 494

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.10.vol
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 6.67 8.00 17.40 25.21 26.70 66.60 494

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.10.yea
 2011 2012 2013 NA's
 5 3 2 494

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.11.bcr
 tcga-43-3394-01a-01d-1553-08 tcga-43-3920-01a-01d-1553-08
 1 1
 tcga-60-2695-01a-01d-2250-01 tcga-60-2722-01a-01d-2250-01
 1 1
 NA's
 500

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.11.bcr

204fcc80-b946-4aa0-b519-9f590abad7d6 a762dd44-a8ac-4269-8163-bbf6d0f8d4b3
 1 1
 efe4d5dd-ffff-41df-ab86-be06cc16646f fc4f2de1-fa57-4785-aa8e-ce52e1d21d52
 1 1
 NA's
 500

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.11.bio
 125245958 125246004 1049985575 1049985576 NA's
 1 1 1 1 500

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.11.cen
 1 8 NA's
 2 2 500

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.11.com
 0.05 0.15 0.17 NA's
 2 1 1 500

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.11.day
 14 29 NA's
 2 2 500

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.11.is_
 no NA's
 4 500

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.11.mon
 2 8 NA's
 2 2 500

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.11.pla
 1 2 3 NA's
 2 1 1 500

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.11.pla
 1553 2250 NA's
 2 2 500

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.11.pla
 a d e NA's
 1 1 2 500

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.11.qua
 1.2 1.36 2 NA's
 1 1 2 500

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.11.sou
 22 NA's
 4 500

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.11.vol

8 40 NA's
2 2 500

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.11.yea
2011 2012 NA's
2 2 500

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.12.bcr
tcga-43-3394-01a-01d-1555-09 tcga-43-3920-01a-01d-1555-09
1 1
NA's
502

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.12.bcr
4b4b5d71-8625-4ef5-950f-2877bbd9a98f a91ba9a3-efc3-41e3-9074-90442e21e2cc
1 1
NA's
502

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.12.bio
1049985958 1049985959 NA's
1 1 502

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.12.cen
9 NA's
2 502

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.12.con
0.05 NA's
2 502

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.12.day
14 NA's
2 502

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.12.is_
no NA's
2 502

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.12.mon
2 NA's
2 502

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.12.pla
1 NA's
2 502

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.12.pla
1555 NA's
2 502

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.12.pla

```

d      e NA's
1      1  502

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.12.qua
2 NA's
2  502

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.12.sou
22 NA's
2  502

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.12.vol
40 NA's
2  502

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.12.yea
2011 NA's
2  502

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.13.bcr
tcga-43-3394-01a-01d-2250-01 tcga-43-3920-01a-01d-2250-01
1 1
NA's
502

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.13.bcr
b3f94f83-6e19-4fdd-b004-a479f4aa93c0 f25b2cf4-55c3-4dd6-a05f-abc841db1585
1 1
NA's
502

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.13.bio
125245922 125245977 NA's
1 1 502

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.13.cen
1 NA's
2 502

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.13.con
0.14 0.15 NA's
1 1 502

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.13.day
29 NA's
2 502

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.13.is_
no NA's
2 502

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.13.mon

```

```

      8 NA's
      2 502

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.13.pla
      1 NA's
      2 502

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.13.pla
2250 NA's
      2 502

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.13.pla
      f      g NA's
      1      1 502

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.13.qua
1.12 1.2 NA's
      1      1 502

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.13.sou
      22 NA's
      2 502

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.13.vol
      8 NA's
      2 502

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.13.yea
2012 NA's
      2 502

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.2.bios
      Min. 1st Qu.  Median      Mean 3rd Qu.  Max.      NA's
9.650e+07 1.040e+08 1.252e+08 2.765e+08 1.457e+08 1.076e+09      24

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.2.cent
      Min. 1st Qu.  Median      Mean 3rd Qu.  Max.      NA's
      1.00   4.00   8.00   5.53   8.00   8.00       2

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.2.conc
      Min. 1st Qu.  Median      Mean 3rd Qu.  Max.      NA's
      0.0500 0.0500 0.0800 0.1047 0.1500 0.1700       2

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.2.day_
      Min. 1st Qu.  Median      Mean 3rd Qu.  Max.      NA's
      4.00  10.00  15.00  17.41  27.00  30.00       2

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.2.is_d
      no NA's
      502      2

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patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.2.mont
  Min. 1st Qu.  Median      Mean 3rd Qu.    Max.   NA's
  1.000  3.000  5.000  5.484  8.000  12.000    2

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.2.plat
  Min. 1st Qu.  Median      Mean 3rd Qu.    Max.   NA's
  1.000  2.000  3.000  3.438  5.000  12.000    2

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.2.quant
  Min. 1st Qu.  Median      Mean 3rd Qu.    Max.   NA's
  0.870  2.000  3.000  2.693  3.200  4.540    2

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.2.sour
  22  23 NA's
  375 127  2

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.2.volun
  Min. 1st Qu.  Median      Mean 3rd Qu.    Max.   NA's
  6.67  13.30  40.00  33.92  60.00  60.00    2

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.2.year
  Min. 1st Qu.  Median      Mean 3rd Qu.    Max.   NA's
  2009  2010  2011  2011  2012  2014    2

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.3.bios
  Min. 1st Qu.  Median      Mean 3rd Qu.    Max.   NA's
  9.651e+07 1.040e+08 1.252e+08 3.023e+08 1.457e+08 1.062e+09    24

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.3.cent
  2  5  6  8 NA's
  29 299 69 105  2

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.3.conc
  Min. 1st Qu.  Median      Mean 3rd Qu.    Max.   NA's
  0.050  0.140  0.150  0.137  0.160  0.170    2

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.3.day_
  Min. 1st Qu.  Median      Mean 3rd Qu.    Max.   NA's
  4.00  10.00  15.00  17.54  27.00  30.00    2

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.3.is_d
  no NA's
  502  2

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.3.mont
  Min. 1st Qu.  Median      Mean 3rd Qu.    Max.   NA's
  1.000  3.000  5.000  5.484  8.000  12.000    2

```

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.3.plat
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 1.000 2.000 3.000 3.655 5.000 12.000 2

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.3.quant
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 0.870 1.950 2.000 2.178 2.210 4.270 2

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.3.sour
 22 23 NA's
 375 127 2

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.3.vol
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 6.70 13.00 13.30 19.33 13.30 60.00 2

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.3.year
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 2009 2010 2011 2011 2012 2014 2

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.4.bios
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 9.651e+07 9.751e+07 1.005e+08 2.046e+08 1.070e+08 1.053e+09 289

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.4.cent
 2 5 8 9 NA's
 69 98 34 36 267

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.4.conc
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 0.050 0.140 0.150 0.136 0.150 0.170 267

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.4.day_
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 5.00 10.00 15.00 16.74 30.00 30.00 267

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.4.is_d
 no NA's
 237 267

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.4.mont
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 3.000 3.000 6.000 6.384 8.000 11.000 267

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.4.plat
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 1.000 1.000 2.000 2.413 3.000 6.000 267

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.4.quant
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 0.870 1.860 2.000 2.312 3.000 4.540 267

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.4.sour
 22 23 NA's
 229 8 267

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.4.vol
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 6.70 13.30 17.40 18.62 20.00 40.00 267

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.4.year
 2009 2010 2011 2013 NA's
 22 138 69 8 267

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.5.bios
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 9.651e+07 9.651e+07 9.889e+07 1.075e+08 9.889e+07 1.054e+09 390

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.5.cent
 1 4 5 8 NA's
 12 36 69 19 368

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.5.conc
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 0.0700 0.1400 0.1500 0.1477 0.1500 0.1700 368

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.5.day_
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 2.0 2.0 10.0 11.9 18.0 27.0 368

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.5.is_d
 no NA's
 136 368

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.5.mont
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 3.000 3.000 6.000 6.279 9.000 11.000 368

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.5.plat
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 1.000 1.000 2.000 2.699 4.000 6.000 368

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.5.quant

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0.940	1.730	2.000	2.332	3.470	4.270	368

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.5.sour

22	23	NA's				
135	1	368				

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.5.vol

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
6.67	13.30	13.30	15.86	26.70	26.70	368

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.5.year

2009	2010	2011	2013	NA's		
22	112	1	1	368		

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.6.bios

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
9.752e+07	9.752e+07	9.885e+07	2.244e+08	1.040e+08	1.050e+09	375

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.6.cent

6	8	9	NA's			
36	75	18	375			

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.6.conc

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0.0500	0.1400	0.1500	0.1355	0.1500	0.1700	375

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.6.day_

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
2.00	2.00	27.00	19.81	28.00	31.00	375

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.6.is_d

no NA's						
129	375					

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.6.mont

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1.000	4.000	6.000	5.116	6.000	9.000	375

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.6.plat

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1.000	1.000	2.000	2.698	4.000	6.000	375

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.6.plat

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
963	963	1029	1109	1268	1521	375

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.6.quan

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
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0.870	1.010	1.140	1.439	2.000	2.130	375
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patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.6.sour
 22 NA's
 129 375

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.6.vol	Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
	6.67	6.70	6.70	13.21	13.30	40.00	375

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.6.year
 2010 2011 NA's
 112 17 375

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.7.bios	Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
	9.752e+07	9.752e+07	9.888e+07	4.270e+08	1.050e+09	1.050e+09	408

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.7.cent
 1 2 9 NA's
 4 33 59 408

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.7.conc	Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
	0.0700	0.1400	0.1500	0.1472	0.1500	0.1700	408

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.7.day_
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 14.00 26.00 28.00 25.68 28.00 29.00 408

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.7.is_d
 no NA's
 96 408

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.7.mont	1	4	7	8 NA's
	34	47	11	4 408

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.7.plat	Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
	1.000	1.000	3.000	2.802	4.000	6.000	408

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.7.quan	Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
	0.870	1.010	1.040	1.333	1.860	2.130	408

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.7.sour
 22 23 NA's

95 1 408

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.7.vol

6.7 8 13.3 13.4 NA's

58 4 33 1 408

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.7.year

2010 2011 2012 2015 NA's

58 33 4 1 408

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.8.bios

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1.005e+08	1.477e+08	1.050e+09	7.700e+08	1.050e+09	1.076e+09	434

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.8.cent

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1.0	8.0	8.0	7.2	8.0	9.0	434

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.8.conc

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0.0500	0.0500	0.0500	0.0714	0.0700	0.1700	434

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.8.day_

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
7.00	21.25	31.00	25.80	31.00	31.00	434

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.8.is_d

no NA's

70 434

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.8.mont

1	2	8	10	NA's
41	5	16	8	434

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.8.plat

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1.000	1.000	2.000	2.571	4.000	6.000	434

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.8.quan

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0.870	2.000	2.000	2.201	2.000	6.800	434

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.8.sour

22	23	NA's
65	5	434

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.8.vol

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
------	---------	--------	------	---------	------	------

6.67 40.00 40.00 34.71 40.00 40.00 434

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.8.year

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
2010	2011	2011	2011	2011	2015	434

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.9.bios

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1.040e+08	1.252e+08	1.050e+09	7.192e+08	1.054e+09	1.054e+09	476

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.9.cent

1	5	8	9	NA's
18	1	6	3	476

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.9.conc

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0.0500	0.0500	0.1400	0.1189	0.1500	0.1700	476

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.9.day_

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
6.00	21.25	22.00	22.25	29.00	31.00	476

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.9.is_d

no NA's
28 476

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.9.mont

1	2	7	8	NA's
5	5	1	17	476

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.9.plat

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1.000	2.000	2.000	2.536	3.000	6.000	476

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.9.quan

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0.930	1.000	1.200	1.682	2.000	10.660	476

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.9.sour

22 23 NA's
27 1 476

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.9.volu

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
6.67	6.67	8.00	19.00	40.00	66.60	476

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.9.year

2011 2012 2013 NA's

21 6 1 476

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.biospe

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
9.650e+07	1.040e+08	1.252e+08	2.762e+08	1.457e+08	1.076e+09	23

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.center

1	2	4	8	NA's
377	95	11	20	1

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.concen

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0.0700	0.1400	0.1500	0.1486	0.1600	0.5000	1

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.day_of

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
4.0	10.0	15.0	17.4	27.0	30.0	1

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.is_der

no NA's	1
503	1

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.month_

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1.000	3.000	5.000	5.483	8.000	12.000	1

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.plate_

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1.000	2.000	3.000	3.441	5.000	12.000	1

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.quantit

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0.870	1.000	1.010	1.377	1.220	40.000	1

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.source

22	23	NA's
375	128	1

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.volume

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
6.670	6.670	6.700	9.477	8.350	80.000	1

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.year_o

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
2009	2010	2011	2011	2012	2014	1

patient.samples.sample.portions.portion.analytes.analyte.amount:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
------	---------	--------	------	---------	------	------

5.00 56.21 247.85 274.55 404.50 1020.63 2

patient.samples.sample.portions.portion.analytes.analyte.analyte_type:
 dna repli-g (qiagen) dna NA's
 502 1 1

patient.samples.sample.portions.portion.analytes.analyte.analyte_type_id:
 d w NA's
 502 1 1

patient.samples.sample.portions.portion.analytes.analyte.concentration:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 0.1300 0.1500 0.1500 0.1509 0.1600 0.1700 2

patient.samples.sample.portions.portion.analytes.analyte.dna.normal_tumor_genoty
 yes NA's
 503 1

patient.samples.sample.portions.portion.analytes.analyte.dna.pcr_amplification_s
 no yes NA's
 272 231 1

patient.samples.sample.portions.portion.analytes.analyte.gel_image_file:
<https://sharedoc.nchri.org/tcga-bcr/default.aspx>
 503
 NA's
 1

patient.samples.sample.portions.portion.analytes.analyte.is_derived_from_ffpe:
 no NA's
 503 1

patient.samples.sample.portions.portion.analytes.analyte.protocols.protocol.expe
 adna preparation type repli-g NA's
 502 1 1

patient.samples.sample.portions.portion.analytes.analyte.spectrophotometer_metho
 picogreen uv spec NA's
 282 220 2

patient.samples.sample.portions.portion.analytes.analyte.subportion_sequence:
 1 2 NA's
 306 14 184

patient.samples.sample.portions.portion.day_of_creation:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 1.00 7.00 17.00 16.12 25.00 31.00 1

patient.samples.sample.portions.portion.is_ffpe:

no NA's
503 1

patient.samples.sample.portions.portion.lce:

lce NA's
7 497

patient.samples.sample.portions.portion.month_of_creation:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1.000	2.000	5.000	5.696	10.000	12.000	1

patient.samples.sample.portions.portion.portion_number:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1.000	1.000	11.000	9.489	11.000	51.000	1

patient.samples.sample.portions.portion.portion_sequence:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1.000	1.000	1.000	1.408	1.250	5.000	384

patient.samples.sample.portions.portion.slides.slide.2.is_derived_from_ffpe:

no NA's
265 239

patient.samples.sample.portions.portion.slides.slide.2.percent_lymphocyte_infiltration:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1.00	5.00	10.00	12.86	20.00	40.00	423

patient.samples.sample.portions.portion.slides.slide.2.percent_monocyte_infiltration:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0.0	0.0	2.0	2.8	3.0	20.0	449

patient.samples.sample.portions.portion.slides.slide.2.percent_necrosis:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0.000	3.000	5.000	7.894	10.000	30.000	240

patient.samples.sample.portions.portion.slides.slide.2.percent_neutrophil_infiltration:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0.000	0.000	2.000	2.735	5.000	10.000	455

patient.samples.sample.portions.portion.slides.slide.2.percent_normal_cells:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0.000	0.000	0.000	4.434	5.000	40.000	262

patient.samples.sample.portions.portion.slides.slide.2.percent_stromal_cells:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0.00	5.00	10.00	12.26	15.00	58.00	261

patient.samples.sample.portions.portion.slides.slide.2.percent_tumor_cells:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
35.00	67.00	75.00	75.17	85.00	100.00	260

patient.samples.sample.portions.portion.slides.slide.2.percent_tumor_nuclei:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
45.00	70.00	75.00	75.26	80.00	95.00	240

patient.samples.sample.portions.portion.slides.slide.2.section_location:

bottom	top	NA's
19	246	239

patient.samples.sample.portions.portion.slides.slide.is_derived_from_ffpe:

no NA's
503 1

patient.samples.sample.portions.portion.slides.slide.percent_lymphocyte_infiltration:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0.00	2.00	5.00	10.55	15.00	70.00	250

patient.samples.sample.portions.portion.slides.slide.percent_monocyte_infiltration:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0.000	0.000	1.000	2.867	3.000	50.000	286

patient.samples.sample.portions.portion.slides.slide.percent_necrosis:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0.000	2.000	5.000	8.036	10.000	80.000	6

patient.samples.sample.portions.portion.slides.slide.percent_neutrophil_infiltration:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0.000	0.000	1.000	2.532	3.000	35.000	288

patient.samples.sample.portions.portion.slides.slide.percent_normal_cells:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0.000	0.000	0.000	5.474	5.000	100.000	44

patient.samples.sample.portions.portion.slides.slide.percent_stromal_cells:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0.00	5.00	10.00	13.39	20.00	60.00	44

patient.samples.sample.portions.portion.slides.slide.percent_tumor_cells:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0.00	65.00	75.00	72.67	85.00	100.00	43

patient.samples.sample.portions.portion.slides.slide.percent_tumor_nuclei:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0.00	65.00	75.00	73.81	80.00	100.00	6

patient.samples.sample.portions.portion.slides.slide.section_location:

bottom	top	NA's

246 257 1

patient.samples.sample.portions.portion.weight:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
6.00	30.00	36.00	62.52	106.50	172.00	5

patient.samples.sample.portions.portion.year_of_creation:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
2009	2010	2011	2011	2012	2014	1

patient.samples.sample.portions.shipment_portion.center_id:

20 NA's
328 176

patient.samples.sample.portions.shipment_portion.is_ffpe:

no NA's
328 176

patient.samples.sample.portions.shipment_portion.portion_number:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
11.00	13.00	21.00	19.32	21.00	61.00	176

patient.samples.sample.portions.shipment_portion.portion_sequence:

1 2 5 6 NA's
16 95 2 1 390

patient.samples.sample.portions.shipment_portion.shipment_portion_day_of_shipmen

5 30 NA's
195 133 176

patient.samples.sample.portions.shipment_portion.shipment_portion_month_of_shipm

3 7 NA's
195 133 176

patient.samples.sample.portions.shipment_portion.shipment_portion_year_of_shipme

2012 2014 NA's
195 133 176

patient.samples.sample.sample_type:

primary tumor
504

patient.samples.sample.sample_type_id:

1
504

patient.samples.sample.shortest_dimension:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0.1000	0.3000	0.4000	0.3739	0.5000	1.0000	129

patient.samples.sample.vial_number:

a	b
500	4

Sex:

FEMALE	MALE	NA's
47	131	326

Age.at.diagnosis:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
40.00	63.00	68.00	67.63	73.00	85.00	329

N.stage:

N0	N1	N2	N3	NA's
117	39	17	5	326

M.stage:

M0	M1	MX	N/A	NA's
165	3	6	4	326

Nonsilent.Mutations:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1.0	161.2	227.5	273.5	316.5	2335.0	326

Nonsilent.Mutations.per.Mb:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0.0278	4.5658	6.4349	7.8169	8.8559	69.5970	326

Mutation_TNFAIP3:

p.G622C	p.P467H	p.R136H	p.Y778C	NA's
1	1	1	1	500

Mutation_SOX2:

p.M45L NA's
1 503

Mutation_FGFR1:

p.P25Q p.R445W p.W471L NA's
1 1 1 501

Mutation_FGFR2:

p.E470Q p.K659N p.T786K p.W290C NA's
1 1 1 1 500

Mutation_FGFR3:

p.K715M p.R248C p.S249C NA's
1 1 2 500

Mutation_CCND1:

p.E162K NA's
1 503

Mutation_FOXP1:

p.A645D p.G433fs p.Q140H p.Q280* NA's
1 1 1 1 500

Mutation_AKT3:

p.D395E p.E131K p.W22C NA's
1 1 1 501

Mutation_KRAS:

p.C118S p.Q61H NA's
1 1 502

Mutation_STK11:

p.G279fs p.M51fs NA's
2 1 501

CNA_TP53:
Del NA's
3 501

CNA_HLA.A:
Amp Del NA's
1 1 502

CNA_NFE2L2:
Amp NA's
7 497

CNA_NOTCH1:
Del NA's
1 503

CNA_NOTCH2:
Amp Del NA's
3 1 500

CNA_SMAD4:
Amp Del NA's
1 3 500

CNA_SOX2:
Amp NA's
61 443

CNA_FGFR1:
Amp NA's
27 477

CNA_FGFR3:
Del NA's
5 499

CNA_PIK3CA:
Amp NA's
58 446

CNA_CCND1:
Amp NA's
17 487

CNA_EGFR:
Amp Del NA's
11 1 492

CNA_ERBB2:
Amp Del NA's
4 2 498

CNA_PDGFR α :

Amp NA's
10 494

CNA_MYC:

Amp NA's
6 498

CNA_PTEN:

Del NA's
11 493

CNA_RB1:

Del NA's
3 501

CNA_CDKN2A:

Del NA's
48 456

CNA_CUL3:

Del NA's
3 501

CNA_FOXP1:

Del NA's
6 498

CNA_ASCL4:

Amp NA's
1 503

CNA_NF1:

Amp Del NA's
1 2 501

CNA_AKT1:

Amp Del NA's
3 2 499

CNA_AKT2:

Amp NA's
5 499

CNA_AKT3:

Amp NA's
3 501

CNA_BRAF:

Amp Del NA's
1 1 502

CNA_HRAS:

Del NA's
2 502

CNA_NRAS:

Amp Del NA's
1 3 500

CNA_RASA1:

Del NA's
3 501

CNA_TSC1:

Del NA's
1 503

Expression.Subtype:

basal	classical	primitive	secretory	NA's
43	65	27	43	326

MESO

Mesothelioma

Description

A document describing the TCGA cancer code

Details

```
> experiments( MESO )
```

ExperimentList class object of length 8:

```
[1] CNASNP-20160128: RaggedExperiment with 90003 rows and 173 columns
[2] CNVSNP-20160128: RaggedExperiment with 18335 rows and 172 columns
[3] GISTIC_AllByGene-20160128: SummarizedExperiment with 24776 rows and 87 columns
[4] GISTIC_ThresholdedByGene-20160128: SummarizedExperiment with 24776 rows and 87 columns
[5] Methylation-20160128: SummarizedExperiment with 485577 rows and 87 columns
[6] miRNASeqGene-20160128: SummarizedExperiment with 1046 rows and 87 columns
[7] RNASeq2GeneNorm-20160128: SummarizedExperiment with 20501 rows and 87 columns
[8] RPPAArray-20160128: SummarizedExperiment with 193 rows and 63 columns
```

```
> rownames( MESO )
```

CharacterList of length 8

```
[[ "CNASNP-20160128" ]] character(0)
[[ "CNVSNP-20160128" ]] character(0)
[[ "GISTIC_AllByGene-20160128" ]] ACAP3 ACTRT2 ... WASIR1|ENSG00000185203.7
[[ "GISTIC_ThresholdedByGene-20160128" ]] ACAP3 ... WASIR1|ENSG00000185203.7
[[ "Methylation-20160128" ]] cg00000029 cg00000108 ... rs966367 rs9839873
[[ "miRNASeqGene-20160128" ]] hsa-let-7a-1 hsa-let-7a-2 ... hsa-mir-99b
[[ "RNASeq2GeneNorm-20160128" ]] A1BG A1CF A2BP1 A2LD1 ... ZZZ3 psiTPTE22 tAKR
[[ "RPPAArray-20160128" ]] 14-3-3_beta 14-3-3_epsilon ... p90RSK_pT359_S363
```

```
> colnames( MESO )
CharacterList of length 8
[["CNASNP-20160128"]] TCGA-3H-AB3K-01A-11D-A39Q-01 ...
[["CNVSNP-20160128"]] TCGA-3H-AB3K-01A-11D-A39Q-01 ...
[["GISTIC_AllByGene-20160128"]] TCGA-3H-AB3K-01A-11D-A39Q-01 ...
[["GISTIC_ThresholdedByGene-20160128"]] TCGA-3H-AB3K-01A-11D-A39Q-01 ...
[["Methylation-20160128"]] TCGA-3H-AB3K-01A-11D-A39S-05 ...
[["miRNASeqGene-20160128"]] TCGA-3H-AB3K-01A-11R-A404-13 ...
[["RNASeq2GeneNorm-20160128"]] TCGA-3H-AB3K-01A-11R-A40A-07 ...
[["RPPAArray-20160128"]] TCGA-3H-AB3K-01A-21-A45O-20 ...
```

Sizes of each ExperimentList element:

	assay	size.Mb
1	CNASNP-20160128	2.5 Mb
2	CNVSNP-20160128	0.6 Mb
3	GISTIC_AllByGene-20160128	4.3 Mb
4	GISTIC_ThresholdedByGene-20160128	4.3 Mb
5	Methylation-20160128	67.4 Mb
6	miRNASeqGene-20160128	0.1 Mb
7	RNASeq2GeneNorm-20160128	1.1 Mb
8	RPPAArray-20160128	0 Mb

Overall survival time-to-event summary (in years):

```
Call: survfit(formula = survival::Surv(colDat$days_to_death/365, colDat$vital_status - 1)
```

```

14 observations deleted due to missingness
  n events median 0.95LCL 0.95UCL
73.00  73.00   1.25   1.11   1.67
```

Available sample meta-data:

```
years_to_birth:
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.
 28.00  57.00   64.00   62.99  69.00   81.00
```

```
vital_status:
 0  1
13 74
```

```
days_to_death:
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.   NA's
 20.0  253.0   457.0   584.1  789.0  2790.0    14
```

days_to_last_followup:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
-8	499	1168	1091	1490	2359	74

tumor_tissue_site:

pleura	87
--------	----

pathology_N_stage:

n0	n1	n2	n3	nx
44	10	26	3	4

pathology_M_stage:

m0	m1	mx
57	3	27

gender:

female	male
16	71

date_of_initial_pathologic_diagnosis:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.
1999	2008	2010	2009	2012	2013

radiation_therapy:

no	yes	NA's
62	24	1

karnofsky_performance_score:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0.00	80.00	90.00	77.65	90.00	100.00	70

histological_type:

biphasic mesothelioma	diffuse malignant mesothelioma - nos	23	5
epithelioid mesothelioma	sarcomatoid mesothelioma	57	2

residual_tumor:

r0	r1	r2	rx	NA's
17	3	15	11	41

race:

asian	black	or african american	white
1		1	85

ethnicity:

not hispanic or latino	NA's
73	14

admin.bcr:
 nationwide children's hospital
 87

admin.day_of_dcc_upload:
 1
 87

admin.disease_code:
 meso
 87

admin.month_of_dcc_upload:
 10
 87

admin.patient_withdrawal.withdrawn:
 false
 87

admin.project_code:
 tcga
 87

admin.year_of_dcc_upload:
 2015
 87

patient.asbestos_exposure_age:							NA's
Min.	1st Qu.	Median	Mean	3rd Qu.	Max.		
14.00	15.75	17.00	20.42	24.25	37.00		75

patient.asbestos_exposure_age_last:							NA's
Min.	1st Qu.	Median	Mean	3rd Qu.	Max.		
21.00	25.00	32.00	33.89	35.00	58.00		78

patient.asbestos_exposure_source:			NA's
occupational	secondary		
33	5		49

patient.asbestos_exposure_type:			NA's
amosite	crocidolite		
1	1		85

patient.asbestos_exposure_years:							NA's
Min.	1st Qu.	Median	Mean	3rd Qu.	Max.		
1.00	5.75	13.00	15.25	24.75	34.00		71

patient.blood_relative_cancer_history_list.blood_relative_cancer_history.2.famil

melanoma	mesothelioma	other, specify	NA's
1	2	15	69

patient.blood_relative_cancer_history_list.blood_relative_cancer_history.2.family

child	grandparent	parent	sibling	NA's
1	2	5	10	69

patient.blood_relative_cancer_history_list.blood_relative_cancer_history.3.family

mesothelioma	other, specify	NA's
1	3	83

patient.blood_relative_cancer_history_list.blood_relative_cancer_history.3.family

pancreatic cancer	skin cancer	NA's
2	1	84

patient.blood_relative_cancer_history_list.blood_relative_cancer_history.3.family

grandparent	parent	sibling	NA's
1	1	2	83

patient.blood_relative_cancer_history_list.blood_relative_cancer_history.4.family

other, specify	NA's
1	86

patient.blood_relative_cancer_history_list.blood_relative_cancer_history.4.family

colon cancer	NA's
1	86

patient.blood_relative_cancer_history_list.blood_relative_cancer_history.4.family

grandparent	NA's
1	86

patient.blood_relative_cancer_history_list.blood_relative_cancer_history.family

mesothelioma	other, specify	NA's
2	28	57

patient.blood_relative_cancer_history_list.blood_relative_cancer_history.family

child	grandparent	parent	sibling	NA's
2	2	21	5	57

patient.clinical_cqcf.consent_or_death_status:

consented	deceased
65	22

patient.clinical_cqcf.country:

australia	brazil	united kingdom	united states
12	3	5	67

patient.clinical_cqcf.days_to_consent:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
-1501.00	-3.00	27.00	59.05	55.00	1404.00	22

```

patient.clinical_cqcf.days_to_death:
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.    NA's
  107.0  208.8  491.5  650.4  747.5  2790.0    65

patient.clinical_cqcf.histological_type:
  diffuse malignant mesothelioma - biphasic
                                     23
  diffuse malignant mesothelioma - epithelioid
                                     58
  diffuse malignant mesothelioma - nos
                                     4
  diffuse malignant mesothelioma -sarcomatoid
                                     2

patient.clinical_cqcf.history_of_neoadjuvant_treatment:
                                     no yes, radiation prior to resection
                                     86                                     1

patient.clinical_cqcf.normal_tissue_anatomic_site:
  peritoneum      NA's
                 1      86

patient.clinical_cqcf.normal_tissue_proximity:
  distal (>2cm)  NA's
                 1      86

patient.clinical_cqcf.tumor_type:
  primary
    87

patient.day_of_form_completion:
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.
  1.00   8.00   10.00   14.71  25.00   31.00

patient.days_to_birth:
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.
 -29905 -25384 -23591 -23188 -20999 -10510

patient.days_to_death:
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.    NA's
   39.0  208.5  445.0  578.1  781.0  2790.0    29

patient.days_to_last_followup:
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.    NA's
  -8.0  256.0  463.0  553.3  739.0  1575.0    58

patient.drugs.drug.2.clinical_trail_drug_classification:
  anti-ctla4 monoclonal antibody
                                     1
                                     NA's
                                     86

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```

patient.drugs.drug.2.day_of_form_completion:
  Min. 1st Qu.  Median    Mean 3rd Qu.  Max.   NA's
    2.0     9.0    12.0    15.9   23.0   30.0    45

patient.drugs.drug.2.days_to_drug_therapy_end:
  Min. 1st Qu.  Median    Mean 3rd Qu.  Max.   NA's
  12.0  144.5   180.5   256.7   277.2   919.0   49

patient.drugs.drug.2.days_to_drug_therapy_start:
  Min. 1st Qu.  Median    Mean 3rd Qu.  Max.   NA's
  11.0   56.5   128.0   171.9   174.0   898.0   49

patient.drugs.drug.2.measure_of_response:
clinical progressive disease      complete response
                                10                      3
                                partial response          stable disease
                                5                      9
                                NA's
                                60

patient.drugs.drug.2.month_of_form_completion:
  Min. 1st Qu.  Median    Mean 3rd Qu.  Max.   NA's
  1.000  2.250   6.000   6.071   8.000  12.000   45

patient.drugs.drug.2.therapy_ongoing:
  no  yes NA's
  41  1   45

patient.drugs.drug.2.therapy_types.therapy_type:
                                chemotherapy targeted molecular therapy
                                37                      5
                                NA's
                                45

patient.drugs.drug.2.tx_on_clinical_trial:
  no  yes NA's
  33  9   45

patient.drugs.drug.2.year_of_form_completion:
  2013 2014 2015 NA's
    14  20   8   45

patient.drugs.drug.3.clinical_trail_drug_classification:
anti-ctla4 monoclonal antibody      NA's
                                1                      86

patient.drugs.drug.3.day_of_form_completion:
  Min. 1st Qu.  Median    Mean 3rd Qu.  Max.   NA's

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2.00	9.00	11.00	15.65	22.50	30.00	64
------	------	-------	-------	-------	-------	----

patient.drugs.drug.3.days_to_drug_therapy_end:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
161.0	177.0	275.0	346.8	481.5	672.0	67

patient.drugs.drug.3.days_to_drug_therapy_start:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
56.0	103.8	156.5	260.5	424.0	627.0	65

patient.drugs.drug.3.measure_of_response:

clinical progressive disease	complete response
6	2
partial response	stable disease
4	3
NA's	
72	

patient.drugs.drug.3.month_of_form_completion:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1.000	1.000	6.000	5.174	7.000	12.000	64

patient.drugs.drug.3.therapy_ongoing:

no NA's
23 64

patient.drugs.drug.3.therapy_types.therapy_type:

chemotherapy targeted molecular therapy	
21	1
vaccine	NA's
1	64

patient.drugs.drug.3.tx_on_clinical_trial:

no	yes	NA's
17	6	64

patient.drugs.drug.3.year_of_form_completion:

2013	2014	2015	NA's
6	12	5	64

patient.drugs.drug.4.day_of_form_completion:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
2.00	7.50	11.00	14.18	22.00	28.00	76

patient.drugs.drug.4.days_to_drug_therapy_end:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
215.0	280.0	429.0	485.9	625.5	1060.0	76

patient.drugs.drug.4.days_to_drug_therapy_start:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
74.0	192.0	308.0	355.9	522.5	802.0	76

patient.drugs.drug.4.measure_of_response:

clinical progressive disease	partial response
3	4
stable disease	NA's
2	78

patient.drugs.drug.4.month_of_form_completion:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1.000	2.500	6.000	5.909	8.000	12.000	76

patient.drugs.drug.4.therapy_ongoing:

no NA's
11 76

patient.drugs.drug.4.therapy_types.therapy_type:

chemotherapy	targeted molecular therapy
8	3
NA's	
76	

patient.drugs.drug.4.tx_on_clinical_trial:

no	yes	NA's
8	3	76

patient.drugs.drug.4.year_of_form_completion:

2013	2014	2015	NA's
3	5	3	76

patient.drugs.drug.5.bcr_drug_barcode:

tcga-3h-ab3m-d60592	tcga-3h-ab3o-d60486	tcga-3u-a98e-d65109	tcga-sc-a6lm-d49075
1	1	1	1
NA's			
83			

patient.drugs.drug.5.bcr_drug_uuid:

271365e2-1da4-4b0e-8c8d-9e06ee0d87e3	323c388c-ac8e-4f48-bd0c-feb1b39330a1
1	1
5f4453b4-63a8-49fa-ad6b-64f199844556	abdbef67-cbed-4b4d-abed-8b589e7758ab
1	1
NA's	
83	

patient.drugs.drug.5.day_of_form_completion:

10	11	22	23	NA's
1	1	1	1	83

patient.drugs.drug.5.days_to_drug_therapy_end:

386	634	1265	1430	NA's
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1      1      1      1      83

patient.drugs.drug.5.days_to_drug_therapy_start:
120   571 1084 1286 NA's
1      1      1      1      83

patient.drugs.drug.5.drug_name:
      carboplatin          cediranib          everolimus
1              1              1              1
tivantinib (arq-197)      NA's
1              83

patient.drugs.drug.5.measure_of_response:
clinical progressive disease      partial response
1              2              1
      stable disease              NA's
1              83

patient.drugs.drug.5.month_of_form_completion:
1      6      10 NA's
1      2      1      83

patient.drugs.drug.5.therapy_ongoing:
no NA's
4      83

patient.drugs.drug.5.therapy_types.therapy_type:
      chemotherapy targeted molecular therapy
1              3
      NA's
      83

patient.drugs.drug.5.tx_on_clinical_trial:
no yes NA's
1      3      83

patient.drugs.drug.5.year_of_form_completion:
2013 2014 2015 NA's
1      2      1      83

patient.drugs.drug.6.bcr_drug_barcode:
tcga-3h-ab3m-d60593 tcga-3h-ab3o-d60489 tcga-3u-a98e-d65113 tcga-sc-a61m-d49076
1              1              1              1
      NA's
      83

patient.drugs.drug.6.bcr_drug_uuid:
2031fb30-84aa-472d-ad8b-f8b00fa789c7 56020589-2bbe-4362-b806-2f93399c47a2
1              1
5babfacf-c446-4759-a245-852bfa171478 81c15bbb-ee44-4c1a-a028-ab336bb1a0d9
1              1
      NA's

```

83

patient.drugs.drug.6.day_of_form_completion:

10	11	22	23	NA's
1	1	1	1	83

patient.drugs.drug.6.days_to_drug_therapy_end:

760	800	1265	1489	NA's
1	1	1	1	83

patient.drugs.drug.6.days_to_drug_therapy_start:

736	739	1084	1446	NA's
1	1	1	1	83

patient.drugs.drug.6.drug_name:

carboplatin	cisplatin	ds-8273a	pemetrexed	NA's
	1	1	1	83

patient.drugs.drug.6.measure_of_response:

clinical progressive disease	partial response
2	1
stable disease	NA's
1	83

patient.drugs.drug.6.month_of_form_completion:

1	6	10	NA's
1	2	1	83

patient.drugs.drug.6.therapy_ongoing:

no	NA's
4	83

patient.drugs.drug.6.therapy_types.therapy_type:

chemotherapy	NA's
3	84

patient.drugs.drug.6.tx_on_clinical_trial:

no	yes	NA's
1	3	83

patient.drugs.drug.6.year_of_form_completion:

2013	2014	2015	NA's
1	2	1	83

patient.drugs.drug.7.bcr_drug_barcode:

tcga-3h-ab3m-d60595	tcga-3h-ab3o-d60490	tcga-sc-a6lm-d49077	NA's
1	1	1	84

patient.drugs.drug.7.bcr_drug_uid:

8017f9c5-2f43-47ae-bc78-5d2b7a4dede3	8165b981-d8b6-4cca-80aa-652fcc9ed909
1	1
d5babb86-cc75-4990-bf03-8bfd62f5ff35	NA's

1

84

patient.drugs.drug.7.day_of_form_completion:

10 11 23 NA's
1 1 1 84

patient.drugs.drug.7.days_to_drug_therapy_end:

604 816 1265 NA's
1 1 1 84

patient.drugs.drug.7.days_to_drug_therapy_start:

471 790 1084 NA's
1 1 1 84

patient.drugs.drug.7.drug_name:

doxorubicin pemetrexed vinorelbine NA's
1 1 1 84

patient.drugs.drug.7.measure_of_response:

partial response stable disease NA's
1 2 84

patient.drugs.drug.7.month_of_form_completion:

6 10 NA's
2 1 84

patient.drugs.drug.7.therapy_ongoing:

no NA's
3 84

patient.drugs.drug.7.therapy_types.therapy_type:

chemotherapy NA's
3 84

patient.drugs.drug.7.tx_on_clinical_trial:

no yes NA's
1 2 84

patient.drugs.drug.7.year_of_form_completion:

2013 2014 NA's
1 2 84

patient.drugs.drug.8.bcr_drug_barcode:

tcga-3h-ab3m-d60596 NA's
1 86

patient.drugs.drug.8.bcr_drug_uuid:

3db085c4-dc87-4e33-86d3-1618dc6adf39 NA's
1 86

patient.drugs.drug.8.day_of_form_completion:

11 NA's

1 86

patient.drugs.drug.8.days_to_drug_therapy_end:

604 NA's

1 86

patient.drugs.drug.8.days_to_drug_therapy_start:

471 NA's

1 86

patient.drugs.drug.8.drug_name:

bevacizumab NA's

1 86

patient.drugs.drug.8.measure_of_response:

stable disease NA's

1 86

patient.drugs.drug.8.month_of_form_completion:

6 NA's

1 86

patient.drugs.drug.8.therapy_ongoing:

no NA's

1 86

patient.drugs.drug.8.therapy_types.therapy_type:

targeted molecular therapy NA's

1 86

patient.drugs.drug.8.tx_on_clinical_trial:

yes NA's

1 86

patient.drugs.drug.8.year_of_form_completion:

2014 NA's

1 86

patient.drugs.drug.9.bcr_drug_barcode:

tcga-3h-ab3m-d60597 NA's

1 86

patient.drugs.drug.9.bcr_drug_uuid:

c621d9b9-8ccc-4b79-9194-7959179b3814

1

NA's

86

patient.drugs.drug.9.day_of_form_completion:

11 NA's

1 86

patient.drugs.drug.9.days_to_drug_therapy_end:

604 NA's

1 86

patient.drugs.drug.9.days_to_drug_therapy_start:

471 NA's

1 86

patient.drugs.drug.9.drug_name:

temsirolimus NA's

1 86

patient.drugs.drug.9.measure_of_response:

stable disease NA's

1 86

patient.drugs.drug.9.month_of_form_completion:

6 NA's

1 86

patient.drugs.drug.9.therapy_ongoing:

no NA's

1 86

patient.drugs.drug.9.therapy_types.therapy_type:

targeted molecular therapy NA's

1 86

patient.drugs.drug.9.tx_on_clinical_trial:

yes NA's

1 86

patient.drugs.drug.9.year_of_form_completion:

2014 NA's

1 86

patient.drugs.drug.clinical_trial_drug_classification:

anti-ctla4 monoclonal antibody copa chelating agent

1 1

defactinib/placebo vaccine

1 1

NA's

83

patient.drugs.drug.day_of_form_completion:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1.00	6.00	9.50	14.62	23.00	30.00	23

patient.drugs.drug.days_to_drug_therapy_end:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0.0	58.0	96.0	180.7	228.0	1056.0	28

```

patient.drugs.drug.days_to_drug_therapy_start:
  Min. 1st Qu.  Median    Mean 3rd Qu.  Max.    NA's
  0.00  35.25   56.00  113.36  136.75  910.00   29

patient.drugs.drug.measure_of_response:
clinical progressive disease      complete response
                                17                      3
                                partial response          stable disease
                                5                        7
                                NA's
                                55

patient.drugs.drug.month_of_form_completion:
  Min. 1st Qu.  Median    Mean 3rd Qu.  Max.    NA's
  1.000  3.000   6.000   5.594   8.000  12.000   23

patient.drugs.drug.therapy_ongoing:
  no  yes NA's
  63  1   23

patient.drugs.drug.therapy_types.therapy_type:
                                ancillary      chemotherapy
                                12              35
targeted molecular therapy          vaccine
                                11              1
                                NA's
                                28

patient.drugs.drug.tx_on_clinical_trial:
  no  yes NA's
  31  33  23

patient.drugs.drug.year_of_form_completion:
2013 2014 2015 NA's
  18  40   6  23

patient.eastern_cancer_oncology_group:
  0  1  2  3 NA's
  12 15  6  1 53

patient.ethnicity:
not hispanic or latino          NA's
                                73          14

patient.follow_ups.follow_up.2.day_of_form_completion:
  Min. 1st Qu.  Median    Mean 3rd Qu.  Max.    NA's
  6.0   11.0   20.0   16.4   21.0   24.0   82

patient.follow_ups.follow_up.2.days_to_death:

```

789 863 NA's
1 1 85

patient.follow_ups.follow_up.2.days_to_last_followup:

602 651 756 NA's
1 1 1 84

patient.follow_ups.follow_up.2.eastern_cancer_oncology_group:

0 1 NA's
1 2 84

patient.follow_ups.follow_up.2.karnofsky_performance_score:

100 NA's
1 86

patient.follow_ups.follow_up.2.lost_follow_up:

no NA's
5 82

patient.follow_ups.follow_up.2.month_of_form_completion:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
3	4	6	7	10	12	82

patient.follow_ups.follow_up.2.new_tumor_events.new_tumor_event.additional_pharm

no yes NA's
2 1 84

patient.follow_ups.follow_up.2.new_tumor_events.new_tumor_event.additional_radia

no NA's
3 84

patient.follow_ups.follow_up.2.new_tumor_events.new_tumor_event.days_to_new_tumo

85 479 591 716 NA's
1 1 1 1 83

patient.follow_ups.follow_up.2.new_tumor_events.new_tumor_event.new_neoplasm_eve

lung other, specify	NA's
1 2	84

patient.follow_ups.follow_up.2.new_tumor_events.new_tumor_event.new_neoplasm_eve

distant metastasis intrapleural progression	NA's
1 3	83

patient.follow_ups.follow_up.2.new_tumor_events.new_tumor_event.new_neoplasm_occ

left sided drainage tract, chest wall soft tissue on the left, right sided subpl

patient.follow_ups.follow_up.2.new_tumor_events.new_tumor_event.new_tumor_event_


```

no NA's
4 83

patient.follow_ups.follow_up.2.new_tumor_events.new_tumor_event_after_initial_tr
yes NA's
4 83

patient.follow_ups.follow_up.2.performance_status_scale_timing:
pre-adjuvant therapy      preoperative      NA's
2                          1                84

patient.follow_ups.follow_up.2.person_neoplasm_cancer_status:
with tumor      NA's
5                82

patient.follow_ups.follow_up.2.postoperative_rx_tx:
no  yes NA's
1  4  82

patient.follow_ups.follow_up.2.radiation_therapy:
no  yes NA's
1  3  83

patient.follow_ups.follow_up.2.vital_status:
alive  dead  NA's
3      2    82

patient.follow_ups.follow_up.2.year_of_form_completion:
2014 2015 NA's
3    2  82

patient.follow_ups.follow_up.day_of_form_completion:
Min. 1st Qu.  Median    Mean 3rd Qu.  Max.  NA's
5.0   12.0   18.0   17.5  22.0   30.0  51

patient.follow_ups.follow_up.days_to_death:
Min. 1st Qu.  Median    Mean 3rd Qu.  Max.  NA's
20.0  368.5  449.0   502.3  674.5 1156.0  68

patient.follow_ups.follow_up.days_to_last_followup:
Min. 1st Qu.  Median    Mean 3rd Qu.  Max.  NA's
-8.0  656.8  936.0 1037.6 1444.8 2024.0  73

patient.follow_ups.follow_up.eastern_cancer_oncology_group:
0  1  2  3 NA's
4  6  4  1  72

patient.follow_ups.follow_up.karnofsky_performance_score:
0  50  90 100 NA's
1  1  3  1  81

```

patient.follow_ups.follow_up.lost_follow_up:

no	yes	NA's
32	4	51

patient.follow_ups.follow_up.month_of_form_completion:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1.000	1.000	6.000	5.278	8.000	11.000	51

patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.2.additional_pharm

no	yes	NA's
2	2	83

patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.2.additional_radia

no	yes	NA's
2	1	84

patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.2.days_to_new_tumo

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
130.0	217.0	463.0	567.0	758.5	1425.0	80

patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.2.new_neoplasm_eve

liver	other, specify	NA's
1	2	84

patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.2.new_neoplasm_eve

distant	metastasis	intrapleural	progression	NA's
2			3	82

patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.2.new_neoplasm_occ

ipsilateral	subcutaneous	nodules	NA's
1		1	85

patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.2.new_tumor_event_

no	NA's
7	80

patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.3.additional_pharm

no	NA's
1	86

patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.3.additional_radia

no	NA's
1	86

patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.3.days_to_new_tumo

	237	1038	NA's
1	1		85

patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.3.new_neoplasm_eve

other, specify	NA's
1	86

patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.3.new_neoplasm_event
 distant metastasis NA's
 1 86

patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.3.new_neoplasm_occ
 contralateral pleura NA's
 1 86

patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.3.new_tumor_event_
 no NA's
 2 85

patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.additional_pharmac
 no yes NA's
 2 5 80

patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.additional_radiati
 no NA's
 7 80

patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.days_to_new_tumor_
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 47.0 247.5 479.0 536.8 709.0 1299.0 72

patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.new_neoplasm_event
 lung other, specify NA's
 2 4 81

patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.new_neoplasm_event
 distant metastasis intrapleural progression NA's
 1 12 74

patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.new_neoplasm_occurr
 abdomen ipsilateral
 1 1
 mediastinum and contralateral pleura pleura
 1 1
 NA's
 83

patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.new_tumor_event_ad
 no NA's
 15 72

patient.follow_ups.follow_up.new_tumor_events.new_tumor_event_after_initial_trea
 no yes NA's
 12 18 57

patient.follow_ups.follow_up.performance_status_assessment_timepoint_category_ot
 post surgery and vaccine postoperative NA's
 1 1 85

```

patient.follow_ups.follow_up.performance_status_scale_timing:
      other post-adjuvant therapy pre-adjuvant therapy
          2                9                1
preoperative                NA's
          6                69

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patient.follow_ups.follow_up.person_neoplasm_cancer_status:
tumor free with tumor      NA's
      7          24          56

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```

patient.follow_ups.follow_up.postoperative_rx_tx:
no  yes NA's
10  22  55

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patient.follow_ups.follow_up.radiation_therapy:
no  yes NA's
16  15  56

```

```

patient.follow_ups.follow_up.vital_status:
alive dead NA's
  14   19   54

```

```

patient.follow_ups.follow_up.year_of_form_completion:
2014 2015 NA's
  19   17   51

```

```

patient.gender:
female  male
   16    71

```

```

patient.history_asbestos_exposure:
no  yes NA's
14  56  17

```

```

patient.history_of_neoadjuvant_treatment:
no yes
86  1

```

```

patient.icd_10:
c34.90 c38.4 c45.0
      1      1      85

```

```

patient.icd_o_3_histology:
9050/3 9051/3 9052/3 9053/3
      6      1      58      22

```

```

patient.icd_o_3_site:
c34.9 c38.4
      1      86

```

```

patient.informed_consent_verified:

```

yes
87

patient.karnofsky_performance_score:

0	80	90	100	NA's
1	4	4	3	75

patient.month_of_form_completion:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.
2.000	4.000	6.000	6.161	8.000	12.000

patient.new_tumor_events.new_tumor_event.2.additional_pharmaceutical_therapy:

no	yes	NA's
3	4	80

patient.new_tumor_events.new_tumor_event.2.additional_radiation_therapy:

no	yes	NA's
6	2	79

patient.new_tumor_events.new_tumor_event.2.days_to_new_tumor_event_additional_surgery:

1244	NA's
1	86

patient.new_tumor_events.new_tumor_event.2.days_to_new_tumor_event_after_initial_surgery:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
113.0	236.0	404.0	559.9	883.0	1425.0	74

patient.new_tumor_events.new_tumor_event.2.new_neoplasm_event_type:

distant	metastasis	intrapleural	progression	NA's
		5	9	73

patient.new_tumor_events.new_tumor_event.2.new_neoplasm_occurrence_anatomic_site:

contralateral	effusion	1
pericardial		1
posterolateral	right chest wall to skin surface	1
subcutaneous	nodules	1
		NA's
		83

patient.new_tumor_events.new_tumor_event.2.new_tumor_event_additional_surgery_performed:

no	yes	NA's
10	1	76

patient.new_tumor_events.new_tumor_event.3.additional_pharmaceutical_therapy:

no	yes	NA's
1	1	85

patient.new_tumor_events.new_tumor_event.3.additional_radiation_therapy:
 no NA's
 2 85

patient.new_tumor_events.new_tumor_event.3.days_to_new_tumor_event_additional_surgery:
 1574 NA's
 1 86

patient.new_tumor_events.new_tumor_event.3.days_to_new_tumor_event_after_initial_surgery:
 420 442 1038 1574 NA's
 1 1 1 1 83

patient.new_tumor_events.new_tumor_event.3.new_neoplasm_event_occurrence_anatomical_site:
 abdomen ipsilateral pleura lung NA's
 1 1 1 84

patient.new_tumor_events.new_tumor_event.3.new_neoplasm_event_type:
 distant metastasis intrapleural progression NA's
 1 3 83

patient.new_tumor_events.new_tumor_event.3.new_tumor_event_additional_surgery_performed:
 no yes NA's
 3 1 83

patient.new_tumor_events.new_tumor_event.4.days_to_new_tumor_event_after_initial_surgery:
 724 NA's
 1 86

patient.new_tumor_events.new_tumor_event.4.new_neoplasm_event_occurrence_anatomical_site:
 lung NA's
 1 86

patient.new_tumor_events.new_tumor_event.4.new_neoplasm_event_type:
 intrapleural progression NA's
 1 86

patient.new_tumor_events.new_tumor_event.4.new_tumor_event_additional_surgery_performed:
 no NA's
 1 86

patient.new_tumor_events.new_tumor_event.5.days_to_new_tumor_event_after_initial_surgery:
 822 NA's
 1 86

patient.new_tumor_events.new_tumor_event.5.new_neoplasm_event_occurrence_anatomical_site:
 abdomen NA's
 1 86

patient.new_tumor_events.new_tumor_event.5.new_neoplasm_event_type:
 distant metastasis NA's
 1 86

patient.new_tumor_events.new_tumor_event.additional_pharmaceutical_therapy:
 no yes NA's
 6 12 69

patient.new_tumor_events.new_tumor_event.additional_radiation_therapy:
 no yes NA's
 16 3 68

patient.new_tumor_events.new_tumor_event.days_to_new_tumor_event_additional_surg
 0 132 485 588 NA's
 1 1 1 1 83

patient.new_tumor_events.new_tumor_event.days_to_new_tumor_event_after_initial_t
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 -30.0 119.0 309.0 382.4 519.0 1257.0 55

patient.new_tumor_events.new_tumor_event.new_neoplasm_event_type:
 distant metastasis intrapleural progression NA's
 8 25 54

patient.new_tumor_events.new_tumor_event.new_tumor_event_additional_surgery_pro
 no yes NA's
 23 4 60

patient.new_tumor_events.new_tumor_event_after_initial_treatment:
 no yes NA's
 36 33 18

patient.performance_status_scale_timing:
 other post-adjuvant therapy pre-adjuvant therapy
 2 6 2
 preoperative NA's
 31 46

patient.person_neoplasm_cancer_status:
 tumor free with tumor NA's
 16 50 21

patient.pleurodesis_performed_90_days:
 no yes NA's
 4 5 78

patient.pleurodesis_performed_prior:
 no yes NA's
 78 8 1

patient.postoperative_rx_tx:
 no yes NA's
 32 50 5

patient.primary_occupation:

automotive construction and extraction	1	7
other, please specify	49	welding 1
NA's	29	

patient.primary_occupation_years_worked:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
6.0	19.0	30.0	28.4	39.5	50.0	72

patient.primary_pathology.age_at_initial_pathologic_diagnosis:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.
28.00	57.00	64.00	62.99	69.00	81.00

patient.primary_pathology.creatinine_norm_range_lower:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0.340	0.500	0.600	4.748	0.790	35.000	42

patient.primary_pathology.creatinine_norm_range_upper:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0.90	1.24	1.30	17.45	1.40	125.00	42

patient.primary_pathology.creatinine_prior_tx:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0.530	0.837	0.900	12.503	1.029	126.000	42

patient.primary_pathology.days_to_initial_pathologic_diagnosis:

0
87

patient.primary_pathology.histological_type:

biphasic mesothelioma diffuse malignant mesothelioma - nos	23	5
epithelioid mesothelioma	57	sarcomatoid mesothelioma 2

patient.primary_pathology.laterality:

bilateral	left	right
3	30	54

patient.primary_pathology.mesothelioma_detection_method:

biopsy	cytology	thoracentesis	thorascopy	NA's
52	4	1	15	15

patient.primary_pathology.residual_tumor:

r0	r1	r2	rx	NA's
17	3	15	11	41

patient.primary_pathology.serum_mesothelin_lower_limit:
 0 0.3 NA's
 10 6 71

patient.primary_pathology.serum_mesothelin_prior_tx:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 0.300 1.329 2.300 3.458 4.145 13.421 72

patient.primary_pathology.serum_mesothelin_upper_limit:
 1.5 2.5 NA's
 10 6 71

patient.primary_pathology.suv_of_pleura_max:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 2.600 5.700 8.450 8.218 9.575 16.700 65

patient.primary_pathology.tumor_tissue_site:
 pleura
 87

patient.primary_pathology.year_of_initial_pathologic_diagnosis:
 Min. 1st Qu. Median Mean 3rd Qu. Max.
 1999 2008 2010 2009 2012 2013

patient.prior_dx:
 no yes
 78 9

patient.race:
 asian black or african american white
 1 1 85

patient.radiation_therapy:
 no yes NA's
 58 23 6

patient.radiations.radiation.2.anatomic_treatment_site:
 primary tumor field regional site NA's
 2 3 82

patient.radiations.radiation.2.day_of_form_completion:
 6 9 10 22 NA's
 1 1 2 1 82

patient.radiations.radiation.2.days_to_radiation_therapy_end:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 16.0 152.0 232.0 537.2 735.0 1551.0 82

patient.radiations.radiation.2.days_to_radiation_therapy_start:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's

15.0 117.0 189.0 516.2 717.0 1543.0 82

patient.radiations.radiation.2.measure_of_response:
 complete response partial response
 1 1
 radiographic progressive disease stable disease
 1 1
 NA's
 83

patient.radiations.radiation.2.month_of_form_completion:
 1 6 8 NA's
 1 3 1 82

patient.radiations.radiation.2.numfractions:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 2.0 7.0 10.0 14.8 25.0 30.0 82

patient.radiations.radiation.2.radiation_dosage:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 8.00 15.40 50.40 39.56 54.00 70.00 82

patient.radiations.radiation.2.radiation_treatment_ongoing:
 no NA's
 5 82

patient.radiations.radiation.2.radiation_type:
 external NA's
 4 83

patient.radiations.radiation.2.units:
 gy NA's
 5 82

patient.radiations.radiation.2.year_of_form_completion:
 2014 2015 NA's
 4 1 82

patient.radiations.radiation.3.anatomic_treatment_site:
 regional site NA's
 1 86

patient.radiations.radiation.3.bcr_radiation_barcode:
 tcga-3h-ab3t-r60429 NA's
 1 86

patient.radiations.radiation.3.bcr_radiation_uuid:
 aa8b80b9-ec9f-48c9-a832-948e5b97de85 NA's
 1 86

patient.radiations.radiation.3.day_of_form_completion:
 9 NA's

1 86

patient.radiations.radiation.3.days_to_radiation_therapy_end:

152 NA's

1 86

patient.radiations.radiation.3.days_to_radiation_therapy_start:

117 NA's

1 86

patient.radiations.radiation.3.measure_of_response:

radiographic progressive disease

1

NA's

86

patient.radiations.radiation.3.month_of_form_completion:

6 NA's

1 86

patient.radiations.radiation.3.numfractions:

25 NA's

1 86

patient.radiations.radiation.3.radiation_dosage:

45 NA's

1 86

patient.radiations.radiation.3.radiation_treatment_ongoing:

no NA's

1 86

patient.radiations.radiation.3.radiation_type:

external NA's

1 86

patient.radiations.radiation.3.units:

gy NA's

1 86

patient.radiations.radiation.3.year_of_form_completion:

2014 NA's

1 86

patient.radiations.radiation.anatomic_treatment_site:

distant recurrence local recurrence primary tumor field regional site

1

2

13

7

NA's

64

patient.radiations.radiation.day_of_form_completion:

Min. 1st Qu. Median Mean 3rd Qu. Max. NA's

```

4.00    9.00    11.00    15.52    23.00    30.00    62

patient.radiations.radiation.days_to_radiation_therapy_end:
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.    NA's
120.0  163.5    225.5    318.4   303.2   1551.0    63

patient.radiations.radiation.days_to_radiation_therapy_start:
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.    NA's
110.0  132.0    175.5    277.9   264.5   1524.0    65

patient.radiations.radiation.measure_of_response:
      complete response                partial response
      4                                7
radiographic progressive disease        stable disease
      3                                3
      NA's
      70

patient.radiations.radiation.month_of_form_completion:
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.    NA's
  1.00    6.00    6.00    6.84    9.00   12.00    62

patient.radiations.radiation.numfractions:
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.    NA's
  1.0    10.0    25.0    18.1    26.0    30.0    66

patient.radiations.radiation.radiation_dosage:
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.    NA's
  8.00    23.25    50.00  1375.45  3525.00  5220.00    65

patient.radiations.radiation.radiation_treatment_ongoing:
  no NA's
  25    62

patient.radiations.radiation.radiation_type:
  external    NA's
  22         65

patient.radiations.radiation.units:
  cgy    gy    NA's
  6     16    65

patient.radiations.radiation.year_of_form_completion:
  2013 2014 2015 NA's
  8   14   3   62

patient.stage_event.system_version:
  5th 6th 7th
  5   38  44

patient.stage_event.tnm_categories.pathologic_categories.pathologic_m:

```

m0 m1 mx
57 3 27

patient.stage_event.tnm_categories.pathologic_categories.pathologic_n:
n0 n1 n2 n3 nx
44 10 26 3 4

patient.tissue_prospective_collection_indicator:
no yes
76 11

patient.tissue_retrospective_collection_indicator:
no yes
11 76

patient.vital_status:
alive dead
29 58

patient.year_of_form_completion:
2013 2014
31 56

patient.bcr_canonical_check.bcr_patient_canonical_status:
canonical
87

patient.biospecimen_cqcf.consent_or_death_status:
consented deceased
65 22

patient.biospecimen_cqcf.country:
australia brazil united kingdom united states
12 3 5 67

patient.biospecimen_cqcf.days_to_pathology_review:
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
167 614 1640 2184 3566 4870 70

patient.biospecimen_cqcf.days_to_sample_procurement:
Min. 1st Qu. Median Mean 3rd Qu. Max.
-147.00 0.00 28.00 46.85 59.00 796.00

patient.biospecimen_cqcf.ethnicity:
not hispanic or latino NA's
63 24

patient.biospecimen_cqcf.frozen_specimen_anatomic_site:
pleura
87

```

patient.biospecimen_cqcf.histological_type:
    diffuse malignant mesothelioma - biphasic
                                     23
diffuse malignant mesothelioma - epithelioid
                                     58
    diffuse malignant mesothelioma - nos
                                     4
diffuse malignant mesothelioma -sarcomatoid
                                     2

patient.biospecimen_cqcf.history_of_neoadjuvant_treatment:
    no yes, radiation prior to resection
    86
                                     1

patient.biospecimen_cqcf.method_of_sample_procurement:
    open surgery other method (please specify)
    45
                                     12
    thoracoscopic biopsy
    30

patient.biospecimen_cqcf.normal_controls.normal_control.2.days_to_normal_sample_
    0 NA's
    6 81

patient.biospecimen_cqcf.normal_controls.normal_control.2.extracted_dna.ncedna_d
    Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
    110.0 110.5 141.0 155.4 172.6 257.0 81

patient.biospecimen_cqcf.normal_controls.normal_control.2.extracted_dna.ncedna_d
nano drop NA's
    6 81

patient.biospecimen_cqcf.normal_controls.normal_control.2.extracted_dna.ncedna_d
    Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
    13200 13260 16920 18648 20706 30840 81

patient.biospecimen_cqcf.normal_controls.normal_control.2.extracted_dna.ncedna_d
120 NA's
    6 81

patient.biospecimen_cqcf.normal_controls.normal_control.2.method_of_normal_sampl
blood draw NA's
    5 82

patient.biospecimen_cqcf.normal_controls.normal_control.2.vial_number:
    1 NA's
    9 78

patient.biospecimen_cqcf.normal_controls.normal_control.days_to_normal_sample_pr

```

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.
-147.00	0.00	36.00	52.11	66.50	490.00

patient.biospecimen_cqcf.normal_controls.normal_control.extracted_dna.ncedna_dna

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0.0700	0.2867	0.3715	143.0107	135.1643	1487.0000	65

patient.biospecimen_cqcf.normal_controls.normal_control.extracted_dna.ncedna_dna

nanodrop	oragene saliva extraction
----------	---------------------------

12	2
----	---

qiagen genomic dna preparation kit spectrophotometry

1	7
---	---

NA's

65

patient.biospecimen_cqcf.normal_controls.normal_control.extracted_dna.ncedna_dna

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
11.09	20.00	22.00	9468.09	30.10	60000.00	66

patient.biospecimen_cqcf.normal_controls.normal_control.extracted_dna.ncedna_dna

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
20.0	66.0	75.0	87.5	110.8	300.0	65

patient.biospecimen_cqcf.normal_controls.normal_control.method_of_normal_sample_

blood draw tumor resection

86	1
----	---

patient.biospecimen_cqcf.normal_controls.normal_control.normal_tissue.normal_tis

peritoneum NA's

1	86
---	----

patient.biospecimen_cqcf.normal_controls.normal_control.normal_tissue.normal_tis

distal (>2cm) NA's

1	86
---	----

patient.biospecimen_cqcf.normal_controls.normal_control.vial_number:

1

87

patient.biospecimen_cqcf.other_vessel_used:

nalgene bottle	plastic wrap	universal container	NA's
----------------	--------------	---------------------	------

7	7	5	68
---	---	---	----

patient.biospecimen_cqcf.path_confirm_diagnosis_matching:

no	yes	NA's
----	-----	------

3	76	8
---	----	---

patient.biospecimen_cqcf.path_confirm_report_attached:

yes

87

patient.biospecimen_cqcf.path_confirm_tumor_necrosis_metrics:

yes NA's
79 8

patient.biospecimen_cqcf.path_confirm_tumor_nuclei_metrics:

yes NA's
79 8

patient.biospecimen_cqcf.race:

asian black or african american
1 1
NA's
8

white
77

patient.biospecimen_cqcf.sample_prescreened:

no yes
8 79

patient.biospecimen_cqcf.site_of_disease:

pleura
87

patient.biospecimen_cqcf.submitted_for_lce:

no yes NA's
13 4 70

patient.biospecimen_cqcf.tumor_samples.tumor_sample.2.tumor_necrosis_percent:

0 NA's
5 82

patient.biospecimen_cqcf.tumor_samples.tumor_sample.2.tumor_nuclei_percent:

80 90 100 NA's
2 1 2 82

patient.biospecimen_cqcf.tumor_samples.tumor_sample.2.tumor_weight:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
10.0	28.0	36.0	82.8	140.0	200.0	82

patient.biospecimen_cqcf.tumor_samples.tumor_sample.2.vial_number:

1 NA's
5 82

patient.biospecimen_cqcf.tumor_samples.tumor_sample.tumor_necrosis_percent:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0.000	0.000	0.000	1.278	0.000	15.000	8

patient.biospecimen_cqcf.tumor_samples.tumor_sample.tumor_nuclei_percent:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
20.00	60.00	70.00	72.03	85.00	100.00	8

patient.biospecimen_cqcf.tumor_samples.tumor_sample.tumor_weight:
 Min. 1st Qu. Median Mean 3rd Qu. Max.
 1.0 116.5 200.0 266.9 400.0 885.0

patient.biospecimen_cqcf.tumor_samples.tumor_sample.vial_number:
 1
 87

patient.biospecimen_cqcf.vessel_used:
 biospecimen storage bag cassette cryomold
 9 7 31
 cryovial other (please specify)
 21 19

patient.days_to_index:
 0
 87

patient.samples.sample.2.days_to_collection:
 Min. 1st Qu. Median Mean 3rd Qu. Max.
 91.0 439.5 1087.0 1414.8 1916.0 5157.0

patient.samples.sample.2.initial_weight:
 160 NA's
 1 86

patient.samples.sample.2.is_ffpe:
 no
 87

patient.samples.sample.2.oct_embedded:
 false true
 86 1

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.2.bi
 Min. 1st Qu. Median Mean 3rd Qu. Max.
 160356672 160356826 167779878 164623673 167779928 167789531

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.2.ce
 32
 87

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.2.co
 0.14 0.15 0.16 0.17
 23 20 35 9

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.2.da
 14 25

50 37

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.2.is
no
87

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.2.mo
5 11
50 37

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.2.pl
Min. 1st Qu. Median Mean 3rd Qu. Max.
1.000 4.000 7.000 6.241 9.000 12.000

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.2.pl
a34c a39u
37 50

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.2.qu
2.8 3 3.2 3.4
23 20 35 9

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.2.so
23
87

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.2.vo
20
87

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.2.ye
2013 2014
37 50

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.3.bi
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
167823456 167823481 167823504 167823505 167823528 167823551 17

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.3.ce
26 NA's
70 17

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.3.co
0.14 0.15 0.16 0.17 NA's
19 14 31 6 17

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.3.da
14 NA's
70 17

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.3.is
 no NA's
 70 17

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.3.mo
 5 NA's
 70 17

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.3.pl

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1.000	3.000	5.000	4.886	7.000	9.000	17

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.3.pl
 a40g NA's
 70 17

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.3.qu

1.4	1.5	1.6	1.7	NA's
19	14	31	6	17

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.3.so
 23 NA's
 70 17

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.3.vo
 10 NA's
 70 17

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.3.ye
 2014 NA's
 70 17

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.bios

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.
160356685	160356734	167789472	164628288	167789494	167789517

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.cent
 1
 87

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.conc

0.14	0.15	0.16	0.17
23	20	35	9

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.day_
 14 25
 50 37

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.is_d
no
87

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.mont
5 11
50 37

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.plat
Min. 1st Qu. Median Mean 3rd Qu. Max.
1.000 4.000 7.000 6.241 9.000 12.000

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.plat
a34b a39t
37 50

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.quant
0.94 1.01 1.07 1.14
23 20 35 9

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.sour
23
87

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.vol
6.7
87

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.year
2013 2014
37 50

patient.samples.sample.2.portions.portion.analytes.analyte.amount:
Min. 1st Qu. Median Mean 3rd Qu. Max.
5.20 12.88 20.68 30.55 42.38 157.62

patient.samples.sample.2.portions.portion.analytes.analyte.analyte_type:
dna
87

patient.samples.sample.2.portions.portion.analytes.analyte.analyte_type_id:
d
87

patient.samples.sample.2.portions.portion.analytes.analyte.concentration:
0.14 0.15 0.16 0.17
23 20 35 9

patient.samples.sample.2.portions.portion.analytes.analyte.dna.normal_tumor_genom

yes
87

patient.samples.sample.2.portions.portion.analytes.analyte.dna.pcr_amplification
yes
87

patient.samples.sample.2.portions.portion.analytes.analyte.gel_image_file:
<https://sharedoc.nchri.org/tcga-bcr/default.aspx>
87

patient.samples.sample.2.portions.portion.analytes.analyte.is_derived_from_ffpe:
no
87

patient.samples.sample.2.portions.portion.analytes.analyte.protocols.protocol.ex
adna preparation type pre-extracted dna received by tss
59 28

patient.samples.sample.2.portions.portion.analytes.analyte.spectrophotometer_met
picogreen
87

patient.samples.sample.2.portions.portion.analytes.analyte.subportion_sequence:
3 NA's
1 86

patient.samples.sample.2.portions.portion.day_of_creation:
Min. 1st Qu. Median Mean 3rd Qu. Max.
2.00 9.00 16.00 15.05 21.00 30.00

patient.samples.sample.2.portions.portion.is_ffpe:
no
87

patient.samples.sample.2.portions.portion.month_of_creation:
Min. 1st Qu. Median Mean 3rd Qu. Max.
1.000 2.000 4.000 5.023 9.000 11.000

patient.samples.sample.2.portions.portion.portion_number:
1
87

patient.samples.sample.2.portions.portion.portion_sequence:
1 NA's
44 43

patient.samples.sample.2.portions.portion.slides.slide.bcr_slide_barcode:
tcga-xt-aasu-11a-01-tsa NA's
1 86

patient.samples.sample.2.portions.portion.slides.slide.bcr_slide_uuid:
 c37ff230-ea8c-4f8f-aed0-914e482f3da6 NA's
 1 86

patient.samples.sample.2.portions.portion.slides.slide.image_file_name:
 tcga-xt-aasu-11a-01-tsa.c37ff230-ea8c-4f8f-aed0-914e482f3da6.svs
 1
 NA's
 86

patient.samples.sample.2.portions.portion.slides.slide.is_derived_from_ffpe:
 no NA's
 1 86

patient.samples.sample.2.portions.portion.slides.slide.percent_lymphocyte_infiltration:
 5 NA's
 1 86

patient.samples.sample.2.portions.portion.slides.slide.percent_monocyte_infiltration:
 0 NA's
 1 86

patient.samples.sample.2.portions.portion.slides.slide.percent_necrosis:
 0 NA's
 1 86

patient.samples.sample.2.portions.portion.slides.slide.percent_neutrophil_infiltration:
 0 NA's
 1 86

patient.samples.sample.2.portions.portion.slides.slide.percent_normal_cells:
 1 NA's
 1 86

patient.samples.sample.2.portions.portion.slides.slide.percent_stromal_cells:
 99 NA's
 1 86

patient.samples.sample.2.portions.portion.slides.slide.percent_tumor_cells:
 0 NA's
 1 86

patient.samples.sample.2.portions.portion.slides.slide.percent_tumor_nuclei:
 0 NA's
 1 86

patient.samples.sample.2.portions.portion.slides.slide.section_location:
 top NA's
 1 86

patient.samples.sample.2.portions.portion.weight:

2 90 NA's
58 1 28

patient.samples.sample.2.portions.portion.year_of_creation:
2012 2013 2014
10 34 43

patient.samples.sample.2.sample_type:
blood derived normal solid tissue normal
86 1

patient.samples.sample.2.sample_type_id:
10 11
86 1

patient.samples.sample.2.vial_number:
a b
78 9

patient.samples.sample.days_to_collection:
Min. 1st Qu. Median Mean 3rd Qu. Max.
91 442 1087 1399 1916 5129

patient.samples.sample.diagnostic_slides.ffpe_slide_uuid.3:
11c557f2-220f-4200-8003-90cafc5e1fc a761e40b-50c2-4157-be06-52095fd4faf6
1 1
b727fae0-4562-4976-a896-6dab791045ae bc2dbeea-1c7c-41ad-97d4-92fbf0483200
1 1
NA's
83

patient.samples.sample.diagnostic_slides.ffpe_slide_uuid.4:
70bc2caa-e576-4d03-b996-b67f6abda950 NA's
1 86

patient.samples.sample.initial_weight:
Min. 1st Qu. Median Mean 3rd Qu. Max.
20.0 90.0 230.0 281.8 415.0 810.0

patient.samples.sample.is_ffpe:
no
87

patient.samples.sample.oct_embedded:
false true
13 74

patient.samples.sample.portions.portion.analytes.analyte.2.a260_a280_ratio:
 Min. 1st Qu. Median Mean 3rd Qu. Max.
 1.760 1.820 1.850 1.856 1.890 2.040

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.2.bi
 Min. 1st Qu. Median Mean 3rd Qu. Max.
 160355114 160356010 167788912 164627911 167788948 167788989

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.2.ce
 7 13
 50 37

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.2.co
 0.14 0.15 0.16 0.17 0.18
 1 4 31 31 20

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.2.da
 14 25
 50 37

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.2.is
 no
 87

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.2.mo
 5 11
 50 37

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.2.pl
 Min. 1st Qu. Median Mean 3rd Qu. Max.
 1.000 3.000 4.000 4.218 6.000 8.000

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.2.pl
 a34g a40a
 37 50

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.2.qu
 Min. 1st Qu. Median Mean 3rd Qu. Max.
 1.950 2.080 2.210 2.681 3.400 3.600

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.2.so
 23
 87

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.2.vo
 13 20
 50 37

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.2.ye
 2013 2014
 37 50

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.bios
 Min. 1st Qu. Median Mean 3rd Qu. Max.
 160356852 160357012 167811942 164641444 167811988 167812029

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.cent
 7 13
 37 50

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.conc
 0.14 0.15 0.16 0.17 0.18
 1 4 31 31 20

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.day_
 14 25
 50 37

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.is_d
 no
 87

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.mont
 5 11
 50 37

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.plat
 Min. 1st Qu. Median Mean 3rd Qu. Max.
 1.000 3.000 4.000 4.218 6.000 8.000

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.plat
 a34f a404
 37 50

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.quan
 Min. 1st Qu. Median Mean 3rd Qu. Max.
 1.820 2.210 3.200 2.846 3.400 3.600

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.sour
 23
 87

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.vol
 13 20
 37 50

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.year

2013 2014
37 50

patient.samples.sample.portions.portion.analytes.analyte.2.amount:
Min. 1st Qu. Median Mean 3rd Qu. Max.
7.42 20.07 32.60 33.65 43.73 71.89

patient.samples.sample.portions.portion.analytes.analyte.2.analyte_type:
rna
87

patient.samples.sample.portions.portion.analytes.analyte.2.analyte_type_id:
r
87

patient.samples.sample.portions.portion.analytes.analyte.2.concentration:
0.14 0.15 0.16 0.17 0.18
1 4 31 31 20

patient.samples.sample.portions.portion.analytes.analyte.2.gel_image_file:
<https://sharedoc.nchri.org/tcga-bcr/default.aspx>
87

patient.samples.sample.portions.portion.analytes.analyte.2.is_derived_from_ffpe:
no
87

patient.samples.sample.portions.portion.analytes.analyte.2.protocols.protocol.ex
mirvana (allprep dna) rna
87

patient.samples.sample.portions.portion.analytes.analyte.2.rna.ratio_28s_18s:
Min. 1st Qu. Median Mean 3rd Qu. Max.
0.660 1.320 1.460 1.461 1.650 2.200

patient.samples.sample.portions.portion.analytes.analyte.2.rna.rinvalue:
Min. 1st Qu. Median Mean 3rd Qu. Max.
7.000 7.800 8.300 8.291 8.800 9.600

patient.samples.sample.portions.portion.analytes.analyte.2.spectrophotometer_met
uv spec
87

patient.samples.sample.portions.portion.analytes.analyte.2.subportion_sequence:
1 2 NA's
76 7 4

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.2.bios

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.
160356714	160357736	167780357	164624129	167780400	167789527

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.2.cent
32
87

0.14	0.15	0.16	0.17
12	24	35	16

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.2.day_
14 25
50 37

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.2.is_d
no
87

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.2.mont
5 11
50 37

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.
1.00	2.00	4.00	3.69	5.00	8.00

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.2.plat
a34c a39r
37 50

2.8	3	3.2	3.4
12	24	35	16

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.2.sour
23
87

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.2.vol
20
87

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.2.year
2013 2014
37 50

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.
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patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.3.bios

160355070 160355964 167780375 164622834 167780412 167780447

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.3.cent
5
87

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.3.conc
0.14 0.15 0.16 0.17
12 24 35 16

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.3.day_
14 25
50 37

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.3.is_d
no
87

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.3.mont
5 11
50 37

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.3.plat
Min. 1st Qu. Median Mean 3rd Qu. Max.
1.00 2.00 4.00 3.69 5.00 8.00

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.3.plat
a34e a39s
37 50

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.3.quan
1.82 1.95 2.08 2.21
12 24 35 16

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.3.sour
23
87

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.3.vol
13
87

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.3.year
2013 2014
37 50

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.4.bios
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
167778013 167789028 167789196 167789044 167789404 167789462 17

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.4.cent
 26 NA's
 70 17

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.4.conc
 0.14 0.15 0.16 0.17 NA's
 8 21 29 12 17

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.4.day_
 14 NA's
 70 17

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.4.is_d
 no NA's
 70 17

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.4.mont
 5 NA's
 70 17

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.4.plat

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1.000	3.000	5.000	4.886	7.000	9.000	17

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.4.plat
 a40f NA's
 70 17

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.4.quan
 1.4 1.5 1.6 1.7 NA's
 8 21 29 12 17

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.4.sour
 23 NA's
 70 17

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.4.vol
 10 NA's
 70 17

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.4.year
 2014 NA's
 70 17

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.biospe

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.
160355029	160356740	167779895	164622895	167779932	167779967

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.center
1
87

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.concen
0.14 0.15 0.16 0.17
12 24 35 16

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.day_of
14 25
50 37

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.is_der
no
87

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.month_
5 11
50 37

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.plate_
Min. 1st Qu. Median Mean 3rd Qu. Max.
1.00 2.00 4.00 3.69 5.00 8.00

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.plate_
a34b a39q
37 50

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.quantit
0.94 1.01 1.07 1.14
12 24 35 16

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.source
23
87

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.volume
6.7
87

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.year_o
2013 2014
37 50

patient.samples.sample.portions.portion.analytes.analyte.amount:
Min. 1st Qu. Median Mean 3rd Qu. Max.
8.29 13.48 20.95 22.14 29.32 61.13

patient.samples.sample.portions.portion.analytes.analyte.analyte_type:
dna
87

patient.samples.sample.portions.portion.analytes.analyte.analyte_type_id:
 d
 87

patient.samples.sample.portions.portion.analytes.analyte.concentration:
 0.14 0.15 0.16 0.17
 12 24 35 16

patient.samples.sample.portions.portion.analytes.analyte.dna.normal_tumor_genotype:
 yes
 87

patient.samples.sample.portions.portion.analytes.analyte.dna.pcr_amplification_status:
 yes
 87

patient.samples.sample.portions.portion.analytes.analyte.gel_image_file:
<https://sharedoc.nchri.org/tcga-bcr/default.aspx>
 87

patient.samples.sample.portions.portion.analytes.analyte.is_derived_from_ffpe:
 no
 87

patient.samples.sample.portions.portion.analytes.analyte.protocols.protocol.experimental_protocol:
 adna preparation type
 87

patient.samples.sample.portions.portion.analytes.analyte.spectrophotometer_method:
 picogreen
 87

patient.samples.sample.portions.portion.analytes.analyte.subportion_sequence:
 1 2 NA's
 76 7 4

patient.samples.sample.portions.portion.day_of_creation:
 Min. 1st Qu. Median Mean 3rd Qu. Max.
 1.00 14.00 19.00 19.28 27.00 31.00

patient.samples.sample.portions.portion.is_ffpe:
 no
 87

patient.samples.sample.portions.portion.month_of_creation:
 Min. 1st Qu. Median Mean 3rd Qu. Max.
 1.000 1.000 4.000 5.356 10.000 12.000

patient.samples.sample.portions.portion.portion_number:
 11 12 21 31 41
 69 8 8 1 1

patient.samples.sample.portions.portion.portion_sequence:
 1 2 3 4 NA's
 39 4 1 1 42

patient.samples.sample.portions.portion.slides.slide.is_derived_from_ffpe:
 no
 87

patient.samples.sample.portions.portion.slides.slide.percent_lymphocyte_infiltration:
 Min. 1st Qu. Median Mean 3rd Qu. Max.
 0.00 1.50 2.00 11.64 4.50 70.00

patient.samples.sample.portions.portion.slides.slide.percent_monocyte_infiltration:
 0 1 2 10 20
 54 13 3 7 10

patient.samples.sample.portions.portion.slides.slide.percent_necrosis:
 Min. 1st Qu. Median Mean 3rd Qu. Max.
 0.000 0.000 0.000 1.862 0.000 20.000

patient.samples.sample.portions.portion.slides.slide.percent_neutrophil_infiltration:
 Min. 1st Qu. Median Mean 3rd Qu. Max.
 0.000 0.000 0.000 3.667 4.000 20.000

patient.samples.sample.portions.portion.slides.slide.percent_normal_cells:
 0 10 15 20 30
 83 1 1 1 1

patient.samples.sample.portions.portion.slides.slide.percent_stromal_cells:
 Min. 1st Qu. Median Mean 3rd Qu. Max.
 0.00 0.00 0.00 12.85 20.00 85.00

patient.samples.sample.portions.portion.slides.slide.percent_tumor_cells:
 Min. 1st Qu. Median Mean 3rd Qu. Max.
 15.00 70.00 90.00 84.43 100.00 100.00

patient.samples.sample.portions.portion.slides.slide.percent_tumor_nuclei:
 Min. 1st Qu. Median Mean 3rd Qu. Max.
 60.00 70.00 75.00 76.01 80.00 100.00

patient.samples.sample.portions.portion.slides.slide.section_location:
 top
 87

patient.samples.sample.portions.portion.weight:

10 20 30
1 7 79

patient.samples.sample.portions.portion.year_of_creation:

2012 2013 2014
16 29 42

patient.samples.sample.portions.shipment_portion.center_id:

20 NA's
63 24

patient.samples.sample.portions.shipment_portion.is_ffpe:

no NA's
63 24

patient.samples.sample.portions.shipment_portion.plate_id:

a45o NA's
63 24

patient.samples.sample.portions.shipment_portion.portion_number:

11 21 51 NA's
6 56 1 24

patient.samples.sample.portions.shipment_portion.portion_sequence:

1 2 5 NA's
2 29 1 55

patient.samples.sample.portions.shipment_portion.shipment_portion_day_of_shipment:

30 NA's
63 24

patient.samples.sample.portions.shipment_portion.shipment_portion_month_of_shipment:

7 NA's
63 24

patient.samples.sample.portions.shipment_portion.shipment_portion_year_of_shipment:

2014 NA's
63 24

patient.samples.sample.sample_type:

primary tumor
87

patient.samples.sample.sample_type_id:

1
87

patient.samples.sample.vial_number:

a b

82 5

OV

*Ovarian serous cystadenocarcinoma***Description**

A document describing the TCGA cancer code

Details

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> experiments( OV )
ExperimentList class object of length 17:
 [1] CNACGH_CGH_hg_244a-20160128: RaggedExperiment with 128946 rows and 472 columns
 [2] CNACGH_CGH_hg_415k_g4124a-20160128: RaggedExperiment with 245847 rows and 6 columns
 [3] CNASNP-20160128: RaggedExperiment with 907765 rows and 1145 columns
 [4] CNVSNP-20160128: RaggedExperiment with 261680 rows and 1141 columns
 [5] GISTIC_AllByGene-20160128: SummarizedExperiment with 24776 rows and 573 columns
 [6] GISTIC_ThresholdedByGene-20160128: SummarizedExperiment with 24776 rows and 573 columns
 [7] Methylation_methyl27-20160128: SummarizedExperiment with 27578 rows and 591 columns
 [8] Methylation_methyl450-20160128: SummarizedExperiment with 485577 rows and 1141 columns
 [9] miRNAArray-20160128: SummarizedExperiment with 821 rows and 573 columns
 [10] miRNASeqGene-20160128: SummarizedExperiment with 705 rows and 461 columns
 [11] mRNAArray_huex-20160128: SummarizedExperiment with 18632 rows and 575 columns
 [12] mRNAArray_TX_g4502a-20160128: SummarizedExperiment with 17814 rows and 575 columns
 [13] mRNAArray_TX_ht_hg_u133a-20160128: SummarizedExperiment with 12042 rows and 575 columns
 [14] Mutation-20160128: RaggedExperiment with 20219 rows and 316 columns
 [15] RNASeq2GeneNorm-20160128: SummarizedExperiment with 20501 rows and 307 columns
 [16] RNASeqGene-20160128: SummarizedExperiment with 19990 rows and 299 columns
 [17] RPPAArray-20160128: SummarizedExperiment with 208 rows and 427 columns

> rownames( OV )
CharacterList of length 17
[["CNACGH_CGH_hg_244a-20160128"]] character(0)
[["CNACGH_CGH_hg_415k_g4124a-20160128"]] character(0)
[["CNASNP-20160128"]] character(0)
[["CNVSNP-20160128"]] character(0)
[["GISTIC_AllByGene-20160128"]] ACAP3 ACTRT2 ... WASIR1|ENSG00000185203.7
[["GISTIC_ThresholdedByGene-20160128"]] ACAP3 ... WASIR1|ENSG00000185203.7
[["Methylation_methyl27-20160128"]] cg00000292 cg00002426 ... cg27665659
[["Methylation_methyl450-20160128"]] cg00000029 cg00000108 ... rs9839873
[["miRNAArray-20160128"]] DarkCorner dmr_285 dmr_3 ... NegativeControl SCorner3
[["miRNASeqGene-20160128"]] hsa-let-7a-1 hsa-let-7a-2 ... hsa-mir-99b
...
<7 more elements>

> colnames( OV )
CharacterList of length 17
[["CNACGH_CGH_hg_244a-20160128"]] TCGA-04-1331-01A-01D-0431-02 ...
[["CNACGH_CGH_hg_415k_g4124a-20160128"]] TCGA-04-1353-01A-01D-1046-02 ...

```

```

[["CNASNP-20160128"]] TCGA-04-1331-01A-01D-0428-01 ...
[["CNVSNP-20160128"]] TCGA-04-1331-01A-01D-0428-01 ...
[["GISTIC_AllByGene-20160128"]] TCGA-04-1331-01A-01D-0428-01 ...
[["GISTIC_ThresholdedByGene-20160128"]] TCGA-04-1331-01A-01D-0428-01 ...
[["Methylation_methyl27-20160128"]] TCGA-04-1331-01A-01D-0432-05 ...
[["Methylation_methyl450-20160128"]] TCGA-13-A5FT-01A-11D-A409-05 ...
[["miRNAArray-20160128"]] TCGA-04-1331-01A-01T-0438-07 ...
[["miRNASeqGene-20160128"]] TCGA-04-1331-01A-01R-1569-13 ...
...
<7 more elements>

```

Sizes of each ExperimentList element:

	assay	size.Mb
1	CNACGH_CGH_hg_244a-20160128	3.6 Mb
2	CNACGH_CGH_hg_415k_g4124a-20160128	6.8 Mb
3	CNASNP-20160128	24.6 Mb
4	CNVSNP-20160128	7.3 Mb
5	GISTIC_AllByGene-20160128	4.4 Mb
6	GISTIC_ThresholdedByGene-20160128	4.4 Mb
7	Methylation_methyl27-20160128	4.4 Mb
8	Methylation_methyl450-20160128	67.4 Mb
9	miRNAArray-20160128	0.1 Mb
10	miRNASeqGene-20160128	0.1 Mb
11	mRNAArray_huex-20160128	1.1 Mb
12	mRNAArray_TX_g4502a-20160128	1 Mb
13	mRNAArray_TX_ht_hg_u133a-20160128	0.7 Mb
14	Mutation-20160128	7.3 Mb
15	RNASeq2GeneNorm-20160128	1.1 Mb
16	RNASeqGene-20160128	1.1 Mb
17	RPPAArray-20160128	0.1 Mb

Overall survival time-to-event summary (in years):

```

Call: survfit(formula = survival::Surv(colDat$days_to_death/365, colDat$vital_status - 1)

```

```

    247 observations deleted due to missingness
      n events median 0.95LCL 0.95UCL
343.00 343.00   2.94   2.76   3.17

```

Available sample meta-data:

```

years_to_birth:
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.   NA's
 26.00  51.00   59.00   59.78  69.00   89.00    21

```

vital_status:

0 1
246 344

days_to_death:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
8.0	567.5	1073.0	1147.4	1557.0	4624.0	247

days_to_last_followup:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
16	266	842	1216	1931	5481	358

tumor_tissue_site:

omentum	ovary	peritoneum	ovary	NA's
3	575		2	10

gender:

female	NA's
580	10

date_of_initial_pathologic_diagnosis:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1992	2001	2004	2004	2007	2013	10

radiation_therapy:

no	yes	NA's
556	5	29

karnofsky_performance_score:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
40.00	60.00	80.00	75.83	80.00	100.00	506

histological_type:

serous cystadenocarcinoma	NA's
580	10

residual_tumor:

r0	r1	r2	rx	NA's
15	31	5	3	536

ethnicity:

hispanic or latino	not hispanic or latino	NA's
11	338	241

admin.bcr:

international genomics consortium	nationwide children's hospital
10	580

admin.day_of_dcc_upload:

1	15
580	10

admin.disease_code:
 ov
 590

admin.month_of_dcc_upload:
 10 12
 580 10

admin.patient_withdrawal.withdrawn:
 false NA's
 580 10

admin.project_code:
 tcga NA's
 580 10

admin.year_of_dcc_upload:
 2010 2015
 10 580

patient.age_at_initial_pathologic_diagnosis:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
26.00	51.00	59.00	59.76	69.00	89.00	10

patient.anatomic_neoplasm_subdivision:

bilateral	left	right	NA's
395	82	69	44

patient.day_of_form_completion:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1.00	2.00	9.00	12.76	24.00	31.00	10

patient.days_to_birth:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
-32853	-25213	-21582	-22012	-18757	-9760	21

patient.days_to_death:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
8	527	1021	1064	1470	4624	294

patient.days_to_initial_pathologic_diagnosis:
 0 NA's
 580 10

patient.days_to_last_followup:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0.0	276.0	802.0	958.9	1373.0	5481.0	81

```

patient.drugs.drug.10.day_of_form_completion:
  Min. 1st Qu.  Median    Mean 3rd Qu.  Max.    NA's
  1.00  12.25   17.00   16.98  23.75   29.00   540

patient.drugs.drug.10.days_to_drug_therapy_end:
  Min. 1st Qu.  Median    Mean 3rd Qu.  Max.    NA's
  79.0  659.5   995.0  1098.4  1473.0  2745.0  547

patient.drugs.drug.10.days_to_drug_therapy_start:
  Min. 1st Qu.  Median    Mean 3rd Qu.  Max.    NA's
   6.0  509.5   938.5  1039.3  1382.0  3808.0  542

patient.drugs.drug.10.month_of_form_completion:
  Min. 1st Qu.  Median    Mean 3rd Qu.  Max.    NA's
  1.00   4.00   5.00   6.86  11.00  12.00   540

patient.drugs.drug.10.number_cycles:
  Min. 1st Qu.  Median    Mean 3rd Qu.  Max.    NA's
  1.000  3.000  5.000  5.227  6.000  17.000  546

patient.drugs.drug.10.prescribed_dose:
  300 NA's
   1  589

patient.drugs.drug.10.prescribed_dose_units:
  auc      mg mg/day  mg/m2  NA's
   3      29      1      7    550

patient.drugs.drug.10.regimen_indication:
      adjuvant other: specify in notes      progression
              7                          1
      recurrence                          NA's
              17                          540

patient.drugs.drug.10.regimen_indication_notes:
  persistant      NA's
   1              589

patient.drugs.drug.10.regimen_number:
  6 NA's
  1  589

patient.drugs.drug.10.route_of_administrations.route_of_administration:
  intra-peritoneal (ip)      intravenous (iv)      oral
              2              39              2
              NA's
              547

patient.drugs.drug.10.route_of_administrations.route_of_administration.2:
  intravenous (iv)      NA's

```

1 589

patient.drugs.drug.10.therapy_ongoing:

no	yes	NA's
48	1	541

patient.drugs.drug.10.therapy_types.therapy_type:

chemotherapy	targeted	molecular	therapy
49			1
NA's			
540			

patient.drugs.drug.10.total_dose:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
2	90	500	7144	2275	210000	551

patient.drugs.drug.10.total_dose_units:

auc	mg	mg/day	mg/m2	NA's
3	29	1	7	550

patient.drugs.drug.10.year_of_form_completion:

2009	2010	2012	NA's
34	15	1	540

patient.drugs.drug.11.day_of_form_completion:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1.0	11.5	16.0	16.7	24.0	28.0	547

patient.drugs.drug.11.days_to_drug_therapy_end:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
117	606	946	1097	1425	2951	553

patient.drugs.drug.11.days_to_drug_therapy_start:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
14	547	827	1004	1398	2819	551

patient.drugs.drug.11.month_of_form_completion:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1.000	3.000	5.000	6.233	11.000	12.000	547

patient.drugs.drug.11.number_cycles:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1.000	3.000	6.000	5.938	7.250	18.000	558

patient.drugs.drug.11.prescribed_dose:

72	NA's
1	589

patient.drugs.drug.11.prescribed_dose_units:

auc	mg	mg/kg	mg/m2	NA's
2	25	1	6	556

patient.drugs.drug.11.regimen_indication:

adjuvant	other: specify in notes	progression
7	1	21
recurrence	NA's	
14	547	

patient.drugs.drug.11.regimen_indication_notes:

recurrent and progression	NA's
1	589

patient.drugs.drug.11.regimen_number:

NA's
1 589

patient.drugs.drug.11.route_of_administrations.route_of_administration:

intra-peritoneal (ip)	intravenous (iv)	oral
1	30	4
NA's		
555		

patient.drugs.drug.11.route_of_administrations.route_of_administration.2:

intravenous (iv)	NA's
1	589

patient.drugs.drug.11.therapy_ongoing:

no	yes	NA's
41	1	548

patient.drugs.drug.11.therapy_types.therapy_type:

chemotherapy	hormone therapy
37	1
targeted molecular therapy	NA's
5	547

patient.drugs.drug.11.total_dose:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0.665	32.722	117.500	1004.534	1375.000	11299.900	556

patient.drugs.drug.11.total_dose_units:

auc	mg	mg/kg	mg/m2	NA's
2	25	1	6	556

patient.drugs.drug.11.year_of_form_completion:

2009	2010	2012	NA's
27	15	1	547

patient.drugs.drug.12.day_of_form_completion:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1.00	13.00	19.00	18.42	26.00	28.00	559

patient.drugs.drug.12.days_to_drug_therapy_end:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
167.0	612.8	1142.5	1192.5	1559.8	3018.0	562

patient.drugs.drug.12.days_to_drug_therapy_start:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
2	557	1104	1131	1659	2788	561

patient.drugs.drug.12.month_of_form_completion:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1.000	3.000	4.000	5.806	10.000	12.000	559

patient.drugs.drug.12.number_cycles:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1.000	2.750	5.500	5.542	7.250	17.000	566

patient.drugs.drug.12.prescribed_dose:

400	NA's
1	589

patient.drugs.drug.12.prescribed_dose_units:

auc	mg	mg/kg	mg/m2	NA's
1	17	1	3	568

patient.drugs.drug.12.regimen_indication:

adjuvant	progression	recurrence	NA's
2	17	12	559

patient.drugs.drug.12.regimen_number:

5	NA's
1	589

patient.drugs.drug.12.route_of_administrations.route_of_administration:

intra-peritoneal (ip)	intravenous (iv)	oral
1	24	2
NA's		
563		

patient.drugs.drug.12.route_of_administrations.route_of_administration.2:

intravenous (iv)	NA's
1	589

patient.drugs.drug.12.therapy_ongoing:

no	yes	NA's
30	1	559

patient.drugs.drug.12.therapy_types.therapy_type:

chemotherapy	hormone therapy
--------------	-----------------

	27						1
	immunotherapy	targeted	molecular	therapy			2
	1						
	NA's						
	559						

patient.drugs.drug.12.total_dose:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
5.0	204.0	461.5	3071.9	1008.8	39200.0	568

patient.drugs.drug.12.total_dose_units:

auc	mg	mg/kg	mg/m2	NA's
1	17	1	3	568

patient.drugs.drug.12.year_of_form_completion:

2009	2010	2012	NA's
18	12	1	559

patient.drugs.drug.13.day_of_form_completion:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
5.00	10.50	17.00	17.55	24.00	28.00	568

patient.drugs.drug.13.days_to_drug_therapy_end:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
110.0	280.8	613.0	819.2	865.0	2737.0	570

patient.drugs.drug.13.days_to_drug_therapy_start:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
6.0	140.0	539.0	720.3	749.0	2627.0	571

patient.drugs.drug.13.month_of_form_completion:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1.000	3.000	4.000	5.591	7.750	12.000	568

patient.drugs.drug.13.number_cycles:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
3.000	4.000	6.000	6.222	7.000	14.000	572

patient.drugs.drug.13.prescribed_dose:

60	NA's
1	589

patient.drugs.drug.13.prescribed_dose_units:

mg	mg/m2	NA's
15	1	574

patient.drugs.drug.13.regimen_indication:

adjuvant	progression	recurrence	NA's
5	7	10	568

patient.drugs.drug.13.regimen_number:

3 NA's
1 589

patient.drugs.drug.13.route_of_administrations.route_of_administration:

intra-peritoneal (ip)	intravenous (iv)	oral
1	16	1
other (specify below)	NA's	
1	571	

patient.drugs.drug.13.therapy_ongoing:

no yes NA's
21 1 568

patient.drugs.drug.13.therapy_types.therapy_type:

chemotherapy	hormone therapy	NA's
21	1	568

patient.drugs.drug.13.total_dose:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
32.4	108.2	1190.0	2207.4	4342.5	7398.0	574

patient.drugs.drug.13.total_dose_units:

mg	mg/m2	NA's
15	1	574

patient.drugs.drug.13.year_of_form_completion:

2009	2010	2012	NA's
12	9	1	568

patient.drugs.drug.14.day_of_form_completion:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
5.00	12.75	20.00	18.29	24.00	28.00	576

patient.drugs.drug.14.days_to_drug_therapy_end:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
110.0	186.5	509.0	648.4	933.5	2052.0	579

patient.drugs.drug.14.days_to_drug_therapy_start:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
2.0	35.0	509.0	726.2	743.0	3124.0	577

patient.drugs.drug.14.month_of_form_completion:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
2.000	3.250	4.500	5.929	7.750	11.000	576

patient.drugs.drug.14.number_cycles:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
------	---------	--------	------	---------	------	------

1.000	5.750	6.000	6.583	7.250	12.000	578
-------	-------	-------	-------	-------	--------	-----

patient.drugs.drug.14.prescribed_dose_units:

auc	mg	NA's
2	10	578

patient.drugs.drug.14.regimen_indication:

adjuvant	progression	recurrence	NA's
5	5	4	576

patient.drugs.drug.14.route_of_administrations.route_of_administration:

intra-peritoneal (ip)	intravenous (iv)	NA's
3	9	578

patient.drugs.drug.14.route_of_administrations.route_of_administration.2:

intravenous (iv)	NA's
3	587

patient.drugs.drug.14.therapy_ongoing:

no	yes	NA's
12	2	576

patient.drugs.drug.14.therapy_types.therapy_type:

chemotherapy	targeted molecular therapy
13	1
NA's	
576	

patient.drugs.drug.14.total_dose:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
5.00	98.85	1080.00	1788.62	2887.50	6250.00	578

patient.drugs.drug.14.total_dose_units:

auc	mg	NA's
2	10	578

patient.drugs.drug.14.year_of_form_completion:

2009	2010	NA's
8	6	576

patient.drugs.drug.15.day_of_form_completion:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
5.00	12.00	16.00	17.33	24.00	28.00	581

patient.drugs.drug.15.days_to_drug_therapy_end:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
110.0	498.5	714.5	958.4	1355.8	2395.0	582

patient.drugs.drug.15.days_to_drug_therapy_start:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
------	---------	--------	------	---------	------	------

2.0	276.5	557.0	666.0	941.0	1668.0	583
-----	-------	-------	-------	-------	--------	-----

patient.drugs.drug.15.month_of_form_completion:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
2.000	4.000	4.000	5.333	7.000	11.000	581

patient.drugs.drug.15.number_cycles:

3	5	6	8	NA's
1	2	2	1	584

patient.drugs.drug.15.prescribed_dose_units:

mg	NA's
5	585

patient.drugs.drug.15.regimen_indication:

adjuvant	progression	recurrence	NA's
2	4	3	581

patient.drugs.drug.15.route_of_administrations.route_of_administration:

intra-peritoneal (ip)	intravenous (iv)	NA's
1	7	582

patient.drugs.drug.15.route_of_administrations.route_of_administration.2:

intravenous (iv)	NA's
1	589

patient.drugs.drug.15.therapy_ongoing:

no	NA's
9	581

patient.drugs.drug.15.therapy_types.therapy_type:

chemotherapy	targeted	molecular	therapy
8			1
NA's			
581			

patient.drugs.drug.15.total_dose:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
5.00	25.25	740.00	4089.07	5225.00	17378.00	583

patient.drugs.drug.15.total_dose_units:

mg	NA's
5	585

patient.drugs.drug.15.year_of_form_completion:

2009	2010	NA's
5	4	581

patient.drugs.drug.16.day_of_form_completion:

5	16	24	28	NA's
2	1	1	1	585

patient.drugs.drug.16.days_to_drug_therapy_end:

1008	1112	1732	1781	NA's
1	1	1	1	586

patient.drugs.drug.16.days_to_drug_therapy_start:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
875	1112	1564	1580	1590	2758	585

patient.drugs.drug.16.month_of_form_completion:

4	7	8	11	NA's
2	1	1	1	585

patient.drugs.drug.16.number_cycles:

1	7	9	11	NA's
1	1	1	1	586

patient.drugs.drug.16.prescribed_dose_units:

mg	mg/m2	NA's
4	1	585

patient.drugs.drug.16.regimen_indication:

progression	recurrence	NA's
3	2	585

patient.drugs.drug.16.route_of_administrations.route_of_administration:

intravenous (iv)	NA's
4	586

patient.drugs.drug.16.therapy_ongoing:

no	yes	NA's
4	1	585

patient.drugs.drug.16.therapy_types.therapy_type:

chemotherapy	hormone therapy	NA's
4	1	585

patient.drugs.drug.16.total_dose:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
20	60	305	9024	12240	32496	585

patient.drugs.drug.16.total_dose_units:

mg	mg/m2	NA's
4	1	585

patient.drugs.drug.16.year_of_form_completion:

2009	2010	NA's
4	1	585

```

patient.drugs.drug.17.bcr_drug_barcode:
tcga-09-1662-d24247 tcga-24-1467-d26058      NA's
                1                1                588

patient.drugs.drug.17.bcr_drug_uuid:
dc5a3d32-2094-4917-8a07-9bbfa17045f5 faac15d8-07b9-42b6-908d-b0fbc92e4927
                1                1
                NA's
                588

patient.drugs.drug.17.day_of_form_completion:
5 16 NA's
1 1 588

patient.drugs.drug.17.days_to_drug_therapy_end:
141 3059 NA's
1 1 588

patient.drugs.drug.17.days_to_drug_therapy_start:
32 2989 NA's
1 1 588

patient.drugs.drug.17.drug_name:
bevacizumab      gemzar      NA's
                1                1                588

patient.drugs.drug.17.month_of_form_completion:
4 8 NA's
1 1 588

patient.drugs.drug.17.number_cycles:
6 NA's
1 589

patient.drugs.drug.17.prescribed_dose_units:
mg mg/m2 NA's
1 1 588

patient.drugs.drug.17.regimen_indication:
adjuvant progression      NA's
                1                1                588

patient.drugs.drug.17.route_of_administrations.route_of_administration:
intravenous (iv)      NA's
                2                588

patient.drugs.drug.17.therapy_ongoing:
no NA's
2 588

patient.drugs.drug.17.therapy_types.therapy_type:
                chemotherapy targeted molecular therapy

```


1 1 588

patient.drugs.drug.18.regimen_indication:

progression recurrence NA's
1 1 588

patient.drugs.drug.18.route_of_administrations.route_of_administration:

intravenous (iv) NA's
2 588

patient.drugs.drug.18.therapy_ongoing:

no yes NA's
1 1 588

patient.drugs.drug.18.therapy_types.therapy_type:

chemotherapy NA's
2 588

patient.drugs.drug.18.total_dose:

50 60 NA's
1 1 588

patient.drugs.drug.18.total_dose_units:

mg mg/m2 NA's
1 1 588

patient.drugs.drug.18.year_of_form_completion:

2009 NA's
2 588

patient.drugs.drug.19.bcr_drug_barcode:

tcga-09-1662-d24246 tcga-24-1467-d26045 NA's
1 1 588

patient.drugs.drug.19.bcr_drug_uuid:

678644d3-1d86-43d5-828b-5ff5529a97d5 825e30c9-5a77-4cd9-8b02-62cb9cb2000f
1 1
NA's
588

patient.drugs.drug.19.day_of_form_completion:

5 16 NA's
1 1 588

patient.drugs.drug.19.days_to_drug_therapy_end:

15 1909 NA's
1 1 588

patient.drugs.drug.19.days_to_drug_therapy_start:

15 1804 NA's
1 1 588

patient.drugs.drug.19.drug_name:

taxol	NA's	
2	588	

patient.drugs.drug.19.month_of_form_completion:

4	8	NA's	
1	1	588	

patient.drugs.drug.19.number_cycles:

1	6	NA's	
1	1	588	

patient.drugs.drug.19.prescribed_dose_units:

mg	mg/m2	NA's	
1	1	588	

patient.drugs.drug.19.regimen_indication:

adjuvant	recurrence	NA's	
1	1	588	

patient.drugs.drug.19.route_of_administrations.route_of_administration:

intravenous (iv)	NA's	
2	588	

patient.drugs.drug.19.therapy_ongoing:

no	yes	NA's	
1	1	588	

patient.drugs.drug.19.therapy_types.therapy_type:

chemotherapy	NA's	
2	588	

patient.drugs.drug.19.total_dose:

175	1620	NA's	
1	1	588	

patient.drugs.drug.19.total_dose_units:

mg	mg/m2	NA's	
1	1	588	

patient.drugs.drug.19.year_of_form_completion:

2009	NA's	
2	588	

patient.drugs.drug.2.day_of_form_completion:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1.00	8.00	16.00	15.78	24.00	31.00	75

patient.drugs.drug.2.days_to_drug_therapy_end:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
------	---------	--------	------	---------	------	------

8.0	142.5	178.0	362.4	343.5	3494.0	151
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patient.drugs.drug.2.days_to_drug_therapy_start:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
-8.0	24.0	41.0	254.6	265.0	3389.0	109

patient.drugs.drug.2.measure_of_response:

clinical progressive disease	complete response
1	5
partial response	NA's
2	582

patient.drugs.drug.2.month_of_form_completion:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1.000	4.000	6.000	6.802	11.000	12.000	75

patient.drugs.drug.2.number_cycles:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1.000	4.000	6.000	5.535	6.000	18.000	162

patient.drugs.drug.2.prescribed_dose:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
10.0	108.8	330.0	421.8	559.5	1600.0	560

patient.drugs.drug.2.prescribed_dose_units:

auc	mg	mg/day	mg/m2	NA's
12	225	2	111	240

patient.drugs.drug.2.regimen_indication:

adjuvant	other: specify in notes	progression
361	12	62
recurrence	NA's	
71	84	

patient.drugs.drug.2.route_of_administrations.route_of_administration:

intra-peritoneal (ip)	intravenous (iv)	oral
59	400	3
other (specify below)	NA's	
1	127	

patient.drugs.drug.2.route_of_administrations.route_of_administration.2:

intravenous (iv)	NA's
29	561

patient.drugs.drug.2.therapy_ongoing:

no	yes	NA's
457	11	122

patient.drugs.drug.2.therapy_types.therapy_type:

chemotherapy	hormone therapy

	497						8
	immunotherapy	targeted	molecular	therapy			4
	5						
	NA's						
	76						

patient.drugs.drug.2.total_dose:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
2.0	160.0	579.5	1570.5	2096.0	22920.0	248

patient.drugs.drug.2.total_dose_units:

auc	mg	mg/day	mg/m2	NA's
12	225	2	111	240

patient.drugs.drug.2.tx_on_clinical_trial:

no NA's
9 581

patient.drugs.drug.2.year_of_form_completion:

2009	2010	2013	2014	NA's
400	106	4	5	75

patient.drugs.drug.20.bcr_drug_barcode:

tcga-09-1662-d24250	NA's
1	589

patient.drugs.drug.20.bcr_drug_uuid:

31879e3c-bfe5-4c2f-955d-f4e7af0fbdfb	NA's
1	589

patient.drugs.drug.20.day_of_form_completion:

5 NA's
1 589

patient.drugs.drug.20.days_to_drug_therapy_end:

1732 NA's
1 589

patient.drugs.drug.20.days_to_drug_therapy_start:

1590 NA's
1 589

patient.drugs.drug.20.drug_name:

carboplatin	NA's
1	589

patient.drugs.drug.20.month_of_form_completion:

8 NA's
1 589

patient.drugs.drug.20.number_cycles:

9 NA's

1 589

patient.drugs.drug.20.regimen_indication:
recurrence NA's
1 589

patient.drugs.drug.20.route_of_administrations.route_of_administration:
intravenous (iv) NA's
1 589

patient.drugs.drug.20.therapy_ongoing:
no NA's
1 589

patient.drugs.drug.20.therapy_types.therapy_type:
chemotherapy NA's
1 589

patient.drugs.drug.20.total_dose:
5 NA's
1 589

patient.drugs.drug.20.year_of_form_completion:
2009 NA's
1 589

patient.drugs.drug.21.bcr_drug_barcode:
tcga-09-1662-d24256 NA's
1 589

patient.drugs.drug.21.bcr_drug_uuid:
1161bec0-3bbb-49c2-88af-0a7123eb3c6a NA's
1 589

patient.drugs.drug.21.day_of_form_completion:
5 NA's
1 589

patient.drugs.drug.21.days_to_drug_therapy_end:
2650 NA's
1 589

patient.drugs.drug.21.days_to_drug_therapy_start:
2426 NA's
1 589

patient.drugs.drug.21.drug_name:
topotecan NA's
1 589

patient.drugs.drug.21.month_of_form_completion:
8 NA's

1 589

patient.drugs.drug.21.number_cycles:

9 NA's

1 589

patient.drugs.drug.21.prescribed_dose_units:

mg/m2 NA's

1 589

patient.drugs.drug.21.regimen_indication:

progression NA's

1 589

patient.drugs.drug.21.route_of_administrations.route_of_administration:

intravenous (iv) NA's

1 589

patient.drugs.drug.21.therapy_ongoing:

no NA's

1 589

patient.drugs.drug.21.therapy_types.therapy_type:

chemotherapy NA's

1 589

patient.drugs.drug.21.total_dose:

2 NA's

1 589

patient.drugs.drug.21.total_dose_units:

mg/m2 NA's

1 589

patient.drugs.drug.21.year_of_form_completion:

2009 NA's

1 589

patient.drugs.drug.22.bcr_drug_barcode:

tcga-09-1662-d24265 NA's

1 589

patient.drugs.drug.22.bcr_drug_uuid:

de3b0446-d6ae-4fee-ad51-8c322e73ee15

1

NA's

589

patient.drugs.drug.22.day_of_form_completion:

5 NA's

1 589

patient.drugs.drug.22.days_to_drug_therapy_end:

2517 NA's

1 589

patient.drugs.drug.22.days_to_drug_therapy_start:
2503 NA's

1 589

patient.drugs.drug.22.drug_name:
avastin NA's

1 589

patient.drugs.drug.22.month_of_form_completion:
8 NA's

1 589

patient.drugs.drug.22.prescribed_dose_units:
mg/kg NA's

1 589

patient.drugs.drug.22.regimen_indication:
progression NA's

1 589

patient.drugs.drug.22.therapy_ongoing:
no NA's

1 589

patient.drugs.drug.22.therapy_types.therapy_type:
targeted molecular therapy NA's

1 589

patient.drugs.drug.22.total_dose:
10 NA's

1 589

patient.drugs.drug.22.total_dose_units:
mg/kg NA's

1 589

patient.drugs.drug.22.year_of_form_completion:
2009 NA's

1 589

patient.drugs.drug.23.bcr_drug_barcode:
tcga-09-1662-d24255 NA's

1 589

patient.drugs.drug.23.bcr_drug_uuid:
7bf5f35f-f997-4287-83d2-d5da4cbd556a

1

NA's
589

patient.drugs.drug.23.day_of_form_completion:
5 NA's

1 589

patient.drugs.drug.23.days_to_drug_therapy_end:
2399 NA's

1 589

patient.drugs.drug.23.days_to_drug_therapy_start:
2073 NA's

1 589

patient.drugs.drug.23.drug_name:
doxil NA's

1 589

patient.drugs.drug.23.month_of_form_completion:
8 NA's

1 589

patient.drugs.drug.23.number_cycles:
12 NA's

1 589

patient.drugs.drug.23.prescribed_dose_units:
mg/m2 NA's

1 589

patient.drugs.drug.23.regimen_indication:
recurrence NA's

1 589

patient.drugs.drug.23.route_of_administrations.route_of_administration:
intravenous (iv) NA's

1 589

patient.drugs.drug.23.therapy_ongoing:
no NA's

1 589

patient.drugs.drug.23.therapy_types.therapy_type:
chemotherapy NA's

1 589

patient.drugs.drug.23.total_dose:
40 NA's

1 589

patient.drugs.drug.23.total_dose_units:
mg/m2 NA's

1 589

patient.drugs.drug.23.year_of_form_completion:
2009 NA's

1 589

patient.drugs.drug.3.day_of_form_completion:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 1.00 8.00 16.00 15.46 23.00 30.00 221

patient.drugs.drug.3.days_to_drug_therapy_end:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 20.0 142.0 187.0 412.5 509.0 2629.0 269

patient.drugs.drug.3.days_to_drug_therapy_start:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 -8.0 28.0 59.0 314.5 424.0 2585.0 233

patient.drugs.drug.3.measure_of_response:
 complete response partial response NA's
 1 1 588

patient.drugs.drug.3.month_of_form_completion:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 1.000 4.000 6.000 6.707 11.000 12.000 221

patient.drugs.drug.3.number_cycles:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 1.000 4.000 6.000 5.468 6.000 20.000 276

patient.drugs.drug.3.prescribed_dose:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 38.0 135.0 282.5 475.4 600.0 3140.0 566

patient.drugs.drug.3.prescribed_dose_units:
 auc mg mg/kg mg/m2 NA's
 14 177 2 73 324

patient.drugs.drug.3.regimen_indication:
 adjuvant other: specify in notes progression
 228 6 61
 recurrence NA's
 72 223

patient.drugs.drug.3.regimen_indication_notes:
 adjuvant and progression consolidation neoadjuvant
 2 1 1
 persistent NA's
 1 585

patient.drugs.drug.3.regimen_number:
 2 NA's
 1 589

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patient.drugs.drug.3.route_of_administrations.route_of_administration:
intra-peritoneal (ip)      intravenous (iv)      oral
                        46                          279                    5
other (specify below)      NA's
                        1                          259

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patient.drugs.drug.3.route_of_administrations.route_of_administration.2:
intravenous (iv)          NA's
                        21                      569

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patient.drugs.drug.3.therapy_ongoing:
no  yes NA's
335  9  246

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```

patient.drugs.drug.3.therapy_types.therapy_type:
      chemotherapy          hormone therapy
                344                          11
immunotherapy targeted molecular therapy
                2                          11
      NA's
                222

```

```

patient.drugs.drug.3.total_dose:
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.    NA's
  0.0    91.0   445.5 1629.9 1965.0 19320.0   332

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```

patient.drugs.drug.3.total_dose_units:
  auc    mg mg/kg mg/m2  NA's
  14   177    2    73   324

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patient.drugs.drug.3.tx_on_clinical_trial:
no NA's
  2  588

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patient.drugs.drug.3.year_of_form_completion:
2009 2010 2011 2014 NA's
 283   83    1    2  221

```

```

patient.drugs.drug.4.day_of_form_completion:
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.    NA's
  1.00    8.00   15.00   14.67  20.00   30.00   330

```

```

patient.drugs.drug.4.days_to_drug_therapy_end:
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.    NA's
  15.0   153.0   355.0   574.9  846.0  3101.0   366

```

```

patient.drugs.drug.4.days_to_drug_therapy_start:
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.    NA's
  0.0    31.0   251.0   470.5  744.0  3073.0   345

```

```

patient.drugs.drug.4.month_of_form_completion:
  Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
  1.000  3.000  6.000  6.896 11.000 12.000  330

patient.drugs.drug.4.number_cycles:
  Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
  1.000  3.000  6.000  5.315  6.000 14.000  374

patient.drugs.drug.4.prescribed_dose:
  Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
  40     137     296     514     546    2704    573

patient.drugs.drug.4.prescribed_dose_units:
  auc      mg mg/day mg/m2  NA's
  9      138      1     40    402

patient.drugs.drug.4.regimen_indication:
  adjuvant other: specify in notes progression
  120                                           9
  recurrence NA's                               64
  66                                           331

patient.drugs.drug.4.regimen_number:
  2 NA's
  1 589

patient.drugs.drug.4.route_of_administrations.route_of_administration:
intra-peritoneal (ip) intravenous (iv) oral
  26                   203                7
  NA's
  354

patient.drugs.drug.4.route_of_administrations.route_of_administration.2:
intravenous (iv) NA's
  17                573

patient.drugs.drug.4.therapy_ongoing:
  no yes NA's
  240 9 341

patient.drugs.drug.4.therapy_types.therapy_type:
  chemotherapy hormone therapy
  244                7
  immunotherapy targeted molecular therapy
  3                5
  NA's
  331

patient.drugs.drug.4.total_dose:

```

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
2.0	116.5	700.0	1969.7	2180.0	28756.0	407

patient.drugs.drug.4.total_dose_units:

auc	mg	mg/day	mg/m2	NA's
9	138	1	40	402

patient.drugs.drug.4.tx_on_clinical_trial:

yes	NA's
1	589

patient.drugs.drug.4.year_of_form_completion:

2009	2010	2011	2014	NA's
187	71	1	1	330

patient.drugs.drug.5.day_of_form_completion:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1.00	8.00	14.00	14.87	22.75	30.00	396

patient.drugs.drug.5.days_to_drug_therapy_end:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
20.0	180.5	618.5	730.5	1080.8	2697.0	420

patient.drugs.drug.5.days_to_drug_therapy_start:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0.00	51.25	460.50	620.55	972.50	2684.00	408

patient.drugs.drug.5.measure_of_response:

complete response	NA's
1	589

patient.drugs.drug.5.month_of_form_completion:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1.000	3.000	6.000	6.892	11.000	12.000	396

patient.drugs.drug.5.number_cycles:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1.000	3.000	6.000	5.571	7.000	29.000	428

patient.drugs.drug.5.prescribed_dose_units:

auc	mg	mg/m2	NA's
8	110	29	443

patient.drugs.drug.5.regimen_indication:

adjuvant	other: specify in notes	progression
71	6	63
recurrence	NA's	
53	397	

```

patient.drugs.drug.5.regimen_indication_notes:
    persistence persitant disease; given with gemzar
    1 1
    progression and recurrence switched from tamozifen
    1 1
    NA's
    586

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```

patient.drugs.drug.5.regimen_number:
    2 3 NA's
    2 2 586

```

```

patient.drugs.drug.5.route_of_administrations.route_of_administration:
intra-peritoneal (ip) intravenous (iv) oral
    13 156 5
    NA's
    416

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patient.drugs.drug.5.route_of_administrations.route_of_administration.2:
intravenous (iv) NA's
    7 583

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```

patient.drugs.drug.5.therapy_ongoing:
    no yes NA's
    189 1 400

```

```

patient.drugs.drug.5.therapy_types.therapy_type:
    chemotherapy hormone therapy
    185 3
    targeted molecular therapy NA's
    5 397

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```

patient.drugs.drug.5.total_dose:
    Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
    4 142 575 1997 1931 24798 450

```

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patient.drugs.drug.5.total_dose_units:
    auc mg mg/m2 NA's
    8 110 29 443

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patient.drugs.drug.5.tx_on_clinical_trial:
    yes NA's
    1 589

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patient.drugs.drug.5.year_of_form_completion:
    Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
    2009 2009 2009 2009 2010 2014 396

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```

patient.drugs.drug.6.day_of_form_completion:

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Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1.00	8.00	15.00	15.31	23.50	30.00	443

patient.drugs.drug.6.days_to_drug_therapy_end:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
11.0	230.5	743.0	860.0	1175.2	3165.0	458

patient.drugs.drug.6.days_to_drug_therapy_start:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
2.0	145.8	584.5	737.3	1086.5	3079.0	450

patient.drugs.drug.6.measure_of_response:
clinical progressive disease

	NA's
1	589

patient.drugs.drug.6.month_of_form_completion:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1.000	3.000	5.000	6.796	11.000	12.000	443

patient.drugs.drug.6.number_cycles:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1.000	3.000	6.000	5.543	6.000	19.000	463

patient.drugs.drug.6.prescribed_dose:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
3.0	113.5	242.0	336.9	543.0	800.0	583

patient.drugs.drug.6.prescribed_dose_units:

auc	mg	mg/kg	mg/m2	NA's
4	90	3	20	473

patient.drugs.drug.6.regimen_indication:

adjuvant	other: specify in notes	progression
42	6	47
recurrence	NA's	
51	444	

patient.drugs.drug.6.regimen_number:

	NA's
2 4	587
2 1	

patient.drugs.drug.6.route_of_administrations.route_of_administration:

intra-peritoneal (ip)	intravenous (iv)	oral
6	119	6
other (specify below)	NA's	
1	458	

patient.drugs.drug.6.route_of_administrations.route_of_administration.2:

intravenous (iv)	NA's
4	586

```

patient.drugs.drug.6.therapy_ongoing:
  no  yes  NA's
142   3  445

patient.drugs.drug.6.therapy_types.therapy_type:
      chemotherapy                immunotherapy
            139                        2
targeted molecular therapy                NA's
            5                        444

patient.drugs.drug.6.total_dose:
  Min. 1st Qu.  Median    Mean 3rd Qu.  Max.  NA's
  2.0   131.5   675.0  1915.5  2255.5 18000.0  475

patient.drugs.drug.6.total_dose_units:
  auc    mg mg/kg mg/m2  NA's
  4     90    3    20   473

patient.drugs.drug.6.tx_on_clinical_trial:
  no NA's
  1  589

patient.drugs.drug.6.year_of_form_completion:
  Min. 1st Qu.  Median    Mean 3rd Qu.  Max.  NA's
  2009   2009   2009   2009   2010   2014   443

patient.drugs.drug.7.day_of_form_completion:
  Min. 1st Qu.  Median    Mean 3rd Qu.  Max.  NA's
  1.00   8.00   15.00   15.13  22.75   30.00  472

patient.drugs.drug.7.days_to_drug_therapy_end:
  Min. 1st Qu.  Median    Mean 3rd Qu.  Max.  NA's
  43.0   213.0   738.0   823.8  1140.5  2737.0  491

patient.drugs.drug.7.days_to_drug_therapy_start:
  Min. 1st Qu.  Median    Mean 3rd Qu.  Max.  NA's
  2.0    99.0   615.0   738.7  1017.0  3124.0  481

patient.drugs.drug.7.measure_of_response:
  stable disease                NA's
            1                    589

patient.drugs.drug.7.month_of_form_completion:
  Min. 1st Qu.  Median    Mean 3rd Qu.  Max.  NA's
  1.000   3.000   5.000   6.585  11.000  12.000  472

patient.drugs.drug.7.number_cycles:
  Min. 1st Qu.  Median    Mean 3rd Qu.  Max.  NA's

```

1.000 4.000 6.000 5.711 7.000 20.000 493

patient.drugs.drug.7.prescribed_dose:

2.5 267 454 800 NA's
1 1 1 1 586

patient.drugs.drug.7.prescribed_dose_units:

auc mg mg/m2 NA's
3 70 13 504

patient.drugs.drug.7.regimen_indication:

adjuvant	other: specify in notes	progression
31	6	44
recurrence	NA's	
36	473	

patient.drugs.drug.7.regimen_number:

3 5 NA's
1 1 588

patient.drugs.drug.7.route_of_administrations.route_of_administration:

intra-peritoneal (ip)	intravenous (iv)	oral
8	89	5
NA's		
488		

patient.drugs.drug.7.route_of_administrations.route_of_administration.2:

intravenous (iv)	NA's
3	587

patient.drugs.drug.7.therapy_ongoing:

no yes NA's
114 2 474

patient.drugs.drug.7.therapy_types.therapy_type:

chemotherapy	hormone therapy
113	2
immunotherapy targeted molecular therapy	
1	2
NA's	
472	

patient.drugs.drug.7.total_dose:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
2	130	820	1799	2000	20684	505

patient.drugs.drug.7.total_dose_units:

auc mg mg/m2 NA's
3 70 13 504

patient.drugs.drug.7.tx_on_clinical_trial:

no NA's
1 589

patient.drugs.drug.7.year_of_form_completion:
2009 2010 2011 2012 NA's
79 36 1 2 472

patient.drugs.drug.8.day_of_form_completion:
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
1.00 8.00 16.00 15.39 23.00 30.00 501

patient.drugs.drug.8.days_to_drug_therapy_end:
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
11.0 390.8 836.0 973.4 1381.0 3165.0 512

patient.drugs.drug.8.days_to_drug_therapy_start:
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
1.0 277.8 703.5 880.6 1314.0 3079.0 506

patient.drugs.drug.8.month_of_form_completion:
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
1.000 3.000 5.000 6.697 11.000 12.000 501

patient.drugs.drug.8.number_cycles:
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
1.00 3.00 5.50 5.46 7.00 17.00 516

patient.drugs.drug.8.prescribed_dose:
675 NA's
1 589

patient.drugs.drug.8.prescribed_dose_units:
auc mg mg/day mg/m2 NA's
5 49 1 9 526

patient.drugs.drug.8.regimen_indication:
adjuvant other: specify in notes progression
18 3 43
recurrence NA's
25 501

patient.drugs.drug.8.regimen_indication_notes:
persistent progression and recurrence
1 1
NA's
588

patient.drugs.drug.8.regimen_number:
6 NA's

1 589

```

patient.drugs.drug.8.route_of_administrations.route_of_administration:
intra-peritoneal (ip)      intravenous (iv)      oral
                        5                71                3
                        NA's
                        511

```

```

patient.drugs.drug.8.route_of_administrations.route_of_administration.2:
intravenous (iv)      NA's
                        4                586

```

```

patient.drugs.drug.8.therapy_ongoing:
no  yes NA's
85  2  503

```

```

patient.drugs.drug.8.therapy_types.therapy_type:
                        chemotherapy      hormone therapy
                        84                3
immunotherapy targeted molecular therapy
                        1                1
                        NA's
                        501

```

```

patient.drugs.drug.8.total_dose:
Min. 1st Qu.  Median    Mean 3rd Qu.    Max.    NA's
  2.5   50.0   279.0   976.8  810.0 15000.0   525

```

```

patient.drugs.drug.8.total_dose_units:
auc      mg mg/day  mg/m2    NA's
  5       49     1     9     526

```

```

patient.drugs.drug.8.year_of_form_completion:
2009 2010 2012 NA's
  61   27   1   501

```

```

patient.drugs.drug.9.day_of_form_completion:
Min. 1st Qu.  Median    Mean 3rd Qu.    Max.    NA's
  1.00  10.00   16.00   16.08  23.00   30.00   524

```

```

patient.drugs.drug.9.days_to_drug_therapy_end:
Min. 1st Qu.  Median    Mean 3rd Qu.    Max.    NA's
  79   570   832   1021  1414   3154   532

```

```

patient.drugs.drug.9.days_to_drug_therapy_start:
Min. 1st Qu.  Median    Mean 3rd Qu.    Max.    NA's
  1.0   477.2   778.5   994.1 1464.5  3808.0   526

```

```

patient.drugs.drug.9.month_of_form_completion:

```

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1.000	4.000	5.000	6.667	11.000	12.000	524

patient.drugs.drug.9.number_cycles:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1.000	4.000	6.000	6.047	6.000	28.000	537

patient.drugs.drug.9.prescribed_dose:

266	NA's
1	589

patient.drugs.drug.9.regimen_indication_notes:

persistant	1
persistant disease; given 1x with cisplatin	1
persistent	1
NA's	587

patient.drugs.drug.9.regimen_number:

4	NA's
1	589

patient.drugs.drug.9.route_of_administrations.route_of_administration:

intra-peritoneal (ip)	intravenous (iv)	oral
5	50	1
NA's		
534		

patient.drugs.drug.9.route_of_administrations.route_of_administration.2:

intravenous (iv)	NA's
4	586

patient.drugs.drug.9.therapy_ongoing:

no	yes	NA's
63	1	526

patient.drugs.drug.9.therapy_types.therapy_type:

chemotherapy	hormone therapy
58	4
immunotherapy	targeted molecular therapy
1	3
NA's	
524	

patient.drugs.drug.9.total_dose:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1	120	560	2141	1848	20400	537

patient.drugs.drug.9.year_of_form_completion:

2009	2010	2012	NA's
45	20	1	524

patient.drugs.drug.day_of_form_completion:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1.00	8.50	16.00	15.78	24.00	31.00	67

patient.drugs.drug.days_to_drug_therapy_end:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
8.0	142.0	173.0	371.8	325.0	3273.0	137

patient.drugs.drug.days_to_drug_therapy_start:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
-8.0	26.0	42.0	257.2	245.0	3168.0	99

patient.drugs.drug.measure_of_response:

clinical progressive disease	complete response
1	6
partial response	NA's
1	582

patient.drugs.drug.month_of_form_completion:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1.000	4.000	6.000	6.795	11.000	12.000	67

patient.drugs.drug.number_cycles:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1.000	5.000	6.000	5.608	6.000	20.000	149

patient.drugs.drug.prescribed_dose:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
15.0	180.0	309.0	401.1	564.0	1120.0	561

patient.drugs.drug.regimen_indication:

adjuvant other: specify in notes	progression
374	11
recurrence	NA's
67	76
	62

patient.drugs.drug.regimen_number:

2	NA's
1	589

patient.drugs.drug.route_of_administrations.route_of_administration:

intra-peritoneal (ip)	intravenous (iv)	oral
63	405	10
other (specify below)	NA's	
1	111	

patient.drugs.drug.route_of_administrations.route_of_administration.2:	
intravenous (iv)	NA's
37	553

patient.drugs.drug.therapy_ongoing:		
no	yes	NA's
463	11	116

patient.drugs.drug.therapy_types.therapy_type:			
chemotherapy	hormone therapy		
502	8		
immunotherapy	targeted molecular therapy		
1	11		
NA's			
68			

patient.drugs.drug.total_dose:							NA's
Min.	1st Qu.	Median	Mean	3rd Qu.	Max.		
2.5	75.0	607.5	1682.4	2007.8	30000.0		252

patient.drugs.drug.tx_on_clinical_trial:		
no	yes	NA's
8	1	581

patient.drugs.drug.year_of_form_completion:							NA's
Min.	1st Qu.	Median	Mean	3rd Qu.	Max.		
2009	2009	2009	2009	2009	2014		67

patient.eastern_cancer_oncology_group:							NA's
Min.	1st Qu.	Median	Mean	3rd Qu.	Max.		
0.0000	0.0000	0.0000	0.5484	1.0000	4.0000		466

patient.ethnicity:			NA's
hispanic or latino	not hispanic or latino		
11	338		241

patient.follow_ups.follow_up.2.day_of_form_completion:							NA's
Min.	1st Qu.	Median	Mean	3rd Qu.	Max.		
10.00	30.00	30.00	29.17	31.00	31.00		507

patient.follow_ups.follow_up.2.days_to_death:							NA's
Min.	1st Qu.	Median	Mean	3rd Qu.	Max.		
317	1145	1552	1703	2012	3819		545

patient.follow_ups.follow_up.2.days_to_last_followup:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 442 2192 2541 2660 3475 4665 552

patient.follow_ups.follow_up.2.eastern_cancer_oncology_group:
 1 NA's
 2 588

patient.follow_ups.follow_up.2.followup_case_report_form_submission_reason:
 additional new tumor event scheduled follow-up submission
 2 1
 NA's
 587

patient.follow_ups.follow_up.2.followup_treatment_success:
 complete remission/response progressive disease
 16 46
 stable disease NA's
 9 519

patient.follow_ups.follow_up.2.lost_follow_up:
 no NA's
 3 587

patient.follow_ups.follow_up.2.month_of_form_completion:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 1.000 7.000 7.000 6.843 7.000 8.000 507

patient.follow_ups.follow_up.2.new_tumor_events.new_tumor_event.2.additional_phar
 yes NA's
 3 587

patient.follow_ups.follow_up.2.new_tumor_events.new_tumor_event.2.additional_rad
 no NA's
 3 587

patient.follow_ups.follow_up.2.new_tumor_events.new_tumor_event.2.days_to_new_tu
 616 NA's
 1 589

patient.follow_ups.follow_up.2.new_tumor_events.new_tumor_event.2.days_to_new_tu
 286 697 NA's
 1 1 588

patient.follow_ups.follow_up.2.new_tumor_events.new_tumor_event.2.new_neoplasm_e
 metastatic NA's
 1 589

patient.follow_ups.follow_up.2.new_tumor_events.new_tumor_event.2.new_tumor_eve
 yes NA's
 1 589

patient.follow_ups.follow_up.2.new_tumor_events.new_tumor_event.2.progression_de
 imaging study NA's
 1 589

patient.follow_ups.follow_up.2.new_tumor_events.new_tumor_event.additional_pharm
 yes NA's
 7 583

patient.follow_ups.follow_up.2.new_tumor_events.new_tumor_event.additional_radia
 no NA's
 7 583

patient.follow_ups.follow_up.2.new_tumor_events.new_tumor_event.days_to_new_tumo
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 226.0 378.0 578.0 720.8 921.5 2997.0 523

patient.follow_ups.follow_up.2.new_tumor_events.new_tumor_event.new_neoplasm_eve
 progression of disease recurrence NA's
 3 4 583

patient.follow_ups.follow_up.2.new_tumor_events.new_tumor_event.progression_dete
 imaging study molecular marker(s) NA's
 3 1 586

patient.follow_ups.follow_up.2.new_tumor_events.new_tumor_event_after_initial_tr
 no yes NA's
 12 62 516

patient.follow_ups.follow_up.2.performance_status_scale_timing:
 post-adjvant therapy NA's
 2 588

patient.follow_ups.follow_up.2.person_neoplasm_cancer_status:
 tumor free with tumor NA's
 18 59 513

patient.follow_ups.follow_up.2.postoperative_rx_tx:
 no yes NA's
 1 8 581

patient.follow_ups.follow_up.2.primary_therapy_outcome_success:
 complete remission/response progressive disease
 4 3
 stable disease NA's
 1 582

patient.follow_ups.follow_up.2.radiation_therapy:
 no NA's
 9 581

patient.follow_ups.follow_up.2.vital_status:

alive dead NA's
38 45 507

patient.follow_ups.follow_up.2.year_of_form_completion:
2011 2012 2014 2015 NA's
5 1 2 75 507

patient.follow_ups.follow_up.3.bcr_followup_barcode:
tcga-29-a5nz-f59527 tcga-42-2582-f34655 tcga-42-2589-f39385 tcga-42-2591-f41420
1 1 1 1
NA's
586

patient.follow_ups.follow_up.3.bcr_followup_uuid:
01f5c3af-b966-47cb-80a1-cc1b65e03cb8 45f7924c-d860-471c-8589-a438ddf08bd9
1 1
70638d89-1fbf-4a94-a6fc-242ed16a6937 b059fe0d-3a99-4fb1-afeb-7e44ca131810
1 1
NA's
586

patient.follow_ups.follow_up.3.day_of_form_completion:
14 15 18 NA's
1 1 2 586

patient.follow_ups.follow_up.3.days_to_death:
1088 1447 NA's
1 1 588

patient.follow_ups.follow_up.3.days_to_last_followup:
1240 1278 NA's
1 1 588

patient.follow_ups.follow_up.3.followup_case_report_form_submission_reason:
additional new tumor event scheduled follow-up submission
2 2
NA's
586

patient.follow_ups.follow_up.3.followup_treatment_success:
complete remission/response partial remission/response
1 1
progressive disease NA's
2 586

patient.follow_ups.follow_up.3.lost_follow_up:
no NA's
4 586

patient.follow_ups.follow_up.3.month_of_form_completion:
3 5 NA's
3 1 586

patient.follow_ups.follow_up.3.new_tumor_events.new_tumor_event.2.additional_pharm
yes NA's
3 587

patient.follow_ups.follow_up.3.new_tumor_events.new_tumor_event.2.additional_rad
no yes NA's
2 1 587

patient.follow_ups.follow_up.3.new_tumor_events.new_tumor_event.2.days_to_new_tu
364 396 1073 NA's
1 1 1 587

patient.follow_ups.follow_up.3.new_tumor_events.new_tumor_event.2.new_neoplasm_e
recurrence NA's
1 589

patient.follow_ups.follow_up.3.new_tumor_events.new_tumor_event.2.progression_de
imaging study NA's
2 588

patient.follow_ups.follow_up.3.new_tumor_events.new_tumor_event.3.additional_pharm
yes NA's
1 589

patient.follow_ups.follow_up.3.new_tumor_events.new_tumor_event.3.additional_rad
no NA's
1 589

patient.follow_ups.follow_up.3.new_tumor_events.new_tumor_event.3.days_to_new_tu
1028 NA's
1 589

patient.follow_ups.follow_up.3.new_tumor_events.new_tumor_event.3.progression_de
imaging study NA's
1 589

patient.follow_ups.follow_up.3.new_tumor_events.new_tumor_event.additional_pharm
yes NA's
3 587

patient.follow_ups.follow_up.3.new_tumor_events.new_tumor_event.additional_radia
no yes NA's
2 1 587

patient.follow_ups.follow_up.3.new_tumor_events.new_tumor_event.days_to_new_tumo
396 1028 1073 NA's
1 1 1 587

patient.follow_ups.follow_up.3.new_tumor_events.new_tumor_event.new_neoplasm_eve
progression of disease recurrence NA's
2 1 587

```

patient.follow_ups.follow_up.3.new_tumor_events.new_tumor_event.progression_detected
imaging study          NA's
                2          588

```

```

patient.follow_ups.follow_up.3.new_tumor_events.new_tumor_event_after_initial_treatment
no  yes NA's
1   3  586

```

```

patient.follow_ups.follow_up.3.person_neoplasm_cancer_status:
tumor free with tumor          NA's
                1                3          586

```

```

patient.follow_ups.follow_up.3.postoperative_rx_tx:
yes NA's
4  586

```

```

patient.follow_ups.follow_up.3.primary_therapy_outcome_success:
complete remission/response          stable disease
                3                          1
                NA's
                586

```

```

patient.follow_ups.follow_up.3.radiation_therapy:
no NA's
4  586

```

```

patient.follow_ups.follow_up.3.vital_status:
alive  dead  NA's
2      2    586

```

```

patient.follow_ups.follow_up.3.year_of_form_completion:
2013 2014 NA's
3     1  586

```

```

patient.follow_ups.follow_up.4.bcr_followup_barcode:
tcga-42-2582-f34657 tcga-42-2589-f41366          NA's
                1                1          588

```

```

patient.follow_ups.follow_up.4.bcr_followup_uuid:
099527cd-4d0d-4c42-a39c-5a80120abfa4 0bd8d506-45ac-46fd-b54c-7fec74ee4880
                1                          1
                NA's
                588

```

```

patient.follow_ups.follow_up.4.day_of_form_completion:
15   18 NA's
1    1  588

```

```

patient.follow_ups.follow_up.4.days_to_death:
1447 NA's
1   589

```

patient.follow_ups.follow_up.4.days_to_last_followup:
 1278 NA's
 1 589

patient.follow_ups.follow_up.4.followup_case_report_form_submission_reason:
 additional new tumor event NA's
 2 588

patient.follow_ups.follow_up.4.followup_treatment_success:
 progressive disease NA's
 2 588

patient.follow_ups.follow_up.4.lost_follow_up:
 no NA's
 2 588

patient.follow_ups.follow_up.4.month_of_form_completion:
 3 NA's
 2 588

patient.follow_ups.follow_up.4.new_tumor_events.new_tumor_event.2.additional_pharm
 yes NA's
 1 589

patient.follow_ups.follow_up.4.new_tumor_events.new_tumor_event.2.additional_rad
 yes NA's
 1 589

patient.follow_ups.follow_up.4.new_tumor_events.new_tumor_event.2.days_to_new_tu
 1179 NA's
 1 589

patient.follow_ups.follow_up.4.new_tumor_events.new_tumor_event.2.progression_de
 imaging study NA's
 1 589

patient.follow_ups.follow_up.4.new_tumor_events.new_tumor_event.additional_pharm
 yes NA's
 2 588

patient.follow_ups.follow_up.4.new_tumor_events.new_tumor_event.additional_radia
 yes NA's
 2 588

patient.follow_ups.follow_up.4.new_tumor_events.new_tumor_event.days_to_new_tumo
 1179 1274 NA's
 1 1 588

patient.follow_ups.follow_up.4.new_tumor_events.new_tumor_event.new_neoplasm_eve
 progression of disease NA's
 1 589

patient.follow_ups.follow_up.4.new_tumor_events.new_tumor_event.progression_detected
 imaging study NA's
 1 589

patient.follow_ups.follow_up.4.new_tumor_events.new_tumor_event_after_initial_treatment
 yes NA's
 2 588

patient.follow_ups.follow_up.4.person_neoplasm_cancer_status:
 with tumor NA's
 2 588

patient.follow_ups.follow_up.4.postoperative_rx_tx:
 yes NA's
 2 588

patient.follow_ups.follow_up.4.primary_therapy_outcome_success:
 complete remission/response stable disease
 1 1
 NA's
 588

patient.follow_ups.follow_up.4.radiation_therapy:
 no NA's
 2 588

patient.follow_ups.follow_up.4.vital_status:
 alive dead NA's
 1 1 588

patient.follow_ups.follow_up.4.year_of_form_completion:
 2013 NA's
 2 588

patient.follow_ups.follow_up.day_of_form_completion:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 1.00 2.00 9.00 12.71 24.00 31.00 17

patient.follow_ups.follow_up.days_to_death:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 8.0 538.5 1024.0 1072.7 1473.2 4624.0 298

patient.follow_ups.follow_up.days_to_last_followup:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 8.0 284.5 817.5 961.7 1381.8 5481.0 82

patient.follow_ups.follow_up.eastern_cancer_oncology_group:
 0 1 2 3 NA's
 73 35 7 3 472

```

patient.follow_ups.follow_up.followup_case_report_form_submission_reason:
  additional new tumor event scheduled follow-up submission
                                1                                12
                                NA's
                                577

```

```

patient.follow_ups.follow_up.followup_treatment_success:
complete remission/response      progressive disease
                                4                                2
                                stable disease                    NA's
                                1                                583

```

```

patient.follow_ups.follow_up.karnofsky_performance_score:
  40  60  80  100 NA's
  2   20  49   7  512

```

```

patient.follow_ups.follow_up.lost_follow_up:
  no  yes NA's
  10  2  578

```

```

patient.follow_ups.follow_up.month_of_form_completion:
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.    NA's
  1.000  3.000  5.000  5.056  6.000  12.000    17

```

```

patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.2.additional_pharm
yes NA's
  91  499

```

```

patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.2.additional_radia
no  yes NA's
  80  13  497

```

```

patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.2.days_to_new_tumo
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.    NA's
  22.0  356.0  624.0  777.1  985.5  3378.0    495

```

```

patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.2.days_to_new_tumo
  879 NA's
  1  589

```

```

patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.2.new_neoplasm_eve
both locoregional and distant metastasis
                                3
                                locoregional disease
                                54
                                metastatic
                                38
                                NA's
                                495

```

```

patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.2.new_tumor_event_

```

```

yes NA's
94 496

patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.3.additional_pharm
yes NA's
1 589

patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.3.additional_radiat
yes NA's
1 589

patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.3.days_to_new_tumor
670 NA's
1 589

patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.3.new_neoplasm_eve
metastatic NA's
1 589

patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.3.new_tumor_event
yes NA's
1 589

patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.3.progression_dete
imaging study NA's
1 589

patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.additional_pharmac
yes NA's
316 274

patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.additional_radiati
no yes NA's
290 28 272

patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.days_to_new_tumor
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
119.0 155.0 206.0 325.1 230.0 1181.0 583

patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.days_to_new_tumor
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
27.0 293.8 441.0 530.4 646.5 3378.0 274

patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.new_neoplasm_event
locoregional disease metastatic progression of disease
6 1 34
recurrence NA's
282 267

patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.new_tumor_event_ad
yes NA's

```


patient.icd_10:

c48.0	c48.1	c48.2	c56.9	NA's
1	4	2	573	10

patient.icd_o_3_histology:

8440/3	8441/3	8460/3	NA's
1	575	4	10

patient.icd_o_3_site:

c48.0	c48.1	c48.2	c56.9	NA's
1	4	2	573	10

patient.informed_consent_verified:

yes
590

patient.jewish_origin:

ashkenazi	NA's
24	566

patient.karnofsky_performance_score:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
40.00	60.00	80.00	75.83	80.00	100.00	506

patient.lymphatic_invasion:

no	yes	NA's
84	138	368

patient.month_of_form_completion:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1.000	3.000	5.000	5.059	6.000	12.000	10

patient.new_tumor_events.new_tumor_event.2.additional_pharmaceutical_therapy:

yes	NA's
4	586

patient.new_tumor_events.new_tumor_event.2.additional_radiation_therapy:

no	NA's
3	587

patient.new_tumor_events.new_tumor_event.2.days_to_new_tumor_event_after_initial

145	245	358	794	NA's
1	1	1	1	586

patient.new_tumor_events.new_tumor_event.2.new_neoplasm_event_type:

recurrence	NA's
1	589

patient.new_tumor_events.new_tumor_event.2.progression_determined_by:

imaging study		NA's		
	3		587	

patient.new_tumor_events.new_tumor_event.additional_pharmaceutical_therapy:

yes	NA's			
4		586		

patient.new_tumor_events.new_tumor_event.additional_radiation_therapy:

no	NA's			
3		587		

patient.new_tumor_events.new_tumor_event.days_to_new_tumor_event_after_initial_t

145	245	704	794	NA's
1	1	1	1	586

patient.new_tumor_events.new_tumor_event.new_neoplasm_event_type:

progression of disease		recurrence		NA's
	2		2	586

patient.new_tumor_events.new_tumor_event.progression_determined_by:

imaging study		NA's		
	3		587	

patient.new_tumor_events.new_tumor_event_after_initial_treatment:

no	yes	NA's		
5	3		582	

patient.performance_status_scale_timing:

	other post-adjuvant therapy	pre-adjuvant therapy		
	22	47		93
pre-operative		NA's		
	32		396	

patient.person_neoplasm_cancer_status:

tumor free	with tumor	NA's		
144	365		81	

patient.postoperative_rx_tx:

no	yes	NA's		
1	9		580	

patient.primary_therapy_outcome_success:

complete remission/response	partial remission/response			
	7		1	
progressive disease		NA's		
	1		581	

patient.prior_dx:

	no			
		8		

yes, history of synchronous/bilateral malignancy

3
NA's
579

patient.radiation_therapy:

no NA's
9 581

patient.radiations.radiation.2.anatomic_treatment_site:

local recurrence primary tumor field NA's
1 1 588

patient.radiations.radiation.2.bcr_radiation_barcode:

tcga-36-1577-r27882 tcga-61-2101-r28435 NA's
1 1 588

patient.radiations.radiation.2.bcr_radiation_uuid:

126c8f98-b503-4cff-ae77-232b4ee73e54 2e12c990-cd4b-46fc-a84c-c6f3478884e1
1 1
NA's
588

patient.radiations.radiation.2.day_of_form_completion:

7 18 NA's
1 1 588

patient.radiations.radiation.2.days_to_radiation_therapy_end:

156 1327 NA's
1 1 588

patient.radiations.radiation.2.days_to_radiation_therapy_start:

111 1309 NA's
1 1 588

patient.radiations.radiation.2.month_of_form_completion:

8 12 NA's
1 1 588

patient.radiations.radiation.2.numfractions:

2 22 NA's
1 1 588

patient.radiations.radiation.2.radiation_dosage:

600 2250 NA's
1 1 588

patient.radiations.radiation.2.radiation_treatment_ongoing:

no NA's
2 588

patient.radiations.radiation.2.radiation_type:

```

external beam          NA's
      2                588

patient.radiations.radiation.2.regimen_indication:
  adjuvant palliative    NA's
      1          1      588

patient.radiations.radiation.2.units:
  cgy NA's
      2  588

patient.radiations.radiation.2.year_of_form_completion:
  2009 2010 NA's
      1   1  588

patient.radiations.radiation.anatomic_treatment_site:
  distant recurrence    local recurrence primary tumor field    NA's
      13                9                7                    561

patient.radiations.radiation.day_of_form_completion:
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.    NA's
  3.00   4.00   9.00  10.36  13.00   29.00   557

patient.radiations.radiation.days_to_radiation_therapy_end:
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.    NA's
  156.0  575.2  1072.0  1052.8  1353.5  2331.0   570

patient.radiations.radiation.days_to_radiation_therapy_start:
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.    NA's
  111.0  545.2  987.5  1007.4  1313.8  2270.0   560

patient.radiations.radiation.month_of_form_completion:
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.    NA's
  2.000  3.000  6.000  6.182  8.000  12.000   557

patient.radiations.radiation.numfractions:
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.    NA's
  2.00   9.25  12.50  327.00  28.25 5000.00   574

patient.radiations.radiation.radiation_dosage:
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.    NA's
  20   2030   3500   3779   4750  14290   571

patient.radiations.radiation.radiation_treatment_ongoing:
  no NA's
  30  560

patient.radiations.radiation.radiation_type:
external beam radioisotopes    NA's
      26          1      563

```

patient.radiations.radiation.regimen_indication_notes:
one time intraperitoneal progression, recurrence progression/pallative
1 2 1
NA's
586

patient.radiations.radiation.units:
cgy NA's
19 571

patient.radiations.radiation.year_of_form_completion:
2009 2010 NA's
27 6 557

patient.residual_tumor:
r0 r1 r2 rx NA's
15 31 5 3 536

patient.surgeries.surgery.procedure_type:
surgical resection NA's
10 580

patient.tissue_prospective_collection_indicator:
no yes NA's
11 6 573

patient.tissue_retrospective_collection_indicator:
no yes NA's
6 11 573

patient.tumor_residual_disease:
>20 mm 1-10 mm 11-20 mm
105 254 36
no macroscopic disease NA's
118 77

patient.tumor_tissue_site:
omentum ovary peritoneum ovary NA's
3 575 2 10

patient.venous_invasion:
no yes NA's
73 90 427

patient.vital_status:
alive dead NA's
279 298 13

```

patient.year_of_form_completion:
  Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
  2009 2009 2009 2009 2009 2014 10

patient.year_of_initial_pathologic_diagnosis:
  Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
  1992 2001 2004 2004 2007 2013 10

patient.bcr_canonical_check.bcr_patient_canonical_reasons.bcr_canonical_reason:
  case matched methylation control incomplete distribution of specimens
  4 1
  other non-canonical primary tumor and recurrent tumor(s)
  10 11
  NA's
  564

patient.bcr_canonical_check.bcr_patient_canonical_status:
  canonical canonical - plus non-canonical
  564 15 11

patient.biospecimen_cqcf.consent_or_death_status:
  consented deceased NA's
  281 169 140

patient.biospecimen_cqcf.country:
  nigeria united states NA's
  1 9 580

patient.biospecimen_cqcf.days_to_pathology_review:
  Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
  -8 515 1691 1907 2853 6272 237

patient.biospecimen_cqcf.days_to_sample_procurement:
  Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
  -5.000 0.000 0.000 7.053 5.500 54.000 571

patient.biospecimen_cqcf.digital_image_submitted:
  no yes NA's
  8 3 579

patient.biospecimen_cqcf.ethnicity:
  not hispanic or latino NA's
  8 582

patient.biospecimen_cqcf.frozen_specimen_anatomic_site:
  omentum other ovary NA's
  16 1 430 143

patient.biospecimen_cqcf.histological_type:
  serous cystadenocarcinoma NA's
  447 143

```

```

patient.biospecimen_cqcf.history_of_neoadjuvant_treatment:
    no
    441
yes, pharmaceutical treatment prior to resection
    1
    yes, radiation prior to resection
    1
    NA's
    147

```

```

patient.biospecimen_cqcf.method_of_sample_procurement:
    gross total resection other method (please specify)
    7 16
    subtotal resection
    2 565

```

```

patient.biospecimen_cqcf.normal_controls.normal_control.2.bcr_sample_uuid:
97cda627-03b8-4e0e-8f96-c30deb4421f7
    1 589

```

```

patient.biospecimen_cqcf.normal_controls.normal_control.2.vial_number:
    1 NA's
    1 589

```

```

patient.biospecimen_cqcf.normal_controls.normal_control.days_to_normal_sample_pr
    Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
    -15.00 -6.50 -5.00 36.50 -0.25 361.00 580

```

```

patient.biospecimen_cqcf.normal_controls.normal_control.extracted_dna.ncedna_dna
    Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
    0.0910 0.2500 0.2500 44.3860 0.7162 1131.9000 450

```

```

patient.biospecimen_cqcf.normal_controls.normal_control.extracted_dna.ncedna_dna
    Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
    10.00 20.00 20.00 22.48 25.00 67.26 449

```

```

patient.biospecimen_cqcf.normal_controls.normal_control.extracted_dna.ncedna_dna
    Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
    10.0 50.0 100.0 125.9 120.0 700.0 449

```

```

patient.biospecimen_cqcf.normal_controls.normal_control.method_of_normal_sample_
blood draw
    NA's
    10 580

```

```

patient.biospecimen_cqcf.normal_controls.normal_control.vial_number:
    1 NA's
    424 166

```

patient.biospecimen_cqcf.path_confirm_diagnosis_matching:
 yes NA's
 11 579

patient.biospecimen_cqcf.path_confirm_report_attached:
 no yes NA's
 77 252 261

patient.biospecimen_cqcf.path_confirm_tumor_necrosis_metrics:
 yes NA's
 409 181

patient.biospecimen_cqcf.path_confirm_tumor_nuclei_metrics:
 no yes NA's
 1 413 176

patient.biospecimen_cqcf.race:
 black or african american white NA's
 10 3 577

patient.biospecimen_cqcf.sample_prescreened:
 no yes NA's
 35 411 144

patient.biospecimen_cqcf.site_of_disease:
 omentum other ovary NA's
 16 1 430 143

patient.biospecimen_cqcf.site_of_disease_description:
 other NA's
 1 589

patient.biospecimen_cqcf.site_of_disease_text:
 pelvic area NA's
 1 589

patient.biospecimen_cqcf.submitted_for_lce:
 no NA's
 10 580

patient.biospecimen_cqcf.top_slide_submitted:
 no yes NA's
 2 12 576

patient.biospecimen_cqcf.tumor_samples.tumor_sample.tumor_necrosis_percent:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 0.000 0.000 5.000 8.041 20.000 90.000 191

patient.biospecimen_cqcf.tumor_samples.tumor_sample.tumor_nuclei_percent:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's

20.00 80.00 80.00 82.92 90.00 100.00 180

patient.biospecimen_cqcf.tumor_samples.tumor_sample.tumor_weight:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
200.0	300.0	300.0	433.5	500.0	1400.0	559

patient.biospecimen_cqcf.tumor_samples.tumor_sample.vial_number:

1 NA's
448 142

patient.biospecimen_cqcf.vessel_used:

cassette	cryomold	cryovial	NA's
2	2	6	580

patient.days_to_index:

0 NA's
580 10

patient.samples.sample.2.bcr_biospecimen_canonical_reasons.bcr_canonical_reason:

primary tumor and recurrent tumor(s)	NA's
11	579

patient.samples.sample.2.days_to_collection:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
11.0	120.5	320.5	496.9	804.2	1211.0	580

patient.samples.sample.2.intermediate_dimension:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0.4000	0.5000	0.7000	0.7492	1.0000	1.8000	464

patient.samples.sample.2.is_ffpe:

no NA's
580 10

patient.samples.sample.2.longest_dimension:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0.400	0.900	1.200	1.185	1.500	2.900	464

patient.samples.sample.2.oct_embedded:

false NA's
10 580

patient.samples.sample.2.portions.portion.analytes.analyte.2.a260_a280_ratio:

1.8	1.9	NA's
11	1	578

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.2.
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 76814654 76816255 76816305 85280962 97530686 98887142 571

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.2.
 3 8 9 10 NA's
 12 65 6 26 481

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.2.
 0.14 0.15 0.16 0.5 NA's
 3 5 4 97 481

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.2.
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 2.00 2.00 10.00 11.01 16.00 31.00 481

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.2.
 no NA's
 109 481

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.2.
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 1.00 6.00 7.00 6.89 9.00 12.00 481

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.2.
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 1.000 2.000 4.000 5.101 9.000 12.000 481

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.2.
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 420.0 552.0 617.0 647.7 699.0 1140.0 481

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.2.
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 2.34 30.00 200.00 134.59 200.00 200.00 481

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.2.
 22 NA's
 109 481

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.2.
 16.7 60 400 NA's
 12 28 69 481

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.2.
 2009 2010 NA's
 90 19 481

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.3.

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
91290151	91290198	91290244	93665416	97545472	98886758	571

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.3.
 7 9 10 NA's
 12 91 6 481

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.3.
 0.14 0.15 0.16 0.5 NA's
 3 5 4 97 481

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
2.00	2.00	10.00	11.01	16.00	31.00	481

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.3.
 no NA's
 109 481

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1.00	6.00	7.00	6.89	9.00	12.00	481

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1.000	2.000	5.000	5.202	9.000	12.000	481

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
421.0	553.0	619.0	649.3	701.0	1141.0	481

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1.86	30.00	200.00	134.53	200.00	200.00	481

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.3.
 22 NA's
 109 481

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.3.
 13.3 60 400 NA's
 12 28 69 481

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.3.
 2009 2010 NA's
 90 19 481

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
------	---------	--------	------	---------	------	------

97515222 97515507 97530591 97763485 97530636 101188281 569

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.4.

7 8 9 10 NA's
12 8 4 1 565

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.4.

0.14 0.15 0.16 0.5 NA's
3 5 4 13 565

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.4.

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
7.00	7.00	14.00	14.72	14.00	31.00	565

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.4.

no NA's
25 565

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.4.

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
3.00	4.00	6.00	5.04	6.00	9.00	565

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.4.

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1.00	2.00	2.00	3.56	4.00	12.00	565

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.4.

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
495.0	894.0	1042.0	918.5	1042.0	1231.0	565

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.4.

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0.50	0.50	2.00	33.52	2.13	200.00	565

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.4.

22 NA's
25 565

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.4.

1 13.3 20 400 NA's
8 12 1 4 565

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.4.

2009 2010 NA's
4 21 565

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.5.

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1.005e+08	1.050e+09	1.050e+09	8.601e+08	1.050e+09	1.050e+09	580

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patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.5.
  7  13 NA's
  2   8  580

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.5.
0.14 0.15 0.16 NA's
  2   4   4  580

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.5.
 16  26 NA's
  8   2  580

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.5.
no NA's
 10  580

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.5.
  3   7 NA's
  8   2  580

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.5.
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.    NA's
 1.00   2.00   3.00   4.70   7.75   11.00   580

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.5.
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.    NA's
1151   1564   1564   1483   1567   1569   580

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.5.
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.    NA's
1.330   2.850   3.000   2.793   3.200   3.200   580

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.5.
 22 NA's
 10  580

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.5.
 9.5 13.3   20 NA's
  1   1   8  580

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.5.
2010 2011 NA's
  2   8  580

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.6.
tcga-29-1770-02a-01r-1567-13          NA's
                                   1          589

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.6.
ea119111-5217-4b8a-88e0-36dc77782241          NA's

```

1

589

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.6.
1049928319 NA's

1 589

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.6.
13 NA's

1 589

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.6.
0.15 NA's

1 589

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.6.
16 NA's

1 589

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.6.
no NA's

1 589

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.6.
3 NA's

1 589

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.6.
3 NA's

1 589

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.6.
1567 NA's

1 589

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.6.
h NA's

1 589

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.6.
3 NA's

1 589

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.6.
22 NA's

1 589

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.6.
20 NA's

1 589

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.6.
2011 NA's

1 589

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.bi

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
85092007	85092054	85092100	90075001	97545471	98864774	571

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.ce

1	8	9	10	NA's
12	32	459	65	22

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.co

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0.0200	0.1500	0.2400	0.2426	0.2700	0.5000	22

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.da

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
2.000	6.000	6.000	6.961	6.000	31.000	22

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.is

no NA's	22
568	22

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.mo

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1.000	10.000	10.000	9.403	10.000	12.000	22

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.pl

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1.000	7.000	9.000	8.401	10.000	12.000	22

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.pl

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
419	1306	1311	1185	1315	1318	22

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.qu

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
2.80	12.45	15.57	40.48	30.00	200.00	22

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.so

22 NA's	22
568	22

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.vo

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
20.0	60.0	79.4	140.0	173.0	400.0	22

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.ye

2009	2010	NA's
90	478	22

patient.samples.sample.2.portions.portion.analytes.analyte.2.amount:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 0.00 0.00 36.00 79.51 110.50 1020.00 22

patient.samples.sample.2.portions.portion.analytes.analyte.2.analyte_type:
 genomplex (rubicon) amplified dna repli-g (qiagen) dna
 459 97
 rna NA's
 12 22

patient.samples.sample.2.portions.portion.analytes.analyte.2.analyte_type_id:
 g r w NA's
 459 12 97 22

patient.samples.sample.2.portions.portion.analytes.analyte.2.concentration:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 0.0200 0.1500 0.2400 0.2426 0.2700 0.5000 22

patient.samples.sample.2.portions.portion.analytes.analyte.2.dna.normal_tumor_genes
 yes NA's
 556 34

patient.samples.sample.2.portions.portion.analytes.analyte.2.dna.pcr_amplification
 no NA's
 556 34

patient.samples.sample.2.portions.portion.analytes.analyte.2.gel_image_file:
<https://sharedoc.nchri.org/tcga-bcr/default.aspx>
 568
 NA's
 22

patient.samples.sample.2.portions.portion.analytes.analyte.2.is_derived_from_ffp
 no NA's
 568 22

patient.samples.sample.2.portions.portion.analytes.analyte.2.protocols.protocol.
 allprep rna extraction genomplex repli-g
 12 459 97
 NA's
 22

patient.samples.sample.2.portions.portion.analytes.analyte.2.rna.ratio_28s_18s:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 0.000 0.975 1.200 1.183 1.450 1.900 578

patient.samples.sample.2.portions.portion.analytes.analyte.2.rna.rinvalue:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 2.900 7.775 8.150 7.767 8.600 9.000 578

patient.samples.sample.2.portions.portion.analytes.analyte.2.spectrophotometer_m
 uv spec NA's
 568 22

patient.samples.sample.2.portions.portion.analytes.analyte.3.a260_a280_ratio:
 1.8 NA's
 4 586

patient.samples.sample.2.portions.portion.analytes.analyte.3.aliquots.aliquot.2.
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 91290104 97530024 97530050 96999233 97530361 97530736 543

patient.samples.sample.2.portions.portion.analytes.analyte.3.aliquots.aliquot.2.
 3 8 9 10 NA's
 4 186 42 41 317

patient.samples.sample.2.portions.portion.analytes.analyte.3.aliquots.aliquot.2.
 0.15 0.16 0.5 NA's
 2 2 269 317

patient.samples.sample.2.portions.portion.analytes.analyte.3.aliquots.aliquot.2.
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 2.00 8.00 12.00 16.62 31.00 31.00 317

patient.samples.sample.2.portions.portion.analytes.analyte.3.aliquots.aliquot.2.
 no NA's
 273 317

patient.samples.sample.2.portions.portion.analytes.analyte.3.aliquots.aliquot.2.
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 1.000 3.000 6.000 5.157 7.000 12.000 317

patient.samples.sample.2.portions.portion.analytes.analyte.3.aliquots.aliquot.2.
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 1.000 8.000 9.000 8.341 11.000 12.000 317

patient.samples.sample.2.portions.portion.analytes.analyte.3.aliquots.aliquot.2.
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 371.0 420.0 492.0 591.9 631.0 1092.0 317

patient.samples.sample.2.portions.portion.analytes.analyte.3.aliquots.aliquot.2.
 2.51 2.67 30 200 NA's
 2 2 62 207 317

patient.samples.sample.2.portions.portion.analytes.analyte.3.aliquots.aliquot.2.
 22 NA's
 273 317

patient.samples.sample.2.portions.portion.analytes.analyte.3.aliquots.aliquot.2.
 16.7 60 400 NA's
 4 62 207 317

patient.samples.sample.2.portions.portion.analytes.analyte.3.aliquots.aliquot.2.
 2008 2009 2010 NA's
 37 189 47 317

patient.samples.sample.2.portions.portion.analytes.analyte.3.aliquots.aliquot.3.
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 91289977 97545576 97545603 97012899 97545646 97545733 543

patient.samples.sample.2.portions.portion.analytes.analyte.3.aliquots.aliquot.3.
 7 9 10 NA's
 4 227 42 317

patient.samples.sample.2.portions.portion.analytes.analyte.3.aliquots.aliquot.3.
 0.15 0.16 0.5 NA's
 2 2 269 317

patient.samples.sample.2.portions.portion.analytes.analyte.3.aliquots.aliquot.3.
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 2.00 8.00 12.00 16.62 31.00 31.00 317

patient.samples.sample.2.portions.portion.analytes.analyte.3.aliquots.aliquot.3.
 no NA's
 273 317

patient.samples.sample.2.portions.portion.analytes.analyte.3.aliquots.aliquot.3.
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 1.000 3.000 6.000 5.157 7.000 12.000 317

patient.samples.sample.2.portions.portion.analytes.analyte.3.aliquots.aliquot.3.
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 1.000 8.000 9.000 8.355 11.000 12.000 317

patient.samples.sample.2.portions.portion.analytes.analyte.3.aliquots.aliquot.3.
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 372.0 421.0 494.0 593.6 633.0 1094.0 317

patient.samples.sample.2.portions.portion.analytes.analyte.3.aliquots.aliquot.3.
 2 2.13 30 200 NA's
 2 2 62 207 317

patient.samples.sample.2.portions.portion.analytes.analyte.3.aliquots.aliquot.3.
 22 NA's
 273 317

patient.samples.sample.2.portions.portion.analytes.analyte.3.aliquots.aliquot.3.

13.3 60 400 NA's
4 62 207 317

patient.samples.sample.2.portions.portion.analytes.analyte.3.aliquots.aliquot.3.
2008 2009 2010 NA's
37 189 47 317

patient.samples.sample.2.portions.portion.analytes.analyte.3.aliquots.aliquot.4.
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
9.649e+07 9.649e+07 9.752e+07 1.502e+08 9.752e+07 1.050e+09 572

patient.samples.sample.2.portions.portion.analytes.analyte.3.aliquots.aliquot.4.
8 9 13 NA's
6 17 1 566

patient.samples.sample.2.portions.portion.analytes.analyte.3.aliquots.aliquot.4.
0.16 0.5 NA's
1 23 566

patient.samples.sample.2.portions.portion.analytes.analyte.3.aliquots.aliquot.4.
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
7.00 13.75 28.00 22.12 28.75 31.00 566

patient.samples.sample.2.portions.portion.analytes.analyte.3.aliquots.aliquot.4.
no NA's
24 566

patient.samples.sample.2.portions.portion.analytes.analyte.3.aliquots.aliquot.4.
3 4 7 NA's
7 14 3 566

patient.samples.sample.2.portions.portion.analytes.analyte.3.aliquots.aliquot.4.
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
1.000 2.000 2.000 3.625 4.000 11.000 566

patient.samples.sample.2.portions.portion.analytes.analyte.3.aliquots.aliquot.4.
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
489.0 794.2 936.0 878.7 977.0 1565.0 566

patient.samples.sample.2.portions.portion.analytes.analyte.3.aliquots.aliquot.4.
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
0.500 2.525 10.000 58.592 80.000 200.000 566

patient.samples.sample.2.portions.portion.analytes.analyte.3.aliquots.aliquot.4.
22 NA's
24 566

patient.samples.sample.2.portions.portion.analytes.analyte.3.aliquots.aliquot.4.
1 20 80 400 NA's

6 9 3 6 566

patient.samples.sample.2.portions.portion.analytes.analyte.3.aliquots.aliquot.4.
 2009 2010 2011 NA's
 6 17 1 566

patient.samples.sample.2.portions.portion.analytes.analyte.3.aliquots.aliquot.bi
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 76816135 100502670 100511831 99120672 100518446 100518942 283

patient.samples.sample.2.portions.portion.analytes.analyte.3.aliquots.aliquot.ce
 1 7 8 10 NA's
 4 12 331 186 57

patient.samples.sample.2.portions.portion.analytes.analyte.3.aliquots.aliquot.co
 0.1 0.15 0.16 0.5 NA's
 12 2 2 517 57

patient.samples.sample.2.portions.portion.analytes.analyte.3.aliquots.aliquot.da
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 1.000 1.000 3.000 9.086 12.000 31.000 57

patient.samples.sample.2.portions.portion.analytes.analyte.3.aliquots.aliquot.is
 no NA's
 533 57

patient.samples.sample.2.portions.portion.analytes.analyte.3.aliquots.aliquot.mo
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 1.000 6.000 9.000 6.884 9.000 12.000 57

patient.samples.sample.2.portions.portion.analytes.analyte.3.aliquots.aliquot.pl
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 1.000 7.000 9.000 8.497 11.000 12.000 57

patient.samples.sample.2.portions.portion.analytes.analyte.3.aliquots.aliquot.pl
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 370.0 490.0 1089.0 886.4 1215.0 1218.0 57

patient.samples.sample.2.portions.portion.analytes.analyte.3.aliquots.aliquot.qu
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 1.00 40.00 40.00 99.82 200.00 200.00 57

patient.samples.sample.2.portions.portion.analytes.analyte.3.aliquots.aliquot.so
 22 NA's
 533 57

patient.samples.sample.2.portions.portion.analytes.analyte.3.aliquots.aliquot.vo
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 10.0 80.0 80.0 199.9 400.0 400.0 57

patient.samples.sample.2.portions.portion.analytes.analyte.3.aliquots.aliquot.ye
 2008 2009 2010 NA's
 37 189 307 57

patient.samples.sample.2.portions.portion.analytes.analyte.3.amount:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 0.0 128.0 155.0 191.1 215.6 1020.0 57

patient.samples.sample.2.portions.portion.analytes.analyte.3.analyte_type:
 repli-g (qiagen) dna rna total rna
 517 4 12
 NA's
 57

patient.samples.sample.2.portions.portion.analytes.analyte.3.analyte_type_id:
 r t w NA's
 4 12 517 57

patient.samples.sample.2.portions.portion.analytes.analyte.3.concentration:
 0.1 0.15 0.16 0.5 NA's
 12 2 2 517 57

patient.samples.sample.2.portions.portion.analytes.analyte.3.dna.normal_tumor_ge
 yes NA's
 517 73

patient.samples.sample.2.portions.portion.analytes.analyte.3.dna.pcr_amplificati
 no NA's
 517 73

patient.samples.sample.2.portions.portion.analytes.analyte.3.gel_image_file:
<https://sharedoc.nchri.org/tcga-bcr/default.aspx>
 533
 NA's
 57

patient.samples.sample.2.portions.portion.analytes.analyte.3.is_derived_from_ffp
 no NA's
 533 57

patient.samples.sample.2.portions.portion.analytes.analyte.3.protocols.protocol.
 allprep rna extraction repli-g total rna
 4 517 12
 NA's
 57

patient.samples.sample.2.portions.portion.analytes.analyte.3.rna.ratio_28s_18s:
 0.5 1 1.5 NA's
 2 1 1 586

```

patient.samples.sample.2.portions.portion.analytes.analyte.3.rna.rinvalue:
  6.8   7   8  8.1 NA's
    1   1   1   1  586

```

```

patient.samples.sample.2.portions.portion.analytes.analyte.3.spectrophotometer_m
uv spec    NA's
    533     57

```

```

patient.samples.sample.2.portions.portion.analytes.analyte.4.aliquots.aliquot.2.
  Min.  1st Qu.  Median    Mean  3rd Qu.    Max.    NA's
9.129e+07 9.129e+07 9.129e+07 1.143e+08 9.129e+07 1.053e+09    548

```

```

patient.samples.sample.2.portions.portion.analytes.analyte.4.aliquots.aliquot.2.
  8   9  10 NA's
186  1  1  402

```

```

patient.samples.sample.2.portions.portion.analytes.analyte.4.aliquots.aliquot.2.
  0.5 NA's
188  402

```

```

patient.samples.sample.2.portions.portion.analytes.analyte.4.aliquots.aliquot.2.
  Min. 1st Qu.  Median    Mean  3rd Qu.    Max.    NA's
  2.00   2.00   16.00   15.37   23.00   28.00   402

```

```

patient.samples.sample.2.portions.portion.analytes.analyte.4.aliquots.aliquot.2.
  no NA's
188  402

```

```

patient.samples.sample.2.portions.portion.analytes.analyte.4.aliquots.aliquot.2.
  Min. 1st Qu.  Median    Mean  3rd Qu.    Max.    NA's
  1.000   9.000   9.000   8.436  12.000  12.000   402

```

```

patient.samples.sample.2.portions.portion.analytes.analyte.4.aliquots.aliquot.2.
  Min. 1st Qu.  Median    Mean  3rd Qu.    Max.    NA's
  1.000   8.000   9.000   8.144  11.000  12.000   402

```

```

patient.samples.sample.2.portions.portion.analytes.analyte.4.aliquots.aliquot.2.
  Min. 1st Qu.  Median    Mean  3rd Qu.    Max.    NA's
  617.0  637.0  699.0  705.9  723.0  1639.0   402

```

```

patient.samples.sample.2.portions.portion.analytes.analyte.4.aliquots.aliquot.2.
  5  30  200 NA's
  1 142  45  402

```

```

patient.samples.sample.2.portions.portion.analytes.analyte.4.aliquots.aliquot.2.
  22 NA's
188  402

```

patient.samples.sample.2.portions.portion.analytes.analyte.4.aliquots.aliquot.2.
 10 60 400 NA's
 1 142 45 402

patient.samples.sample.2.portions.portion.analytes.analyte.4.aliquots.aliquot.2.
 2009 2010 2011 NA's
 146 41 1 402

patient.samples.sample.2.portions.portion.analytes.analyte.4.aliquots.aliquot.3.
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 91289974 91290278 91290303 91442874 91290328 97545714 549

patient.samples.sample.2.portions.portion.analytes.analyte.4.aliquots.aliquot.3.
 9 10 NA's
 186 1 403

patient.samples.sample.2.portions.portion.analytes.analyte.4.aliquots.aliquot.3.
 0.5 NA's
 187 403

patient.samples.sample.2.portions.portion.analytes.analyte.4.aliquots.aliquot.3.
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 2.0 2.0 16.0 15.3 23.0 27.0 403

patient.samples.sample.2.portions.portion.analytes.analyte.4.aliquots.aliquot.3.
 no NA's
 187 403

patient.samples.sample.2.portions.portion.analytes.analyte.4.aliquots.aliquot.3.
 1 7 9 12 NA's
 40 1 72 74 403

patient.samples.sample.2.portions.portion.analytes.analyte.4.aliquots.aliquot.3.
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 1.000 8.000 9.000 8.182 11.000 12.000 403

patient.samples.sample.2.portions.portion.analytes.analyte.4.aliquots.aliquot.3.
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 619.0 639.0 701.0 702.9 725.0 1094.0 403

patient.samples.sample.2.portions.portion.analytes.analyte.4.aliquots.aliquot.3.
 30 200 NA's
 142 45 403

patient.samples.sample.2.portions.portion.analytes.analyte.4.aliquots.aliquot.3.
 22 NA's
 187 403

patient.samples.sample.2.portions.portion.analytes.analyte.4.aliquots.aliquot.3.

60 400 NA's
142 45 403

patient.samples.sample.2.portions.portion.analytes.analyte.4.aliquots.aliquot.3.
2009 2010 NA's
146 41 403

patient.samples.sample.2.portions.portion.analytes.analyte.4.aliquots.aliquot.4.
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
97515237 97515508 97515550 97515517 97515559 97515582 560

patient.samples.sample.2.portions.portion.analytes.analyte.4.aliquots.aliquot.4.
8 NA's
30 560

patient.samples.sample.2.portions.portion.analytes.analyte.4.aliquots.aliquot.4.
0.5 NA's
30 560

patient.samples.sample.2.portions.portion.analytes.analyte.4.aliquots.aliquot.4.
7 NA's
30 560

patient.samples.sample.2.portions.portion.analytes.analyte.4.aliquots.aliquot.4.
no NA's
30 560

patient.samples.sample.2.portions.portion.analytes.analyte.4.aliquots.aliquot.4.
4 NA's
30 560

patient.samples.sample.2.portions.portion.analytes.analyte.4.aliquots.aliquot.4.
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
1.0 8.0 10.0 8.6 11.0 12.0 560

patient.samples.sample.2.portions.portion.analytes.analyte.4.aliquots.aliquot.4.
894 895 NA's
25 5 560

patient.samples.sample.2.portions.portion.analytes.analyte.4.aliquots.aliquot.4.
0.5 NA's
30 560

patient.samples.sample.2.portions.portion.analytes.analyte.4.aliquots.aliquot.4.
22 NA's
30 560

patient.samples.sample.2.portions.portion.analytes.analyte.4.aliquots.aliquot.4.
1 NA's

30 560

patient.samples.sample.2.portions.portion.analytes.analyte.4.aliquots.aliquot.4.
2010 NA's

30 560

patient.samples.sample.2.portions.portion.analytes.analyte.4.aliquots.aliquot.bi

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
91289235	91290007	91290575	92817387	91290618	97545488	537

patient.samples.sample.2.portions.portion.analytes.analyte.4.aliquots.aliquot.ce

7	8	10	NA's
4	1	197	388

patient.samples.sample.2.portions.portion.analytes.analyte.4.aliquots.aliquot.co

0.1	0.5	NA's
4	198	388

patient.samples.sample.2.portions.portion.analytes.analyte.4.aliquots.aliquot.da

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
2.00	2.00	16.00	15.48	23.00	27.00	388

patient.samples.sample.2.portions.portion.analytes.analyte.4.aliquots.aliquot.is

no NA's
202 388

patient.samples.sample.2.portions.portion.analytes.analyte.4.aliquots.aliquot.mo

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1.000	4.000	9.000	8.203	12.000	12.000	388

patient.samples.sample.2.portions.portion.analytes.analyte.4.aliquots.aliquot.pl

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1.000	4.000	9.000	7.753	11.000	12.000	388

patient.samples.sample.2.portions.portion.analytes.analyte.4.aliquots.aliquot.pl

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
455.0	635.0	698.0	711.7	797.0	1090.0	388

patient.samples.sample.2.portions.portion.analytes.analyte.4.aliquots.aliquot.qu

1	10	30	200	NA's
4	11	142	45	388

patient.samples.sample.2.portions.portion.analytes.analyte.4.aliquots.aliquot.so

22 NA's
202 388

patient.samples.sample.2.portions.portion.analytes.analyte.4.aliquots.aliquot.vo

10	20	60	400	NA's
4	11	142	45	388

patient.samples.sample.2.portions.portion.analytes.analyte.4.aliquots.aliquot.ye
 2009 2010 NA's
 149 53 388

patient.samples.sample.2.portions.portion.analytes.analyte.4.amount:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 0.0 0.0 0.0 159.2 79.0 1020.0 388

patient.samples.sample.2.portions.portion.analytes.analyte.4.analyte_type:
 repli-g (qiagen) dna total rna NA's
 198 4 388

patient.samples.sample.2.portions.portion.analytes.analyte.4.analyte_type_id:
 t w NA's
 4 198 388

patient.samples.sample.2.portions.portion.analytes.analyte.4.concentration:
 0.1 0.5 NA's
 4 198 388

patient.samples.sample.2.portions.portion.analytes.analyte.4.dna.normal_tumor_ge
 yes NA's
 198 392

patient.samples.sample.2.portions.portion.analytes.analyte.4.dna.pcr_amplificati
 no NA's
 198 392

patient.samples.sample.2.portions.portion.analytes.analyte.4.gel_image_file:
<https://sharedoc.nchri.org/tcga-bcr/default.aspx>
 202
 NA's
 388

patient.samples.sample.2.portions.portion.analytes.analyte.4.is_derived_from_ffp
 no NA's
 202 388

patient.samples.sample.2.portions.portion.analytes.analyte.4.protocols.protocol.
 repli-g total rna NA's
 198 4 388

patient.samples.sample.2.portions.portion.analytes.analyte.4.spectrophotometer_m
 uv spec NA's
 202 388

patient.samples.sample.2.portions.portion.analytes.analyte.5.aliquots.aliquot.2.
 tcga-04-1644-01b-01w-1091-09 tcga-09-2055-01b-01w-0799-08
 1 1

tcga-10-0925-01b-01w-0699-08 tcga-13-0901-01b-01w-0492-08
 1 1
 NA's
 586

patient.samples.sample.2.portions.portion.analytes.analyte.5.aliquots.aliquot.2.
 2ecf7c25-b626-4635-ba33-a299ddf228a9 63c21c57-9539-4a17-84cc-e9efb303144d
 1 1
 96caff1d-35bd-4457-a71e-87cde4f6357d a4bbe173-9e12-4a0d-89d6-25ecc56aad3b
 1 1
 NA's
 586

patient.samples.sample.2.portions.portion.analytes.analyte.5.aliquots.aliquot.2.
 91291952 97530015 NA's
 1 1 588

patient.samples.sample.2.portions.portion.analytes.analyte.5.aliquots.aliquot.2.
 8 9 NA's
 3 1 586

patient.samples.sample.2.portions.portion.analytes.analyte.5.aliquots.aliquot.2.
 0.5 NA's
 4 586

patient.samples.sample.2.portions.portion.analytes.analyte.5.aliquots.aliquot.2.
 2 12 27 31 NA's
 1 1 1 1 586

patient.samples.sample.2.portions.portion.analytes.analyte.5.aliquots.aliquot.2.
 no NA's
 4 586

patient.samples.sample.2.portions.portion.analytes.analyte.5.aliquots.aliquot.2.
 1 3 7 12 NA's
 1 1 1 1 586

patient.samples.sample.2.portions.portion.analytes.analyte.5.aliquots.aliquot.2.
 1 2 5 NA's
 2 1 1 586

patient.samples.sample.2.portions.portion.analytes.analyte.5.aliquots.aliquot.2.
 492 699 799 1091 NA's
 1 1 1 1 586

patient.samples.sample.2.portions.portion.analytes.analyte.5.aliquots.aliquot.2.
 b c f g NA's
 1 1 1 1 586

patient.samples.sample.2.portions.portion.analytes.analyte.5.aliquots.aliquot.2.
 30 200 NA's
 3 1 586

```

patient.samples.sample.2.portions.portion.analytes.analyte.5.aliquots.aliquot.2.
  22 NA's
  4 586

patient.samples.sample.2.portions.portion.analytes.analyte.5.aliquots.aliquot.2.
  60 400 NA's
  3  1 586

patient.samples.sample.2.portions.portion.analytes.analyte.5.aliquots.aliquot.2.
2009 2010 NA's
  2  2 586

patient.samples.sample.2.portions.portion.analytes.analyte.5.aliquots.aliquot.3.
tcga-04-1644-01b-01w-1093-10 tcga-09-2055-01b-01w-0801-09
                                1                                1
tcga-10-0925-01b-01w-0701-09 tcga-13-0901-01b-01w-0494-09
                                1                                1
                                NA's
                                586

patient.samples.sample.2.portions.portion.analytes.analyte.5.aliquots.aliquot.3.
256f1555-0952-4670-882f-280c182dbda2 4ccc9539-039c-42d7-af06-0402dd25c404
                                1                                1
a66099b8-967f-474a-9ff8-ff1c9a75f0b9 ad973e90-48b5-4cf2-b856-d39142a9d448
                                1                                1
                                NA's
                                586

patient.samples.sample.2.portions.portion.analytes.analyte.5.aliquots.aliquot.3.
91290320 97545567 NA's
          1          1      588

patient.samples.sample.2.portions.portion.analytes.analyte.5.aliquots.aliquot.3.
  9  10 NA's
  3  1 586

patient.samples.sample.2.portions.portion.analytes.analyte.5.aliquots.aliquot.3.
  0.5 NA's
  4 586

patient.samples.sample.2.portions.portion.analytes.analyte.5.aliquots.aliquot.3.
  2  12  27  31 NA's
  1  1  1  1 586

patient.samples.sample.2.portions.portion.analytes.analyte.5.aliquots.aliquot.3.
no NA's
  4 586

patient.samples.sample.2.portions.portion.analytes.analyte.5.aliquots.aliquot.3.
  1  3  7  12 NA's
  1  1  1  1 586

```

patient.samples.sample.2.portions.portion.analytes.analyte.5.aliquots.aliquot.3.
 1 2 5 NA's
 2 1 1 586

patient.samples.sample.2.portions.portion.analytes.analyte.5.aliquots.aliquot.3.
 494 701 801 1093 NA's
 1 1 1 1 586

patient.samples.sample.2.portions.portion.analytes.analyte.5.aliquots.aliquot.3.
 b c f g NA's
 1 1 1 1 586

patient.samples.sample.2.portions.portion.analytes.analyte.5.aliquots.aliquot.3.
 30 200 NA's
 3 1 586

patient.samples.sample.2.portions.portion.analytes.analyte.5.aliquots.aliquot.3.
 22 NA's
 4 586

patient.samples.sample.2.portions.portion.analytes.analyte.5.aliquots.aliquot.3.
 60 400 NA's
 3 1 586

patient.samples.sample.2.portions.portion.analytes.analyte.5.aliquots.aliquot.3.
 2009 2010 NA's
 2 2 586

patient.samples.sample.2.portions.portion.analytes.analyte.5.aliquots.aliquot.4.
 tcga-10-0925-01b-01w-0894-08 NA's
 1 589

patient.samples.sample.2.portions.portion.analytes.analyte.5.aliquots.aliquot.4.
 82db78f7-22e7-4830-9c5f-4bf695cf2c10 NA's
 1 589

patient.samples.sample.2.portions.portion.analytes.analyte.5.aliquots.aliquot.4.
 97515566 NA's
 1 589

patient.samples.sample.2.portions.portion.analytes.analyte.5.aliquots.aliquot.4.
 8 NA's
 1 589

patient.samples.sample.2.portions.portion.analytes.analyte.5.aliquots.aliquot.4.
 0.5 NA's
 1 589

patient.samples.sample.2.portions.portion.analytes.analyte.5.aliquots.aliquot.4.
 7 NA's
 1 589

```

patient.samples.sample.2.portions.portion.analytes.analyte.5.aliquots.aliquot.4.
no NA's
1 589

patient.samples.sample.2.portions.portion.analytes.analyte.5.aliquots.aliquot.4.
4 NA's
1 589

patient.samples.sample.2.portions.portion.analytes.analyte.5.aliquots.aliquot.4.
1 NA's
1 589

patient.samples.sample.2.portions.portion.analytes.analyte.5.aliquots.aliquot.4.
894 NA's
1 589

patient.samples.sample.2.portions.portion.analytes.analyte.5.aliquots.aliquot.4.
c NA's
1 589

patient.samples.sample.2.portions.portion.analytes.analyte.5.aliquots.aliquot.4.
0.5 NA's
1 589

patient.samples.sample.2.portions.portion.analytes.analyte.5.aliquots.aliquot.4.
22 NA's
1 589

patient.samples.sample.2.portions.portion.analytes.analyte.5.aliquots.aliquot.4.
1 NA's
1 589

patient.samples.sample.2.portions.portion.analytes.analyte.5.aliquots.aliquot.4.
2010 NA's
1 589

patient.samples.sample.2.portions.portion.analytes.analyte.5.aliquots.aliquot.bo
tcga-04-1644-01b-01w-1089-08 tcga-09-2055-01b-01w-0797-10
1 1
tcga-10-0925-01b-01w-0697-10 tcga-13-0901-01b-01w-0490-10
1 1
NA's
586

patient.samples.sample.2.portions.portion.analytes.analyte.5.aliquots.aliquot.bo
4757ed90-2f16-4525-b114-138fdeb51296 47b21121-4237-4544-89a9-edcb85328318
1 1
8085ed2c-22b6-4bc3-9484-903fa7ac51ff 99e1613f-8d49-4f45-934a-9b91a12507ec
1 1
NA's
586

```

patient.samples.sample.2.portions.portion.analytes.analyte.5.aliquots.aliquot.bi
91290608 97530399 NA's
1 1 588

patient.samples.sample.2.portions.portion.analytes.analyte.5.aliquots.aliquot.ce
8 10 NA's
1 3 586

patient.samples.sample.2.portions.portion.analytes.analyte.5.aliquots.aliquot.co
0.5 NA's
4 586

patient.samples.sample.2.portions.portion.analytes.analyte.5.aliquots.aliquot.da
2 12 27 31 NA's
1 1 1 1 586

patient.samples.sample.2.portions.portion.analytes.analyte.5.aliquots.aliquot.is
no NA's
4 586

patient.samples.sample.2.portions.portion.analytes.analyte.5.aliquots.aliquot.mo
1 3 7 12 NA's
1 1 1 1 586

patient.samples.sample.2.portions.portion.analytes.analyte.5.aliquots.aliquot.pl
1 2 5 NA's
2 1 1 586

patient.samples.sample.2.portions.portion.analytes.analyte.5.aliquots.aliquot.pl
490 697 797 1089 NA's
1 1 1 1 586

patient.samples.sample.2.portions.portion.analytes.analyte.5.aliquots.aliquot.pl
b c f g NA's
1 1 1 1 586

patient.samples.sample.2.portions.portion.analytes.analyte.5.aliquots.aliquot.qu
30 200 NA's
3 1 586

patient.samples.sample.2.portions.portion.analytes.analyte.5.aliquots.aliquot.so
22 NA's
4 586

patient.samples.sample.2.portions.portion.analytes.analyte.5.aliquots.aliquot.vo
60 400 NA's
3 1 586

patient.samples.sample.2.portions.portion.analytes.analyte.5.aliquots.aliquot.ye
2009 2010 NA's
2 2 586

```
patient.samples.sample.2.portions.portion.analytes.analyte.5.amount:
  0      79      100 150.42  NA's
  1      1       1       1     586
```

```
patient.samples.sample.2.portions.portion.analytes.analyte.5.analyte_type:
repli-g (qiagen) dna          NA's
                   4          586
```

```
patient.samples.sample.2.portions.portion.analytes.analyte.5.analyte_type_id:
  w NA's
  4  586
```

```
patient.samples.sample.2.portions.portion.analytes.analyte.5.bcr_analyte_barcode:
tcga-04-1644-01b-01w tcga-09-2055-01b-01w tcga-10-0925-01b-01w
                   1                   1                   1
tcga-13-0901-01b-01w          NA's
                   1                   586
```

```
patient.samples.sample.2.portions.portion.analytes.analyte.5.bcr_analyte_uuid:
47f18327-3c97-412f-82db-d843b27049ed 528f3469-856b-4a43-bd2f-cd68c811b57d
                                     1                                     1
5e2c0047-45ec-45cb-9077-6351ec99e284 8df15532-d037-48e8-9d6f-95a5670ebaa9
                                     1                                     1
                                     NA's
                                     586
```

```
patient.samples.sample.2.portions.portion.analytes.analyte.5.concentration:
  0.5 NA's
  4  586
```

```
patient.samples.sample.2.portions.portion.analytes.analyte.5.dna.normal_tumor_ge
yes NA's
  4  586
```

```
patient.samples.sample.2.portions.portion.analytes.analyte.5.dna.pcr_amplificati
no NA's
  4  586
```

```
patient.samples.sample.2.portions.portion.analytes.analyte.5.gel_image_file:
https://sharedoc.nchri.org/tcga-bcr/default.aspx
                                     4
                                     NA's
                                     586
```

```
patient.samples.sample.2.portions.portion.analytes.analyte.5.is_derived_from_ffp
no NA's
  4  586
```

```
patient.samples.sample.2.portions.portion.analytes.analyte.5.protocols.protocol.
repli-g      NA's
  4          586
```

patient.samples.sample.2.portions.portion.analytes.analyte.5.spectrophotometer_m
 uv spec NA's
 4 586

patient.samples.sample.2.portions.portion.analytes.analyte.6.aliquots.aliquot.bo
 tcga-09-2055-01b-01w-1217-08 tcga-10-0925-01b-01w-1215-08
 1 1
 NA's
 588

patient.samples.sample.2.portions.portion.analytes.analyte.6.aliquots.aliquot.bo
 076821ad-b94c-4dfc-8586-f71f30d4b4c0 07b168f4-fd8e-4cf8-a27c-bd984134adb8
 1 1
 NA's
 588

patient.samples.sample.2.portions.portion.analytes.analyte.6.aliquots.aliquot.bi
 100513020 100518898 NA's
 1 1 588

patient.samples.sample.2.portions.portion.analytes.analyte.6.aliquots.aliquot.ce
 8 NA's
 2 588

patient.samples.sample.2.portions.portion.analytes.analyte.6.aliquots.aliquot.co
 0.5 NA's
 2 588

patient.samples.sample.2.portions.portion.analytes.analyte.6.aliquots.aliquot.da
 1 NA's
 2 588

patient.samples.sample.2.portions.portion.analytes.analyte.6.aliquots.aliquot.is
 no NA's
 2 588

patient.samples.sample.2.portions.portion.analytes.analyte.6.aliquots.aliquot.mo
 9 NA's
 2 588

patient.samples.sample.2.portions.portion.analytes.analyte.6.aliquots.aliquot.pl
 3 5 NA's
 1 1 588

patient.samples.sample.2.portions.portion.analytes.analyte.6.aliquots.aliquot.pl
 1215 1217 NA's
 1 1 588

patient.samples.sample.2.portions.portion.analytes.analyte.6.aliquots.aliquot.pl
 e g NA's
 1 1 588


```
patient.samples.sample.2.portions.portion.analytes.analyte.6.aliquots.aliquot.qu
  40 NA's
  2 588

patient.samples.sample.2.portions.portion.analytes.analyte.6.aliquots.aliquot.so
  22 NA's
  2 588

patient.samples.sample.2.portions.portion.analytes.analyte.6.aliquots.aliquot.vo
  80 NA's
  2 588

patient.samples.sample.2.portions.portion.analytes.analyte.6.aliquots.aliquot.ye
2010 NA's
  2 588

patient.samples.sample.2.portions.portion.analytes.analyte.6.amount:
  130 156 NA's
  1 1 588

patient.samples.sample.2.portions.portion.analytes.analyte.6.analyte_type:
repli-g (qiagen) dna NA's
  2 588

patient.samples.sample.2.portions.portion.analytes.analyte.6.analyte_type_id:
  w NA's
  2 588

patient.samples.sample.2.portions.portion.analytes.analyte.6.bcr_analyte_barcode
tcga-09-2055-01b-01w tcga-10-0925-01b-01w NA's
  1 1 588

patient.samples.sample.2.portions.portion.analytes.analyte.6.bcr_analyte_uuid:
47f18327-3c97-412f-82db-d843b27049ed 8df15532-d037-48e8-9d6f-95a5670ebaa9
  1 1
  NA's
  588

patient.samples.sample.2.portions.portion.analytes.analyte.6.concentration:
  0.5 NA's
  2 588

patient.samples.sample.2.portions.portion.analytes.analyte.6.dna.normal_tumor_ge
yes NA's
  2 588

patient.samples.sample.2.portions.portion.analytes.analyte.6.dna.pcr_amplificati
no NA's
  2 588

patient.samples.sample.2.portions.portion.analytes.analyte.6.gel_image_file:
```

<https://sharedoc.nchri.org/tcga-bcr/default.aspx>

2
NA's
588

patient.samples.sample.2.portions.portion.analytes.analyte.6.is_derived_from_ffp
no NA's
2 588

patient.samples.sample.2.portions.portion.analytes.analyte.6.protocols.protocol.
repli-g NA's
2 588

patient.samples.sample.2.portions.portion.analytes.analyte.6.spectrophotometer_m
uv spec NA's
2 588

patient.samples.sample.2.portions.portion.analytes.analyte.a260_a280_ratio:
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
1.600 1.900 1.900 1.892 1.900 2.000 22

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.2.bi
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
76816711 97530192 97530224 104309437 97530270 167780529 519

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.2.ce
1 4 6 9 NA's
15 488 65 10 12

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.2.co
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
0.0700 0.1400 0.1500 0.1509 0.1600 0.2100 12

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.2.da
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
3.0 9.0 15.0 16.2 23.0 28.0 12

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.2.is
no NA's
578 12

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.2.mo
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
1.000 3.000 6.000 6.491 10.000 12.000 12

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.2.pl
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
1.000 7.000 9.000 8.623 10.000 12.000 12

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.2.qu
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 0.940 3.740 4.010 3.703 4.270 4.940 12

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.2.so
 22 23 NA's
 568 10 12

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.2.vo
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 6.70 26.70 26.70 24.67 26.70 40.00 12

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.2.ye
 2008 2009 2010 2014 NA's
 73 434 61 10 12

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.3.bi
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 85091434 97526545 97526575 95393868 97526614 98864647 529

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.3.ce
 4 6 NA's
 80 488 22

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.3.co
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 0.1200 0.1400 0.1500 0.1522 0.1600 0.2100 22

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.3.da
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 3.00 9.00 15.00 16.32 23.00 28.00 22

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.3.is
 no NA's
 568 22

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.3.mo
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 1.000 3.000 6.000 6.518 10.000 12.000 22

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.3.pl
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 1.00 7.00 9.00 8.65 10.00 12.00 22

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.3.pl
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 358.0 458.0 561.0 584.2 665.0 1136.0 22

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.3.qu
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 1.600 1.860 2.000 2.292 2.240 4.540 22

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.3.so
 22 NA's
 568 22

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.3.vo
 11.3 11.8 13.3 26.7 NA's
 1 37 450 80 22

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.3.ye
 2008 2009 2010 NA's
 73 434 61 22

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.4.bi
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 85090970 97529519 97529549 95397896 97529575 98887571 529

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.4.ce
 2 6 NA's
 553 15 22

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.4.co
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 0.1200 0.1400 0.1500 0.1522 0.1600 0.2100 22

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.4.da
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 3.00 9.00 15.00 16.24 23.00 28.00 22

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.4.is
 no NA's
 568 22

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.4.mo
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 1.000 3.000 6.000 6.518 10.000 12.000 22

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.4.pl
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 1.00 7.00 9.00 8.65 10.00 12.00 22

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.4.pl
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 360.0 459.0 562.0 585.5 666.0 1137.0 22

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.4.qu

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1.500	2.800	3.000	2.985	3.200	3.700	22

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.4.so
 22 NA's
 568 22

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
10	13.3	17.6	20	NA's		
2	15	37	514	22		

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.4.vo

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
2008	2009	2010	NA's			
73	434	61	22			

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.4.ye

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.5.bo
 case matched methylation control NA's
 1 589

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
8.509e+07	9.753e+07	9.753e+07	2.769e+08	1.539e+08	1.054e+09	372

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.5.bi

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1.000	1.000	2.000	3.777	8.000	10.000	298

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.5.ce

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0.050	0.130	0.150	0.133	0.160	0.210	298

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.5.co

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
2.0	9.0	9.0	11.9	19.0	27.0	298

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.5.da

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.5.is
 no NA's
 292 298

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1.000	4.000	6.000	5.308	6.000	12.000	298

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.5.mo

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1.000	6.000	8.000	7.233	10.000	12.000	298

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.5.pl

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.5.qu

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0.000	0.500	0.570	1.752	3.000	22.660	298
patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.5.so						
22	23	NA's				
272	20	298				
patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.5.vo						
Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0.00	3.33	3.33	17.15	17.70	133.30	298
patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.5.ye						
Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
2008	2010	2010	2010	2010	2013	298
patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.6.bi						
Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
9.751e+07	9.753e+07	9.753e+07	1.487e+08	1.539e+08	1.050e+09	490
patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.6.ce						
Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1.000	1.000	8.000	5.945	8.000	12.000	444
patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.6.co						
Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0.0500	0.1400	0.1500	0.1402	0.1600	0.2100	444
patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.6.da						
Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
2.00	9.00	19.00	14.59	19.00	26.00	444
patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.6.is						
no NA's						
146	444					
patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.6.mo						
Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
2.000	6.000	6.000	7.884	12.000	12.000	444
patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.6.pl						
Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1.000	3.000	6.000	6.219	9.000	12.000	444
patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.6.qu						
Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0.000	0.000	0.500	1.388	0.940	15.000	444
patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.6.so						

22 23 NA's
123 23 444

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.6.vo
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
0.00 0.00 3.33 11.37 13.38 100.00 444

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.6.ye
2009 2010 2011 2013 NA's
1 73 49 23 444

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.7.bi
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
9.753e+07 1.292e+08 1.539e+08 2.231e+08 1.539e+08 1.050e+09 568

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.7.ce
1 8 9 10 NA's
3 20 2 8 557

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.7.co
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
0.05 0.07 0.14 0.12 0.17 0.19 557

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.7.da
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
2.00 9.00 19.00 16.85 26.00 26.00 557

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.7.is
no NA's
33 557

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.7.mo
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
1.000 6.000 9.000 8.515 12.000 12.000 557

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.7.pl
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
1.00 1.00 4.00 3.97 6.00 10.00 557

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.7.qu
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
0.0000 0.0000 0.9400 0.8233 1.0000 5.0000 557

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.7.so
22 23 NA's
19 14 557

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.7.vo

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0.000	0.000	13.400	9.413	13.400	33.300	557

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.7.ye
 2010 2011 2013 2015 NA's
 4 15 13 1 557

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1.210e+08	1.457e+08	1.539e+08	2.594e+08	1.574e+08	1.050e+09	582

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.8.ce
 1 9 10 NA's
 2 1 5 582

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.8.co
 0.05 0.07 0.08 0.15 NA's
 1 4 1 2 582

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.8.da
 2 5 9 21 NA's
 1 2 4 1 582

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.8.is
 no NA's
 8 582

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.8.mo
 1 2 9 12 NA's
 1 1 4 2 582

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.8.pl
 1 2 4 NA's
 2 4 2 582

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.8.pl
 1525 2069 a324 a46a NA's
 1 2 4 1 582

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0.350	1.000	1.400	1.394	1.450	3.000	582

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.8.so
 22 23 NA's
 3 5 582

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.8.vo
 5 6.67 20 60 NA's

1 2 4 1 582

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.8.ye
2011 2013 2015 NA's
3 4 1 582

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.9.bo
tcga-13-1489-02a-01d-2069-01 NA's
1 589

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.9.bo
ea12bb70-f529-4ed7-bcd1-690045a5ef99 NA's
1 589

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.9.bi
121031688 NA's
1 589

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.9.ce
1 NA's
1 589

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.9.co
0.15 NA's
1 589

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.9.da
5 NA's
1 589

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.9.is
no NA's
1 589

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.9.mo
12 NA's
1 589

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.9.pl
1 NA's
1 589

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.9.pl
2069 NA's
1 589

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.9.pl
b NA's
1 589

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.9.qu
1 NA's

1 589

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.9.so

22 NA's

1 589

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.9.vo

6.67 NA's

1 589

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.9.ye

2011 NA's

1 589

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.bios

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
85090863	97529712	97529757	105591040	97529790	167780537	519

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.cent

1 NA's

578 12

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.conc

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0.1200	0.1400	0.1500	0.1613	0.1600	0.5000	12

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.day_

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
3.0	9.0	15.0	16.2	23.0	28.0	12

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.is_d

no NA's

578 12

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.mont

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1.000	3.000	6.000	6.491	10.000	12.000	12

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.plat

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1.000	7.000	9.000	8.548	10.000	12.000	12

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.quant

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0.800	0.940	1.010	6.177	1.070	200.000	12

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.sour

22 23 NA's

```

568  10  12

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.volum
5.9  6.7  400 NA's
37  526  15  12

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.year
2008 2009 2010 2014 NA's
73  434  61  10  12

patient.samples.sample.2.portions.portion.analytes.analyte.amount:
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.   NA's
  0.00   0.00  10.65   87.07  87.97  910.97    12

patient.samples.sample.2.portions.portion.analytes.analyte.analyte_type:
dna NA's
578  12

patient.samples.sample.2.portions.portion.analytes.analyte.analyte_type_id:
d NA's
578  12

patient.samples.sample.2.portions.portion.analytes.analyte.concentration:
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.   NA's
0.1200 0.1400  0.1500  0.1522  0.1600  0.2100    12

patient.samples.sample.2.portions.portion.analytes.analyte.dna.normal_tumor_genom
yes NA's
578  12

patient.samples.sample.2.portions.portion.analytes.analyte.dna.pcr_amplification
no yes NA's
15  563  12

patient.samples.sample.2.portions.portion.analytes.analyte.gel_image_file:
https://sharedoc.nchri.org/tcga-bcr/default.aspx
578
NA's
12

patient.samples.sample.2.portions.portion.analytes.analyte.is_derived_from_ffpe:
no NA's
578  12

patient.samples.sample.2.portions.portion.analytes.analyte.protocols.protocol.ex
adna preparation type    chemical lysis dna extraction
44                                332
pre-extracted dna received by tss    NA's
202                                12

```

```

patient.samples.sample.2.portions.portion.analytes.analyte.spectrophotometer_met
picogreen    uv spec      NA's
           10           568           12

```

```

patient.samples.sample.2.portions.portion.day_of_creation:
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.   NA's
  1.00  14.00   14.00   15.65  17.00   30.00    10

```

```

patient.samples.sample.2.portions.portion.is_ffpe:
  no NA's
  580   10

```

```

patient.samples.sample.2.portions.portion.month_of_creation:
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.   NA's
  1.000   7.000   7.000   6.712   7.000   12.000    10

```

```

patient.samples.sample.2.portions.portion.portion_number:
  1    2 NA's
  579  1   10

```

```

patient.samples.sample.2.portions.portion.portion_sequence:
  1 NA's
  10  580

```

```

patient.samples.sample.2.portions.portion.slides.slide.2.is_derived_from_ffpe:
  no NA's
  78  512

```

```

patient.samples.sample.2.portions.portion.slides.slide.2.percent_lymphocyte_infi
  1 NA's
  1  589

```

```

patient.samples.sample.2.portions.portion.slides.slide.2.percent_monocyte_infilt
  0 NA's
  1  589

```

```

patient.samples.sample.2.portions.portion.slides.slide.2.percent_necrosis:
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.   NA's
  0.000  0.000   2.000   5.235  10.000   20.000   573

```

```

patient.samples.sample.2.portions.portion.slides.slide.2.percent_neutrophil_infi
  0 NA's
  1  589

```

```

patient.samples.sample.2.portions.portion.slides.slide.2.percent_normal_cells:
  0    1 NA's
  16   1  573

```

patient.samples.sample.2.portions.portion.slides.slide.2.percent_stromal_cells:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 0.00 5.00 10.00 15.76 25.00 40.00 573

patient.samples.sample.2.portions.portion.slides.slide.2.percent_tumor_cells:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 50.00 70.00 80.00 78.25 90.00 95.00 574

patient.samples.sample.2.portions.portion.slides.slide.2.percent_tumor_nuclei:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 75.00 85.00 90.00 87.94 90.00 95.00 573

patient.samples.sample.2.portions.portion.slides.slide.2.section_location:
 bottom top NA's
 1 77 512

patient.samples.sample.2.portions.portion.slides.slide.is_derived_from_ffpe:
 no NA's
 109 481

patient.samples.sample.2.portions.portion.slides.slide.percent_lymphocyte_infiltration:
 1 NA's
 1 589

patient.samples.sample.2.portions.portion.slides.slide.percent_monocyte_infiltration:
 0 NA's
 1 589

patient.samples.sample.2.portions.portion.slides.slide.percent_necrosis:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 0.000 0.000 5.000 5.412 10.000 20.000 573

patient.samples.sample.2.portions.portion.slides.slide.percent_neutrophil_infiltration:
 0 NA's
 1 589

patient.samples.sample.2.portions.portion.slides.slide.percent_normal_cells:
 0 1 NA's
 16 1 573

patient.samples.sample.2.portions.portion.slides.slide.percent_stromal_cells:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 0.00 5.00 10.00 13.53 20.00 30.00 573

patient.samples.sample.2.portions.portion.slides.slide.percent_tumor_cells:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 50.00 74.75 80.00 79.81 90.00 94.00 574

patient.samples.sample.2.portions.portion.slides.slide.percent_tumor_nuclei:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 70.00 85.00 90.00 87.35 90.00 95.00 573

patient.samples.sample.2.portions.portion.slides.slide.section_location:
 bottom top NA's
 77 32 481

patient.samples.sample.2.portions.portion.weight:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 2.0 97.5 113.0 110.4 134.5 174.0 459

patient.samples.sample.2.portions.portion.year_of_creation:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 2008 2009 2011 2010 2011 2014 10

patient.samples.sample.2.portions.shipment_portion.center_id:
 20 NA's
 7 583

patient.samples.sample.2.portions.shipment_portion.is_ffpe:
 no NA's
 7 583

patient.samples.sample.2.portions.shipment_portion.plate_id:
 2189 NA's
 7 583

patient.samples.sample.2.portions.shipment_portion.portion_number:
 21 31 NA's
 5 2 583

patient.samples.sample.2.portions.shipment_portion.shipment_portion_day_of_shipment:
 5 NA's
 7 583

patient.samples.sample.2.portions.shipment_portion.shipment_portion_month_of_shipment:
 3 NA's
 7 583

patient.samples.sample.2.portions.shipment_portion.shipment_portion_year_of_shipment:
 2012 NA's
 7 583

patient.samples.sample.2.sample_type:
 blood derived normal primary tumor recurrent tumor
 442 5 12
 solid tissue normal NA's
 121 10

patient.samples.sample.2.sample_type_id:

1	2	10	11	NA's
5	12	442	121	10

patient.samples.sample.2.shortest_dimension:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0.1000	0.2000	0.3000	0.3103	0.4000	0.7000	464

patient.samples.sample.2.vial_number:

a	b	c	r	NA's
554	20	5	1	10

patient.samples.sample.3.intermediate_dimension:

0.4	0.7	0.8	NA's
2	1	1	586

patient.samples.sample.3.is_ffpe:

no NA's	
17	573

patient.samples.sample.3.longest_dimension:

0.8	1	1.1	1.5	NA's
1	1	1	1	586

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.2.

97530695	NA's
1	589

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.2.

8	9	NA's
4	1	585

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.2.

0.5	NA's
5	585

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.2.

2	12	16	NA's
1	1	3	585

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.2.

no NA's	
5	585

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.2.

7	9	12	NA's
1	3	1	585

```

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.2.
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.   NA's
    1.0    5.0    8.0    7.4   11.0   12.0   585

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.2.
  631  632  699 1092 NA's
    2    1    1    1  585

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.2.
  a    b    e    f NA's
    2    1    1    1  585

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.2.
  30  200 NA's
    2    3  585

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.2.
  22 NA's
    5  585

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.2.
  60  400 NA's
    2    3  585

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.2.
  2009 2010 NA's
     4    1  585

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.3.
  97545695    NA's
           1    589

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.3.
  9  10 NA's
  4    1  585

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.3.
  0.5 NA's
    5  585

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.3.
  2  12  16 NA's
  1    1    3  585

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.3.
  no NA's
    5  585

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.3.
  7    9  12 NA's

```



```

1      3      1  585

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.3.
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.   NA's
  1.0    5.0    8.0    7.4   11.0   12.0   585

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.3.
633  634  701 1094 NA's
  2    1    1    1  585

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.3.
  a    b    e    f NA's
  2    1    1    1  585

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.3.
30  200 NA's
  2    3  585

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.3.
22 NA's
  5  585

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.3.
60  400 NA's
  2    3  585

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.3.
2009 2010 NA's
  4    1  585

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.4.
tcga-10-0925-11a-01w-0894-08 tcga-29-1705-10a-01w-0927-10
                                1                                1
tcga-29-1710-10a-01w-0927-10 tcga-29-1770-10a-01w-0927-10
                                1                                1
                                NA's
                                586

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.4.
14bd9268-cfaf-4cba-82fd-d3f8caea6821 1a07af71-9c81-4aff-8fa1-8c45bf2e2935
                                1                                1
200309f4-12ac-404f-b7a3-92e807bf4186 690e2175-28d0-4644-876e-21d649546bf2
                                1                                1
                                NA's
                                586

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.4.
97512753 97512765 97512789 97515583      NA's
          1          1          1          1      586

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.4.
  8    10 NA's

```

```

1      3  586

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.4.
0.5 NA's
4  586

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.4.
7   19 NA's
1   3  586

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.4.
no NA's
4  586

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.4.
4 NA's
4  586

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.4.
6   7   8 NA's
1   2   1  586

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.4.
894  927 NA's
1   3  586

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.4.
a   b   d   e NA's
1   1   1   1  586

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.4.
0.5  10  11  13 NA's
1   1   1   1  586

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.4.
22 NA's
4  586

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.4.
1  20  22  26 NA's
1   1   1   1  586

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.4.
2010 NA's
4  586

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.bi
97545521      NA's
1           589

```

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.ce
 8 9 10 NA's
 1 12 4 573

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.co
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 0.0500 0.2000 0.2500 0.2906 0.5000 0.5000 573

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.da
 2 6 12 16 NA's
 1 12 1 3 573

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.is
 no NA's
 17 573

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.mo
 7 9 10 12 NA's
 1 3 12 1 573

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.pl
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 1.000 8.000 10.000 8.823 11.000 12.000 573

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.pl
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 629 1090 1308 1142 1316 1318 573

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.qu
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 8.65 13.28 19.18 50.23 30.00 200.00 573

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.sc
 22 NA's
 17 573

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.vo
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 46.1 60.0 79.4 143.3 173.0 400.0 573

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.ye
 2009 2010 NA's
 4 13 573

patient.samples.sample.3.portions.portion.analytes.analyte.2.amount:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 0.00 1.00 41.00 56.89 94.90 126.90 573

patient.samples.sample.3.portions.portion.analytes.analyte.2.analyte_type:
 genomeplex (rubicon) amplified dna repli-g (qiagen) dna
 12 5

NA's
573

patient.samples.sample.3.portions.portion.analytes.analyte.2.analyte_type_id:
g w NA's
12 5 573

patient.samples.sample.3.portions.portion.analytes.analyte.2.concentration:
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
0.0500 0.2000 0.2500 0.2906 0.5000 0.5000 573

patient.samples.sample.3.portions.portion.analytes.analyte.2.dna.normal_tumor_ge
yes NA's
17 573

patient.samples.sample.3.portions.portion.analytes.analyte.2.dna.pcr_amplificati
no NA's
17 573

patient.samples.sample.3.portions.portion.analytes.analyte.2.gel_image_file:
<https://sharedoc.nchri.org/tcga-bcr/default.aspx>
17
NA's
573

patient.samples.sample.3.portions.portion.analytes.analyte.2.is_derived_from_ffp
no NA's
17 573

patient.samples.sample.3.portions.portion.analytes.analyte.2.protocols.protocol.
genomplex repli-g NA's
12 5 573

patient.samples.sample.3.portions.portion.analytes.analyte.2.spectrophotometer_m
uv spec NA's
17 573

patient.samples.sample.3.portions.portion.analytes.analyte.3.aliquots.aliquot.2.
91290857 97529667 NA's
1 1 588

patient.samples.sample.3.portions.portion.analytes.analyte.3.aliquots.aliquot.2.
8 9 10 NA's
7 1 1 581

patient.samples.sample.3.portions.portion.analytes.analyte.3.aliquots.aliquot.2.
0.5 NA's
9 581

patient.samples.sample.3.portions.portion.analytes.analyte.3.aliquots.aliquot.2.

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
6.00	10.00	16.00	19.11	31.00	31.00	581

patient.samples.sample.3.portions.portion.analytes.analyte.3.aliquots.aliquot.2.

no NA's
9 581

patient.samples.sample.3.portions.portion.analytes.analyte.3.aliquots.aliquot.2.

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1.000	3.000	3.000	4.444	7.000	9.000	581

patient.samples.sample.3.portions.portion.analytes.analyte.3.aliquots.aliquot.2.

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
8.000	8.000	10.000	9.889	11.000	12.000	581

patient.samples.sample.3.portions.portion.analytes.analyte.3.aliquots.aliquot.2.

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
371.0	486.0	492.0	591.4	631.0	1091.0	581

patient.samples.sample.3.portions.portion.analytes.analyte.3.aliquots.aliquot.2.

30 200 NA's
2 7 581

patient.samples.sample.3.portions.portion.analytes.analyte.3.aliquots.aliquot.2.

22 NA's
9 581

patient.samples.sample.3.portions.portion.analytes.analyte.3.aliquots.aliquot.2.

60 400 NA's
2 7 581

patient.samples.sample.3.portions.portion.analytes.analyte.3.aliquots.aliquot.2.

2008 2009 2010 NA's
1 6 2 581

patient.samples.sample.3.portions.portion.analytes.analyte.3.aliquots.aliquot.3.

91289991 97545574 NA's
1 1 588

patient.samples.sample.3.portions.portion.analytes.analyte.3.aliquots.aliquot.3.

9 10 NA's
8 1 581

patient.samples.sample.3.portions.portion.analytes.analyte.3.aliquots.aliquot.3.

0.5 NA's
9 581

patient.samples.sample.3.portions.portion.analytes.analyte.3.aliquots.aliquot.3.
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 6.00 10.00 16.00 19.11 31.00 31.00 581

patient.samples.sample.3.portions.portion.analytes.analyte.3.aliquots.aliquot.3.
 no NA's
 9 581

patient.samples.sample.3.portions.portion.analytes.analyte.3.aliquots.aliquot.3.
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 1.000 3.000 3.000 4.444 7.000 9.000 581

patient.samples.sample.3.portions.portion.analytes.analyte.3.aliquots.aliquot.3.
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 8.000 8.000 10.000 9.889 11.000 12.000 581

patient.samples.sample.3.portions.portion.analytes.analyte.3.aliquots.aliquot.3.
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 372.0 488.0 494.0 593.2 633.0 1093.0 581

patient.samples.sample.3.portions.portion.analytes.analyte.3.aliquots.aliquot.3.
 30 200 NA's
 2 7 581

patient.samples.sample.3.portions.portion.analytes.analyte.3.aliquots.aliquot.3.
 22 NA's
 9 581

patient.samples.sample.3.portions.portion.analytes.analyte.3.aliquots.aliquot.3.
 60 400 NA's
 2 7 581

patient.samples.sample.3.portions.portion.analytes.analyte.3.aliquots.aliquot.3.
 2008 2009 2010 NA's
 1 6 2 581

patient.samples.sample.3.portions.portion.analytes.analyte.3.aliquots.aliquot.4.
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 97512729 97512740 97512752 97512758 97512774 97512801 584

patient.samples.sample.3.portions.portion.analytes.analyte.3.aliquots.aliquot.4.
 10 NA's
 6 584

patient.samples.sample.3.portions.portion.analytes.analyte.3.aliquots.aliquot.4.
 0.5 NA's
 6 584

patient.samples.sample.3.portions.portion.analytes.analyte.3.aliquots.aliquot.4.

19 NA's
6 584

patient.samples.sample.3.portions.portion.analytes.analyte.3.aliquots.aliquot.4.
no NA's
6 584

patient.samples.sample.3.portions.portion.analytes.analyte.3.aliquots.aliquot.4.
4 NA's
6 584

patient.samples.sample.3.portions.portion.analytes.analyte.3.aliquots.aliquot.4.
5 6 7 NA's
2 3 1 584

patient.samples.sample.3.portions.portion.analytes.analyte.3.aliquots.aliquot.4.
927 NA's
6 584

patient.samples.sample.3.portions.portion.analytes.analyte.3.aliquots.aliquot.4.
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
10.00 12.50 13.00 13.58 14.25 18.50 584

patient.samples.sample.3.portions.portion.analytes.analyte.3.aliquots.aliquot.4.
22 NA's
6 584

patient.samples.sample.3.portions.portion.analytes.analyte.3.aliquots.aliquot.4.
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
20.00 25.00 26.00 27.17 28.50 37.00 584

patient.samples.sample.3.portions.portion.analytes.analyte.3.aliquots.aliquot.4.
2010 NA's
6 584

patient.samples.sample.3.portions.portion.analytes.analyte.3.aliquots.aliquot.bi
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
91290547 98276062 100515936 98481774 100518892 100518913 584

patient.samples.sample.3.portions.portion.analytes.analyte.3.aliquots.aliquot.ce
8 10 NA's
6 7 577

patient.samples.sample.3.portions.portion.analytes.analyte.3.aliquots.aliquot.co
0.5 NA's
13 577

patient.samples.sample.3.portions.portion.analytes.analyte.3.aliquots.aliquot.da
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's

1.00 1.00 10.00 13.54 27.00 31.00 577

patient.samples.sample.3.portions.portion.analytes.analyte.3.aliquots.aliquot.is
no NA's
13 577

patient.samples.sample.3.portions.portion.analytes.analyte.3.aliquots.aliquot.mo
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
1.000 3.000 7.000 5.846 9.000 9.000 577

patient.samples.sample.3.portions.portion.analytes.analyte.3.aliquots.aliquot.pl
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
8.000 8.000 10.000 9.769 11.000 12.000 577

patient.samples.sample.3.portions.portion.analytes.analyte.3.aliquots.aliquot.pl
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
370.0 484.0 629.0 782.5 1215.0 1217.0 577

patient.samples.sample.3.portions.portion.analytes.analyte.3.aliquots.aliquot.qu
30 40 200 NA's
2 4 7 577

patient.samples.sample.3.portions.portion.analytes.analyte.3.aliquots.aliquot.so
22 NA's
13 577

patient.samples.sample.3.portions.portion.analytes.analyte.3.aliquots.aliquot.vo
60 80 400 NA's
2 4 7 577

patient.samples.sample.3.portions.portion.analytes.analyte.3.aliquots.aliquot.ye
2008 2009 2010 NA's
1 6 6 577

patient.samples.sample.3.portions.portion.analytes.analyte.3.amount:
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
0.0 82.0 153.0 175.6 274.2 386.9 577

patient.samples.sample.3.portions.portion.analytes.analyte.3.analyte_type:
repli-g (qiagen) dna NA's
13 577

patient.samples.sample.3.portions.portion.analytes.analyte.3.analyte_type_id:
w NA's
13 577

patient.samples.sample.3.portions.portion.analytes.analyte.3.concentration:
0.5 NA's
13 577


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patient.samples.sample.3.portions.portion.analytes.analyte.3.dna.normal_tumor_ge
yes NA's
13 577

patient.samples.sample.3.portions.portion.analytes.analyte.3.dna.pcr_amplificati
no NA's
13 577

patient.samples.sample.3.portions.portion.analytes.analyte.3.gel_image_file:
https://sharedoc.nchri.org/tcga-bcr/default.aspx
13
NA's
577

patient.samples.sample.3.portions.portion.analytes.analyte.3.is_derived_from_ffp
no NA's
13 577

patient.samples.sample.3.portions.portion.analytes.analyte.3.protocols.protocol.
repli-g NA's
13 577

patient.samples.sample.3.portions.portion.analytes.analyte.3.spectrophotometer_m
uv spec NA's
13 577

patient.samples.sample.3.portions.portion.analytes.analyte.4.aliquots.aliquot.2.
tcga-09-2055-10a-01w-0799-08 tcga-61-2008-11a-01w-0722-08
1 1
tcga-61-2095-11a-01w-0723-08 NA's
1 587

patient.samples.sample.3.portions.portion.analytes.analyte.4.aliquots.aliquot.2.
4df7e671-6a1f-4e16-b710-e030fbb819cf e223cf7e-fff7-4b09-bb3d-df9dd9c64da6
1 1
ef06ee0a-f02a-4d61-a0bc-b6d85c7514ac NA's
1 587

patient.samples.sample.3.portions.portion.analytes.analyte.4.aliquots.aliquot.2.
91291895 NA's
1 589

patient.samples.sample.3.portions.portion.analytes.analyte.4.aliquots.aliquot.2.
8 NA's
3 587

patient.samples.sample.3.portions.portion.analytes.analyte.4.aliquots.aliquot.2.
0.5 NA's
3 587

patient.samples.sample.3.portions.portion.analytes.analyte.4.aliquots.aliquot.2.

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```

16 27 NA's
2 1 587

patient.samples.sample.3.portions.portion.analytes.analyte.4.aliquots.aliquot.2.
no NA's
3 587

patient.samples.sample.3.portions.portion.analytes.analyte.4.aliquots.aliquot.2.
1 12 NA's
1 2 587

patient.samples.sample.3.portions.portion.analytes.analyte.4.aliquots.aliquot.2.
1 8 11 NA's
1 1 1 587

patient.samples.sample.3.portions.portion.analytes.analyte.4.aliquots.aliquot.2.
722 723 799 NA's
1 1 1 587

patient.samples.sample.3.portions.portion.analytes.analyte.4.aliquots.aliquot.2.
b e g NA's
1 1 1 587

patient.samples.sample.3.portions.portion.analytes.analyte.4.aliquots.aliquot.2.
30 NA's
3 587

patient.samples.sample.3.portions.portion.analytes.analyte.4.aliquots.aliquot.2.
22 NA's
3 587

patient.samples.sample.3.portions.portion.analytes.analyte.4.aliquots.aliquot.2.
60 NA's
3 587

patient.samples.sample.3.portions.portion.analytes.analyte.4.aliquots.aliquot.2.
2009 2010 NA's
2 1 587

patient.samples.sample.3.portions.portion.analytes.analyte.4.aliquots.aliquot.3.
tcga-09-2055-10a-01w-0801-09 tcga-61-2008-11a-01w-0724-09
1 1
tcga-61-2095-11a-01w-0725-09 NA's
1 587

patient.samples.sample.3.portions.portion.analytes.analyte.4.aliquots.aliquot.3.
0e27b5b1-a252-4641-8c12-ad5ac65ef392 27c1957a-d92a-4ca4-849a-a9e83a758d96
1 1
2ce213aa-4a41-4f41-8057-4679ad3c33ca NA's
1 587

patient.samples.sample.3.portions.portion.analytes.analyte.4.aliquots.aliquot.3.

```

91290263 NA's
 1 589

patient.samples.sample.3.portions.portion.analytes.analyte.4.aliquots.aliquot.3.
 9 NA's
 3 587

patient.samples.sample.3.portions.portion.analytes.analyte.4.aliquots.aliquot.3.
 0.5 NA's
 3 587

patient.samples.sample.3.portions.portion.analytes.analyte.4.aliquots.aliquot.3.
 16 27 NA's
 2 1 587

patient.samples.sample.3.portions.portion.analytes.analyte.4.aliquots.aliquot.3.
 no NA's
 3 587

patient.samples.sample.3.portions.portion.analytes.analyte.4.aliquots.aliquot.3.
 1 12 NA's
 1 2 587

patient.samples.sample.3.portions.portion.analytes.analyte.4.aliquots.aliquot.3.
 1 8 11 NA's
 1 1 1 587

patient.samples.sample.3.portions.portion.analytes.analyte.4.aliquots.aliquot.3.
 724 725 801 NA's
 1 1 1 587

patient.samples.sample.3.portions.portion.analytes.analyte.4.aliquots.aliquot.3.
 b e g NA's
 1 1 1 587

patient.samples.sample.3.portions.portion.analytes.analyte.4.aliquots.aliquot.3.
 30 NA's
 3 587

patient.samples.sample.3.portions.portion.analytes.analyte.4.aliquots.aliquot.3.
 22 NA's
 3 587

patient.samples.sample.3.portions.portion.analytes.analyte.4.aliquots.aliquot.3.
 60 NA's
 3 587

patient.samples.sample.3.portions.portion.analytes.analyte.4.aliquots.aliquot.3.
 2009 2010 NA's
 2 1 587

patient.samples.sample.3.portions.portion.analytes.analyte.4.aliquots.aliquot.4.

tcga-61-2008-11a-01w-0927-10 tcga-61-2095-11a-01w-0927-10
 1 1
 NA's
 588

patient.samples.sample.3.portions.portion.analytes.analyte.4.aliquots.aliquot.4.
 62b7fcde-e810-42cd-b1dc-ba85d169f984 8e492611-d1ff-4ff0-96c7-4cdabd486b56
 1 1
 NA's
 588

patient.samples.sample.3.portions.portion.analytes.analyte.4.aliquots.aliquot.4.
 97512128 97512799 NA's
 1 1 588

patient.samples.sample.3.portions.portion.analytes.analyte.4.aliquots.aliquot.4.
 10 NA's
 2 588

patient.samples.sample.3.portions.portion.analytes.analyte.4.aliquots.aliquot.4.
 0.5 NA's
 2 588

patient.samples.sample.3.portions.portion.analytes.analyte.4.aliquots.aliquot.4.
 19 NA's
 2 588

patient.samples.sample.3.portions.portion.analytes.analyte.4.aliquots.aliquot.4.
 no NA's
 2 588

patient.samples.sample.3.portions.portion.analytes.analyte.4.aliquots.aliquot.4.
 4 NA's
 2 588

patient.samples.sample.3.portions.portion.analytes.analyte.4.aliquots.aliquot.4.
 8 NA's
 2 588

patient.samples.sample.3.portions.portion.analytes.analyte.4.aliquots.aliquot.4.
 927 NA's
 2 588

patient.samples.sample.3.portions.portion.analytes.analyte.4.aliquots.aliquot.4.
 a c NA's
 1 1 588

patient.samples.sample.3.portions.portion.analytes.analyte.4.aliquots.aliquot.4.
 10 NA's
 2 588

patient.samples.sample.3.portions.portion.analytes.analyte.4.aliquots.aliquot.4.


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720 721 797 NA's
  1  1  1  587

patient.samples.sample.3.portions.portion.analytes.analyte.4.aliquots.aliquot.pl
  b  e  g NA's
  1  1  1  587

patient.samples.sample.3.portions.portion.analytes.analyte.4.aliquots.aliquot.qu
  30 NA's
  3  587

patient.samples.sample.3.portions.portion.analytes.analyte.4.aliquots.aliquot.so
  22 NA's
  3  587

patient.samples.sample.3.portions.portion.analytes.analyte.4.aliquots.aliquot.vo
  60 NA's
  3  587

patient.samples.sample.3.portions.portion.analytes.analyte.4.aliquots.aliquot.ye
2009 2010 NA's
  2  1  587

patient.samples.sample.3.portions.portion.analytes.analyte.4.amount:
  0 NA's
  3  587

patient.samples.sample.3.portions.portion.analytes.analyte.4.analyte_type:
repli-g (qiagen) dna NA's
                   3  587

patient.samples.sample.3.portions.portion.analytes.analyte.4.analyte_type_id:
  w NA's
  3  587

patient.samples.sample.3.portions.portion.analytes.analyte.4.bcr_analyte_barcode
tcga-09-2055-10a-01w tcga-61-2008-11a-01w tcga-61-2095-11a-01w
                   1 1 1
                   NA's
                   587

patient.samples.sample.3.portions.portion.analytes.analyte.4.bcr_analyte_uuid:
171c93ec-1f1a-4408-ab73-f0b952382609 d63131d2-c986-4783-b922-5e6f544d76aa
                                     1 1
f3641881-d801-4efc-ae76-53e340a7929b NA's
                                     1 587

patient.samples.sample.3.portions.portion.analytes.analyte.4.concentration:
  0.5 NA's
  3  587

patient.samples.sample.3.portions.portion.analytes.analyte.4.dna.normal_tumor_ge

```

```

yes NA's
  3  587

patient.samples.sample.3.portions.portion.analytes.analyte.4.dna.pcr_amplificati
no NA's
  3  587

patient.samples.sample.3.portions.portion.analytes.analyte.4.gel_image_file:
https://sharedoc.nchri.org/tcga-bcr/default.aspx
                                     3
                                     NA's
                                     587

patient.samples.sample.3.portions.portion.analytes.analyte.4.is_derived_from_ffp
no NA's
  3  587

patient.samples.sample.3.portions.portion.analytes.analyte.4.protocols.protocol.
repli-g    NA's
           3    587

patient.samples.sample.3.portions.portion.analytes.analyte.4.spectrophotometer_m
uv spec    NA's
           3    587

patient.samples.sample.3.portions.portion.analytes.analyte.a260_a280_ratio:
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.    NA's
1.800  1.880   1.900   1.883  1.900   2.000   573

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.2.bi
97530261 98864799    NA's
         1         1    588

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.2.ce
  1    4    6 NA's
  1   12   4  573

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.2.co
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.    NA's
0.1300 0.1400  0.1500  0.1506  0.1600  0.1800   573

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.2.da
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.    NA's
  7.00  14.00  18.00  18.59  26.00  28.00   573

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.2.is
no NA's
 17  573

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.2.mo

```

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1.000	6.000	7.000	6.941	10.000	12.000	573

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.2.pl

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1.000	7.000	10.000	8.647	10.000	11.000	573

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.2.pl

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
357.0	457.0	560.0	608.8	664.0	1135.0	573

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.2.qu

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0.940	2.000	4.010	3.381	4.270	4.540	573

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.2.sc

22 NA's
17 573

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.2.vo

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
6.7	13.3	23.5	26.7	NA's		

1 4 1 11 573

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.2.ye

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
2008	2009	2010	NA's			

2 13 2 573

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.3.bi

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
97526613	98863071	NA's				

1 1 588

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.3.ce

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
4	6	NA's				

5 12 573

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.3.co

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0.1300	0.1400	0.1500	0.1506	0.1600	0.1800	573

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.3.da

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
8.00	14.00	18.00	18.65	26.00	28.00	573

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.3.is

no NA's
17 573

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.3.mo

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's

1.000	6.000	7.000	6.941	10.000	12.000	573
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patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.3.pl

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1.000	7.000	10.000	8.647	10.000	11.000	573

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.3.pl

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
358.0	458.0	561.0	609.8	665.0	1136.0	573

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.3.qu

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1.73	2.00	2.13	2.54	3.47	4.01	573

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.3.sc

22 NA's

17 573

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.3.vo

Min.	1st Qu.	Median	NA's
11.8	13.3	26.7	NA's

1 11 5 573

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.3.ye

2008	2009	2010	NA's
2	13	2	573

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.4.bi

97529589	98887455	NA's
1	1	588

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.4.ce

2	6	NA's
16	1	573

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.4.co

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0.1300	0.1400	0.1500	0.1506	0.1600	0.1800	573

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.4.da

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
7.00	14.00	18.00	18.59	26.00	28.00	573

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.4.is

no NA's

17 573

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.4.mo

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1.000	6.000	7.000	6.941	10.000	12.000	573

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.4.pl

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1.000	7.000	10.000	8.647	10.000	11.000	573

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.4.pl

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
360.0	459.0	562.0	610.9	666.0	1137.0	573

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.4.qu

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1.860	2.800	3.000	2.931	3.200	3.400	573

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.4.sc

22 NA's
17 573

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.4.vo

13.3 17.6 20 NA's
1 1 15 573

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.4.ye

2008 2009 2010 NA's
2 13 2 573

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.5.bi

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
97513003	97513025	97513047	97517396	97517085	97531159	578

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.5.ce

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1.000	4.250	12.000	8.643	12.000	12.000	576

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.5.co

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0.1300	0.1400	0.1500	0.1521	0.1600	0.1700	576

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.5.da

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
9.00	19.00	19.00	18.14	19.00	23.00	576

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.5.is

no NA's
14 576

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.5.mo

4 6 10 NA's
10 3 1 576

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.5.pl
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 5.000 6.000 6.500 6.786 7.000 11.000 576

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.5.pl
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 403.0 926.0 926.0 883.3 926.0 1047.0 576

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.5.qu
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 0.530 2.200 6.420 7.031 12.332 16.000 576

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.5.sc
 22 NA's
 14 576

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.5.vo
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 3.33 14.40 47.50 46.23 75.12 100.00 576

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.5.ye
 2008 2009 2010 NA's
 1 1 12 576

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.6.bi
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 9.751e+07 9.785e+07 5.744e+08 5.740e+08 1.050e+09 1.050e+09 584

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.6.ce
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 1.000 8.500 10.000 8.857 11.000 12.000 583

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.6.co
 0.05 0.14 0.17 0.18 NA's
 3 2 1 1 583

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.6.da
 2 9 19 NA's
 3 1 3 583

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.6.is
 no NA's
 7 583

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.6.mo
 2 4 6 12 NA's
 3 2 1 1 583

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.6.pl

1 2 5 6 NA's
2 2 2 1 583

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.6.pl
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
926.0 983.5 1525.0 1367.9 1525.5 2106.0 583

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.6.qu
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
0.000 1.285 3.000 3.754 6.485 7.740 583

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.6.so
22 NA's
7 583

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.6.vo
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
0.00 20.66 42.00 48.48 51.50 153.00 583

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.6.ye
2010 2011 NA's
3 4 583

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.7.bo
tcga-13-0913-10a-01d-1036-01 tcga-13-1489-10a-01d-2082-10
1 1
NA's
588

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.7.bo
9c33b8a7-2507-4f17-9354-01e555ed6a92 dccdd4c9-7c18-4f4e-9c6a-ca1d93491775
1 1
NA's
588

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.7.bi
97531063 1061603901 NA's
1 1 588

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.7.ce
1 10 NA's
1 1 588

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.7.co
0.14 NA's
2 588

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.7.da
9 12 NA's
1 1 588

```

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.7.is
no NA's
2 588

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.7.mo
6 12 NA's
1 1 588

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.7.pl
1 8 NA's
1 1 588

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.7.pl
1036 2082 NA's
1 1 588

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.7.pl
a g NA's
1 1 588

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.7.qu
0.47 0.94 NA's
1 1 588

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.7.so
22 NA's
2 588

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.7.vo
3.33 6.7 NA's
1 1 588

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.7.ye
2010 2011 NA's
1 1 588

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.bios
97529781 98864415 NA's
1 1 588

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.cent
1 NA's
17 573

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.conc
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
0.1300 0.1400 0.1500 0.1718 0.1600 0.5000 573

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.day_
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's

```

7.00 14.00 18.00 18.59 26.00 28.00 573

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.is_d
no NA's
17 573

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.mont
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
1.000 6.000 7.000 6.941 10.000 12.000 573

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.plat
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
1.000 7.000 10.000 8.588 10.000 11.000 573

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.plat
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
356.0 452.0 559.0 607.6 663.0 1134.0 573

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.quant
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
0.87 0.94 1.01 12.71 1.07 200.00 573

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.sour
22 NA's
17 573

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.vol
5.9 6.7 400 NA's
1 15 1 573

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.year
2008 2009 2010 NA's
2 13 2 573

patient.samples.sample.3.portions.portion.analytes.analyte.amount:
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
0.0 2.0 6.5 24.2 20.0 152.0 573

patient.samples.sample.3.portions.portion.analytes.analyte.analyte_type:
dna NA's
17 573

patient.samples.sample.3.portions.portion.analytes.analyte.analyte_type_id:
d NA's
17 573

patient.samples.sample.3.portions.portion.analytes.analyte.concentration:
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
0.1300 0.1400 0.1500 0.1506 0.1600 0.1800 573

patient.samples.sample.3.portions.portion.analytes.analyte.dna.normal_tumor_genome
 yes NA's
 17 573

patient.samples.sample.3.portions.portion.analytes.analyte.dna.pcr_amplification
 yes NA's
 17 573

patient.samples.sample.3.portions.portion.analytes.analyte.gel_image_file:
<https://sharedoc.nchri.org/tcga-bcr/default.aspx>
 17
 NA's
 573

patient.samples.sample.3.portions.portion.analytes.analyte.is_derived_from_ffpe:
 no NA's
 17 573

patient.samples.sample.3.portions.portion.analytes.analyte.protocols.protocol.experimental_protocol
 chemical lysis dna extraction pre-extracted dna received by tss
 10 7
 NA's
 573

patient.samples.sample.3.portions.portion.analytes.analyte.spectrophotometer_measurement
 uv spec NA's
 17 573

patient.samples.sample.3.portions.portion.day_of_creation:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 13.00 14.00 14.00 18.06 19.00 30.00 573

patient.samples.sample.3.portions.portion.is_ffpe:
 no NA's
 17 573

patient.samples.sample.3.portions.portion.month_of_creation:
 7 8 9 11 NA's
 11 3 1 2 573

patient.samples.sample.3.portions.portion.portion_number:
 1 NA's
 17 573

patient.samples.sample.3.portions.portion.portion_sequence:
 1 NA's
 1 589

patient.samples.sample.3.portions.portion.slides.slide.2.bcr_slide_barcode:

```

tcga-04-1644-11a-01-ts1 tcga-61-2008-11a-01-ts1 tcga-61-2095-11a-01-ts1
                        1                        1                        1
tcga-61-2610-11a-01-ts1                        NA's
                        1                        586

patient.samples.sample.3.portions.portion.slides.slide.2.bcr_slide_uuid:
7d627c98-07a7-4238-aeb9-aa43b96a54bc 90174e79-36f4-4f1f-a1c2-357161dd09cb
                        1                        1
c12713fe-c9a2-47e0-a941-261f7536fbbc fd64789b-5cb2-4e23-8a07-558207cc70d4
                        1                        1
                        NA's
                        586

patient.samples.sample.3.portions.portion.slides.slide.2.image_file_name:
tcga-04-1644-11a-01-ts1.c12713fe-c9a2-47e0-a941-261f7536fbbc.svs
                        1
tcga-61-2008-11a-01-ts1.7d627c98-07a7-4238-aeb9-aa43b96a54bc.svs
                        1
tcga-61-2095-11a-01-ts1.fd64789b-5cb2-4e23-8a07-558207cc70d4.svs
                        1
tcga-61-2610-11a-01-ts1.90174e79-36f4-4f1f-a1c2-357161dd09cb.svs
                        1
                        NA's
                        586

patient.samples.sample.3.portions.portion.slides.slide.2.is_derived_from_ffpe:
no NA's
4 586

patient.samples.sample.3.portions.portion.slides.slide.2.section_location:
top NA's
4 586

patient.samples.sample.3.portions.portion.slides.slide.bcr_slide_barcode:
tcga-04-1644-11a-01-bs1 tcga-61-2008-11a-01-bs1 tcga-61-2095-11a-01-bs1
                        1                        1                        1
tcga-61-2610-11a-01-bs1                        NA's
                        1                        586

patient.samples.sample.3.portions.portion.slides.slide.bcr_slide_uuid:
33c7e0e1-7a2a-4964-835a-ad17c0061da1 49ff86b0-b714-4c97-8556-64f6e4e60128
                        1                        1
bf371520-600a-4644-8f73-792b4bbbefb9 e47fe9c6-94a0-43c5-bee2-d3d8844fd7b6
                        1                        1
                        NA's
                        586

patient.samples.sample.3.portions.portion.slides.slide.image_file_name:
tcga-04-1644-11a-01-bs1.33c7e0e1-7a2a-4964-835a-ad17c0061da1.svs
                        1
tcga-61-2008-11a-01-bs1.49ff86b0-b714-4c97-8556-64f6e4e60128.svs
                        1

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tcga-61-2095-11a-01-bs1.bf371520-600a-4644-8f73-792b4bbbefb9.svs
1
tcga-61-2610-11a-01-bs1.e47fe9c6-94a0-43c5-bee2-d3d8844fd7b6.svs
1
NA's
586

patient.samples.sample.3.portions.portion.slides.slide.is_derived_from_ffpe:
no NA's
4 586

patient.samples.sample.3.portions.portion.slides.slide.section_location:
bottom NA's
4 586

patient.samples.sample.3.portions.portion.weight:
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
1 20 120 84 133 146 585

patient.samples.sample.3.portions.portion.year_of_creation:
2009 2011 2012 NA's
6 10 1 573

patient.samples.sample.3.sample_type:
blood derived normal solid tissue normal NA's
12 5 573

patient.samples.sample.3.sample_type_id:
10 11 NA's
12 5 573

patient.samples.sample.3.shortest_dimension:
0.1 0.3 0.4 NA's
1 2 1 586

patient.samples.sample.3.vial_number:
a b NA's
16 1 573

patient.samples.sample.days_to_collection:
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
11.0 120.5 320.5 489.2 779.5 1211.0 580

patient.samples.sample.diagnostic_slides.ffpe_slide_uuid.2:
9b58474c-dac0-4d45-b13c-0a1ea9e1bc32 NA's
1 589

patient.samples.sample.initial_weight:
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's

```

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130      215      245      372      385      1040      580

patient.samples.sample.intermediate_dimension:
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.    NA's
0.2000 0.6000  0.8000  0.8795 1.0000  3.0000    20

patient.samples.sample.is_ffpe:
no
590

patient.samples.sample.longest_dimension:
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.    NA's
0.300  1.000  1.300  1.383  1.500  8.000    20

patient.samples.sample.oct_embedded:
false true NA's
  6    4  580

patient.samples.sample.portions.portion.2.analytes.analyte.2.aliquots.aliquot.ce
  7    9 NA's
  2    5  583

patient.samples.sample.portions.portion.2.analytes.analyte.2.aliquots.aliquot.co
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.    NA's
0.0800 0.0850  0.1000  0.1214 0.1450  0.2100    583

patient.samples.sample.portions.portion.2.analytes.analyte.2.aliquots.aliquot.da
  6    27 NA's
  5    2  583

patient.samples.sample.portions.portion.2.analytes.analyte.2.aliquots.aliquot.is
no NA's
  7  583

patient.samples.sample.portions.portion.2.analytes.analyte.2.aliquots.aliquot.mo
  1    10 NA's
  2    5  583

patient.samples.sample.portions.portion.2.analytes.analyte.2.aliquots.aliquot.pl
  1    5 NA's
  5    2  583

patient.samples.sample.portions.portion.2.analytes.analyte.2.aliquots.aliquot.pl
438 1307 1308 NA's
  2    3    2  583

patient.samples.sample.portions.portion.2.analytes.analyte.2.aliquots.aliquot.pl
  b    d    e    f NA's

```

2 2 1 2 583

patient.samples.sample.portions.portion.2.analytes.analyte.2.aliquots.aliquot.qu

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1.00	7.42	13.84	14.29	20.80	28.77	583

patient.samples.sample.portions.portion.2.analytes.analyte.2.aliquots.aliquot.so

22 NA's
7 583

patient.samples.sample.portions.portion.2.analytes.analyte.2.aliquots.aliquot.vo

10 137 173 NA's
2 2 3 583

patient.samples.sample.portions.portion.2.analytes.analyte.2.aliquots.aliquot.ye

2009 2010 NA's
2 5 583

patient.samples.sample.portions.portion.2.analytes.analyte.2.amount:

0 15 36 119 NA's
3 1 2 1 583

patient.samples.sample.portions.portion.2.analytes.analyte.2.analyte_type:

genomeplex (rubicon)	amplified dna	total rna
	5	2
	NA's	
	583	

patient.samples.sample.portions.portion.2.analytes.analyte.2.analyte_type_id:

g t NA's
5 2 583

patient.samples.sample.portions.portion.2.analytes.analyte.2.concentration:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0.0800	0.0850	0.1000	0.1214	0.1450	0.2100	583

patient.samples.sample.portions.portion.2.analytes.analyte.2.dna.normal_tumor_ge

yes NA's
5 585

patient.samples.sample.portions.portion.2.analytes.analyte.2.dna.pcr_amplificati

no NA's
5 585

patient.samples.sample.portions.portion.2.analytes.analyte.2.gel_image_file:

<https://sharedoc.nchri.org/tcga-bcr/default.aspx>
7
NA's
583

patient.samples.sample.portions.portion.2.analytes.analyte.2.is_derived_from_ffp
 no NA's
 7 583

patient.samples.sample.portions.portion.2.analytes.analyte.2.protocols.protocol.
 genomplex total rna NA's
 5 2 583

patient.samples.sample.portions.portion.2.analytes.analyte.2.spectrophotometer_m
 uv spec NA's
 7 583

patient.samples.sample.portions.portion.2.analytes.analyte.3.a260_a280_ratio:
 1.8 NA's
 2 588

patient.samples.sample.portions.portion.2.analytes.analyte.3.aliquots.aliquot.2.
 3 8 NA's
 2 3 585

patient.samples.sample.portions.portion.2.analytes.analyte.3.aliquots.aliquot.2.
 0.15 0.5 NA's
 2 3 585

patient.samples.sample.portions.portion.2.analytes.analyte.3.aliquots.aliquot.2.
 6 22 31 NA's
 1 2 2 585

patient.samples.sample.portions.portion.2.analytes.analyte.3.aliquots.aliquot.2.
 no NA's
 5 585

patient.samples.sample.portions.portion.2.analytes.analyte.3.aliquots.aliquot.2.
 1 3 10 NA's
 1 2 2 585

patient.samples.sample.portions.portion.2.analytes.analyte.3.aliquots.aliquot.2.
 1 4 5 NA's
 3 1 1 585

patient.samples.sample.portions.portion.2.analytes.analyte.3.aliquots.aliquot.2.
 405 420 486 NA's
 2 1 2 585

patient.samples.sample.portions.portion.2.analytes.analyte.3.aliquots.aliquot.2.
 2.51 200 NA's
 2 3 585

patient.samples.sample.portions.portion.2.analytes.analyte.3.aliquots.aliquot.2.

22 NA's
5 585

patient.samples.sample.portions.portion.2.analytes.analyte.3.aliquots.aliquot.2.
16.7 400 NA's
2 3 585

patient.samples.sample.portions.portion.2.analytes.analyte.3.aliquots.aliquot.2.
2008 2009 NA's
2 3 585

patient.samples.sample.portions.portion.2.analytes.analyte.3.aliquots.aliquot.3.
7 9 NA's
2 3 585

patient.samples.sample.portions.portion.2.analytes.analyte.3.aliquots.aliquot.3.
0.15 0.5 NA's
2 3 585

patient.samples.sample.portions.portion.2.analytes.analyte.3.aliquots.aliquot.3.
6 22 31 NA's
1 2 2 585

patient.samples.sample.portions.portion.2.analytes.analyte.3.aliquots.aliquot.3.
no NA's
5 585

patient.samples.sample.portions.portion.2.analytes.analyte.3.aliquots.aliquot.3.
1 3 10 NA's
1 2 2 585

patient.samples.sample.portions.portion.2.analytes.analyte.3.aliquots.aliquot.3.
1 4 5 NA's
3 1 1 585

patient.samples.sample.portions.portion.2.analytes.analyte.3.aliquots.aliquot.3.
406 421 488 NA's
2 1 2 585

patient.samples.sample.portions.portion.2.analytes.analyte.3.aliquots.aliquot.3.
2 200 NA's
2 3 585

patient.samples.sample.portions.portion.2.analytes.analyte.3.aliquots.aliquot.3.
22 NA's
5 585

patient.samples.sample.portions.portion.2.analytes.analyte.3.aliquots.aliquot.3.
13.3 400 NA's

2 3 585

patient.samples.sample.portions.portion.2.analytes.analyte.3.aliquots.aliquot.3.
2008 2009 NA's
2 3 585

patient.samples.sample.portions.portion.2.analytes.analyte.3.aliquots.aliquot.4.
tcga-10-0930-01a-02r-1564-13 tcga-10-0934-01a-02r-1564-13
1 1
tcga-13-0807-01b-02w-1132-09 NA's
1 587

patient.samples.sample.portions.portion.2.analytes.analyte.3.aliquots.aliquot.4.
5b759ce4-2632-4d85-89fe-30a85069e9a8 b34ed0d7-1130-4cc8-b19d-b56c1cd2cc2e
1 1
fadd7d1-b48d-4d86-88fa-d97c2ceb103d NA's
1 587

patient.samples.sample.portions.portion.2.analytes.analyte.3.aliquots.aliquot.4.
98864370 1049968602 1049968626 NA's
1 1 1 587

patient.samples.sample.portions.portion.2.analytes.analyte.3.aliquots.aliquot.4.
9 13 NA's
1 2 587

patient.samples.sample.portions.portion.2.analytes.analyte.3.aliquots.aliquot.4.
0.15 0.5 NA's
2 1 587

patient.samples.sample.portions.portion.2.analytes.analyte.3.aliquots.aliquot.4.
16 21 NA's
2 1 587

patient.samples.sample.portions.portion.2.analytes.analyte.3.aliquots.aliquot.4.
no NA's
3 587

patient.samples.sample.portions.portion.2.analytes.analyte.3.aliquots.aliquot.4.
3 7 NA's
2 1 587

patient.samples.sample.portions.portion.2.analytes.analyte.3.aliquots.aliquot.4.
4 6 NA's
1 2 587

patient.samples.sample.portions.portion.2.analytes.analyte.3.aliquots.aliquot.4.
1132 1564 NA's
1 2 587

patient.samples.sample.portions.portion.2.analytes.analyte.3.aliquots.aliquot.4.
a b c NA's

```
1 1 1 587

patient.samples.sample.portions.portion.2.analytes.analyte.3.aliquots.aliquot.4.
3 40 NA's
2 1 587

patient.samples.sample.portions.portion.2.analytes.analyte.3.aliquots.aliquot.4.
22 NA's
3 587

patient.samples.sample.portions.portion.2.analytes.analyte.3.aliquots.aliquot.4.
20 80 NA's
2 1 587

patient.samples.sample.portions.portion.2.analytes.analyte.3.aliquots.aliquot.4.
2010 2011 NA's
1 2 587

patient.samples.sample.portions.portion.2.analytes.analyte.3.aliquots.aliquot.ce
1 10 NA's
2 3 585

patient.samples.sample.portions.portion.2.analytes.analyte.3.aliquots.aliquot.co
0.15 0.5 NA's
2 3 585

patient.samples.sample.portions.portion.2.analytes.analyte.3.aliquots.aliquot.da
6 22 31 NA's
1 2 2 585

patient.samples.sample.portions.portion.2.analytes.analyte.3.aliquots.aliquot.is
no NA's
5 585

patient.samples.sample.portions.portion.2.analytes.analyte.3.aliquots.aliquot.mo
1 3 10 NA's
1 2 2 585

patient.samples.sample.portions.portion.2.analytes.analyte.3.aliquots.aliquot.pl
1 4 5 NA's
3 1 1 585

patient.samples.sample.portions.portion.2.analytes.analyte.3.aliquots.aliquot.pl
404 419 484 NA's
2 1 2 585

patient.samples.sample.portions.portion.2.analytes.analyte.3.aliquots.aliquot.qu
3 200 NA's
2 3 585
```

```

patient.samples.sample.portions.portion.2.analytes.analyte.3.aliquots.aliquot.so
  22 NA's
  5 585

patient.samples.sample.portions.portion.2.analytes.analyte.3.aliquots.aliquot.vo
  20 400 NA's
  2 3 585

patient.samples.sample.portions.portion.2.analytes.analyte.3.aliquots.aliquot.ye
2008 2009 NA's
  2 3 585

patient.samples.sample.portions.portion.2.analytes.analyte.3.amount:
  Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
158.0 331.0 352.7 331.7 365.6 451.2 585

patient.samples.sample.portions.portion.2.analytes.analyte.3.analyte_type:
repli-g (qiagen) dna rna NA's
                  3      2 585

patient.samples.sample.portions.portion.2.analytes.analyte.3.analyte_type_id:
  r w NA's
  2 3 585

patient.samples.sample.portions.portion.2.analytes.analyte.3.concentration:
0.15 0.5 NA's
  2 3 585

patient.samples.sample.portions.portion.2.analytes.analyte.3.dna.normal_tumor_ge
yes NA's
  3 587

patient.samples.sample.portions.portion.2.analytes.analyte.3.dna.pcr_amplificati
no NA's
  3 587

patient.samples.sample.portions.portion.2.analytes.analyte.3.gel_image_file:
https://sharedoc.nchri.org/tcga-bcr/default.aspx
                                     5
                                     NA's
                                     585

patient.samples.sample.portions.portion.2.analytes.analyte.3.is_derived_from_ffp
no NA's
  5 585

patient.samples.sample.portions.portion.2.analytes.analyte.3.protocols.protocol.
allprep rna extraction repli-g NA's
                  2      3 585

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patient.samples.sample.portions.portion.2.analytes.analyte.3.rna.ratio_28s_18s:
  0.9  1.8 NA's
    1    1  588

patient.samples.sample.portions.portion.2.analytes.analyte.3.rna.rinvalue:
  7.9  9.2 NA's
    1    1  588

patient.samples.sample.portions.portion.2.analytes.analyte.3.spectrophotometer_m
uv spec    NA's
    5      585

patient.samples.sample.portions.portion.2.analytes.analyte.4.aliquots.aliquot.2.
tcga-10-0930-01a-02w-0420-08 tcga-10-0934-01a-02w-0420-08
                                1                                1
                                NA's
                                588

patient.samples.sample.portions.portion.2.analytes.analyte.4.aliquots.aliquot.2.
d9e22b3a-7ae9-4410-8678-b1302c486e1f fa7a9c14-21aa-4462-808b-c8b502088098
                                1                                1
                                NA's
                                588

patient.samples.sample.portions.portion.2.analytes.analyte.4.aliquots.aliquot.2.
  8 NA's
  2  588

patient.samples.sample.portions.portion.2.analytes.analyte.4.aliquots.aliquot.2.
  0.5 NA's
  2  588

patient.samples.sample.portions.portion.2.analytes.analyte.4.aliquots.aliquot.2.
  6 NA's
  2  588

patient.samples.sample.portions.portion.2.analytes.analyte.4.aliquots.aliquot.2.
no NA's
  2  588

patient.samples.sample.portions.portion.2.analytes.analyte.4.aliquots.aliquot.2.
  1 NA's
  2  588

patient.samples.sample.portions.portion.2.analytes.analyte.4.aliquots.aliquot.2.
  5 NA's
  2  588

patient.samples.sample.portions.portion.2.analytes.analyte.4.aliquots.aliquot.2.
420 NA's
  2  588
```

```

patient.samples.sample.portions.portion.2.analytes.analyte.4.aliquots.aliquot.2.
  b   e NA's
  1   1 588

patient.samples.sample.portions.portion.2.analytes.analyte.4.aliquots.aliquot.2.
200 NA's
  2 588

patient.samples.sample.portions.portion.2.analytes.analyte.4.aliquots.aliquot.2.
22 NA's
  2 588

patient.samples.sample.portions.portion.2.analytes.analyte.4.aliquots.aliquot.2.
400 NA's
  2 588

patient.samples.sample.portions.portion.2.analytes.analyte.4.aliquots.aliquot.2.
2009 NA's
  2 588

patient.samples.sample.portions.portion.2.analytes.analyte.4.aliquots.aliquot.3.
tcga-10-0930-01a-02w-0421-09 tcga-10-0934-01a-02w-0421-09
                                1                                1
                                NA's
                                588

patient.samples.sample.portions.portion.2.analytes.analyte.4.aliquots.aliquot.3.
b8562fc7-88ec-4197-ac7c-0c7827755c28 ec98ed86-1d2f-4e54-b2d4-5976469bf0b8
                                1                                1
                                NA's
                                588

patient.samples.sample.portions.portion.2.analytes.analyte.4.aliquots.aliquot.3.
  9 NA's
  2 588

patient.samples.sample.portions.portion.2.analytes.analyte.4.aliquots.aliquot.3.
0.5 NA's
  2 588

patient.samples.sample.portions.portion.2.analytes.analyte.4.aliquots.aliquot.3.
  6 NA's
  2 588

patient.samples.sample.portions.portion.2.analytes.analyte.4.aliquots.aliquot.3.
no NA's
  2 588

patient.samples.sample.portions.portion.2.analytes.analyte.4.aliquots.aliquot.3.
  1 NA's
  2 588

```

patient.samples.sample.portions.portion.2.analytes.analyte.4.aliquots.aliquot.3.
5 NA's
2 588

patient.samples.sample.portions.portion.2.analytes.analyte.4.aliquots.aliquot.3.
421 NA's
2 588

patient.samples.sample.portions.portion.2.analytes.analyte.4.aliquots.aliquot.3.
b e NA's
1 1 588

patient.samples.sample.portions.portion.2.analytes.analyte.4.aliquots.aliquot.3.
200 NA's
2 588

patient.samples.sample.portions.portion.2.analytes.analyte.4.aliquots.aliquot.3.
22 NA's
2 588

patient.samples.sample.portions.portion.2.analytes.analyte.4.aliquots.aliquot.3.
400 NA's
2 588

patient.samples.sample.portions.portion.2.analytes.analyte.4.aliquots.aliquot.3.
2009 NA's
2 588

patient.samples.sample.portions.portion.2.analytes.analyte.4.aliquots.aliquot.4.
tcga-10-0930-01a-02w-0977-09 NA's
1 589

patient.samples.sample.portions.portion.2.analytes.analyte.4.aliquots.aliquot.4.
42a97f19-f920-4186-873d-2d7967abed08 NA's
1 589

patient.samples.sample.portions.portion.2.analytes.analyte.4.aliquots.aliquot.4.
96488833 NA's
1 589

patient.samples.sample.portions.portion.2.analytes.analyte.4.aliquots.aliquot.4.
9 NA's
1 589

patient.samples.sample.portions.portion.2.analytes.analyte.4.aliquots.aliquot.4.
0.5 NA's
1 589

patient.samples.sample.portions.portion.2.analytes.analyte.4.aliquots.aliquot.4.
28 NA's
1 589

patient.samples.sample.portions.portion.2.analytes.analyte.4.aliquots.aliquot.4.
 no NA's
 1 589

patient.samples.sample.portions.portion.2.analytes.analyte.4.aliquots.aliquot.4.
 4 NA's
 1 589

patient.samples.sample.portions.portion.2.analytes.analyte.4.aliquots.aliquot.4.
 1 NA's
 1 589

patient.samples.sample.portions.portion.2.analytes.analyte.4.aliquots.aliquot.4.
 977 NA's
 1 589

patient.samples.sample.portions.portion.2.analytes.analyte.4.aliquots.aliquot.4.
 a NA's
 1 589

patient.samples.sample.portions.portion.2.analytes.analyte.4.aliquots.aliquot.4.
 10 NA's
 1 589

patient.samples.sample.portions.portion.2.analytes.analyte.4.aliquots.aliquot.4.
 22 NA's
 1 589

patient.samples.sample.portions.portion.2.analytes.analyte.4.aliquots.aliquot.4.
 20 NA's
 1 589

patient.samples.sample.portions.portion.2.analytes.analyte.4.aliquots.aliquot.4.
 2010 NA's
 1 589

patient.samples.sample.portions.portion.2.analytes.analyte.4.aliquots.aliquot.bo
 tcga-10-0930-01a-02w-0419-10 tcga-10-0934-01a-02w-0419-10
 1 1
 NA's
 588

patient.samples.sample.portions.portion.2.analytes.analyte.4.aliquots.aliquot.bo
 0fe90554-2041-4723-9811-70dc0a2925d8 e925be78-2505-4750-bc78-ec9c5bd5b380
 1 1
 NA's
 588

patient.samples.sample.portions.portion.2.analytes.analyte.4.aliquots.aliquot.ce
 10 NA's
 2 588

```
patient.samples.sample.portions.portion.2.analytes.analyte.4.aliquots.aliquot.co
0.5 NA's
2 588

patient.samples.sample.portions.portion.2.analytes.analyte.4.aliquots.aliquot.da
6 NA's
2 588

patient.samples.sample.portions.portion.2.analytes.analyte.4.aliquots.aliquot.is
no NA's
2 588

patient.samples.sample.portions.portion.2.analytes.analyte.4.aliquots.aliquot.mo
1 NA's
2 588

patient.samples.sample.portions.portion.2.analytes.analyte.4.aliquots.aliquot.pl
5 NA's
2 588

patient.samples.sample.portions.portion.2.analytes.analyte.4.aliquots.aliquot.pl
419 NA's
2 588

patient.samples.sample.portions.portion.2.analytes.analyte.4.aliquots.aliquot.pl
b e NA's
1 1 588

patient.samples.sample.portions.portion.2.analytes.analyte.4.aliquots.aliquot.qu
200 NA's
2 588

patient.samples.sample.portions.portion.2.analytes.analyte.4.aliquots.aliquot.sc
22 NA's
2 588

patient.samples.sample.portions.portion.2.analytes.analyte.4.aliquots.aliquot.vo
400 NA's
2 588

patient.samples.sample.portions.portion.2.analytes.analyte.4.aliquots.aliquot.ye
2009 NA's
2 588

patient.samples.sample.portions.portion.2.analytes.analyte.4.amount:
234 309 NA's
1 1 588

patient.samples.sample.portions.portion.2.analytes.analyte.4.analyte_type:
repli-g (qiagen) dna NA's
2 588
```

patient.samples.sample.portions.portion.2.analytes.analyte.4.analyte_type_id:
 w NA's
 2 588

patient.samples.sample.portions.portion.2.analytes.analyte.4.bcr_analyte_barcode:
 tcga-10-0930-01a-02w tcga-10-0934-01a-02w NA's
 1 1 588

patient.samples.sample.portions.portion.2.analytes.analyte.4.bcr_analyte_uuid:
 45fe516d-a1d0-49d4-894a-d471b3203100 c544515b-7e1c-4965-93ad-ca5ddd5596ec
 1 1
 NA's
 588

patient.samples.sample.portions.portion.2.analytes.analyte.4.concentration:
 0.5 NA's
 2 588

patient.samples.sample.portions.portion.2.analytes.analyte.4.dna.normal_tumor_ge:
 yes NA's
 2 588

patient.samples.sample.portions.portion.2.analytes.analyte.4.dna.pcr_amplificati:
 no NA's
 2 588

patient.samples.sample.portions.portion.2.analytes.analyte.4.gel_image_file:
<https://sharedoc.nchri.org/tcga-bcr/default.aspx>
 2
 NA's
 588

patient.samples.sample.portions.portion.2.analytes.analyte.4.is_derived_from_ffp:
 no NA's
 2 588

patient.samples.sample.portions.portion.2.analytes.analyte.4.protocols.protocol:
 repli-g NA's
 2 588

patient.samples.sample.portions.portion.2.analytes.analyte.4.spectrophotometer_m:
 uv spec NA's
 2 588

patient.samples.sample.portions.portion.2.analytes.analyte.a260_a280_ratio:
 1.8 1.9 NA's
 5 3 582

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.2.ce

1 3 4 NA's
1 3 4 582

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.2.co
0.14 0.15 0.16 NA's
2 3 3 582

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.2.da
22 27 NA's
4 4 582

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.2.is
no NA's
8 582

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.2.mo
1 10 NA's
4 4 582

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.2.pl
1 4 5 NA's
5 1 2 582

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.2.pl
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
400.0 400.0 416.5 416.5 430.5 435.0 582

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.2.qu
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
1.070 2.630 3.205 3.053 3.808 4.010 582

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.2.so
22 NA's
8 582

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.2.vo
6.7 16.7 26.7 NA's
1 3 4 582

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.2.ye
2008 2009 NA's
4 4 582

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.3.co
4 6 7 NA's
1 4 3 582

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.3.co
0.14 0.15 0.16 NA's

2 3 3 582

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.3.da

22 27 NA's

4 4 582

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.3.is

no NA's

8 582

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.3.mo

1 10 NA's

4 4 582

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.3.pl

1 4 5 NA's

5 1 2 582

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.3.pl

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
401.0	401.0	417.5	417.5	431.5	436.0	582

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.3.qu

1.86 2 2.13 4.27 NA's

2 3 2 1 582

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.3.so

22 NA's

8 582

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.3.vo

13.3 26.7 NA's

7 1 582

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.3.ye

2008 2009 NA's

4 4 582

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.4.ce

1 2 5 6 NA's

1 2 3 1 583

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.4.co

0.14 0.15 0.16 NA's

2 2 3 583

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.4.da

3 9 22 27 NA's

1 1 3 2 583


```

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.4.is
no NA's
7 583

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.4.mo
1 2 3 10 NA's
2 1 1 3 583

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.4.pl
1 3 4 5 NA's
4 1 1 1 583

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.4.pl
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
402.0 402.0 430.0 424.7 436.0 465.0 583

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.4.qu
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
1.860 1.930 2.130 2.464 3.100 3.200 583

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.4.so
22 NA's
7 583

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.4.vo
13.3 20 NA's
4 3 583

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.4.ye
2008 2009 NA's
3 4 583

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.5.bi
97530637 NA's
1 589

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.5.ce
1 2 5 7 NA's
1 4 1 1 583

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.5.co
0.14 0.15 0.16 NA's
2 2 3 583

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.5.da
3 14 22 27 NA's
1 1 3 2 583

```

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.5.is
no NA's
7 583

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.5.mo
1 3 6 10 NA's
2 1 1 3 583

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.5.pl
1 2 4 5 NA's
4 1 1 1 583

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.5.pl
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
403.0 403.0 431.0 511.3 448.5 1042.0 583

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.5.qu
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
2.000 2.465 2.800 2.733 3.100 3.200 583

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.5.sc
22 NA's
7 583

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.5.vo
13.3 20 NA's
2 5 583

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.5.ye
2008 2009 2010 NA's
3 3 1 583

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.6.bi
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
9.753e+07 9.753e+07 9.753e+07 2.880e+08 9.753e+07 1.050e+09 585

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.6.ce
1 5 13 NA's
4 1 1 584

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.6.co
0.14 0.15 0.16 NA's
2 2 2 584

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.6.da
9 16 27 NA's
4 1 1 584

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.6.is

```

no NA's
  6  584

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.6.mo
  1   3   6 NA's
  1   1   4  584

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.6.pl
  1   5   6  11 NA's
  2   1   2   1  584

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.6.pl
432 1035 1036 1564 NA's
  1   2   2   1  584

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.6.qu
0.47 0.5 2.13 3.2 NA's
  2   2   1   1  584

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.6.sc
22 NA's
  6  584

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.6.vo
3.33 13.3 20 NA's
  4   1   1  584

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.6.ye
2009 2010 2011 NA's
  1   4   1  584

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.7.bo
tcga-10-0934-01a-02d-2105-08 tcga-13-0807-01b-02d-1169-09
                                1                                1
                                NA's
                                588

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.7.bo
0c358da0-03dd-4f69-b49d-5a96b0a6209b a3bcf1b6-58b9-417a-9ac7-248878abc63f
                                1                                1
                                NA's
                                588

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.7.bi
100507886 NA's
  1   589

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.7.ce
  8   9 NA's
  1   1  588

```

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.7.co
 0.14 0.15 NA's
 1 1 588

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.7.da
 11 19 NA's
 1 1 588

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.7.is
 no NA's
 2 588

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.7.mo
 8 12 NA's
 1 1 588

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.7.pl
 1 10 NA's
 1 1 588

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.7.pl
 1169 2105 NA's
 1 1 588

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.7.pl
 a c NA's
 1 1 588

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.7.qu
 0 0.5 NA's
 1 1 588

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.7.so
 22 NA's
 2 588

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.7.vo
 0 3.33 NA's
 1 1 588

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.7.ye
 2010 2011 NA's
 1 1 588

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.8.bo
 tcga-10-0934-01a-02d-a312-08 NA's
 1 589

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.8.bo
 0664753b-7566-41e0-8006-7009c6735406 NA's
 1 589

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.8.bi
153878958 NA's
1 589

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.8.ce
8 NA's
1 589

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.8.co
0.07 NA's
1 589

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.8.da
26 NA's
1 589

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.8.is
no NA's
1 589

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.8.mo
6 NA's
1 589

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.8.pl
7 NA's
1 589

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.8.pl
a312 NA's
1 589

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.8.pl
b NA's
1 589

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.8.qu
0.94 NA's
1 589

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.8.so
23 NA's
1 589

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.8.vo
13.4 NA's
1 589

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.8.ye
2013 NA's
1 589

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patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.cent
  1 NA's
  8 582

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.conc
0.14 0.15 0.16 0.5 NA's
  2 3 2 1 582

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.day_
22 27 NA's
  4 4 582

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.is_d
no NA's
  8 582

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.mont
  1 10 NA's
  4 4 582

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.plat
  1 4 5 NA's
  5 1 2 582

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.plat
399 404 428 434 NA's
  3 1 2 2 582

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.quant
  Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
  0.9400 0.9925 2.0050 26.6625 3.2000 200.0000 582

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.sour
22 NA's
  8 582

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.volu
6.7 20 400 NA's
  4 3 1 582

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.year
2008 2009 NA's
  4 4 582

patient.samples.sample.portions.portion.2.analytes.analyte.amount:
  Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
  0.000 5.003 32.500 91.880 60.943 521.000 582

patient.samples.sample.portions.portion.2.analytes.analyte.analyte_type:

```

```

dna   rna NA's
5     3 582

patient.samples.sample.portions.portion.2.analytes.analyte.analyte_type_id:
d     r NA's
5     3 582

patient.samples.sample.portions.portion.2.analytes.analyte.concentration:
0.14 0.15 0.16 NA's
2     3   3 582

patient.samples.sample.portions.portion.2.analytes.analyte.dna.normal_tumor_gene:
yes NA's
5   585

patient.samples.sample.portions.portion.2.analytes.analyte.dna.pcr_amplification:
yes NA's
5   585

patient.samples.sample.portions.portion.2.analytes.analyte.gel_image_file:
https://sharedoc.nchri.org/tcga-bcr/default.aspx
8
NA's
582

patient.samples.sample.portions.portion.2.analytes.analyte.is_derived_from_ffpe:
no NA's
8   582

patient.samples.sample.portions.portion.2.analytes.analyte.protocols.protocol.execution:
adna preparation type allprep rna extraction NA's
5                               3           582

patient.samples.sample.portions.portion.2.analytes.analyte.rna.ratio_28s_18s:
1.1 1.2 2.1 NA's
1   1   1 587

patient.samples.sample.portions.portion.2.analytes.analyte.rna.rinvalue:
7.1 7.5 8.3 NA's
1   1   1 587

patient.samples.sample.portions.portion.2.analytes.analyte.spectrophotometer_method:
uv spec NA's
8     582

patient.samples.sample.portions.portion.2.day_of_creation:
4 NA's
8 582

```

patient.samples.sample.portions.portion.2.is_ffpe:
 no NA's
 8 582

patient.samples.sample.portions.portion.2.month_of_creation:
 2 NA's
 8 582

patient.samples.sample.portions.portion.2.portion_number:
 2 3 NA's
 7 1 582

patient.samples.sample.portions.portion.2.slides.slide.2.is_derived_from_ffpe:
 no NA's
 7 583

patient.samples.sample.portions.portion.2.slides.slide.2.percent_lymphocyte_infi:
 100 NA's
 1 589

patient.samples.sample.portions.portion.2.slides.slide.2.percent_necrosis:
 0 1 5 NA's
 5 1 1 583

patient.samples.sample.portions.portion.2.slides.slide.2.percent_normal_cells:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 0.0 2.5 5.0 10.0 15.0 30.0 583

patient.samples.sample.portions.portion.2.slides.slide.2.percent_stromal_cells:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 0.000 5.000 5.000 8.571 12.500 20.000 583

patient.samples.sample.portions.portion.2.slides.slide.2.percent_tumor_cells:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 69.00 72.50 75.00 80.57 90.00 95.00 583

patient.samples.sample.portions.portion.2.slides.slide.2.percent_tumor_nuclei:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 70.00 77.50 80.00 83.57 92.50 95.00 583

patient.samples.sample.portions.portion.2.slides.slide.2.section_location:
 bottom NA's
 7 583

patient.samples.sample.portions.portion.2.slides.slide.is_derived_from_ffpe:


```

no NA's
  7  583

patient.samples.sample.portions.portion.2.slides.slide.percent_lymphocyte_infiltration:
100 NA's
  1  589

patient.samples.sample.portions.portion.2.slides.slide.percent_necrosis:
  0   1  10  20 NA's
  4   1   1   1  583

patient.samples.sample.portions.portion.2.slides.slide.percent_normal_cells:
  0   5  35 NA's
  2   4   1  583

patient.samples.sample.portions.portion.2.slides.slide.percent_stromal_cells:
  0   5  10  20 NA's
  1   3   2   1  583

patient.samples.sample.portions.portion.2.slides.slide.percent_tumor_cells:
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.    NA's
64.00  70.00   85.00   79.86  87.50   95.00   583

patient.samples.sample.portions.portion.2.slides.slide.percent_tumor_nuclei:
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.    NA's
 75.0   80.0   80.0   84.0   87.5   98.0   583

patient.samples.sample.portions.portion.2.slides.slide.section_location:
top NA's
  7  583

patient.samples.sample.portions.portion.2.weight:
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.    NA's
 69.0   91.5  114.0  108.3  126.8  138.0   584

patient.samples.sample.portions.portion.2.year_of_creation:
2009 NA's
  8  582

patient.samples.sample.portions.portion.3.analytes.analyte.2.aliquots.aliquot.bc
tcga-10-0935-01a-03g-1307-09 tcga-20-0996-01a-03g-1308-09
                                1                                1
tcga-23-1023-01a-03g-1308-09                                NA's
                                1                                587

patient.samples.sample.portions.portion.3.analytes.analyte.2.aliquots.aliquot.bc
089f09d8-3d1a-477e-9108-2a0aac5c65f5 80bb3730-d734-4b35-a54e-86f2cf347aa4
                                1                                1
b8fe830a-61fe-46ad-abd1-3f8397aa0857                                NA's
                                1                                587

patient.samples.sample.portions.portion.3.analytes.analyte.2.aliquots.aliquot.ce

```

9 NA's
3 587

patient.samples.sample.portions.portion.3.analytes.analyte.2.aliquots.aliquot.co
0.09 0.21 0.23 NA's
1 1 1 587

patient.samples.sample.portions.portion.3.analytes.analyte.2.aliquots.aliquot.da
6 NA's
3 587

patient.samples.sample.portions.portion.3.analytes.analyte.2.aliquots.aliquot.is
no NA's
3 587

patient.samples.sample.portions.portion.3.analytes.analyte.2.aliquots.aliquot.mo
10 NA's
3 587

patient.samples.sample.portions.portion.3.analytes.analyte.2.aliquots.aliquot.pl
1 5 NA's
2 1 587

patient.samples.sample.portions.portion.3.analytes.analyte.2.aliquots.aliquot.pl
1307 1308 NA's
1 2 587

patient.samples.sample.portions.portion.3.analytes.analyte.2.aliquots.aliquot.pl
e f g NA's
1 1 1 587

patient.samples.sample.portions.portion.3.analytes.analyte.2.aliquots.aliquot.qu
15.57 28.77 31.51 NA's
1 1 1 587

patient.samples.sample.portions.portion.3.analytes.analyte.2.aliquots.aliquot.so
22 NA's
3 587

patient.samples.sample.portions.portion.3.analytes.analyte.2.aliquots.aliquot.vo
137 173 NA's
2 1 587

patient.samples.sample.portions.portion.3.analytes.analyte.2.aliquots.aliquot.ye
2010 NA's
3 587

patient.samples.sample.portions.portion.3.analytes.analyte.2.amount:
0 36 NA's
1 2 587

patient.samples.sample.portions.portion.3.analytes.analyte.2.analyte_type:

genomeplex (rubicon) amplified dna
3

NA's
587

patient.samples.sample.portions.portion.3.analytes.analyte.2.analyte_type_id:
g NA's
3 587

patient.samples.sample.portions.portion.3.analytes.analyte.2.bcr_analyte_barcode
tcga-10-0935-01a-03g tcga-20-0996-01a-03g tcga-23-1023-01a-03g
1 1 1
NA's
587

patient.samples.sample.portions.portion.3.analytes.analyte.2.bcr_analyte_uuid:
4ab480c3-cdb4-46ec-ab5a-a9ff207a3e96 69354c5f-4844-48dc-97a7-6b0828428ae5
1 1
ab8e7561-8b12-451c-9d4f-0a9d43345d54 NA's
1 587

patient.samples.sample.portions.portion.3.analytes.analyte.2.concentration:
0.09 0.21 0.23 NA's
1 1 1 587

patient.samples.sample.portions.portion.3.analytes.analyte.2.dna.normal_tumor_ge
yes NA's
3 587

patient.samples.sample.portions.portion.3.analytes.analyte.2.dna.pcr_amplificati
no NA's
3 587

patient.samples.sample.portions.portion.3.analytes.analyte.2.gel_image_file:
<https://sharedoc.nchri.org/tcga-bcr/default.aspx>
3
NA's
587

patient.samples.sample.portions.portion.3.analytes.analyte.2.is_derived_from_ffp
no NA's
3 587

patient.samples.sample.portions.portion.3.analytes.analyte.2.protocols.protocol.
genomeplex NA's
3 587

patient.samples.sample.portions.portion.3.analytes.analyte.2.spectrophotometer_m
uv spec NA's
3 587

patient.samples.sample.portions.portion.3.analytes.analyte.3.aliquots.aliquot.2.
tcga-10-0935-01a-03w-0420-08 tcga-20-0996-01a-03w-0486-08
1 1

tcga-23-1023-01a-03w-0486-08

1

NA's

587

patient.samples.sample.portions.portion.3.analytes.analyte.3.aliquots.aliquot.2.

0b5aee8b-a651-4f15-a260-27f08222add4 4f1a6979-b3a7-424d-8721-6d6a7696555a

1

1

6d69c5a0-6dea-44f7-b6ca-9a8a3a3beec1

NA's

1

587

patient.samples.sample.portions.portion.3.analytes.analyte.3.aliquots.aliquot.2.

8 NA's

3 587

patient.samples.sample.portions.portion.3.analytes.analyte.3.aliquots.aliquot.2.

0.5 NA's

3 587

patient.samples.sample.portions.portion.3.analytes.analyte.3.aliquots.aliquot.2.

6 31 NA's

1 2 587

patient.samples.sample.portions.portion.3.analytes.analyte.3.aliquots.aliquot.2.

no NA's

3 587

patient.samples.sample.portions.portion.3.analytes.analyte.3.aliquots.aliquot.2.

1 3 NA's

1 2 587

patient.samples.sample.portions.portion.3.analytes.analyte.3.aliquots.aliquot.2.

1 5 NA's

2 1 587

patient.samples.sample.portions.portion.3.analytes.analyte.3.aliquots.aliquot.2.

420 486 NA's

1 2 587

patient.samples.sample.portions.portion.3.analytes.analyte.3.aliquots.aliquot.2.

d f NA's

1 2 587

patient.samples.sample.portions.portion.3.analytes.analyte.3.aliquots.aliquot.2.

200 NA's

3 587

patient.samples.sample.portions.portion.3.analytes.analyte.3.aliquots.aliquot.2.

22 NA's

3 587

patient.samples.sample.portions.portion.3.analytes.analyte.3.aliquots.aliquot.2.

400 NA's

3 587

patient.samples.sample.portions.portion.3.analytes.analyte.3.aliquots.aliquot.2.
 2009 NA's
 3 587

patient.samples.sample.portions.portion.3.analytes.analyte.3.aliquots.aliquot.3.
 tcga-10-0935-01a-03w-0421-09 tcga-20-0996-01a-03w-0488-09
 1 1
 tcga-23-1023-01a-03w-0488-09 NA's
 1 587

patient.samples.sample.portions.portion.3.analytes.analyte.3.aliquots.aliquot.3.
 8064455c-93ba-413c-9e3d-c7dcb0e4b36a 93229418-651f-487c-a7f6-b87a0b4eb841
 1 1
 af0edbf4-9d90-4373-a9ce-0875ebbe1d04 NA's
 1 587

patient.samples.sample.portions.portion.3.analytes.analyte.3.aliquots.aliquot.3.
 9 NA's
 3 587

patient.samples.sample.portions.portion.3.analytes.analyte.3.aliquots.aliquot.3.
 0.5 NA's
 3 587

patient.samples.sample.portions.portion.3.analytes.analyte.3.aliquots.aliquot.3.
 6 31 NA's
 1 2 587

patient.samples.sample.portions.portion.3.analytes.analyte.3.aliquots.aliquot.3.
 no NA's
 3 587

patient.samples.sample.portions.portion.3.analytes.analyte.3.aliquots.aliquot.3.
 1 3 NA's
 1 2 587

patient.samples.sample.portions.portion.3.analytes.analyte.3.aliquots.aliquot.3.
 1 5 NA's
 2 1 587

patient.samples.sample.portions.portion.3.analytes.analyte.3.aliquots.aliquot.3.
 421 488 NA's
 1 2 587

patient.samples.sample.portions.portion.3.analytes.analyte.3.aliquots.aliquot.3.
 d f NA's
 1 2 587

patient.samples.sample.portions.portion.3.analytes.analyte.3.aliquots.aliquot.3.
 200 NA's
 3 587

patient.samples.sample.portions.portion.3.analytes.analyte.3.aliquots.aliquot.3.
 22 NA's
 3 587

patient.samples.sample.portions.portion.3.analytes.analyte.3.aliquots.aliquot.3.
 400 NA's
 3 587

patient.samples.sample.portions.portion.3.analytes.analyte.3.aliquots.aliquot.3.
 2009 NA's
 3 587

patient.samples.sample.portions.portion.3.analytes.analyte.3.aliquots.aliquot.4.
 tcga-10-0935-01a-03w-0977-09 tcga-23-1023-01a-03w-0927-10
 1 1
 NA's
 588

patient.samples.sample.portions.portion.3.analytes.analyte.3.aliquots.aliquot.4.
 7c797cfe-3ccd-4201-bf02-2837f94782f0 ab9ce32f-8ed9-462e-8a86-feb7275f3ad2
 1 1
 NA's
 588

patient.samples.sample.portions.portion.3.analytes.analyte.3.aliquots.aliquot.4.
 96488334 97512788 NA's
 1 1 588

patient.samples.sample.portions.portion.3.analytes.analyte.3.aliquots.aliquot.4.
 9 10 NA's
 1 1 588

patient.samples.sample.portions.portion.3.analytes.analyte.3.aliquots.aliquot.4.
 0.5 NA's
 2 588

patient.samples.sample.portions.portion.3.analytes.analyte.3.aliquots.aliquot.4.
 19 28 NA's
 1 1 588

patient.samples.sample.portions.portion.3.analytes.analyte.3.aliquots.aliquot.4.
 no NA's
 2 588

patient.samples.sample.portions.portion.3.analytes.analyte.3.aliquots.aliquot.4.
 4 NA's
 2 588

patient.samples.sample.portions.portion.3.analytes.analyte.3.aliquots.aliquot.4.
 1 6 NA's
 1 1 588

```

patient.samples.sample.portions.portion.3.analytes.analyte.3.aliquots.aliquot.4.
  927  977 NA's
    1    1  588

patient.samples.sample.portions.portion.3.analytes.analyte.3.aliquots.aliquot.4.
  b    c NA's
    1    1  588

patient.samples.sample.portions.portion.3.analytes.analyte.3.aliquots.aliquot.4.
  10 19.5 NA's
    1    1  588

patient.samples.sample.portions.portion.3.analytes.analyte.3.aliquots.aliquot.4.
  22 NA's
    2  588

patient.samples.sample.portions.portion.3.analytes.analyte.3.aliquots.aliquot.4.
  20  39 NA's
    1    1  588

patient.samples.sample.portions.portion.3.analytes.analyte.3.aliquots.aliquot.4.
 2010 NA's
    2  588

patient.samples.sample.portions.portion.3.analytes.analyte.3.aliquots.aliquot.bo
tcga-10-0935-01a-03w-0419-10 tcga-20-0996-01a-03w-0484-10
                                1                                1
tcga-23-1023-01a-03w-0484-10                                NA's
                                1                                587

patient.samples.sample.portions.portion.3.analytes.analyte.3.aliquots.aliquot.bo
1da8c6bd-59a5-4a23-b2ed-7a4577bfd0ca b9b4e9cc-57b1-46fa-91e6-521dde4ac892
                                1                                1
da5cda18-994e-4bee-a5c2-cc07a3268946                                NA's
                                1                                587

patient.samples.sample.portions.portion.3.analytes.analyte.3.aliquots.aliquot.ce
  10 NA's
    3  587

patient.samples.sample.portions.portion.3.analytes.analyte.3.aliquots.aliquot.co
  0.5 NA's
    3  587

patient.samples.sample.portions.portion.3.analytes.analyte.3.aliquots.aliquot.da
    6  31 NA's
    1    2  587

patient.samples.sample.portions.portion.3.analytes.analyte.3.aliquots.aliquot.is
  no NA's
    3  587

```

```

patient.samples.sample.portions.portion.3.analytes.analyte.3.aliquots.aliquot.mo
  1      3 NA's
  1      2  587

patient.samples.sample.portions.portion.3.analytes.analyte.3.aliquots.aliquot.pl
  1      5 NA's
  2      1  587

patient.samples.sample.portions.portion.3.analytes.analyte.3.aliquots.aliquot.pl
419 484 NA's
  1      2  587

patient.samples.sample.portions.portion.3.analytes.analyte.3.aliquots.aliquot.pl
  d      f NA's
  1      2  587

patient.samples.sample.portions.portion.3.analytes.analyte.3.aliquots.aliquot.qu
200 NA's
  3  587

patient.samples.sample.portions.portion.3.analytes.analyte.3.aliquots.aliquot.sc
22 NA's
  3  587

patient.samples.sample.portions.portion.3.analytes.analyte.3.aliquots.aliquot.vo
400 NA's
  3  587

patient.samples.sample.portions.portion.3.analytes.analyte.3.aliquots.aliquot.ye
2009 NA's
  3  587

patient.samples.sample.portions.portion.3.analytes.analyte.3.amount:
349 374.44 401.78 NA's
  1      1      1  587

patient.samples.sample.portions.portion.3.analytes.analyte.3.analyte_type:
repli-g (qiagen) dna NA's
                      3  587

patient.samples.sample.portions.portion.3.analytes.analyte.3.analyte_type_id:
w NA's
  3  587

patient.samples.sample.portions.portion.3.analytes.analyte.3.bcr_analyte_barcode
tcga-10-0935-01a-03w tcga-20-0996-01a-03w tcga-23-1023-01a-03w
                      1                      1                      1
                      NA's
                      587

patient.samples.sample.portions.portion.3.analytes.analyte.3.bcr_analyte_uuid:

```


958d20f2-5eb0-4857-8cdb-2089754c1933	e3dd3b26-68ba-4c7e-9a86-b53e407a27a2	1	1
ffdd3185-aae-4c08-a78c-04f62238f057		1	NA's
			587

patient.samples.sample.portions.portion.3.analytes.analyte.3.concentration:
 0.5 NA's
 3 587

patient.samples.sample.portions.portion.3.analytes.analyte.3.dna.normal_tumor_ge
 yes NA's
 3 587

patient.samples.sample.portions.portion.3.analytes.analyte.3.dna.pcr_amplificati
 no NA's
 3 587

patient.samples.sample.portions.portion.3.analytes.analyte.3.gel_image_file:
<https://sharedoc.nchri.org/tcga-bcr/default.aspx>
 3
 NA's
 587

patient.samples.sample.portions.portion.3.analytes.analyte.3.is_derived_from_ffp
 no NA's
 3 587

patient.samples.sample.portions.portion.3.analytes.analyte.3.protocols.protocol.
 repli-g NA's
 3 587

patient.samples.sample.portions.portion.3.analytes.analyte.3.spectrophotometer_m
 uv spec NA's
 3 587

patient.samples.sample.portions.portion.3.analytes.analyte.a260_a280_ratio:
 1.9 NA's
 3 587

patient.samples.sample.portions.portion.3.analytes.analyte.aliquots.aliquot.2.bo			
tcga-10-0935-01a-03d-0400-04	tcga-20-0996-01a-03d-0429-04	1	1
tcga-23-1023-01a-03d-0429-04		1	NA's
			587

patient.samples.sample.portions.portion.3.analytes.analyte.aliquots.aliquot.2.bo			
0913d89a-15fc-494a-8cbb-0e5784f35e3c	6a5a94f5-5b61-4737-8c9b-33554bcb71f6	1	1
fcd38bdc-02c3-4db4-a2b9-67eaa5ce9686		1	NA's
			587

patient.samples.sample.portions.portion.3.analytes.analyte.aliquots.aliquot.2.ce

4 NA's
 3 587

patient.samples.sample.portions.portion.3.analytes.analyte.aliquots.aliquot.2.co
 0.16 NA's
 3 587

patient.samples.sample.portions.portion.3.analytes.analyte.aliquots.aliquot.2.da
 22 27 NA's
 1 2 587

patient.samples.sample.portions.portion.3.analytes.analyte.aliquots.aliquot.2.is
 no NA's
 3 587

patient.samples.sample.portions.portion.3.analytes.analyte.aliquots.aliquot.2.mo
 1 10 NA's
 2 1 587

patient.samples.sample.portions.portion.3.analytes.analyte.aliquots.aliquot.2.pl
 1 5 NA's
 2 1 587

patient.samples.sample.portions.portion.3.analytes.analyte.aliquots.aliquot.2.pl
 400 429 NA's
 1 2 587

patient.samples.sample.portions.portion.3.analytes.analyte.aliquots.aliquot.2.pl
 b d f NA's
 1 1 1 587

patient.samples.sample.portions.portion.3.analytes.analyte.aliquots.aliquot.2.qu
 4.27 NA's
 3 587

patient.samples.sample.portions.portion.3.analytes.analyte.aliquots.aliquot.2.so
 22 NA's
 3 587

patient.samples.sample.portions.portion.3.analytes.analyte.aliquots.aliquot.2.vo
 26.7 NA's
 3 587

patient.samples.sample.portions.portion.3.analytes.analyte.aliquots.aliquot.2.ye
 2008 2009 NA's
 1 2 587

patient.samples.sample.portions.portion.3.analytes.analyte.aliquots.aliquot.3.bo
 tcga-10-0935-01a-03d-0401-06 tcga-20-0996-01a-03d-0430-06
 1 1
 tcga-23-1023-01a-03d-0430-06 NA's
 1 587

patient.samples.sample.portions.portion.3.analytes.analyte.aliquots.aliquot.3.bo
17e49bff-9168-4d14-b3a9-58b6668838b6 bcf209ff-9fd6-4152-b857-36b70258de7b
1 1
cba7e2b0-7f7f-43a6-9792-632bb30a3c88 NA's
1 587

patient.samples.sample.portions.portion.3.analytes.analyte.aliquots.aliquot.3.ce
6 NA's
3 587

patient.samples.sample.portions.portion.3.analytes.analyte.aliquots.aliquot.3.co
0.16 NA's
3 587

patient.samples.sample.portions.portion.3.analytes.analyte.aliquots.aliquot.3.da
22 27 NA's
1 2 587

patient.samples.sample.portions.portion.3.analytes.analyte.aliquots.aliquot.3.is
no NA's
3 587

patient.samples.sample.portions.portion.3.analytes.analyte.aliquots.aliquot.3.mo
1 10 NA's
2 1 587

patient.samples.sample.portions.portion.3.analytes.analyte.aliquots.aliquot.3.pl
1 5 NA's
2 1 587

patient.samples.sample.portions.portion.3.analytes.analyte.aliquots.aliquot.3.pl
401 430 NA's
1 2 587

patient.samples.sample.portions.portion.3.analytes.analyte.aliquots.aliquot.3.pl
b d f NA's
1 1 1 587

patient.samples.sample.portions.portion.3.analytes.analyte.aliquots.aliquot.3.qu
2.13 NA's
3 587

patient.samples.sample.portions.portion.3.analytes.analyte.aliquots.aliquot.3.so
22 NA's
3 587

patient.samples.sample.portions.portion.3.analytes.analyte.aliquots.aliquot.3.vo
13.3 NA's
3 587

patient.samples.sample.portions.portion.3.analytes.analyte.aliquots.aliquot.3.ye

2008 2009 NA's
 1 2 587

patient.samples.sample.portions.portion.3.analytes.analyte.aliquots.aliquot.4.bo
 tcga-10-0935-01a-03d-0402-05 tcga-20-0996-01a-03d-0431-02
 1 1
 tcga-23-1023-01a-03d-0431-02 NA's
 1 587

patient.samples.sample.portions.portion.3.analytes.analyte.aliquots.aliquot.4.bo
 49ea2eda-cbba-4fc8-8024-14988cef8a75 65ca3b0a-17d7-4375-8450-6fdb75a41b4a
 1 1
 9c709361-faba-4bfc-ad22-14db407140dc NA's
 1 587

patient.samples.sample.portions.portion.3.analytes.analyte.aliquots.aliquot.4.ce
 2 5 NA's
 2 1 587

patient.samples.sample.portions.portion.3.analytes.analyte.aliquots.aliquot.4.co
 0.16 NA's
 3 587

patient.samples.sample.portions.portion.3.analytes.analyte.aliquots.aliquot.4.da
 22 27 NA's
 1 2 587

patient.samples.sample.portions.portion.3.analytes.analyte.aliquots.aliquot.4.is
 no NA's
 3 587

patient.samples.sample.portions.portion.3.analytes.analyte.aliquots.aliquot.4.mo
 1 10 NA's
 2 1 587

patient.samples.sample.portions.portion.3.analytes.analyte.aliquots.aliquot.4.pl
 1 5 NA's
 2 1 587

patient.samples.sample.portions.portion.3.analytes.analyte.aliquots.aliquot.4.pl
 402 431 NA's
 1 2 587

patient.samples.sample.portions.portion.3.analytes.analyte.aliquots.aliquot.4.pl
 b d f NA's
 1 1 1 587

patient.samples.sample.portions.portion.3.analytes.analyte.aliquots.aliquot.4.qu
 2.13 3.2 NA's
 1 2 587

patient.samples.sample.portions.portion.3.analytes.analyte.aliquots.aliquot.4.so

22 NA's
3 587

patient.samples.sample.portions.portion.3.analytes.analyte.aliquots.aliquot.4.vo
13.3 20 NA's
1 2 587

patient.samples.sample.portions.portion.3.analytes.analyte.aliquots.aliquot.4.ye
2008 2009 NA's
1 2 587

patient.samples.sample.portions.portion.3.analytes.analyte.aliquots.aliquot.5.bo
tcga-10-0935-01a-03d-0403-02 tcga-20-0996-01a-03d-0432-05
1 1
tcga-23-1023-01a-03d-0432-05 NA's
1 587

patient.samples.sample.portions.portion.3.analytes.analyte.aliquots.aliquot.5.bo
8ac38c32-32a3-40da-a9ac-b8f65368ff61 ce0c7f4d-d347-46bb-a7fb-36e5f5f83798
1 1
f6dd7c52-fd4d-4390-8f1e-6c068111c655 NA's
1 587

patient.samples.sample.portions.portion.3.analytes.analyte.aliquots.aliquot.5.ce
2 5 NA's
1 2 587

patient.samples.sample.portions.portion.3.analytes.analyte.aliquots.aliquot.5.co
0.16 NA's
3 587

patient.samples.sample.portions.portion.3.analytes.analyte.aliquots.aliquot.5.da
22 27 NA's
1 2 587

patient.samples.sample.portions.portion.3.analytes.analyte.aliquots.aliquot.5.is
no NA's
3 587

patient.samples.sample.portions.portion.3.analytes.analyte.aliquots.aliquot.5.mo
1 10 NA's
2 1 587

patient.samples.sample.portions.portion.3.analytes.analyte.aliquots.aliquot.5.pl
1 5 NA's
2 1 587

patient.samples.sample.portions.portion.3.analytes.analyte.aliquots.aliquot.5.pl
403 432 NA's
1 2 587

patient.samples.sample.portions.portion.3.analytes.analyte.aliquots.aliquot.5.pl

b	d	f	NA's
1	1	1	587
patient.samples.sample.portions.portion.3.analytes.analyte.aliquots.aliquot.5.qu			
2.13	3.2	NA's	
2	1	587	
patient.samples.sample.portions.portion.3.analytes.analyte.aliquots.aliquot.5.sc			
22 NA's			
3	587		
patient.samples.sample.portions.portion.3.analytes.analyte.aliquots.aliquot.5.vo			
13.3	20	NA's	
2	1	587	
patient.samples.sample.portions.portion.3.analytes.analyte.aliquots.aliquot.5.ye			
2008	2009	NA's	
1	2	587	
patient.samples.sample.portions.portion.3.analytes.analyte.aliquots.aliquot.6.bo			
tcga-23-1023-01a-03d-0926-12		NA's	
	1	589	
patient.samples.sample.portions.portion.3.analytes.analyte.aliquots.aliquot.6.bo			
0043e9a0-a999-44a0-a28f-b5459af41e26		NA's	
	1	589	
patient.samples.sample.portions.portion.3.analytes.analyte.aliquots.aliquot.6.bi			
97513069	NA's		
1	589		
patient.samples.sample.portions.portion.3.analytes.analyte.aliquots.aliquot.6.ce			
12 NA's			
1	589		
patient.samples.sample.portions.portion.3.analytes.analyte.aliquots.aliquot.6.co			
0.16 NA's			
1	589		
patient.samples.sample.portions.portion.3.analytes.analyte.aliquots.aliquot.6.da			
19 NA's			
1	589		
patient.samples.sample.portions.portion.3.analytes.analyte.aliquots.aliquot.6.is			
no NA's			
1	589		
patient.samples.sample.portions.portion.3.analytes.analyte.aliquots.aliquot.6.mo			
4 NA's			
1	589		
patient.samples.sample.portions.portion.3.analytes.analyte.aliquots.aliquot.6.pl			


```

no NA's
3 587

patient.samples.sample.portions.portion.3.analytes.analyte.aliquots.aliquot.mont
1 10 NA's
2 1 587

patient.samples.sample.portions.portion.3.analytes.analyte.aliquots.aliquot.plat
1 5 NA's
2 1 587

patient.samples.sample.portions.portion.3.analytes.analyte.aliquots.aliquot.plat
399 428 NA's
1 2 587

patient.samples.sample.portions.portion.3.analytes.analyte.aliquots.aliquot.plat
b d f NA's
1 1 1 587

patient.samples.sample.portions.portion.3.analytes.analyte.aliquots.aliquot.quant
1.07 NA's
3 587

patient.samples.sample.portions.portion.3.analytes.analyte.aliquots.aliquot.sour
22 NA's
3 587

patient.samples.sample.portions.portion.3.analytes.analyte.aliquots.aliquot.vol
6.7 NA's
3 587

patient.samples.sample.portions.portion.3.analytes.analyte.aliquots.aliquot.year
2008 2009 NA's
1 2 587

patient.samples.sample.portions.portion.3.analytes.analyte.amount:
0 10 50 NA's
1 1 1 587

patient.samples.sample.portions.portion.3.analytes.analyte.analyte_type:
dna NA's
3 587

patient.samples.sample.portions.portion.3.analytes.analyte.analyte_type_id:
d NA's
3 587

patient.samples.sample.portions.portion.3.analytes.analyte.bcr_analyte_barcode:
tcga-10-0935-01a-03d tcga-20-0996-01a-03d tcga-23-1023-01a-03d
1 1 1
NA's
587

```



```

patient.samples.sample.portions.portion.3.analytes.analyte.bcr_analyte_uuid:
b28fa492-d3be-49f7-95c1-f5876b7ecb16 b92592de-087c-4c83-93aa-5d1bbbaed736
1 1
fa0ccafe-9c08-4381-a43c-ecf6323d8854 NA's
1 587

```

```

patient.samples.sample.portions.portion.3.analytes.analyte.concentration:
0.16 NA's
3 587

```

```

patient.samples.sample.portions.portion.3.analytes.analyte.dna.normal_tumor_gene:
yes NA's
3 587

```

```

patient.samples.sample.portions.portion.3.analytes.analyte.dna.pcr_amplification:
yes NA's
3 587

```

```

patient.samples.sample.portions.portion.3.analytes.analyte.gel_image_file:
https://sharedoc.nchri.org/tcga-bcr/default.aspx
3
NA's
587

```

```

patient.samples.sample.portions.portion.3.analytes.analyte.is_derived_from_ffpe:
no NA's
3 587

```

```

patient.samples.sample.portions.portion.3.analytes.analyte.protocols.protocol.ex:
adna preparation type NA's
3 587

```

```

patient.samples.sample.portions.portion.3.analytes.analyte.spectrophotometer_met:
uv spec NA's
3 587

```

```

patient.samples.sample.portions.portion.3.bcr_portion_barcode:
tcga-10-0935-01a-03 tcga-20-0996-01a-03 tcga-23-1023-01a-03 NA's
1 1 1 587

```

```

patient.samples.sample.portions.portion.3.bcr_portion_uuid:
14a7dd3c-a5d2-43d1-8c37-04ccf5390ef7 2f03e8a7-0870-48f6-8d0d-404a09eff444
1 1
438c1543-a2cd-4dd1-b5fd-73d98bf1d9a9 NA's
1 587

```

```

patient.samples.sample.portions.portion.3.day_of_creation:
17 30 NA's
2 1 587

```

```

patient.samples.sample.portions.portion.3.is_ffpe:

```

```

no NA's
3 587

patient.samples.sample.portions.portion.3.month_of_creation:
3 11 NA's
2 1 587

patient.samples.sample.portions.portion.3.portion_number:
3 NA's
3 587

patient.samples.sample.portions.portion.3.slides.slide.bcr_slide_barcode:
tcga-10-0935-01a-01-ts1 tcga-20-0996-01a-01-bs1 tcga-23-1023-01a-01-bs1
1 1 1
NA's
587

patient.samples.sample.portions.portion.3.slides.slide.bcr_slide_uuid:
4c722f9c-5c74-4fa3-a5db-83777e788280 bb161bcf-6c16-46b3-bf16-45f5d64f550f
1 1
f2260f08-0126-4fe9-bbb0-09e4fc2fb30e NA's
1 587

patient.samples.sample.portions.portion.3.slides.slide.image_file_name:
tcga-10-0935-01a-01-ts1.4c722f9c-5c74-4fa3-a5db-83777e788280.svs
1
tcga-20-0996-01a-01-bs1.bb161bcf-6c16-46b3-bf16-45f5d64f550f.svs
1
tcga-23-1023-01a-01-bs1.f2260f08-0126-4fe9-bbb0-09e4fc2fb30e.svs
1
NA's
587

patient.samples.sample.portions.portion.3.slides.slide.is_derived_from_ffpe:
no NA's
3 587

patient.samples.sample.portions.portion.3.slides.slide.percent_necrosis:
0 1 20 NA's
1 1 1 587

patient.samples.sample.portions.portion.3.slides.slide.percent_normal_cells:
5 35 NA's
2 1 587

patient.samples.sample.portions.portion.3.slides.slide.percent_stromal_cells:
0 5 10 NA's
1 1 1 587

patient.samples.sample.portions.portion.3.slides.slide.percent_tumor_cells:
64 70 85 NA's
1 1 1 587

```

patient.samples.sample.portions.portion.3.slides.slide.percent_tumor_nuclei:
 75 80 85 NA's
 1 1 1 587

patient.samples.sample.portions.portion.3.slides.slide.section_location:
 top NA's
 3 587

patient.samples.sample.portions.portion.3.weight:
 280 NA's
 1 589

patient.samples.sample.portions.portion.3.year_of_creation:
 2009 2012 NA's
 2 1 587

patient.samples.sample.portions.portion.analytes.analyte.2.a260_a280_ratio:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 1.600 1.800 1.800 1.804 1.800 1.930 495

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.2.bi
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 97542335 97543077 97543118 97927046 98551106 98887119 576

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.2.ce
 3 13 NA's
 75 20 495

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.2.co
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 0.1300 0.1500 0.1500 0.1532 0.1600 0.1800 495

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.2.da
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 3.00 12.00 15.00 14.66 18.00 28.00 495

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.2.is
 no NA's
 95 495

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.2.mo
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 2.000 4.000 5.000 5.358 7.000 12.000 495

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.2.pl
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 1.000 2.000 3.000 3.547 6.000 6.000 495

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.2.qu
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 0.000 2.340 2.510 2.309 2.670 3.200 495

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.2.so
 22 23 NA's
 85 10 495

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.2.vo
 0 16.7 20 NA's
 10 75 10 495

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.2.ye
 2009 2010 2014 NA's
 71 14 10 495

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.3.bi
 98886710 98886711 98886734 98886735 NA's
 1 1 1 1 586

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.3.ce
 7 NA's
 75 515

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.3.co
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 0.1300 0.1400 0.1500 0.1512 0.1600 0.1700 515

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.3.da
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 3.00 12.00 15.00 13.51 15.00 28.00 515

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.3.is
 no NA's
 75 515

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.3.mo
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 2.000 4.000 6.000 5.453 7.000 12.000 515

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.3.pl
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 1.000 2.000 5.000 4.013 6.000 6.000 515

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.3.pl
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 456.0 504.0 540.0 563.8 566.0 1141.0 515

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.3.qu
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 1.730 1.860 2.000 2.013 2.130 2.260 515

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.3.so
 22 NA's
 75 515

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.3.vo
 13.3 NA's
 75 515

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.3.ye
 2009 2010 NA's
 71 4 515

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.4.bi
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 9.753e+07 1.050e+09 1.050e+09 1.019e+09 1.050e+09 1.050e+09 528

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.4.ce
 7 9 13 NA's
 8 1 60 521

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.4.co
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 0.1300 0.1400 0.1500 0.1516 0.1600 0.1700 521

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.4.da
 13 14 16 NA's
 7 2 60 521

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.4.is
 no NA's
 69 521

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.4.mo
 3 4 5 6 NA's
 60 1 7 1 521

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.4.pl
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 1.000 3.000 5.000 5.652 8.000 12.000 521

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.4.pl
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 514 1565 1566 1442 1566 1569 521

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.4.qu

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1.860	2.800	3.000	3.023	3.200	10.010	521

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.4.so
 22 NA's
 69 521

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
11.80	20.00	20.00	19.94	20.00	66.70	521

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.4.vo
 2009 2010 2011 NA's
 7 2 60 521

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1.005e+08	1.050e+09	1.050e+09	9.313e+08	1.050e+09	1.050e+09	582

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.5.bi
 3 13 NA's
 1 8 581

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0.13	0.14	0.15	0.17	NA's		

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.5.co
 1 3 3 2 581

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
16	19	NA's				

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.5.da
 8 1 581

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.5.is
 no NA's
 9 581

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
3	5	NA's				

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.5.mo
 8 1 581

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1.000	3.000	3.000	3.111	4.000	5.000	581

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.5.pl
 527 1566 1567 1569 NA's
 1 6 1 1 581

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.5.qu

	2.6	2.8	3.0	3.2	3.4	5.0	581
patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.5.so	22	NA's					
	9	581					
patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.5.vo	20	33.3	NA's				
	8	1	581				
patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.5.ye	2009	2011	NA's				
	1	8	581				
patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.6.bo							
tcga-13-1411-01a-01r-1565-13						NA's	
			1			589	
patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.6.bo							
0069c63d-f699-41d4-9798-9a109d1c09df						NA's	
			1			589	
patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.6.bi							
1049928684			NA's				
	1		589				
patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.6.ce							
13	NA's						
	1		589				
patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.6.co							
0.15	NA's						
	1		589				
patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.6.da							
16	NA's						
	1		589				
patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.6.is							
no	NA's						
	1		589				
patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.6.mo							
3	NA's						
	1		589				
patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.6.pl							
5	NA's						
	1		589				
patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.6.pl							
1565	NA's						

1 589

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.6.pl

g NA's

1 589

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.6.qu

3 NA's

1 589

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.6.so

22 NA's

1 589

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.6.vo

20 NA's

1 589

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.6.ye

2011 NA's

1 589

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.bios

	Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
	97543887	97544823	98864726	127042705	167811972	167812259	566

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.cent

1 7 9 31 NA's

75 14 479 10 12

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.conc

	Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
	0.0200	0.1400	0.1900	0.1821	0.2400	0.2800	12

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.day_

	Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
	3.000	6.000	6.000	7.561	6.000	28.000	12

3.000 6.000 6.000 7.561 6.000 28.000 12

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.is_d

no NA's

578 12

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.mont

	Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
	1.00	10.00	10.00	9.19	10.00	12.00	12

1.00 10.00 10.00 9.19 10.00 12.00 12

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.plat

	Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
	1.000	2.000	4.000	3.561	5.000	7.000	12

1.000 2.000 4.000 3.561 5.000 7.000 12

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.quant

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1.00	11.04	13.25	16.22	20.76	48.44	12

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.sour

22	23	NA's
568	10	12

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.vol

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
10.00	47.08	78.10	95.58	173.00	173.00	12

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.year

2008	2009	2010	2014	NA's
1	74	493	10	12

patient.samples.sample.portions.portion.analytes.analyte.2.amount:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0.00	2.00	93.60	95.78	117.80	824.70	12

patient.samples.sample.portions.portion.analytes.analyte.2.analyte_type:

genomeplex (rubicon) amplified dna	rna
	479
	95
total rna	NA's
	4
	12

patient.samples.sample.portions.portion.analytes.analyte.2.analyte_type_id:

g	r	t	NA's
479	95	4	12

patient.samples.sample.portions.portion.analytes.analyte.2.concentration:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0.0200	0.1400	0.1900	0.1821	0.2400	0.2800	12

patient.samples.sample.portions.portion.analytes.analyte.2.dna.normal_tumor_gen

yes	NA's
479	111

patient.samples.sample.portions.portion.analytes.analyte.2.dna.pcr_amplification

no	NA's
479	111

patient.samples.sample.portions.portion.analytes.analyte.2.gel_image_file:

https://sharedoc.nchri.org/tcga-bcr/default.aspx
578
NA's
12

```

patient.samples.sample.portions.portion.analytes.analyte.2.is_derived_from_ffpe:
  no NA's
  578  12

patient.samples.sample.portions.portion.analytes.analyte.2.protocols.protocol.ex
  allprep rna extraction          genomplex mirvana (allprep dna) rna
              85                      479                      10
              total rna                NA's
              4                        12

patient.samples.sample.portions.portion.analytes.analyte.2.rna.ratio_28s_18s:
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.    NA's
  0.000  1.200  1.400  1.387  1.600  2.200  495

patient.samples.sample.portions.portion.analytes.analyte.2.rna.rinvalue:
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.    NA's
  6.800  8.000  8.700  8.565  9.150  10.000  495

patient.samples.sample.portions.portion.analytes.analyte.2.spectrophotometer_met
uv spec    NA's
  578      12

patient.samples.sample.portions.portion.analytes.analyte.2.subportion_sequence:
  1    2 NA's
  8    2  580

patient.samples.sample.portions.portion.analytes.analyte.3.a260_a280_ratio:
  1.7  1.8  1.9 NA's
  12  464    3  111

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.2.bi
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.    NA's
  97529642 97530108 97530130 97530069 97530155 97530180    546

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.2.ce
  1    3    7 NA's
  38  441    2  109

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.2.co
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.    NA's
  0.1000 0.1500 0.1500 0.1523 0.1600 0.1900    109

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.2.da
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.    NA's
  3.00    9.00   18.00   16.86  25.00  28.00    109

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.2.is
  no NA's
  481  109

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patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.2.mo
  Min. 1st Qu.  Median      Mean 3rd Qu.    Max.   NA's
  1.000   3.000   7.000   6.834  10.000  12.000   109

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.2.pl
  Min. 1st Qu.  Median      Mean 3rd Qu.    Max.   NA's
  1.000   2.000   3.000   3.214   4.000   7.000   109

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.2.pl
  Min. 1st Qu.  Median      Mean 3rd Qu.    Max.   NA's
  362.0  454.0  565.0  586.6  669.0  1049.0   109

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.2.qu
  Min. 1st Qu.  Median      Mean 3rd Qu.    Max.   NA's
  1.000   2.510   2.510   2.557   2.670   3.340   109

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.2.sc
  22 NA's
  481  109

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.2.vo
  10 16.7 17.6 27.3 NA's
  2  441  37   1  109

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.2.ye
  2008 2009 2010 NA's
  71  366  44  109

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.3.bi
  Min. 1st Qu.  Median      Mean 3rd Qu.    Max.   NA's
  97528939 97529142 97529170 97529141 97529194 97529220   546

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.3.ce
  7 NA's
  479  111

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.3.co
  Min. 1st Qu.  Median      Mean 3rd Qu.    Max.   NA's
  0.1100 0.1500 0.1500 0.1525 0.1600 0.1900   111

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.3.da
  Min. 1st Qu.  Median      Mean 3rd Qu.    Max.   NA's
  3.00   9.00  18.00  16.86  25.00  28.00   111

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.3.is
  no NA's
  479  111

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.3.mo

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Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1.000	3.000	7.000	6.825	10.000	12.000	111

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.3.pl

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1.000	2.000	3.000	3.211	4.000	6.000	111

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.3.pl

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
363.0	456.0	566.0	587.5	670.0	1050.0	111

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.3.qu

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1.600	1.945	2.000	2.011	2.130	2.260	111

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.3.sc

22 NA's

479 111

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.3.vo

11.8 13.3 18.2 NA's

37 441 1 111

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.3.ye

2008 2009 2010 NA's

33 402 44 111

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.4.bi

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
9.649e+07	1.050e+09	1.050e+09	9.839e+08	1.050e+09	1.050e+09	244

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.4.ce

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1.00	13.00	13.00	11.11	13.00	13.00	177

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.4.co

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0.110	0.150	0.150	0.153	0.160	0.190	177

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.4.da

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
3.00	16.00	16.00	14.56	16.00	28.00	177

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.4.is

no NA's

413 177

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.4.mo

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
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2.000	3.000	3.000	3.041	3.000	10.000	177
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patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.4.pl

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1.000	3.000	6.000	5.729	8.000	12.000	177

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.4.pl

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
441	1564	1566	1374	1568	1569	177

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.4.qu

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1.86	3.00	3.00	3.26	3.20	36.00	177

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.4.sc

22 NA's

413 177

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.4.vo

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
13.30	20.00	20.00	21.21	20.00	200.00	177

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.4.ye

2009 2010 2011 NA's

67 11 335 177

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.5.bi

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
9.649e+07	1.050e+09	1.050e+09	9.601e+08	1.050e+09	1.050e+09	537

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.5.ce

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1.00	7.25	13.00	9.96	13.00	13.00	516

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.5.co

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0.1300	0.1500	0.1600	0.1581	0.1600	0.1900	516

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.5.da

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
3.00	16.00	16.00	13.64	16.00	26.00	516

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.5.is

no NA's

74 516

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.5.mo

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
2.000	3.000	3.000	3.216	3.000	7.000	516

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.5.pl
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 1.000 2.000 5.000 5.716 9.000 12.000 516

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.5.pl
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 449 530 1564 1252 1564 1569 516

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.5.qu
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 2.00 3.00 3.20 3.98 3.40 36.00 516

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.5.sc
 22 NA's
 74 516

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.5.vo
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 13.30 20.00 20.00 24.82 20.00 200.00 516

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.5.ye
 2009 2010 2011 NA's
 21 1 52 516

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.6.bi
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 9.649e+07 1.050e+09 1.050e+09 9.235e+08 1.050e+09 1.050e+09 575

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.6.ce
 3 9 13 NA's
 3 1 15 571

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.6.co
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 0.15 0.15 0.16 0.16 0.16 0.19 571

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.6.da
 13 16 19 24 NA's
 1 14 3 1 571

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.6.is
 no NA's
 19 571

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.6.mo
 3 5 8 NA's
 14 4 1 571

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.6.pl
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 1.000 1.000 6.000 5.947 11.000 12.000 571

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.6.pl
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 515 1564 1564 1368 1565 1986 571

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.6.qu
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 3.000 3.000 3.200 3.833 3.600 10.010 571

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.6.so
 22 NA's
 19 571

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.6.vo
 20 27.8 31.3 66.7 NA's
 15 1 2 1 571

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.6.ye
 2009 2011 NA's
 4 15 571

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.7.bo
 tcga-13-0720-01a-01r-1564-13 tcga-13-0725-01a-01r-1564-13
 1 1
 tcga-24-0982-01a-01r-1565-13 tcga-24-1103-01a-01r-0527-03
 1 1
 NA's
 586

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.7.bo
 0d474214-ec15-485d-abd3-cf476a14571c 1fe43034-df2b-4bef-be77-07dbb68083a4
 1 1
 5551b356-0f0f-4e21-a2f5-cf539b5a490b ae158b16-5d93-42d5-a793-3294629af24d
 1 1
 NA's
 586

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.7.bi
 1049928609 1049968621 1049968692 NA's
 1 1 1 587

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.7.ce
 3 13 NA's
 1 3 586

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.7.co
 0.15 0.16 0.18 NA's
 1 2 1 586

```

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.7.da
  16  19 NA's
  3   1 586

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.7.is
no NA's
  4 586

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.7.mo
  3   5 NA's
  3   1 586

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.7.pl
  1   2 NA's
  2   2 586

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.7.pl
527 1564 1565 NA's
  1   2   1 586

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.7.pl
  a   c   e   h NA's
  1   1   1   1 586

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.7.qu
  3.2 3.6   5 NA's
  2   1   1 586

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.7.so
22 NA's
  4 586

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.7.vo
  20 33.3 NA's
  3   1 586

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.7.ye
2009 2011 NA's
  1   3 586

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.8.bo
tcga-13-0725-01a-01r-1986-13 tcga-24-1103-01a-01r-1565-13
                                1                                1
                                NA's
                                588

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.8.bo
202abel19-20e0-4ea9-8653-bf5145da351c e9ac39c6-6c51-459b-8467-7b422e2ed704
                                1                                1
                                NA's
                                588

```


patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.8.bi
107043313 1049928630 NA's
1 1 588

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.8.ce
13 NA's
2 588

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.8.co
0.15 0.18 NA's
1 1 588

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.8.da
16 24 NA's
1 1 588

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.8.is
no NA's
2 588

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.8.mo
3 8 NA's
1 1 588

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.8.pl
1 2 NA's
1 1 588

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.8.pl
1565 1986 NA's
1 1 588

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.8.pl
b NA's
2 588

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.8.qu
3 3.6 NA's
1 1 588

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.8.so
22 NA's
2 588

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.8.vo
20 NA's
2 588

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.8.ye
2011 NA's
2 588

```

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.bios
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.    NA's
97529623 97529919 97529943 97643072 97529968 98887791    542

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.cent
  1      3      7 NA's
441    38    75   36

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.conc
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.    NA's
0.1000 0.1400 0.1500 0.1454 0.1600 0.1900    36

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.day_
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.    NA's
3.00    9.50   15.00   16.41  23.00   28.00    36

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.is_d
  no NA's
554    36

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.mont
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.    NA's
1.000    4.000    6.000    6.639 10.000   12.000    36

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.plat
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.    NA's
1.000    2.000    3.000    3.319  5.000    6.000    36

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.plat
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.    NA's
361.0   453.0   564.0   582.6  668.0  1142.0    36

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.quant
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.    NA's
1.000    2.800    3.000    2.711  3.000    3.400    36

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.sour
  22 NA's
554    36

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.volun
  10 14.7  20 22.7 NA's
75  37 441  1  36

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.year
2008 2009 2010 NA's
71  435  48  36

```

patient.samples.sample.portions.portion.analytes.analyte.3.amount:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0.0	190.2	333.5	343.7	483.5	1109.0	36

patient.samples.sample.portions.portion.analytes.analyte.3.analyte_type:

rna total rna	NA's
479	75
	36

patient.samples.sample.portions.portion.analytes.analyte.3.analyte_type_id:

r	t	NA's
479	75	36

patient.samples.sample.portions.portion.analytes.analyte.3.concentration:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0.1000	0.1400	0.1500	0.1454	0.1600	0.1900	36

patient.samples.sample.portions.portion.analytes.analyte.3.gel_image_file:

https://sharedoc.nchri.org/tcga-bcr/default.aspx	
	554
	NA's
	36

patient.samples.sample.portions.portion.analytes.analyte.3.is_derived_from_ffpe:

no	NA's
554	36

patient.samples.sample.portions.portion.analytes.analyte.3.protocols.protocol.ex

allprep rna extraction	total rna	NA's
	479	75
		36

patient.samples.sample.portions.portion.analytes.analyte.3.rna.ratio_28s_18s:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0.000	1.100	1.300	1.315	1.500	3.500	111

patient.samples.sample.portions.portion.analytes.analyte.3.rna.rinvalue:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0.00	7.70	8.40	8.22	8.80	9.70	111

patient.samples.sample.portions.portion.analytes.analyte.3.spectrophotometer_met

uv spec	NA's
554	36

patient.samples.sample.portions.portion.analytes.analyte.4.aliquots.aliquot.2.bi

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
91291909	96507611	96507738	96414009	97530685	97530713	578

patient.samples.sample.portions.portion.analytes.analyte.4.aliquots.aliquot.2.ce

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
------	---------	--------	------	---------	------	------

7.000	8.000	8.000	8.416	10.000	13.000	489
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patient.samples.sample.portions.portion.analytes.analyte.4.aliquots.aliquot.2.co
0.1 0.5 NA's
26 75 489

patient.samples.sample.portions.portion.analytes.analyte.4.aliquots.aliquot.2.da	Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
	2.00	9.00	10.00	13.08	18.00	31.00	489

patient.samples.sample.portions.portion.analytes.analyte.4.aliquots.aliquot.2.is
no NA's
101 489

patient.samples.sample.portions.portion.analytes.analyte.4.aliquots.aliquot.2.mo	Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
	1.000	6.000	9.000	7.416	9.000	12.000	489

patient.samples.sample.portions.portion.analytes.analyte.4.aliquots.aliquot.2.pl	Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
	1.000	2.000	4.000	4.545	7.000	12.000	489

patient.samples.sample.portions.portion.analytes.analyte.4.aliquots.aliquot.2.pl	Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
	492.0	552.0	631.0	647.5	695.0	1092.0	489

patient.samples.sample.portions.portion.analytes.analyte.4.aliquots.aliquot.2.qu	Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
	1.0	5.0	200.0	120.3	200.0	200.0	489

patient.samples.sample.portions.portion.analytes.analyte.4.aliquots.aliquot.2.so
22 NA's
101 489

patient.samples.sample.portions.portion.analytes.analyte.4.aliquots.aliquot.2.vo	Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
	10.0	50.0	400.0	243.8	400.0	400.0	489

patient.samples.sample.portions.portion.analytes.analyte.4.aliquots.aliquot.2.ye
2009 2010 NA's
87 14 489

patient.samples.sample.portions.portion.analytes.analyte.4.aliquots.aliquot.3.bi	Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
91290277	96507536	97545641	96355433	97545660	97545720	583	

patient.samples.sample.portions.portion.analytes.analyte.4.aliquots.aliquot.3.ce
7 9 10 13 NA's
2 71 4 4 509

patient.samples.sample.portions.portion.analytes.analyte.4.aliquots.aliquot.3.co
 0.1 0.5 NA's
 6 75 509

patient.samples.sample.portions.portion.analytes.analyte.4.aliquots.aliquot.3.da
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 2.00 5.00 10.00 12.73 16.00 31.00 509

patient.samples.sample.portions.portion.analytes.analyte.4.aliquots.aliquot.3.is
 no NA's
 81 509

patient.samples.sample.portions.portion.analytes.analyte.4.aliquots.aliquot.3.mo
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 1.000 6.000 6.000 6.778 9.000 12.000 509

patient.samples.sample.portions.portion.analytes.analyte.4.aliquots.aliquot.3.pl
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 1.000 2.000 6.000 4.704 7.000 11.000 509

patient.samples.sample.portions.portion.analytes.analyte.4.aliquots.aliquot.3.pl
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 494.0 553.0 619.0 630.5 639.0 1094.0 509

patient.samples.sample.portions.portion.analytes.analyte.4.aliquots.aliquot.3.qu
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 1.0 30.0 200.0 149.7 200.0 200.0 509

patient.samples.sample.portions.portion.analytes.analyte.4.aliquots.aliquot.3.so
 22 NA's
 81 509

patient.samples.sample.portions.portion.analytes.analyte.4.aliquots.aliquot.3.vo
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 10.0 60.0 400.0 301.6 400.0 400.0 509

patient.samples.sample.portions.portion.analytes.analyte.4.aliquots.aliquot.3.ye
 2009 2010 NA's
 70 11 509

patient.samples.sample.portions.portion.analytes.analyte.4.aliquots.aliquot.4.bo
 tcga-29-1770-01a-01w-0927-10 tcga-61-1734-01b-01t-0841-07
 1 1
 tcga-61-1919-01a-01w-0894-08 NA's
 1 587

patient.samples.sample.portions.portion.analytes.analyte.4.aliquots.aliquot.4.bo
 83374099-2981-47c0-aaf6-f34338b5d01f 850b9c9f-9341-4c75-81ed-36d117d0751e
 1 1
 becba34c-18a7-4043-8117-7becb728a706 NA's

1

587

patient.samples.sample.portions.portion.analytes.analyte.4.aliquots.aliquot.4.bi
 96507692 97512776 97515525 NA's

1 1 1 587

patient.samples.sample.portions.portion.analytes.analyte.4.aliquots.aliquot.4.ce

7 8 10 NA's

1 1 1 587

patient.samples.sample.portions.portion.analytes.analyte.4.aliquots.aliquot.4.co

0.1 0.5 NA's

1 2 587

patient.samples.sample.portions.portion.analytes.analyte.4.aliquots.aliquot.4.da

3 7 19 NA's

1 1 1 587

patient.samples.sample.portions.portion.analytes.analyte.4.aliquots.aliquot.4.is

no NA's

3 587

patient.samples.sample.portions.portion.analytes.analyte.4.aliquots.aliquot.4.mo

3 4 NA's

1 2 587

patient.samples.sample.portions.portion.analytes.analyte.4.aliquots.aliquot.4.pl

7 11 NA's

2 1 587

patient.samples.sample.portions.portion.analytes.analyte.4.aliquots.aliquot.4.pl

841 894 927 NA's

1 1 1 587

patient.samples.sample.portions.portion.analytes.analyte.4.aliquots.aliquot.4.pl

c e f NA's

1 1 1 587

patient.samples.sample.portions.portion.analytes.analyte.4.aliquots.aliquot.4.qu

0.5 1 10 NA's

1 1 1 587

patient.samples.sample.portions.portion.analytes.analyte.4.aliquots.aliquot.4.so

22 NA's

3 587

patient.samples.sample.portions.portion.analytes.analyte.4.aliquots.aliquot.4.vo

1 10 20 NA's

1 1 1 587

patient.samples.sample.portions.portion.analytes.analyte.4.aliquots.aliquot.4.ye

2010 NA's

3 587

patient.samples.sample.portions.portion.analytes.analyte.4.aliquots.aliquot.bios
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 91290565 97530490 97530514 97404309 97530540 97545542 541

patient.samples.sample.portions.portion.analytes.analyte.4.aliquots.aliquot.cent
 7 8 10 NA's
 479 30 45 36

patient.samples.sample.portions.portion.analytes.analyte.4.aliquots.aliquot.conc
 0.1 0.5 NA's
 479 75 36

patient.samples.sample.portions.portion.analytes.analyte.4.aliquots.aliquot.day_1
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 2.00 10.00 14.00 16.39 23.00 31.00 36

patient.samples.sample.portions.portion.analytes.analyte.4.aliquots.aliquot.is_d
 no NA's
 554 36

patient.samples.sample.portions.portion.analytes.analyte.4.aliquots.aliquot.mont
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 1.000 6.000 7.000 6.874 10.000 12.000 36

patient.samples.sample.portions.portion.analytes.analyte.4.aliquots.aliquot.plat
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 1.000 2.000 3.000 3.417 5.000 7.000 36

patient.samples.sample.portions.portion.analytes.analyte.4.aliquots.aliquot.plat
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 364.0 455.0 567.0 591.8 671.0 1090.0 36

patient.samples.sample.portions.portion.analytes.analyte.4.aliquots.aliquot.quant
 1 30 200 NA's
 479 17 58 36

patient.samples.sample.portions.portion.analytes.analyte.4.aliquots.aliquot.sour
 22 NA's
 554 36

patient.samples.sample.portions.portion.analytes.analyte.4.aliquots.aliquot.vol
 10 60 400 NA's
 479 17 58 36

patient.samples.sample.portions.portion.analytes.analyte.4.aliquots.aliquot.year
 2008 2009 2010 NA's
 33 472 49 36

patient.samples.sample.portions.portion.analytes.analyte.4.amount:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0.0	44.0	77.5	114.1	127.0	1111.0	36

patient.samples.sample.portions.portion.analytes.analyte.4.analyte_type:

repli-g (qiagen) dna	total rna	NA's
75	479	36

patient.samples.sample.portions.portion.analytes.analyte.4.analyte_type_id:

t	w	NA's
479	75	36

patient.samples.sample.portions.portion.analytes.analyte.4.concentration:

0.1	0.5	NA's
479	75	36

patient.samples.sample.portions.portion.analytes.analyte.4.dna.normal_tumor_genotype:

yes	NA's
75	515

patient.samples.sample.portions.portion.analytes.analyte.4.dna.pcr_amplification:

no	NA's
75	515

patient.samples.sample.portions.portion.analytes.analyte.4.gel_image_file:

https://sharedoc.nchri.org/tcga-bcr/default.aspx	554	NA's
	36	

patient.samples.sample.portions.portion.analytes.analyte.4.is_derived_from_ffpe:

no	NA's
554	36

patient.samples.sample.portions.portion.analytes.analyte.4.protocols.protocol.execution_id:

repli-g	total rna	NA's
75	479	36

patient.samples.sample.portions.portion.analytes.analyte.4.spectrophotometer_measurement_id:

uv spec	NA's
554	36

patient.samples.sample.portions.portion.analytes.analyte.5.aliquots.aliquot.2.biobay_id:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
91290871	91291928	91291972	94375877	97530041	97530084	501

patient.samples.sample.portions.portion.analytes.analyte.5.aliquots.aliquot.2.cell_line:

8 9 10 NA's
356 44 42 148

patient.samples.sample.portions.portion.analytes.analyte.5.aliquots.aliquot.2.co
0.5 NA's
442 148

patient.samples.sample.portions.portion.analytes.analyte.5.aliquots.aliquot.2.da
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
2.00 8.00 16.00 15.88 27.00 31.00 148

patient.samples.sample.portions.portion.analytes.analyte.5.aliquots.aliquot.2.is
no NA's
442 148

patient.samples.sample.portions.portion.analytes.analyte.5.aliquots.aliquot.2.mo
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
1.00 3.00 7.00 6.41 9.00 12.00 148

patient.samples.sample.portions.portion.analytes.analyte.5.aliquots.aliquot.2.pl
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
1.000 2.000 4.000 3.713 5.000 8.000 148

patient.samples.sample.portions.portion.analytes.analyte.5.aliquots.aliquot.2.pl
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
371.0 486.0 631.0 636.7 722.0 1091.0 148

patient.samples.sample.portions.portion.analytes.analyte.5.aliquots.aliquot.2.qu
30 200 NA's
196 246 148

patient.samples.sample.portions.portion.analytes.analyte.5.aliquots.aliquot.2.so
22 NA's
442 148

patient.samples.sample.portions.portion.analytes.analyte.5.aliquots.aliquot.2.vo
60 400 NA's
196 246 148

patient.samples.sample.portions.portion.analytes.analyte.5.aliquots.aliquot.2.ye
2008 2009 2010 NA's
38 315 89 148

patient.samples.sample.portions.portion.analytes.analyte.5.aliquots.aliquot.3.bi
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
91289963 91290292 91290339 94382776 97545593 97545637 501

patient.samples.sample.portions.portion.analytes.analyte.5.aliquots.aliquot.3.ce
9 10 NA's

398 44 148

patient.samples.sample.portions.portion.analytes.analyte.5.aliquots.aliquot.3.co
0.5 NA's
442 148

patient.samples.sample.portions.portion.analytes.analyte.5.aliquots.aliquot.3.da
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
2.00 8.00 16.00 15.88 27.00 31.00 148

patient.samples.sample.portions.portion.analytes.analyte.5.aliquots.aliquot.3.is
no NA's
442 148

patient.samples.sample.portions.portion.analytes.analyte.5.aliquots.aliquot.3.mo
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
1.00 3.00 7.00 6.41 9.00 12.00 148

patient.samples.sample.portions.portion.analytes.analyte.5.aliquots.aliquot.3.pl
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
1.000 2.000 4.000 3.713 5.000 8.000 148

patient.samples.sample.portions.portion.analytes.analyte.5.aliquots.aliquot.3.pl
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
372.0 488.0 633.0 638.6 724.0 1093.0 148

patient.samples.sample.portions.portion.analytes.analyte.5.aliquots.aliquot.3.qu
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
20.0 30.0 200.0 124.5 200.0 200.0 148

patient.samples.sample.portions.portion.analytes.analyte.5.aliquots.aliquot.3.so
22 NA's
442 148

patient.samples.sample.portions.portion.analytes.analyte.5.aliquots.aliquot.3.vo
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
40.0 60.0 400.0 249.1 400.0 400.0 148

patient.samples.sample.portions.portion.analytes.analyte.5.aliquots.aliquot.3.ye
2008 2009 2010 NA's
38 315 89 148

patient.samples.sample.portions.portion.analytes.analyte.5.aliquots.aliquot.4.bi
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
96488287 97512781 97515538 97381953 97515563 97515589 536

patient.samples.sample.portions.portion.analytes.analyte.5.aliquots.aliquot.4.ce
8 9 10 NA's
38 7 9 536

patient.samples.sample.portions.portion.analytes.analyte.5.aliquots.aliquot.4.co
 0.5 NA's
 54 536

patient.samples.sample.portions.portion.analytes.analyte.5.aliquots.aliquot.4.da
 7 19 28 NA's
 38 9 7 536

patient.samples.sample.portions.portion.analytes.analyte.5.aliquots.aliquot.4.is
 no NA's
 54 536

patient.samples.sample.portions.portion.analytes.analyte.5.aliquots.aliquot.4.mo
 4 NA's
 54 536

patient.samples.sample.portions.portion.analytes.analyte.5.aliquots.aliquot.4.pl
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 1.000 2.000 4.000 3.963 6.000 8.000 536

patient.samples.sample.portions.portion.analytes.analyte.5.aliquots.aliquot.4.pl
 894 927 977 NA's
 38 9 7 536

patient.samples.sample.portions.portion.analytes.analyte.5.aliquots.aliquot.4.qu
 0.5 3 10 NA's
 38 1 15 536

patient.samples.sample.portions.portion.analytes.analyte.5.aliquots.aliquot.4.so
 22 NA's
 54 536

patient.samples.sample.portions.portion.analytes.analyte.5.aliquots.aliquot.4.vo
 1 6 20 NA's
 38 1 15 536

patient.samples.sample.portions.portion.analytes.analyte.5.aliquots.aliquot.4.ye
 2010 NA's
 54 536

patient.samples.sample.portions.portion.analytes.analyte.5.aliquots.aliquot.bios
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 91288260 91290619 97530467 97389000 100502992 100518906 415

patient.samples.sample.portions.portion.analytes.analyte.5.aliquots.aliquot.cent
 8 10 NA's
 172 356 62

patient.samples.sample.portions.portion.analytes.analyte.5.aliquots.aliquot.conc
 0.5 NA's
 528 62

patient.samples.sample.portions.portion.analytes.analyte.5.aliquots.aliquot.day_
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 1.00 2.00 12.00 13.45 23.00 31.00 62

patient.samples.sample.portions.portion.analytes.analyte.5.aliquots.aliquot.is_d
 no NA's
 528 62

patient.samples.sample.portions.portion.analytes.analyte.5.aliquots.aliquot.mont
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 1.000 3.000 7.000 6.831 9.000 12.000 62

patient.samples.sample.portions.portion.analytes.analyte.5.aliquots.aliquot.plat
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 1.000 2.000 4.000 3.633 5.000 8.000 62

patient.samples.sample.portions.portion.analytes.analyte.5.aliquots.aliquot.plat
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 370.0 490.0 635.0 729.1 797.0 1217.0 62

patient.samples.sample.portions.portion.analytes.analyte.5.aliquots.aliquot.quant
 30 40 200 NA's
 196 86 246 62

patient.samples.sample.portions.portion.analytes.analyte.5.aliquots.aliquot.sour
 22 NA's
 528 62

patient.samples.sample.portions.portion.analytes.analyte.5.aliquots.aliquot.vol
 60 80 400 NA's
 196 86 246 62

patient.samples.sample.portions.portion.analytes.analyte.5.aliquots.aliquot.year
 2008 2009 2010 NA's
 38 315 175 62

patient.samples.sample.portions.portion.analytes.analyte.5.amount:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 0.0 0.0 96.0 174.1 243.8 1020.0 61

patient.samples.sample.portions.portion.analytes.analyte.5.analyte_type:
 repli-g (qiagen) dna NA's
 529 61

patient.samples.sample.portions.portion.analytes.analyte.5.analyte_type_id:
 w NA's
 529 61

patient.samples.sample.portions.portion.analytes.analyte.5.concentration:
0.5 NA's
529 61

patient.samples.sample.portions.portion.analytes.analyte.5.dna.normal_tumor_genom
yes NA's
529 61

patient.samples.sample.portions.portion.analytes.analyte.5.dna.pcr_amplification
no NA's
529 61

patient.samples.sample.portions.portion.analytes.analyte.5.gel_image_file:
<https://sharedoc.nchri.org/tcga-bcr/default.aspx>
529
NA's
61

patient.samples.sample.portions.portion.analytes.analyte.5.is_derived_from_ffpe:
no NA's
529 61

patient.samples.sample.portions.portion.analytes.analyte.5.protocols.protocol.ex
repli-g NA's
529 61

patient.samples.sample.portions.portion.analytes.analyte.5.spectrophotometer_met
uv spec NA's
529 61

patient.samples.sample.portions.portion.analytes.analyte.6.aliquots.aliquot.2.ce
8 NA's
37 553

patient.samples.sample.portions.portion.analytes.analyte.6.aliquots.aliquot.2.co
0.5 NA's
37 553

patient.samples.sample.portions.portion.analytes.analyte.6.aliquots.aliquot.2.da
2 16 23 NA's
16 10 11 553

patient.samples.sample.portions.portion.analytes.analyte.6.aliquots.aliquot.2.is
no NA's
37 553

patient.samples.sample.portions.portion.analytes.analyte.6.aliquots.aliquot.2.mo

9 12 NA's
27 10 553

patient.samples.sample.portions.portion.analytes.analyte.6.aliquots.aliquot.2.pl
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
1.00 2.00 4.00 3.73 5.00 7.00 553

patient.samples.sample.portions.portion.analytes.analyte.6.aliquots.aliquot.2.pl
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
617.0 631.0 637.0 649.6 699.0 722.0 553

patient.samples.sample.portions.portion.analytes.analyte.6.aliquots.aliquot.2.qu
30 200 NA's
21 16 553

patient.samples.sample.portions.portion.analytes.analyte.6.aliquots.aliquot.2.sc
22 NA's
37 553

patient.samples.sample.portions.portion.analytes.analyte.6.aliquots.aliquot.2.vo
60 400 NA's
21 16 553

patient.samples.sample.portions.portion.analytes.analyte.6.aliquots.aliquot.2.ye
2009 NA's
37 553

patient.samples.sample.portions.portion.analytes.analyte.6.aliquots.aliquot.3.ce
9 NA's
37 553

patient.samples.sample.portions.portion.analytes.analyte.6.aliquots.aliquot.3.co
0.5 NA's
37 553

patient.samples.sample.portions.portion.analytes.analyte.6.aliquots.aliquot.3.da
2 16 23 NA's
16 10 11 553

patient.samples.sample.portions.portion.analytes.analyte.6.aliquots.aliquot.3.is
no NA's
37 553

patient.samples.sample.portions.portion.analytes.analyte.6.aliquots.aliquot.3.mo
9 12 NA's
27 10 553

patient.samples.sample.portions.portion.analytes.analyte.6.aliquots.aliquot.3.pl
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's

1.00	2.00	4.00	3.73	5.00	7.00	553
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patient.samples.sample.portions.portion.analytes.analyte.6.aliquots.aliquot.3.pl

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
619.0	633.0	639.0	651.6	701.0	724.0	553

patient.samples.sample.portions.portion.analytes.analyte.6.aliquots.aliquot.3.qu

30	200	NA's
21	16	553

patient.samples.sample.portions.portion.analytes.analyte.6.aliquots.aliquot.3.so

22	NA's
37	553

patient.samples.sample.portions.portion.analytes.analyte.6.aliquots.aliquot.3.vo

60	400	NA's
21	16	553

patient.samples.sample.portions.portion.analytes.analyte.6.aliquots.aliquot.3.ye

2009	NA's
37	553

patient.samples.sample.portions.portion.analytes.analyte.6.aliquots.aliquot.4.bi

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
97515516	97515521	97515536	97515541	97515563	97515570	584

patient.samples.sample.portions.portion.analytes.analyte.6.aliquots.aliquot.4.ce

8	NA's
6	584

patient.samples.sample.portions.portion.analytes.analyte.6.aliquots.aliquot.4.co

0.5	NA's
6	584

patient.samples.sample.portions.portion.analytes.analyte.6.aliquots.aliquot.4.da

7	NA's
6	584

patient.samples.sample.portions.portion.analytes.analyte.6.aliquots.aliquot.4.is

no	NA's
6	584

patient.samples.sample.portions.portion.analytes.analyte.6.aliquots.aliquot.4.mo

4	NA's
6	584

patient.samples.sample.portions.portion.analytes.analyte.6.aliquots.aliquot.4.pl

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
2.00	2.25	3.50	4.00	5.50	7.00	584

patient.samples.sample.portions.portion.analytes.analyte.6.aliquots.aliquot.4.pl
 894 NA's
 6 584

patient.samples.sample.portions.portion.analytes.analyte.6.aliquots.aliquot.4.pl
 b d f g NA's
 2 1 2 1 584

patient.samples.sample.portions.portion.analytes.analyte.6.aliquots.aliquot.4.qu
 0.5 NA's
 6 584

patient.samples.sample.portions.portion.analytes.analyte.6.aliquots.aliquot.4.so
 22 NA's
 6 584

patient.samples.sample.portions.portion.analytes.analyte.6.aliquots.aliquot.4.vo
 1 NA's
 6 584

patient.samples.sample.portions.portion.analytes.analyte.6.aliquots.aliquot.4.ye
 2010 NA's
 6 584

patient.samples.sample.portions.portion.analytes.analyte.6.aliquots.aliquot.5.bo
 tcga-30-1862-01a-02w-1215-08 NA's
 1 589

patient.samples.sample.portions.portion.analytes.analyte.6.aliquots.aliquot.5.bo
 9b8efaad-1d68-470b-b0d2-ac247853545a NA's
 1 589

patient.samples.sample.portions.portion.analytes.analyte.6.aliquots.aliquot.5.bi
 100513090 NA's
 1 589

patient.samples.sample.portions.portion.analytes.analyte.6.aliquots.aliquot.5.ce
 8 NA's
 1 589

patient.samples.sample.portions.portion.analytes.analyte.6.aliquots.aliquot.5.co
 0.5 NA's
 1 589

patient.samples.sample.portions.portion.analytes.analyte.6.aliquots.aliquot.5.da
 1 NA's
 1 589

patient.samples.sample.portions.portion.analytes.analyte.6.aliquots.aliquot.5.is
 no NA's
 1 589


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patient.samples.sample.portions.portion.analytes.analyte.6.aliquots.aliquot.5.mo
  9 NA's
  1  589

patient.samples.sample.portions.portion.analytes.analyte.6.aliquots.aliquot.5.pl
  5 NA's
  1  589

patient.samples.sample.portions.portion.analytes.analyte.6.aliquots.aliquot.5.pl
1215 NA's
  1  589

patient.samples.sample.portions.portion.analytes.analyte.6.aliquots.aliquot.5.pl
  a NA's
  1  589

patient.samples.sample.portions.portion.analytes.analyte.6.aliquots.aliquot.5.qu
  40 NA's
  1  589

patient.samples.sample.portions.portion.analytes.analyte.6.aliquots.aliquot.5.sc
  22 NA's
  1  589

patient.samples.sample.portions.portion.analytes.analyte.6.aliquots.aliquot.5.vo
  80 NA's
  1  589

patient.samples.sample.portions.portion.analytes.analyte.6.aliquots.aliquot.5.ye
2010 NA's
  1  589

patient.samples.sample.portions.portion.analytes.analyte.6.aliquots.aliquot.bios
  Min.   1st Qu.   Median     Mean   3rd Qu.     Max.      NA's
100502651 100511828 100518138 100514564 100518830 100518948      427

patient.samples.sample.portions.portion.analytes.analyte.6.aliquots.aliquot.cent
  8   10 NA's
163  37  390

patient.samples.sample.portions.portion.analytes.analyte.6.aliquots.aliquot.conc
  0.5 NA's
200  390

patient.samples.sample.portions.portion.analytes.analyte.6.aliquots.aliquot.day_
  1   2   16   23 NA's
163  16  10  11  390

patient.samples.sample.portions.portion.analytes.analyte.6.aliquots.aliquot.is_d

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no NA's
200 390

patient.samples.sample.portions.portion.analytes.analyte.6.aliquots.aliquot.mont
  9 12 NA's
190 10 390

patient.samples.sample.portions.portion.analytes.analyte.6.aliquots.aliquot.plat
  Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
  1.000 2.000 4.000 3.555 5.000 7.000 390

patient.samples.sample.portions.portion.analytes.analyte.6.aliquots.aliquot.plat
  Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
  615 1213 1215 1111 1217 1218 390

patient.samples.sample.portions.portion.analytes.analyte.6.aliquots.aliquot.quant
  30 40 200 NA's
  21 163 16 390

patient.samples.sample.portions.portion.analytes.analyte.6.aliquots.aliquot.sourc
  22 NA's
  200 390

patient.samples.sample.portions.portion.analytes.analyte.6.aliquots.aliquot.volun
  60 80 400 NA's
  21 163 16 390

patient.samples.sample.portions.portion.analytes.analyte.6.aliquots.aliquot.year
  2009 2010 NA's
  37 163 390

patient.samples.sample.portions.portion.analytes.analyte.6.amount:
  Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
  0.0 135.8 153.0 187.1 171.2 1020.0 390

patient.samples.sample.portions.portion.analytes.analyte.6.analyte_type:
repli-g (qiagen) dna NA's
                  200 390

patient.samples.sample.portions.portion.analytes.analyte.6.analyte_type_id:
  w NA's
  200 390

patient.samples.sample.portions.portion.analytes.analyte.6.concentration:
  0.5 NA's
  200 390

patient.samples.sample.portions.portion.analytes.analyte.6.dna.normal_tumor_genom
yes NA's

```

200 390

patient.samples.sample.portions.portion.analytes.analyte.6.dna.pcr_amplification
no NA's

200 390

patient.samples.sample.portions.portion.analytes.analyte.6.gel_image_file:
<https://sharedoc.nchri.org/tcga-bcr/default.aspx>

200

NA's

390

patient.samples.sample.portions.portion.analytes.analyte.6.is_derived_from_ffpe:
no NA's

200 390

patient.samples.sample.portions.portion.analytes.analyte.6.protocols.protocol.ex
repli-g NA's

200 390

patient.samples.sample.portions.portion.analytes.analyte.6.spectrophotometer_met
uv spec NA's

200 390

patient.samples.sample.portions.portion.analytes.analyte.a260_a280_ratio:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1.300	1.900	1.900	1.897	1.900	2.000	22

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.10.bcr
tcga-04-1349-01a-01d-a324-10 NA's

1

589

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.10.bcr
5533240d-8fed-440d-b781-6092785a77ce NA's

1

589

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.10.bio
153880967 NA's

1

589

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.10.cen
10 NA's

1 589

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.10.con
0.07 NA's

1 589

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.10.day
9 NA's

1 589

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patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.10.is_
  no NA's
  1  589

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.10.mon
  9 NA's
  1  589

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.10.pla
  1 NA's
  1  589

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.10.pla
a324 NA's
  1  589

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.10.pla
  c NA's
  1  589

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.10.qua
  1.4 NA's
  1  589

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.10.sou
  23 NA's
  1  589

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.10.vol
  20 NA's
  1  589

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.10.yea
2013 NA's
  1  589

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.2.bios
  Min.   1st Qu.   Median     Mean   3rd Qu.     Max.     NA's
97529615 97530212 97530254 107941590 97543773 167780534 522

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.2.cent
  Min. 1st Qu.  Median     Mean 3rd Qu.  Max.  NA's
1.000  4.000   4.000   4.351  4.000   9.000  12

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.2.conc
  Min. 1st Qu.  Median     Mean 3rd Qu.  Max.  NA's
0.0100 0.1400 0.1500 0.1492 0.1600 0.1900 12

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.2.day_
  Min. 1st Qu.  Median     Mean 3rd Qu.  Max.  NA's

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3.00	11.00	15.00	16.56	24.00	28.00	12
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patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.2.is_d
no NA's
578 12

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.2.mon	Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
	1.000	4.000	6.000	6.559	10.000	12.000	12

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.2.plat

	Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
	1.000	2.000	3.000	3.265	5.000	6.000	12

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.2.quant

	Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
	0.170	3.740	4.010	3.631	4.010	4.540	12

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.2.sour

22	23	NA's
568	10	12

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.2.vol

	Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
	6.70	26.70	26.70	24.46	26.70	40.00	12

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.2.year

2008	2009	2010	2014	NA's
72	438	58	10	12

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.3.bios

	Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
	97526536	97526582	97526626	107939183	97543694	167780468	522

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.3.cent

	Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
	4.000	6.000	6.000	5.796	6.000	10.000	12

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.3.conc

	Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
	0.0100	0.1400	0.1500	0.1505	0.1600	0.1900	12

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.3.day_

	Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
	3.00	11.00	15.00	16.64	24.00	28.00	12

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.3.is_d
no NA's

578 12

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.3.mont

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1.000	4.000	6.000	6.559	10.000	12.000	12

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.3.plat

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1.000	2.000	3.000	3.265	5.000	6.000	12

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.3.quant

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0.130	1.860	2.000	2.236	2.130	4.540	12

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.3.sour

22	23	NA's
568	10	12

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.3.volun

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
6.70	13.30	13.30	14.84	13.30	26.70	12

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.3.year

2008	2009	2010	2014	NA's
72	438	58	10	12

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.4.bios

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
97529010	97529538	97529578	97625615	97529605	98887543	532

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.4.cent

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1.000	2.000	2.000	3.004	5.000	9.000	23

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.4.conc

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0.1200	0.1400	0.1500	0.1507	0.1600	0.1900	23

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.4.day_

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
3.00	10.00	15.00	16.47	24.00	28.00	23

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.4.is_d

no NA's
567 23

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.4.mont

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
------	---------	--------	------	---------	------	------

1.000	4.000	6.000	6.591	10.000	12.000	23
-------	-------	-------	-------	--------	--------	----

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.4.plat

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1.000	2.000	3.000	3.272	5.000	6.000	23

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.4.plat

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
359.0	459.0	562.0	587.8	666.0	1137.0	23

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.4.quant

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0.940	2.130	2.800	2.664	3.000	3.400	23

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.4.sour

22	NA's
567	23

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.4.vol

6.7	11.8	13.3	20	NA's
10	38	127	392	23

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.4.year

2008	2009	2010	NA's
33	476	58	23

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.5.bios

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
9.753e+07	9.753e+07	9.753e+07	1.445e+08	9.754e+07	1.050e+09	529

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.5.cent

1	2	5	13	NA's
10	159	395	3	23

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.5.conc

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0.1200	0.1400	0.1500	0.1507	0.1600	0.1900	23

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.5.day_

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
3.00	11.00	15.00	16.54	24.00	28.00	23

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.5.is_d

no	NA's
567	23

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.5.mont

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1.000	4.000	6.000	6.591	10.000	12.000	23

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.5.plat
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 1.000 2.000 3.000 3.303 5.000 11.000 23

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.5.plat
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 360.0 460.0 563.0 594.6 667.0 1565.0 23

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.5.quant
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 0.940 2.000 2.000 2.256 2.800 3.400 23

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.5.sour
 22 NA's
 567 23

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.5.vol
 6.7 13.3 17.6 20 NA's
 10 395 38 124 23

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.5.year
 2008 2009 2010 2011 NA's
 71 435 58 3 23

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.6.bios
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 9.751e+07 9.753e+07 9.753e+07 2.987e+08 1.539e+08 1.054e+09 376

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.6.cent
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 1.000 1.000 1.500 4.111 8.000 12.000 310

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.6.conc
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 0.0500 0.1300 0.1500 0.1306 0.1600 0.1800 310

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.6.day_
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 2.00 9.00 9.00 11.92 19.00 27.00 310

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.6.is_d
 no NA's
 280 310

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.6.mont
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 1.000 4.000 6.000 5.132 6.000 12.000 310

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.6.plat
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 1.000 2.000 3.000 3.364 5.000 12.000 310

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.6.quant
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 0.000 0.500 0.530 2.279 3.000 22.660 310

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.6.sour
 22 23 NA's
 260 20 310

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.6.vol
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 0.00 3.33 3.33 21.58 20.00 133.30 310

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.6.year
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 2008 2010 2010 2010 2011 2013 310

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.7.bios
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 9.751e+07 9.753e+07 9.753e+07 1.345e+08 1.539e+08 1.050e+09 506

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.7.cent
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 1.000 1.000 8.000 5.667 8.000 12.000 452

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.7.conc
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 0.0500 0.1400 0.1500 0.1411 0.1600 0.1900 452

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.7.day_
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 2.00 9.00 11.00 14.39 19.00 26.00 452

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.7.is_d
 no NA's
 138 452

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.7.mont
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 2.000 6.000 7.000 8.391 12.000 12.000 452

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.7.plat
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 1.000 2.000 3.000 4.022 5.000 12.000 452

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.7.quant

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0.000	0.000	0.500	1.004	0.630	25.500	452

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.7.sour

22	23	NA's
117	21	452

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.7.vol

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0.000	0.000	3.330	8.604	3.330	172.000	452

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.7.year

2009	2010	2011	2013	NA's
4	61	52	21	452

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.8.bios

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
9.753e+07	9.888e+07	1.539e+08	2.073e+08	1.539e+08	1.053e+09	566

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.8.cent

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1.000	8.000	8.000	7.361	9.000	10.000	554

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.8.conc

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0.05	0.08	0.15	0.13	0.17	0.19	554

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.8.day_

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
2.00	17.00	19.00	18.72	26.00	28.00	554

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.8.is_d

no NA's
36 554

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.8.mont

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1	6	7	8	12	12	554

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.8.plat

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1.000	1.000	3.500	3.833	6.000	10.000	554

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.8.quant

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
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0.0000  0.0000  0.7650  0.8292  1.0700  4.6600  554

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.8.sour
  22  23 NA's
  24  12  554

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.8.volu
  Min. 1st Qu.  Median      Mean 3rd Qu.  Max.  NA's
  0.000  0.000  5.000  8.193  13.400  33.300  554

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.8.year
  Min. 1st Qu.  Median      Mean 3rd Qu.  Max.  NA's
  2009  2010  2011  2011  2013  2015  554

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.9.bios
  Min. 1st Qu.  Median      Mean 3rd Qu.  Max.  NA's
  97531696 116440647 153880920 139147287 153880984 167811755 580

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.9.cent
  1  8  9  10 NA's
  1  2  2  6  579

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.9.conc
  Min. 1st Qu.  Median      Mean 3rd Qu.  Max.  NA's
  0.0700  0.0750  0.0800  0.1073  0.1500  0.1700  579

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.9.day_
  Min. 1st Qu.  Median      Mean 3rd Qu.  Max.  NA's
  9.00  9.00  9.00  15.27  21.00  27.00  579

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.9.is_d
  no NA's
  11  579

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.9.mont
  Min. 1st Qu.  Median      Mean 3rd Qu.  Max.  NA's
  1.000  6.500  9.000  7.818  9.000  12.000  579

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.9.plat
  Min. 1st Qu.  Median      Mean 3rd Qu.  Max.  NA's
  1.000  1.000  2.000  3.454  4.000  11.000  579

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.9.plat
  a  b  d  h NA's
  6  3  1  1  579

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.9.quan
  Min. 1st Qu.  Median      Mean 3rd Qu.  Max.  NA's
  0.00  0.97  1.40  1.24  1.60  2.26  579

```

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.9.source
 22 23 NA's
 4 7 579

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.9.volume
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 0.000 9.985 13.400 13.646 20.000 20.000 579

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.9.year
 2010 2011 2013 2015 NA's
 3 1 6 1 579

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.biospe
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 97529003 97529732 97529774 107941183 97543502 167780541 522

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.center
 1 5 7 NA's
 568 10 3 9

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.concen
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 0.0100 0.1400 0.1500 0.1545 0.1600 0.5000 9

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.day_of
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 3.00 11.00 15.00 16.59 24.00 28.00 9

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.is_der
 no NA's
 581 9

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.month_
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 1.000 4.000 6.000 6.577 10.000 12.000 9

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.plate_
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 1.000 2.000 3.000 3.284 5.000 9.000 9

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.quantit
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 0.200 0.940 1.010 3.462 1.070 200.000 9

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.source
 22 23 NA's
 571 10 9

```
patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.volume
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.   NA's
  5.90   6.70   6.70   11.84   6.70  400.00    9
```

```
patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.year_o
2008 2009 2010 2014 NA's
  75  438   58   10   9
```

```
patient.samples.sample.portions.portion.analytes.analyte.amount:
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.   NA's
  0.00   0.00  76.67  218.34  402.34 1042.40    9
```

```
patient.samples.sample.portions.portion.analytes.analyte.analyte_type:
      dna      rna total rna      NA's
  574         4         3         9
```

```
patient.samples.sample.portions.portion.analytes.analyte.analyte_type_id:
  d   r   t NA's
  574  4   3   9
```

```
patient.samples.sample.portions.portion.analytes.analyte.concentration:
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.   NA's
  0.0100 0.1400  0.1500  0.1503  0.1600  0.1900    9
```

```
patient.samples.sample.portions.portion.analytes.analyte.dna.normal_tumor_genoty
yes NA's
  574   16
```

```
patient.samples.sample.portions.portion.analytes.analyte.dna.pcr_amplification_s
no  yes NA's
  40  534  16
```

```
patient.samples.sample.portions.portion.analytes.analyte.gel_image_file:
https://sharedoc.nchri.org/tcga-bcr/default.aspx
                                     581
                                     NA's
                                     9
```

```
patient.samples.sample.portions.portion.analytes.analyte.is_derived_from_ffpe:
no NA's
  581   9
```

```
patient.samples.sample.portions.portion.analytes.analyte.protocols.protocol.expe
adna preparation type allprep rna extraction      total rna
                                     574         4         3
                                     NA's
                                     9
```

```
patient.samples.sample.portions.portion.analytes.analyte.rna.ratio_28s_18s:
```

```

0    1  1.1  1.4 NA's
1    1    1    1  586

```

patient.samples.sample.portions.portion.analytes.analyte.rna.rinvalue:

```

7.5  7.6  8.6 NA's
2    1    1  586

```

patient.samples.sample.portions.portion.analytes.analyte.spectrophotometer_method:

```

picogreen  uv spec      NA's
          10      571      9

```

patient.samples.sample.portions.portion.analytes.analyte.subportion_sequence:

```

1    2 NA's
8    2  580

```

patient.samples.sample.portions.portion.day_of_creation:

```

Min. 1st Qu.  Median    Mean 3rd Qu.    Max.    NA's
1.00   4.00   17.00   15.04  21.00   31.00     5

```

patient.samples.sample.portions.portion.is_ffpe:

```

no NA's
585    5

```

patient.samples.sample.portions.portion.month_of_creation:

```

Min. 1st Qu.  Median    Mean 3rd Qu.    Max.    NA's
1.000  2.000   5.000   5.456  8.000  12.000     5

```

patient.samples.sample.portions.portion.portion_number:

```

Min. 1st Qu.  Median    Mean 3rd Qu.    Max.    NA's
1.000  1.000   1.000   1.253  1.000  12.000     5

```

patient.samples.sample.portions.portion.portion_sequence:

```

1 NA's
8  582

```

patient.samples.sample.portions.portion.slides.slide.2.is_derived_from_ffpe:

```

no NA's
563   27

```

patient.samples.sample.portions.portion.slides.slide.2.percent_lymphocyte_infiltration:

```

Min. 1st Qu.  Median    Mean 3rd Qu.    Max.    NA's
0.00   0.00   5.00   20.02  17.50  100.00   507

```

patient.samples.sample.portions.portion.slides.slide.2.percent_monocyte_infiltration:

```

Min. 1st Qu.  Median    Mean 3rd Qu.    Max.    NA's
0.000  0.000   0.000   1.638  0.000  30.000   543

```

patient.samples.sample.portions.portion.slides.slide.2.percent_necrosis:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 0.000 0.000 1.000 2.957 5.000 20.000 27

patient.samples.sample.portions.portion.slides.slide.2.percent_neutrophil_infiltration:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 0.00 0.00 0.00 7.72 5.00 50.00 540

patient.samples.sample.portions.portion.slides.slide.2.percent_normal_cells:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 0.000 0.000 0.000 2.392 0.000 85.000 39

patient.samples.sample.portions.portion.slides.slide.2.percent_stromal_cells:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 0.00 5.00 10.00 12.27 20.00 89.00 46

patient.samples.sample.portions.portion.slides.slide.2.percent_tumor_cells:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 0.0 75.0 85.0 81.4 90.0 100.0 41

patient.samples.sample.portions.portion.slides.slide.2.percent_tumor_nuclei:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 0.00 85.00 90.00 88.18 95.00 99.00 27

patient.samples.sample.portions.portion.slides.slide.2.section_location:
 bottom top NA's
 45 518 27

patient.samples.sample.portions.portion.slides.slide.is_derived_from_ffpe:
 no NA's
 575 15

patient.samples.sample.portions.portion.slides.slide.percent_lymphocyte_infiltration:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 0.00 0.00 4.00 14.03 10.00 100.00 496

patient.samples.sample.portions.portion.slides.slide.percent_monocyte_infiltration:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 0.000 0.000 0.000 1.403 1.000 20.000 533

patient.samples.sample.portions.portion.slides.slide.percent_necrosis:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 0.00 0.00 1.00 3.24 5.00 20.00 15

patient.samples.sample.portions.portion.slides.slide.percent_neutrophil_infiltration:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 0.000 0.000 0.000 5.648 3.750 50.000 536

patient.samples.sample.portions.portion.slides.slide.percent_normal_cells:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0.000	0.000	0.000	2.383	0.000	58.000	26

patient.samples.sample.portions.portion.slides.slide.percent_stromal_cells:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0.00	5.00	10.00	13.44	20.00	90.00	39

patient.samples.sample.portions.portion.slides.slide.percent_tumor_cells:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0.00	75.00	85.00	80.05	90.00	100.00	28

patient.samples.sample.portions.portion.slides.slide.percent_tumor_nuclei:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
60.00	80.00	90.00	87.44	95.00	99.00	15

patient.samples.sample.portions.portion.slides.slide.section_location:

bottom	top	NA's
518	57	15

patient.samples.sample.portions.portion.weight:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
25.0	106.0	122.0	121.9	140.0	229.0	15

patient.samples.sample.portions.portion.year_of_creation:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
2008	2009	2009	2009	2009	2014	5

patient.samples.sample.portions.shipment_portion.2.center_id:

20	28	29	NA's
4	117	55	414

patient.samples.sample.portions.shipment_portion.2.is_ffpe:

no	NA's
176	414

patient.samples.sample.portions.shipment_portion.2.plate_id:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
2214	2222	2223	2223	2224	2225	414

patient.samples.sample.portions.shipment_portion.2.portion_number:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
21.00	31.00	31.00	30.69	31.00	41.00	414

patient.samples.sample.portions.shipment_portion.2.shipment_portion_day_of_shipment:

2	12	NA's
172	4	414

patient.samples.sample.portions.shipment_portion.2.shipment_portion_month_of_shipment:

3	4	NA's
4	172	414

patient.samples.sample.portions.shipment_portion.2.shipment_portion_year_of_ship
 2012 NA's
 176 414

patient.samples.sample.portions.shipment_portion.3.center_id:
 28 29 NA's
 2 33 555

patient.samples.sample.portions.shipment_portion.3.is_ffpe:
 no NA's
 35 555

patient.samples.sample.portions.shipment_portion.3.plate_id:
 2222 2224 2225 NA's
 2 27 6 555

patient.samples.sample.portions.shipment_portion.3.portion_number:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 22.00 32.00 32.00 32.26 32.00 42.00 555

patient.samples.sample.portions.shipment_portion.3.shipment_portion_day_of_shipm
 2 NA's
 35 555

patient.samples.sample.portions.shipment_portion.3.shipment_portion_month_of_shi
 4 NA's
 35 555

patient.samples.sample.portions.shipment_portion.3.shipment_portion_year_of_ship
 2012 NA's
 35 555

patient.samples.sample.portions.shipment_portion.4.bcr_shipment_portion_uuid:
 fec21c14-b283-4442-a720-bcd59a8bd52a NA's
 1 589

patient.samples.sample.portions.shipment_portion.4.center_id:
 29 NA's
 1 589

patient.samples.sample.portions.shipment_portion.4.is_ffpe:
 no NA's
 1 589

patient.samples.sample.portions.shipment_portion.4.plate_id:
 2224 NA's
 1 589

patient.samples.sample.portions.shipment_portion.4.portion_number:

```

42 NA's
1 589

patient.samples.sample.portions.shipment_portion.4.shipment_portion_bcr_aliquot_
tcga-13-1489-01a-42-2224-29 NA's
1 589

patient.samples.sample.portions.shipment_portion.4.shipment_portion_day_of_shipm
2 NA's
1 589

patient.samples.sample.portions.shipment_portion.4.shipment_portion_month_of_shi
4 NA's
1 589

patient.samples.sample.portions.shipment_portion.4.shipment_portion_year_of_ship
2012 NA's
1 589

patient.samples.sample.portions.shipment_portion.center_id:
20 28 29 NA's
420 3 2 165

patient.samples.sample.portions.shipment_portion.is_ffpe:
no NA's
425 165

patient.samples.sample.portions.shipment_portion.portion_number:
3 11 21 31 NA's
16 14 387 8 165

patient.samples.sample.portions.shipment_portion.portion_sequence:
2 NA's
8 582

patient.samples.sample.portions.shipment_portion.shipment_portion_day_of_shipmen
2 12 14 30 NA's
5 3 407 10 165

patient.samples.sample.portions.shipment_portion.shipment_portion_month_of_shipm
2 3 4 7 NA's
407 3 5 10 165

patient.samples.sample.portions.shipment_portion.shipment_portion_year_of_shipme
2011 2012 2014 NA's
407 8 10 165

patient.samples.sample.sample_type:
primary tumor recurrent tumor

```

589 1

patient.samples.sample.sample_type_id:

1 2
589 1

patient.samples.sample.shortest_dimension:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0.0500	0.3000	0.4000	0.4252	0.5000	1.5000	20

patient.samples.sample.vial_number:

a	b	c	d
566	21	2	1

PAAD

Pancreatic adenocarcinoma

Description

A document describing the TCGA cancer code

Details

```
> experiments( PAAD )
```

ExperimentList class object of length 9:

```
[1] CNASNP-20160128: RaggedExperiment with 203871 rows and 368 columns
[2] CNVSNP-20160128: RaggedExperiment with 34808 rows and 365 columns
[3] GISTIC_AllByGene-20160128: SummarizedExperiment with 24776 rows and 184 columns
[4] GISTIC_ThresholdedByGene-20160128: SummarizedExperiment with 24776 rows and 184 columns
[5] Methylation-20160128: SummarizedExperiment with 485577 rows and 195 columns
[6] miRNASeqGene-20160128: SummarizedExperiment with 1046 rows and 183 columns
[7] Mutation-20160128: RaggedExperiment with 30357 rows and 150 columns
[8] RNASeq2GeneNorm-20160128: SummarizedExperiment with 20501 rows and 183 columns
[9] RPPAArray-20160128: SummarizedExperiment with 195 rows and 123 columns
```

```
> rownames( PAAD )
```

CharacterList of length 9

```
[[ "CNASNP-20160128" ]] character(0)
[[ "CNVSNP-20160128" ]] character(0)
[[ "GISTIC_AllByGene-20160128" ]] ACAP3 ACTRT2 ... WASIR1|ENSG00000185203.7
[[ "GISTIC_ThresholdedByGene-20160128" ]] ACAP3 ... WASIR1|ENSG00000185203.7
[[ "Methylation-20160128" ]] cg00000029 cg00000108 ... rs966367 rs9839873
[[ "miRNASeqGene-20160128" ]] hsa-let-7a-1 hsa-let-7a-2 ... hsa-mir-99b
[[ "Mutation-20160128" ]] character(0)
[[ "RNASeq2GeneNorm-20160128" ]] A1BG A1CF A2BP1 A2LD1 ... ZZZ3 psiTPTE22 tAKR
[[ "RPPAArray-20160128" ]] 14-3-3_beta 14-3-3_epsilon ... p90RSK_pT359_S363
```

```
> colnames( PAAD )
```

CharacterList of length 9

```
[[ "CNASNP-20160128" ]] TCGA-2J-AAB1-01A-11D-A40V-01 ...
```

```
[["CNVSNP-20160128"]] TCGA-2J-AAB1-01A-11D-A40V-01 ...
[["GISTIC_AllByGene-20160128"]] TCGA-2J-AAB1-01A-11D-A40V-01 ...
[["GISTIC_ThresholdedByGene-20160128"]] TCGA-2J-AAB1-01A-11D-A40V-01 ...
[["Methylation-20160128"]] TCGA-2J-AAB1-01A-11D-A40Y-05 ...
[["miRNASeqGene-20160128"]] TCGA-2J-AAB1-01A-11R-A41G-13 ...
[["Mutation-20160128"]] TCGA-2J-AAB1-01A-11D-A40W-08 ...
[["RNASeq2GeneNorm-20160128"]] TCGA-2J-AAB1-01A-11R-A41B-07 ...
[["RPPAArray-20160128"]] TCGA-2J-AAB4-01A-21-A43K-20 ...
```

Sizes of each ExperimentList element:

	assay	size.Mb
1	CNASNP-20160128	5.6 Mb
2	CNVSNP-20160128	1 Mb
3	GISTIC_AllByGene-20160128	4.3 Mb
4	GISTIC_ThresholdedByGene-20160128	4.3 Mb
5	Methylation-20160128	67.4 Mb
6	miRNASeqGene-20160128	0.1 Mb
7	Mutation-20160128	105 Mb
8	RNASeq2GeneNorm-20160128	1.1 Mb
9	RPPAArray-20160128	0 Mb

Overall survival time-to-event summary (in years):

```
Call: survfit(formula = survival::Surv(colDat$days_to_death/365, colDat$vital_status - 1)
```

```
      85 observations deleted due to missingness
      n events median 0.95LCL 0.95UCL
100.000 100.000  1.079  0.967  1.315
```

Available sample meta-data:

```
years_to_birth:
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.
 35.00  57.00   65.00   64.86  73.00   88.00
```

```
vital_status:
  0  1
 85 100
```

```
days_to_death:
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.   NA's
  12.0  228.5   394.0   459.5  596.5  2182.0    85
```

```
days_to_last_followup:
```

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0.0	338.0	517.0	692.4	951.0	2741.0	100

tumor_tissue_site:
 pancreas
 185

pathology_N_stage:
 n0 n1 n1b nx NA's
 50 126 4 4 1

pathology_M_stage:
 m0 m1 mx
 85 5 95

gender:
 female male
 83 102

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
2001	2010	2012	2011	2012	2013	1

date_of_initial_pathologic_diagnosis:

radiation_therapy:
 no yes NA's
 125 45 15

histological_type:
 pancreas-adenocarcinoma ductal type
 154
 pancreas-adenocarcinoma-other subtype
 25
 pancreas-colloid (mucinous non-cystic) carcinoma
 4
 pancreas-undifferentiated carcinoma
 1
 NA's
 1

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0.30	15.00	25.00	26.84	40.00	75.00	128

number_pack_years_smoked:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1948	1960	1971	1971	1982	1993	138

year_of_tobacco_smoking_onset:

residual_tumor:
 r0 r1 r2 rx NA's
 111 53 5 4 12

number_of_lymph_nodes:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0.000	0.000	2.000	2.989	4.000	16.000	4

race:

asian	black or african american	white
11	7	162
NA's		
5		

ethnicity:

hispanic or latino	not hispanic or latino	NA's
5	137	43

admin.bcr:

nationwide children's hospital
185

admin.day_of_dcc_upload:

1
185

admin.disease_code:

paad
185

admin.month_of_dcc_upload:

10
185

admin.patient_withdrawal.withdrawn:

false
185

admin.project_code:

tcga
185

admin.year_of_dcc_upload:

2015
185

patient.adenocarcinoma_invasion:

no	yes
1	184

patient.age_at_initial_pathologic_diagnosis:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.
35.00	57.00	65.00	64.86	73.00	88.00

patient.alcohol_history_documented:

no	yes	NA's
65	102	18

patient.amt_alcohol_consumption_per_day:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0.500	1.000	1.000	1.581	2.000	4.000	154

patient.anatomic_neoplasm_subdivision:

body of pancreas	head of pancreas	other (please specify)
14	146	11
tail of pancreas		
14		

patient.clinical_cqcf.anatomic_neoplasm_subdivision:

other (please specify)	NA's
4	181

patient.clinical_cqcf.anatomic_neoplasm_subdivision_other:

distal pancreas	duct	pancreas uncinata process
1	1	1
NA's		
181		

patient.clinical_cqcf.consent_or_death_status:

consented	deceased
176	9

patient.clinical_cqcf.days_to_consent:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
-167.00	-4.00	0.00	32.23	14.50	2072.00	10

patient.clinical_cqcf.days_to_death:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
61	334	541	526	702	1101	176

patient.clinical_cqcf.histological_type:

pancreas-adenocarcinoma ductal type	154
pancreas-adenocarcinoma-other subtype	26
pancreas-colloid (mucinous non-cystic) carcinoma	4
pancreas-undifferentiated carcinoma	1

patient.clinical_cqcf.history_of_neoadjuvant_treatment:

no	yes, radiation prior to resection
----	-----------------------------------

184

1

patient.clinical_cqcf.history_of_prior_malignancy:
 no yes, history of prior malignancy
 166 19

patient.clinical_cqcf.normal_tissue_anatomic_site:
 other NA's
 17 168

patient.clinical_cqcf.normal_tissue_proximity:
 distal (>2cm) NA's
 45 140

patient.clinical_cqcf.other_anatomic_site:
 distal pancreas duct pancreas uncinete process
 1 1 1 1
 NA's
 181

patient.clinical_cqcf.tumor_type:
 primary
 185

patient.day_of_form_completion:
 Min. 1st Qu. Median Mean 3rd Qu. Max.
 1.00 8.00 13.00 14.09 22.00 30.00

patient.days_to_birth:
 Min. 1st Qu. Median Mean 3rd Qu. Max.
 -32475 -26936 -24007 -23884 -20984 -13127

patient.days_to_death:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 12.0 153.5 444.0 456.6 616.0 2182.0 119

patient.days_to_diabetes_onset:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 -9070.00 -163.00 -52.00 -706.79 -17.75 504.00 171

patient.days_to_initial_pathologic_diagnosis:
 0 NA's
 184 1

patient.days_to_last_followup:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 0.0 31.0 194.0 377.7 396.5 2558.0 66

patient.days_to_pancreatitis_onset:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 -18029.0 -231.5 -71.0 -1744.2 -38.0 1.0 174

patient.drugs.drug.2.day_of_form_completion:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 1.0 7.0 21.0 17.3 26.0 31.0 138

patient.drugs.drug.2.days_to_drug_therapy_end:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 21.0 147.0 205.0 338.7 442.0 1789.0 144

patient.drugs.drug.2.days_to_drug_therapy_start:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 5.0 97.5 135.0 256.0 403.0 1332.0 138

patient.drugs.drug.2.measure_of_response:
 clinical progressive disease complete response
 10 9
 partial response stable disease
 1 6
 NA's
 159

patient.drugs.drug.2.month_of_form_completion:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 1.000 5.000 8.000 7.362 10.000 12.000 138

patient.drugs.drug.2.therapy_ongoing:
 no yes NA's
 42 5 138

patient.drugs.drug.2.therapy_types.therapy_type:
 ancillary chemotherapy hormone therapy NA's
 2 44 1 138

patient.drugs.drug.2.tx_on_clinical_trial:
 no yes NA's
 44 3 138

patient.drugs.drug.2.year_of_form_completion:
 2012 2013 2014 2015 NA's
 3 9 32 3 138

patient.drugs.drug.3.day_of_form_completion:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 1.00 4.00 14.00 14.94 24.00 31.00 152

patient.drugs.drug.3.days_to_drug_therapy_end:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 21.0 136.8 306.5 413.4 544.5 1789.0 163

stable disease	3	NA's 175				
patient.drugs.drug.4.month_of_form_completion:						
Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
2.00	6.00	8.50	7.80	10.25	12.00	165
patient.drugs.drug.4.therapy_ongoing:						
no	yes	NA's				
14	6	165				
patient.drugs.drug.4.therapy_types.therapy_type:						
ancillary	chemotherapy	NA's				
2	18	165				
patient.drugs.drug.4.tx_on_clinical_trial:						
no	NA's					
20	165					
patient.drugs.drug.4.year_of_form_completion:						
2012	2013	2014	2015	NA's		
1	3	13	3	165		
patient.drugs.drug.5.day_of_form_completion:						
Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1.00	4.00	11.00	12.93	22.50	31.00	170
patient.drugs.drug.5.days_to_drug_therapy_end:						
Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
142.0	300.8	512.0	547.2	658.0	1377.0	175
patient.drugs.drug.5.days_to_drug_therapy_start:						
Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
73.0	236.5	421.0	451.1	546.0	1309.0	170
patient.drugs.drug.5.measure_of_response:						
clinical	progressive disease			complete	response	
		3			1	
		stable disease			NA's	
		3			178	
patient.drugs.drug.5.month_of_form_completion:						
Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
2.0	5.5	7.0	7.4	10.0	12.0	170
patient.drugs.drug.5.therapy_ongoing:						
no	yes	NA's				
10	5	170				

```

patient.drugs.drug.5.therapy_types.therapy_type:
  ancillary chemotherapy      NA's
      2          13          170

patient.drugs.drug.5.tx_on_clinical_trial:
  no NA's
  15 170

patient.drugs.drug.5.year_of_form_completion:
2012 2013 2014 2015 NA's
   1    2    9    3 170

patient.drugs.drug.6.day_of_form_completion:
  Min. 1st Qu.  Median  Mean 3rd Qu.  Max.  NA's
   1.00   4.00  14.00 14.56  24.00  31.00  176

patient.drugs.drug.6.days_to_drug_therapy_end:
  Min. 1st Qu.  Median  Mean 3rd Qu.  Max.  NA's
 485.0  533.8  579.5  752.2  875.0 1377.0  179

patient.drugs.drug.6.days_to_drug_therapy_start:
  Min. 1st Qu.  Median  Mean 3rd Qu.  Max.  NA's
  81.0  280.0  421.0  511.2  539.0 1309.0  176

patient.drugs.drug.6.measure_of_response:
clinical progressive disease      stable disease
              3                      2
              NA's
              180

patient.drugs.drug.6.month_of_form_completion:
  Min. 1st Qu.  Median  Mean 3rd Qu.  Max.  NA's
   5.000   6.000   7.000   7.111   8.000  11.000  176

patient.drugs.drug.6.therapy_ongoing:
  no  yes NA's
   7   2 176

patient.drugs.drug.6.therapy_types.therapy_type:
  ancillary chemotherapy      NA's
      1          8          176

patient.drugs.drug.6.tx_on_clinical_trial:
  no NA's
   9 176

patient.drugs.drug.6.year_of_form_completion:
2012 2013 2014 2015 NA's
   1    2    4    2 176

```


patient.drugs.drug.8.day_of_form_completion:

14 31 NA's
1 1 183

patient.drugs.drug.8.days_to_drug_therapy_end:

960 1230 NA's
1 1 183

patient.drugs.drug.8.days_to_drug_therapy_start:

910 1224 NA's
1 1 183

patient.drugs.drug.8.drug_name:

5-fu gemzar NA's
1 1 183

patient.drugs.drug.8.measure_of_response:

clinical progressive disease	stable disease
1	1
NA's	
183	

patient.drugs.drug.8.month_of_form_completion:

6 7 NA's
1 1 183

patient.drugs.drug.8.therapy_ongoing:

no NA's
2 183

patient.drugs.drug.8.therapy_types.therapy_type:

chemotherapy NA's
2 183

patient.drugs.drug.8.tx_on_clinical_trial:

no NA's
2 183

patient.drugs.drug.8.year_of_form_completion:

2013 2015 NA's
1 1 183

patient.drugs.drug.9.bcr_drug_barcode:

tcga-hz-7918-d72673 NA's
1 184

patient.drugs.drug.9.bcr_drug_uuid:

3d4abd41-5041-4da3-af5c-790cee5dcc4c NA's
1 184

patient.drugs.drug.9.day_of_form_completion:

31 NA's

1 184

patient.drugs.drug.9.days_to_drug_therapy_end:

960 NA's

1 184

patient.drugs.drug.9.days_to_drug_therapy_start:

910 NA's

1 184

patient.drugs.drug.9.drug_name:

leucovorin NA's

1 184

patient.drugs.drug.9.measure_of_response:

stable disease NA's

1 184

patient.drugs.drug.9.month_of_form_completion:

7 NA's

1 184

patient.drugs.drug.9.therapy_ongoing:

no NA's

1 184

patient.drugs.drug.9.therapy_types.therapy_type:

ancillary NA's

1 184

patient.drugs.drug.9.tx_on_clinical_trial:

no NA's

1 184

patient.drugs.drug.9.year_of_form_completion:

2015 NA's

1 184

patient.drugs.drug.clinical_trial_drug_classification:

immunization NA's

1 184

patient.drugs.drug.day_of_form_completion:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1.00	5.00	14.00	15.52	26.00	31.00	64

patient.drugs.drug.days_to_drug_therapy_end:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
21.0	140.5	204.0	247.9	252.2	1895.0	81

```

patient.drugs.drug.days_to_drug_therapy_start:
  Min. 1st Qu.  Median    Mean 3rd Qu.  Max.    NA's
  5.00  55.75   82.50  131.23  116.00 1834.00   69

patient.drugs.drug.measure_of_response:
clinical progressive disease      complete response
                                40                      29
                                partial response          stable disease
                                4                        3
                                NA's
                                109

patient.drugs.drug.month_of_form_completion:
  Min. 1st Qu.  Median    Mean 3rd Qu.  Max.    NA's
  1.000  5.000   8.000   6.769   9.000  12.000   64

patient.drugs.drug.therapy_ongoing:
  no  yes NA's
  113  8  64

patient.drugs.drug.therapy_types.therapy_type:
                                ancillary  chemotherapy hormone therapy      vaccine      NA's
                                2              117              1              1              64

patient.drugs.drug.tx_on_clinical_trial:
  no  yes NA's
  113  6  66

patient.drugs.drug.year_of_form_completion:
2012 2013 2014 2015 NA's
  6   23  87   5   64

patient.ethnicity:
  hispanic or latino not hispanic or latino      NA's
                                5                      137                      43

patient.family_history_of_cancer:
  no  yes NA's
  47  66  72

patient.follow_ups.follow_up.2.day_of_form_completion:
  Min. 1st Qu.  Median    Mean 3rd Qu.  Max.    NA's
  3.00  11.25   15.00   16.28  22.50  30.00   167

patient.follow_ups.follow_up.2.days_to_death:
  Min. 1st Qu.  Median    Mean 3rd Qu.  Max.    NA's
  239.0  498.0   592.0   594.8  732.0  913.0   180

patient.follow_ups.follow_up.2.days_to_last_followup:

```



```

patient.follow_ups.follow_up.2.new_tumor_events.new_tumor_event.progression_detected
biopsy with histologic confirmation          convincing imaging
                1                                6
                NA's
                178

patient.follow_ups.follow_up.2.new_tumor_events.new_tumor_event.progression_detected
positive biomarker (s)                      NA's
                1                                184

patient.follow_ups.follow_up.2.new_tumor_events.new_tumor_event_after_initial_treatment
no  yes NA's
 9   8 168

patient.follow_ups.follow_up.2.patient_death_reason:
pancreatic cancer                          NA's
                4                                181

patient.follow_ups.follow_up.2.person_neoplasm_cancer_status:
tumor free with tumor                      NA's
                9                                8                                168

patient.follow_ups.follow_up.2.primary_therapy_outcome_success:
complete remission/response  partial remission/response
                10                                3
progressive disease          NA's
                2                                170

patient.follow_ups.follow_up.2.radiation_therapy:
no  yes NA's
13   3 169

patient.follow_ups.follow_up.2.targeted_molecular_therapy:
no  yes NA's
 5  10 170

patient.follow_ups.follow_up.2.vital_status:
alive  dead  NA's
 13    5   167

patient.follow_ups.follow_up.2.year_of_form_completion:
2012 2013 2014 2015 NA's
  1    1   13    3  167

patient.follow_ups.follow_up.3.bcr_followup_barcode:
tcga-s4-a8ro-f67257 tcga-us-a776-f69517          NA's
                1                                1                                183

patient.follow_ups.follow_up.3.bcr_followup_uuid:
013de073-0a40-4e33-a174-5bbe965cb6cd 44158fe4-d564-4c50-9443-81288f382885
                1                                1

```

NA's
183

patient.follow_ups.follow_up.3.day_of_form_completion:
3 12 NA's
1 1 183

patient.follow_ups.follow_up.3.days_to_last_followup:
525 1216 NA's
1 1 183

patient.follow_ups.follow_up.3.followup_case_report_form_submission_reason:
additional new tumor event scheduled follow-up submission
1 1
NA's
183

patient.follow_ups.follow_up.3.followup_treatment_success:
complete remission/response NA's
1 184

patient.follow_ups.follow_up.3.lost_follow_up:
no NA's
2 183

patient.follow_ups.follow_up.3.month_of_form_completion:
1 11 NA's
1 1 183

patient.follow_ups.follow_up.3.new_tumor_events.new_tumor_event.additional_pharm
yes NA's
1 184

patient.follow_ups.follow_up.3.new_tumor_events.new_tumor_event.additional_radia
no NA's
1 184

patient.follow_ups.follow_up.3.new_tumor_events.new_tumor_event.days_to_new_tumo
291 NA's
1 184

patient.follow_ups.follow_up.3.new_tumor_events.new_tumor_event.new_neoplasm_eve
non-regional / distant lymph nodes NA's
1 184

patient.follow_ups.follow_up.3.new_tumor_events.new_tumor_event.new_neoplasm_eve
distant metastasis NA's
1 184

patient.follow_ups.follow_up.3.new_tumor_events.new_tumor_event.new_tumor_event_
no NA's
1 184

patient.follow_ups.follow_up.3.new_tumor_events.new_tumor_event.progression_detected
convincing imaging NA's
1 184

patient.follow_ups.follow_up.3.new_tumor_events.new_tumor_event_after_initial_treatment
no yes NA's
1 1 183

patient.follow_ups.follow_up.3.person_neoplasm_cancer_status:
tumor free with tumor NA's
1 1 183

patient.follow_ups.follow_up.3.primary_therapy_outcome_success:
complete remission/response NA's
1 184

patient.follow_ups.follow_up.3.radiation_therapy:
no NA's
1 184

patient.follow_ups.follow_up.3.targeted_molecular_therapy:
no NA's
1 184

patient.follow_ups.follow_up.3.vital_status:
alive NA's
2 183

patient.follow_ups.follow_up.3.year_of_form_completion:
2014 2015 NA's
1 1 183

patient.follow_ups.follow_up.day_of_form_completion:
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
1.00 8.00 18.00 18.18 29.00 31.00 30

patient.follow_ups.follow_up.days_to_death:
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
41.0 236.0 393.0 452.9 545.0 2036.0 112

patient.follow_ups.follow_up.days_to_last_followup:
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
8.0 382.0 525.0 707.6 882.0 2741.0 106

patient.follow_ups.follow_up.followup_case_report_form_submission_reason:
additional new tumor event scheduled follow-up submission
3 149
NA's
33

```

patient.follow_ups.follow_up.followup_treatment_success:
complete remission/response    partial remission/response
                                24                                4
      progressive disease                stable disease
                                48                                8
                                NA's
                                101
    
```

```

patient.follow_ups.follow_up.lost_follow_up:
no  yes NA's
146  8  31
    
```

```

patient.follow_ups.follow_up.month_of_form_completion:
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.   NA's
  1.000  6.500   8.000  7.697 10.000 12.000    30
    
```

```

patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.additional_pharmac
no  yes NA's
22  33 130
    
```

```

patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.additional_radiati
no  yes NA's
53  2  130
    
```

```

patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.days_to_new_tumor_
133 213 439 555 NA's
  1   1   1   1 181
    
```

```

patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.days_to_new_tumor_
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.   NA's
  74.0  192.0  343.0  398.1  510.8 1511.0   127
    
```

```

patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.new_neoplasm_event
  distant metastasis  locoregional recurrence    new primary tumor
                    45                                13                                1
                    NA's
                    126
    
```

```

patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.new_neoplasm_event
distant metastasis                                NA's
                    1                                184
    
```

```

patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.new_tumor_event_ad
no  yes NA's
51  4  130
    
```

```

patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.progression_determ
biopsy with histologic confirmation                convincing imaging
                                                18                                36
    
```

positive biomarker (s)			NA's
	1		130

patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.progression_determining_convincing_imaging_positive_biomarker (s)

	4	6	NA's
			175

patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.progression_determining_positive_biomarker (s)

		NA's
1		184

patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.residual_disease_progression

r0	r2	NA's
1	1	183

patient.follow_ups.follow_up.new_tumor_events.new_tumor_event_after_initial_treatment

no	yes	NA's
76	59	50

patient.follow_ups.follow_up.patient_death_reason:

other malignancy	other, non-malignant disease
2	5
pancreatic cancer	surgical complications
47	1
NA's	
130	

patient.follow_ups.follow_up.person_neoplasm_cancer_status:

tumor free	with tumor	NA's
45	87	53

patient.follow_ups.follow_up.primary_therapy_outcome_success:

complete remission/response	partial remission/response
58	8
progressive disease	stable disease
45	6
NA's	
68	

patient.follow_ups.follow_up.radiation_therapy:

no	yes	NA's
106	37	42

patient.follow_ups.follow_up.targeted_molecular_therapy:

no	yes	NA's
41	104	40

patient.follow_ups.follow_up.vital_status:

alive	dead	NA's
79	74	32

patient.follow_ups.follow_up.year_of_form_completion:

2012 2013 2014 2015 NA's
 4 30 112 9 30

patient.frequency_of_alcohol_consumption:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 0.500 3.000 6.500 4.812 7.000 7.000 153

patient.gender:
 female male
 83 102

patient.histologic_grading_tier_category:
 four tier three tier NA's
 74 31 80

patient.histological_type:
 pancreas-adenocarcinoma ductal type 154
 pancreas-adenocarcinoma-other subtype 25
 pancreas-colloid (mucinous non-cystic) carcinoma 4
 pancreas-undifferentiated carcinoma 1
 NA's 1

patient.history_of_chronic_pancreatitis:
 no yes NA's
 130 13 42

patient.history_of_diabetes:
 no yes NA's
 111 38 36

patient.history_of_neoadjuvant_treatment:
 no yes, radiation prior to resection
 184 1

patient.icd_10:
 c25.0 c25.1 c25.2 c25.8 c25.9
 141 15 11 2 16

patient.icd_o_3_site:
 c25.0 c25.1 c25.2 c25.8 c25.9
 141 15 11 2 16

patient.informed_consent_verified:
 yes
 185

```

patient.init_pathology_dx_method_other:
endoscopic ultrasound-guided fine needle aspiration
    1
    fine needle aspiration
    1
    fine needle aspiration biopsy
    2
    NA's
    181

```

```

patient.initial_pathologic_diagnosis_method:
cytology (e.g. peritoneal or pleural fluid)
    30
    other method, specify:
    4
    tissue biopsy
    38
    tumor resection
    108
    NA's
    5

```

```

patient.lymph_node_examined_count:
  Min. 1st Qu.  Median    Mean 3rd Qu.  Max.  NA's
  1.00  11.00  17.00  17.22  22.00  57.00  4

```

```

patient.maximum_tumor_dimension:
  Min. 1st Qu.  Median    Mean 3rd Qu.  Max.  NA's
  0.300  2.925  3.500  3.840  4.500  14.000  15

```

```

patient.month_of_form_completion:
  Min. 1st Qu.  Median    Mean 3rd Qu.  Max.
  1.000  3.000  6.000  6.292  9.000  12.000

```

```

patient.neoplasm_histologic_grade:
g1 g2 g3 g4 gx
32 97 51  2  3

```

```

patient.new_tumor_events.new_tumor_event.additional_pharmaceutical_therapy:
  no  yes NA's
  24  30  131

```

```

patient.new_tumor_events.new_tumor_event.additional_radiation_therapy:
  no  yes NA's
  51  4  130

```

```

patient.new_tumor_events.new_tumor_event.days_to_new_tumor_event_additional_surg
  Min. 1st Qu.  Median    Mean 3rd Qu.  Max.  NA's
  107.0  150.0  324.0  404.3  525.0  987.0  179

```

```

patient.new_tumor_events.new_tumor_event.days_to_new_tumor_event_after_initial_t

```


Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
7.0	154.0	342.0	388.3	492.0	1819.0	132

patient.new_tumor_events.new_tumor_event.new_neoplasm_event_types.new_neoplasm_e
distant metastasis locoregional recurrence new primary tumor
38 14 2
NA's
131

patient.new_tumor_events.new_tumor_event.new_neoplasm_event_types.new_neoplasm_e
distant metastasis NA's
1 184

patient.new_tumor_events.new_tumor_event.new_tumor_event_additional_surgery_pro
no yes NA's
45 6 134

patient.new_tumor_events.new_tumor_event.progression_determined_by_list.progress
biopsy with histologic confirmation convincing imaging
13 34
positive biomarker (s) NA's
3 135

patient.new_tumor_events.new_tumor_event.progression_determined_by_list.progress
convincing imaging positive biomarker (s) NA's
4 6 175

patient.new_tumor_events.new_tumor_event.progression_determined_by_list.progress
positive biomarker (s) NA's
1 184

patient.new_tumor_events.new_tumor_event.residual_disease_post_new_tumor_event_m
r0 r2 rx NA's
1 1 1 182

patient.new_tumor_events.new_tumor_event_after_initial_treatment:
no yes NA's
110 54 21

patient.number_of_lymphnodes_positive_by_he:
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
0.000 0.000 2.000 2.989 4.000 16.000 4

patient.number_of_lymphnodes_positive_by_ihc:
0 NA's
55 130

patient.number_pack_years_smoked:
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
0.30 15.00 25.00 26.84 40.00 75.00 128

patient.person_neoplasm_cancer_status:

tumor free with tumor	NA's
56 77	52

patient.primary_lymph_node_presentation_assessment:

no	yes	NA's
4	180	1

patient.primary_therapy_outcome_success:

complete remission/response	partial remission/response
43	8
progressive disease	stable disease
46	8
NA's	
80	

patient.prior_dx:

	no	yes, history of prior malignancy
166		19

patient.race:

	asian	black or african american	white
11		7	162
NA's			
5			

patient.radiation_therapy:

no	yes	NA's
108	33	44

patient.radiations.radiation.2.anatomic_treatment_site:

primary tumor field	regional site	NA's
2	1	182

patient.radiations.radiation.2.bcr_radiation_barcode:

tcga-fb-a545-r50069	tcga-oe-a75w-r66434	tcga-yy-a8lh-r58240	NA's
1	1	1	182

patient.radiations.radiation.2.bcr_radiation_uuid:

1f42a1e5-9307-4c7b-bd3d-626f869eeae9	405523fd-07ac-4ea7-9520-8523377f77fa
1	1
63e87529-bce7-4100-8f19-b4daa63587dc	NA's
1	182

patient.radiations.radiation.2.day_of_form_completion:

3	15	16	NA's
1	1	1	182

patient.radiations.radiation.2.days_to_radiation_therapy_end:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
77.0	119.5	144.0	179.7	202.5	565.0	142

patient.radiations.radiation.days_to_radiation_therapy_start:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
44.0	77.0	105.0	133.2	143.5	540.0	142

patient.radiations.radiation.measure_of_response:

complete response radiographic progressive disease	14	12
stable disease	2	157

patient.radiations.radiation.month_of_form_completion:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1.00	5.75	8.00	7.50	9.00	11.00	141

patient.radiations.radiation.numfractions:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
5.00	25.00	27.50	25.42	28.00	37.00	149

patient.radiations.radiation.radiation_dosage:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
20	4635	5040	4462	5040	5580	145

patient.radiations.radiation.radiation_treatment_ongoing:

no NA's	43	142
---------	----	-----

patient.radiations.radiation.radiation_type:

external	41	144
----------	----	-----

patient.radiations.radiation.units:

cgy	gy	NA's
35	4	146

patient.radiations.radiation.year_of_form_completion:

2012	2013	2014	2015	NA's
3	4	35	2	141

patient.relative_cancer_types.relative_cancer_type:

breast	melanoma	other	pancreas	NA's
10	2	40	12	121

patient.relative_cancer_types.relative_cancer_type.2:

other	NA's
8	177

patient.residual_tumor:

r0	r1	r2	rx	NA's
111	53	5	4	12

```

patient.source_of_patient_death_reason:
      autopsy death certificate      medical record      NA's
          1              21              41              122

```

```

patient.stage_event.system_version:
5th 6th 7th
  1  26 158

```

```

patient.stage_event.tnm_categories.pathologic_categories.pathologic_m:
m0 m1 mx
85  5 95

```

```

patient.stage_event.tnm_categories.pathologic_categories.pathologic_n:
n0  n1  n1b  nx NA's
50 126   4   4   1

```

```

patient.stopped_smoking_year:
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.    NA's
1952   1980   1988   1990   2004   2013   135

```

```

patient.surgery_performed_type:
      distal pancreatectomy other method (please specify)
                          23                               14
      total pancreatectomy                               whipple
                          3                               143
                          NA's
                          2

```

```

patient.targeted_molecular_therapy:
  no  yes NA's
 49  94  42

```

```

patient.tissue_prospective_collection_indicator:
  no yes
100 85

```

```

patient.tissue_retrospective_collection_indicator:
  no yes
 85 100

```

```

patient.tumor_tissue_site:
pancreas
  185

```

```

patient.tumor_type:
primary

```

185

patient.vital_status:

alive	dead
119	66

patient.year_of_form_completion:

2012	2013	2014	2015
23	63	93	6

patient.year_of_initial_pathologic_diagnosis:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
2001	2010	2012	2011	2012	2013	1

patient.year_of_tobacco_smoking_onset:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1948	1960	1971	1971	1982	1993	138

patient.microsatellite_instability_test_results.microsatellite_instability_test.

indeterminate	msi-l	mss	not tested
28	9	146	2

patient.bcr_canonical_check.bcr_patient_canonical_reasons.bcr_canonical_reason:

case matched expression control	case matched methylation control
4	3
germline comparison	primary tumor and metastatic tumor(s)
2	1
NA's	
175	

patient.bcr_canonical_check.bcr_patient_canonical_reasons.bcr_canonical_reason.2

case matched methylation control	NA's
4	181

patient.bcr_canonical_check.bcr_patient_canonical_reasons.bcr_canonical_reason.3

germline comparison	NA's
4	181

patient.bcr_canonical_check.bcr_patient_canonical_status:

canonical	canonical - plus
175	10

patient.biospecimen_cqcf.consent_or_death_status:

consented	deceased
176	9

patient.biospecimen_cqcf.days_to_pathology_review:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0.0	59.5	133.5	454.3	669.8	4126.0	3

patient.biospecimen_cqcf.days_to_sample_procurement:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 -31.00 0.00 0.00 14.46 23.00 171.00 1

patient.biospecimen_cqcf.digital_image_submitted:
 no yes
 155 30

patient.biospecimen_cqcf.ethnicity:
 hispanic or latino not hispanic or latino NA's
 4 88 93

patient.biospecimen_cqcf.frozen_specimen_anatomic_site:
 other pancreas
 4 181

patient.biospecimen_cqcf.histological_type:
 pancreas-adenocarcinoma ductal type 154
 pancreas-adenocarcinoma-other subtype 26
 pancreas-colloid (mucinous non-cystic) carcinoma 4
 pancreas-undifferentiated carcinoma 1

patient.biospecimen_cqcf.history_of_neoadjuvant_treatment:
 no yes, radiation prior to resection
 184 1

patient.biospecimen_cqcf.method_of_sample_procurement:
 surgical resection
 185

patient.biospecimen_cqcf.normal_controls.normal_control.2.days_to_normal_sample:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 -1.0 0.0 0.0 5.6 0.0 36.0 170

patient.biospecimen_cqcf.normal_controls.normal_control.2.method_of_normal_sampl
 blood draw surgical resection NA's
 8 7 170

patient.biospecimen_cqcf.normal_controls.normal_control.2.normal_tissue.normal_t
 other NA's
 3 182

patient.biospecimen_cqcf.normal_controls.normal_control.2.normal_tissue.normal_t
 distal (>2cm) NA's
 7 178

patient.biospecimen_cqcf.normal_controls.normal_control.2.vial_number:
 1 NA's
 16 169

patient.biospecimen_cqcf.normal_controls.normal_control.days_to_normal_sample_pr
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 -31.00 0.00 4.50 79.91 28.00 2072.00 3

patient.biospecimen_cqcf.normal_controls.normal_control.extracted_dna.ncedna_dna
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 0.0513 0.1400 0.2319 42.3044 0.4450 250.0000 96

patient.biospecimen_cqcf.normal_controls.normal_control.extracted_dna.ncedna_dna
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 15.00 15.00 20.00 20.63 20.00 75.00 96

patient.biospecimen_cqcf.normal_controls.normal_control.extracted_dna.ncedna_dna
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 0.102 60.000 94.000 123.072 150.000 640.000 96

patient.biospecimen_cqcf.normal_controls.normal_control.method_of_normal_sample_
 blood draw surgical resection NA's
 145 38 2

patient.biospecimen_cqcf.normal_controls.normal_control.normal_tissue.normal_tis
 other NA's
 14 171

patient.biospecimen_cqcf.normal_controls.normal_control.normal_tissue.normal_tis
 distal (>2cm) NA's
 38 147

patient.biospecimen_cqcf.normal_controls.normal_control.vial_number:
 1 2 NA's
 183 1 1

patient.biospecimen_cqcf.other_vessel_used:
 50ml conical polycon NA's
 1 17 167

patient.biospecimen_cqcf.path_confirm_diagnosis_matching:
 no yes
 1 184

patient.biospecimen_cqcf.path_confirm_report_attached:
 yes
 185

patient.biospecimen_cqcf.path_confirm_tumor_necrosis_metrics:
 yes

185

patient.biospecimen_cqcf.path_confirm_tumor_nuclei_metrics:

no yes
1 184

patient.biospecimen_cqcf.race:

	asian black or african american	white
	10 3	112
	NA's	
	60	

patient.biospecimen_cqcf.reason_path_confirm_diagnosis_not_matching:

pathology review of frozen section for tcga determined histological subtype diff

patient.biospecimen_cqcf.sample_prescreened:

no yes
3 182

patient.biospecimen_cqcf.site_of_disease:

other pancreas	NA's
4 171	10

patient.biospecimen_cqcf.site_of_disease_description:

other pancreatic body	pancreatic head	pancreatic tail	NA's
4	13	144	10
		14	

patient.biospecimen_cqcf.site_of_disease_text:

distal pancreas	duct	pancreas uncinata process
1	1	1 1
NA's		
181		

patient.biospecimen_cqcf.submitted_for_lce:

no yes
139 46

patient.biospecimen_cqcf.top_slide_submitted:

no yes
28 157

patient.biospecimen_cqcf.tumor_samples.tumor_sample.2.bcr_sample_uuid:

6330144b-5365-400b-a0ca-fbb5c86a3759	NA's
1	184

patient.biospecimen_cqcf.tumor_samples.tumor_sample.2.tumor_necrosis_percent:

0 NA's
1 184

patient.biospecimen_cqcf.tumor_samples.tumor_sample.2.tumor_nuclei_percent:
 30 NA's
 1 184

patient.biospecimen_cqcf.tumor_samples.tumor_sample.2.tumor_weight:
 59 NA's
 1 184

patient.biospecimen_cqcf.tumor_samples.tumor_sample.2.vial_number:
 1 NA's
 1 184

patient.biospecimen_cqcf.tumor_samples.tumor_sample.tumor_necrosis_percent:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 0.000 0.000 0.000 2.103 1.250 30.000 1

patient.biospecimen_cqcf.tumor_samples.tumor_sample.tumor_nuclei_percent:
 Min. 1st Qu. Median Mean 3rd Qu. Max.
 5.00 25.00 55.00 54.03 75.00 100.00

patient.biospecimen_cqcf.tumor_samples.tumor_sample.tumor_weight:
 Min. 1st Qu. Median Mean 3rd Qu. Max.
 15.0 116.0 187.0 222.9 250.0 1654.0

patient.biospecimen_cqcf.tumor_samples.tumor_sample.vial_number:
 1
 185

patient.biospecimen_cqcf.vessel_used:
 biospecimen storage bag cassette cryomold
 31 23 47
 cryovial other (please specify)
 66 18

patient.days_to_index:
 0 NA's
 184 1

patient.samples.sample.2.bcr_biospecimen_canonical_reasons.bcr_canonical_reason:
 primary tumor and metastatic tumor(s) NA's
 1 184

patient.samples.sample.2.days_to_collection:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 11.00 87.75 318.50 598.77 943.75 4142.00 51

patient.samples.sample.2.initial_weight:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 50.0 200.0 490.0 487.6 690.0 1320.0 160

patient.samples.sample.2.intermediate_dimension:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0.5000	0.8000	1.0000	0.9714	1.0000	1.7000	178

patient.samples.sample.2.is_ffpe:

no
185

patient.samples.sample.2.longest_dimension:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0.900	1.150	1.400	1.386	1.550	2.000	178

patient.samples.sample.2.oct_embedded:

false	true	NA's
117	18	50

patient.samples.sample.2.pathology_report_file_name:

tcga-hz-a9tj.97e6278d-5acd-470c-847d-d882ea709b28.pdf
1
NA's
184

patient.samples.sample.2.pathology_report_uuid:

97e6278d-5acd-470c-847d-d882ea709b28
1
NA's
184

patient.samples.sample.2.portions.portion.analytes.analyte.2.a260_a280_ratio:

1.83 NA's
1 184

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.2.

tcga-hz-a9tj-06a-11r-a41g-13
1
NA's
184

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.2.

58e3274d-fd8e-4db0-8080-e2ddd6b6cb4d
1
NA's
184

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.2.

174189848
1
NA's
184

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.2.

13 NA's
1 184

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.2.

0.15 NA's
1 184

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.2.

```

28 NA's
1 184

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.2.
no NA's
1 184

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.2.
5 NA's
1 184

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.2.
9 NA's
1 184

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.2.
a41g NA's
1 184

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.2.
d NA's
1 184

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.2.
3 NA's
1 184

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.2.
23 NA's
1 184

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.2.
20 NA's
1 184

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.2.
2014 NA's
1 184

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.bi
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
121011665 132269579 164082113 153560518 167804687 175156219 44

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.ce
7 8 NA's
1 140 44

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.co
0.15 0.5 NA's
1 140 44

```

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.da
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 2.00 8.00 8.00 15.45 27.00 29.00 44

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.is
 no NA's
 141 44

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.mo
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 1.000 2.000 6.000 4.943 7.000 7.000 44

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.pl
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 1.00 4.00 6.00 5.78 8.00 12.00 44

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.qu
 1.95 40 NA's
 1 140 44

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.so
 22 23 NA's
 34 107 44

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.vo
 13 80 NA's
 1 140 44

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.ye
 2012 2013 2014 NA's
 34 25 82 44

patient.samples.sample.2.portions.portion.analytes.analyte.2.amount:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 39.27 165.50 177.00 170.89 181.50 215.00 150

patient.samples.sample.2.portions.portion.analytes.analyte.2.analyte_type:
 repli-g (qiagen) dna rna NA's
 140 1 44

patient.samples.sample.2.portions.portion.analytes.analyte.2.analyte_type_id:
 r w NA's
 1 140 44

patient.samples.sample.2.portions.portion.analytes.analyte.2.concentration:
 0.15 0.5 NA's
 1 34 150

patient.samples.sample.2.portions.portion.analytes.analyte.2.dna.normal_tumor_ge
 yes NA's
 140 45

patient.samples.sample.2.portions.portion.analytes.analyte.2.dna.pcr_amplificati
 no yes NA's
 34 106 45

patient.samples.sample.2.portions.portion.analytes.analyte.2.gel_image_file:
<https://sharedoc.nchri.org/tcga-bcr/default.aspx>
 141
 NA's
 44

patient.samples.sample.2.portions.portion.analytes.analyte.2.is_derived_from_ffp
 no NA's
 141 44

patient.samples.sample.2.portions.portion.analytes.analyte.2.protocols.protocol.
 mirvana (allprep dna) rna repli-g repli-g x
 1 131 9
 NA's
 44

patient.samples.sample.2.portions.portion.analytes.analyte.2.rna.ratio_28s_18s:
 1.48 NA's
 1 184

patient.samples.sample.2.portions.portion.analytes.analyte.2.rna.rinvalue:
 8.6 NA's
 1 184

patient.samples.sample.2.portions.portion.analytes.analyte.2.spectrophotometer_m
 picogreen uv spec NA's
 34 1 150

patient.samples.sample.2.portions.portion.analytes.analyte.2.subportion_sequence
 1 NA's
 14 171

patient.samples.sample.2.portions.portion.analytes.analyte.a260_a280_ratio:
 1.9 2 NA's
 8 1 176

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.2.bi
 Min. 1st Qu. Median Mean 3rd Qu. Max.
 1.210e+08 1.457e+08 1.641e+08 2.341e+08 1.742e+08 1.076e+09

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.2.ce

1 8
38 147

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.2.co
 Min. 1st Qu. Median Mean 3rd Qu. Max.
 0.05000 0.07000 0.08000 0.08903 0.08000 0.17000

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.2.da
 Min. 1st Qu. Median Mean 3rd Qu. Max.
 1.00 17.00 26.00 21.76 28.00 30.00

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.2.is
 no
 185

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.2.mo
 Min. 1st Qu. Median Mean 3rd Qu. Max.
 1.000 2.000 3.000 4.297 5.000 10.000

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.2.pl
 Min. 1st Qu. Median Mean 3rd Qu. Max.
 1.000 4.000 6.000 6.562 9.000 12.000

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.2.qu
 Min. 1st Qu. Median Mean 3rd Qu. Max.
 0.870 2.800 3.000 2.644 3.200 3.600

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.2.so
 22 23
 50 135

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.2.vo
 6.67 6.7 40 60
 31 7 128 19

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.2.ye
 2011 2012 2013 2014
 7 43 42 93

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.3.bi
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 107018680 124428708 150705835 143270561 164053620 174190187 62

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.3.ce
 2 5 8 26 NA's
 4 3 38 78 62

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.3.co

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0.0500	0.0600	0.1400	0.1227	0.1600	0.1700	62

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.3.da

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1.0	7.0	26.0	18.5	27.0	30.0	62

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.3.is
no NA's
123 62

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.3.mo

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1.000	2.000	3.000	4.163	5.500	10.000	62

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.3.pl

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1.000	5.000	5.000	5.415	6.000	12.000	62

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.3.qu

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1.130	1.500	1.600	2.008	3.000	3.200	62

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.3.so
22 23 NA's
46 77 62

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.3.vo

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
7.50	10.00	10.00	24.45	50.00	60.00	62

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.3.ye
2011 2012 2013 2014 NA's
6 40 34 43 62

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.4.bi

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
107018631	107018654	107018701	120645903	107018704	175154826	180

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.4.ce
5 8 NA's
4 1 180

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.4.co
0.08 0.14 0.15 NA's
1 3 1 180

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.4.da


```

1      4 NA's
1      4  180

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.4.is
no NA's
5  180

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.4.mo
5  10 NA's
4      1  180

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.4.pl
1      2      6 NA's
2      2      1  180

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.4.pl
1744 a45x NA's
4      1  180

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.4.qu
1.12 1.86      2 NA's
1      3      1  180

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.4.so
22  23 NA's
4      1  180

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.4.vo
13.3  14 NA's
4      1  180

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.4.ye
2011 2014 NA's
4      1  180

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.bios
      Min.   1st Qu.   Median     Mean   3rd Qu.     Max.
1.210e+08 1.457e+08 1.641e+08 2.341e+08 1.742e+08 1.076e+09

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.cent
1  26
147 38

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.conc
0.13 0.14 0.15 0.16 0.17
6  43  50  58  28

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.day_
      Min. 1st Qu.  Median     Mean 3rd Qu.     Max.

```

7.00 17.00 26.00 22.54 28.00 30.00

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.is_d
no
185

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.mont
Min. 1st Qu. Median Mean 3rd Qu. Max.
1.000 3.000 3.000 4.427 5.000 10.000

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.plat
Min. 1st Qu. Median Mean 3rd Qu. Max.
1.000 4.000 6.000 6.476 9.000 12.000

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.quant
Min. 1st Qu. Median Mean 3rd Qu. Max.
0.870 1.010 1.070 1.127 1.140 1.700

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.sour
22 23
50 135

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.volun
6.67 6.7 10
19 128 38

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.year
2011 2012 2013 2014
7 43 42 93

patient.samples.sample.2.portions.portion.analytes.analyte.amount:
Min. 1st Qu. Median Mean 3rd Qu. Max.
0.00 15.47 23.81 77.30 63.00 1119.00

patient.samples.sample.2.portions.portion.analytes.analyte.analyte_type:
dna
185

patient.samples.sample.2.portions.portion.analytes.analyte.analyte_type_id:
d
185

patient.samples.sample.2.portions.portion.analytes.analyte.concentration:
0.13 0.14 0.15 0.16 0.17
6 43 50 58 28

patient.samples.sample.2.portions.portion.analytes.analyte.dna.normal_tumor_genom
yes

185

patient.samples.sample.2.portions.portion.analytes.analyte.dna.pcr_amplification
 no yes
 50 135

patient.samples.sample.2.portions.portion.analytes.analyte.gel_image_file:
<https://sharedoc.nchri.org/tcga-bcr/default.aspx>
 185

patient.samples.sample.2.portions.portion.analytes.analyte.is_derived_from_ffpe:
 no
 185

patient.samples.sample.2.portions.portion.analytes.analyte.protocols.protocol.ex
 adna preparation type chemical lysis dna extraction
 76 20
 pre-extracted dna received by tss
 89

patient.samples.sample.2.portions.portion.analytes.analyte.spectrophotometer_met
 picogreen uv spec
 176 9

patient.samples.sample.2.portions.portion.analytes.analyte.subportion_sequence:
 1 2 NA's
 24 1 160

patient.samples.sample.2.portions.portion.day_of_creation:
 Min. 1st Qu. Median Mean 3rd Qu. Max.
 1.00 6.00 18.00 15.85 25.00 30.00

patient.samples.sample.2.portions.portion.is_ffpe:
 no
 185

patient.samples.sample.2.portions.portion.month_of_creation:
 Min. 1st Qu. Median Mean 3rd Qu. Max.
 1.000 2.000 3.000 5.032 8.000 12.000

patient.samples.sample.2.portions.portion.portion_number:
 1 2 11 12
 159 1 24 1

patient.samples.sample.2.portions.portion.portion_sequence:
 1 NA's
 49 136

patient.samples.sample.2.portions.portion.slides.slide.is_derived_from_ffpe:
 no NA's
 32 153

patient.samples.sample.2.portions.portion.slides.slide.percent_lymphocyte_infiltration:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 0.00 3.00 5.00 25.36 50.00 70.00 160

patient.samples.sample.2.portions.portion.slides.slide.percent_monocyte_infiltration:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 0.00 0.00 2.00 4.52 10.00 40.00 160

patient.samples.sample.2.portions.portion.slides.slide.percent_necrosis:
 0 NA's
 25 160

patient.samples.sample.2.portions.portion.slides.slide.percent_neutrophil_infiltration:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 0.00 0.00 1.00 3.56 6.00 10.00 160

patient.samples.sample.2.portions.portion.slides.slide.percent_normal_cells:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 0.0 50.0 80.0 70.2 100.0 100.0 160

patient.samples.sample.2.portions.portion.slides.slide.percent_stromal_cells:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 0.0 0.0 0.0 25.8 40.0 100.0 160

patient.samples.sample.2.portions.portion.slides.slide.percent_tumor_cells:
 0 100 NA's
 24 1 160

patient.samples.sample.2.portions.portion.slides.slide.percent_tumor_nuclei:
 0 70 NA's
 24 1 160

patient.samples.sample.2.portions.portion.slides.slide.section_location:
 top NA's
 32 153

patient.samples.sample.2.portions.portion.weight:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 2.00 2.00 2.00 13.95 30.00 39.00 109

patient.samples.sample.2.portions.portion.year_of_creation:
 2011 2012 2013 2014
 29 31 46 79

patient.samples.sample.2.sample_type:
 blood derived normal metastatic solid tissue normal
 153 1 31

patient.samples.sample.2.sample_type_id:

6 10 11
1 153 31

patient.samples.sample.2.shortest_dimension:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0.1000	0.2500	0.3000	0.3143	0.4000	0.5000	178

patient.samples.sample.2.vial_number:

a	b
182	3

patient.samples.sample.3.bcr_biospecimen_canonical_reasons.bcr_canonical_reason:

germline comparison	NA's
3	182

patient.samples.sample.3.days_to_collection:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
38.00	64.75	121.00	126.17	184.00	226.00	179

patient.samples.sample.3.initial_weight:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
30	80	180	330	480	880	180

patient.samples.sample.3.intermediate_dimension:

0.5 NA's
1 184

patient.samples.sample.3.is_ffpe:

no NA's
7 178

patient.samples.sample.3.longest_dimension:

1.3 NA's
1 184

patient.samples.sample.3.oct_embedded:

false	true	NA's
4	2	179

patient.samples.sample.3.portions.portion.analytes.analyte.2.a260_a280_ratio:

1.81 1.86 1.91 NA's
1 1 1 182

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.2.

tcga-h6-8124-11a-01r-2404-07	tcga-h6-a45n-11a-12r-a26y-13	1	1
tcga-hv-a5a3-11a-11r-a26y-13	tcga-yb-a89d-11a-11r-a36g-07	1	1

NA's
181

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.2.
09edca5b-dedb-4dad-b774-309cde4b7bf1 23314827-f763-46da-89b7-3edbd20ff6e4
1 1
9d65f639-b6cd-43f5-8cb4-a2a9be0aafe9 f542b8ee-9eec-4229-a25c-ba4d9d51723f
1 1

NA's
181

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.2.
case matched expression control NA's
1 184

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.2.
131702274 145675890 145675914 164080737 NA's
1 1 1 1 181

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.2.
7 13 NA's
2 2 181

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.2.
0.17 0.18 NA's
2 2 181

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.2.
10 27 29 NA's
1 2 1 181

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.2.
no NA's
4 181

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.2.
1 2 9 NA's
1 2 1 181

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.2.
2 6 NA's
1 3 181

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.2.
2404 a26y a36g NA's
1 2 1 181

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.2.
c e g NA's
2 1 1 181

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.2.

2.26 2.34 3.4 3.6 NA's
 1 1 1 1 181

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.2.
 22 23 NA's
 1 3 181

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.2.
 13 13.3 20 NA's
 1 1 2 181

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.2.
 2012 2013 2014 NA's
 1 2 1 181

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.bo
 case matched expression control NA's
 1 184

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.bi
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 1.457e+08 1.503e+08 1.641e+08 3.106e+08 1.669e+08 1.076e+09 179

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.ce
 7 8 13 NA's
 2 2 2 179

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.co
 0.17 0.18 0.5 NA's
 2 2 2 179

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.da
 8 10 27 29 NA's
 1 1 2 2 179

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.is
 no NA's
 6 179

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.mo
 1 2 7 9 NA's
 2 2 1 1 179

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.pl
 2 6 9 12 NA's
 1 3 1 1 179

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.qu

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
2.210	2.605	3.500	15.258	30.900	40.000	179

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.so

22	23	NA's
1	5	179

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.vo

13	20	80	NA's
2	2	2	179

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.ye

2012	2013	2014	NA's
1	2	3	179

patient.samples.sample.3.portions.portion.analytes.analyte.2.amount:

9.82	46.83	61.05	209.2	NA's
1	1	1	1	181

patient.samples.sample.3.portions.portion.analytes.analyte.2.analyte_type:

repli-g (qiagen)	dna	rna	NA's
	2	4	179

patient.samples.sample.3.portions.portion.analytes.analyte.2.analyte_type_id:

r	w	NA's
4	2	179

patient.samples.sample.3.portions.portion.analytes.analyte.2.concentration:

0.17	0.18	NA's
2	2	181

patient.samples.sample.3.portions.portion.analytes.analyte.2.dna.normal_tumor_ge

yes	NA's
2	183

patient.samples.sample.3.portions.portion.analytes.analyte.2.dna.pcr_amplificati

yes	NA's
2	183

patient.samples.sample.3.portions.portion.analytes.analyte.2.gel_image_file:

https://sharedoc.nchri.org/tcga-bcr/default.aspx
6
NA's
179

patient.samples.sample.3.portions.portion.analytes.analyte.2.is_derived_from_ffp

no	NA's
6	179

patient.samples.sample.3.portions.portion.analytes.analyte.2.protocols.protocol.


```

mirvana (allprep dna) rna                repli-g                NA's
                                4                2                179

patient.samples.sample.3.portions.portion.analytes.analyte.2.rna.ratio_28s_18s:
1.11 1.31 1.35 1.36 NA's
    1    1    1    1 181

patient.samples.sample.3.portions.portion.analytes.analyte.2.rna.rinvalue:
    7  7.2  7.4  7.5 NA's
    1    1    1    1 181

patient.samples.sample.3.portions.portion.analytes.analyte.2.spectrophotometer_m
uv spec      NA's
    4        181

patient.samples.sample.3.portions.portion.analytes.analyte.2.subportion_sequence
    1    2 NA's
    4    1 180

patient.samples.sample.3.portions.portion.analytes.analyte.3.aliquots.aliquot.bo
tcga-h6-8124-11a-01w-a29g-08 tcga-h6-a45n-11a-12w-a30m-08
                                1                                1
tcga-hv-a5a3-11a-11w-a30m-08 tcga-yb-a89d-11a-11w-a44b-08
                                1                                1
                                NA's
                                181

patient.samples.sample.3.portions.portion.analytes.analyte.3.aliquots.aliquot.bo
0b067ab7-5a31-46bc-a5e2-255d46e033b1 27617aed-52bc-420c-9670-2a3481697c4e
                                1                                1
82e7d1cc-2e60-4ab5-bfa0-62eebe08f51c 8d5a184d-a8d8-4338-a87b-848ece855e2f
                                1                                1
                                NA's
                                181

patient.samples.sample.3.portions.portion.analytes.analyte.3.aliquots.aliquot.bi
132271619 150703887 150703908 167804384      NA's
    1          1          1          1          181

patient.samples.sample.3.portions.portion.analytes.analyte.3.aliquots.aliquot.ce
    8 NA's
    4 181

patient.samples.sample.3.portions.portion.analytes.analyte.3.aliquots.aliquot.co
    0.5 NA's
    4 181

patient.samples.sample.3.portions.portion.analytes.analyte.3.aliquots.aliquot.da
    8  12 NA's
    2   2 181

patient.samples.sample.3.portions.portion.analytes.analyte.3.aliquots.aliquot.is

```

```

no NA's
4 181

patient.samples.sample.3.portions.portion.analytes.analyte.3.aliquots.aliquot.mo
5 6 7 NA's
1 2 1 181

patient.samples.sample.3.portions.portion.analytes.analyte.3.aliquots.aliquot.pl
2 3 9 NA's
2 1 1 181

patient.samples.sample.3.portions.portion.analytes.analyte.3.aliquots.aliquot.pl
a29g a30m a44b NA's
1 2 1 181

patient.samples.sample.3.portions.portion.analytes.analyte.3.aliquots.aliquot.pl
c d f g NA's
1 1 1 1 181

patient.samples.sample.3.portions.portion.analytes.analyte.3.aliquots.aliquot.qu
40 NA's
4 181

patient.samples.sample.3.portions.portion.analytes.analyte.3.aliquots.aliquot.so
23 NA's
4 181

patient.samples.sample.3.portions.portion.analytes.analyte.3.aliquots.aliquot.vo
80 NA's
4 181

patient.samples.sample.3.portions.portion.analytes.analyte.3.aliquots.aliquot.ye
2013 2014 NA's
3 1 181

patient.samples.sample.3.portions.portion.analytes.analyte.3.analyte_type:
repli-g (qiagen) dna NA's
4 181

patient.samples.sample.3.portions.portion.analytes.analyte.3.analyte_type_id:
w NA's
4 181

patient.samples.sample.3.portions.portion.analytes.analyte.3.bcr_analyte_barcode
tcga-h6-8124-11a-01w tcga-h6-a45n-11a-12w tcga-hv-a5a3-11a-11w
1 1 1
tcga-yb-a89d-11a-11w NA's
1 181

patient.samples.sample.3.portions.portion.analytes.analyte.3.bcr_analyte_uuid:
02c4db00-c738-4dae-bc53-de7adddbc99bd 1173ba34-feae-45d7-bea0-6c0a2fd3e89b
1 1

```

7c43c7ab-1df2-43ef-846a-8f5982e9b83d a806bd87-11b5-4089-bbb3-5d3ad756ee0e
 1 1
 NA's
 181

patient.samples.sample.3.portions.portion.analytes.analyte.3.dna.normal_tumor_ge
 yes NA's
 4 181

patient.samples.sample.3.portions.portion.analytes.analyte.3.dna.pcr_amplificati
 yes NA's
 4 181

patient.samples.sample.3.portions.portion.analytes.analyte.3.gel_image_file:
<https://sharedoc.nchri.org/tcga-bcr/default.aspx>
 4
 NA's
 181

patient.samples.sample.3.portions.portion.analytes.analyte.3.is_derived_from_ffp
 no NA's
 4 181

patient.samples.sample.3.portions.portion.analytes.analyte.3.protocols.protocol.
 repli-g repli-g x NA's
 3 1 181

patient.samples.sample.3.portions.portion.analytes.analyte.3.subportion_sequence
 1 2 NA's
 2 1 182

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.2.bi

	Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
	1.457e+08	1.498e+08	1.641e+08	2.891e+08	1.691e+08	1.076e+09	178

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.2.ce
 1 8 NA's
 1 6 178

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.2.co

	0.05	0.07	0.08	0.14	NA's
	1	2	3	1	178

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.2.da

	Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
	10.0	26.0	27.0	25.0	28.5	29.0	178

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.2.is
 no NA's
 7 178

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.2.mo
 1 2 5 9 NA's
 2 2 1 2 178

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.2.pl
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 2.000 4.500 9.000 7.286 10.000 11.000 178

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.2.pl
 d e f g NA's
 3 1 2 1 178

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.2.qu
 0.94 2.8 3 3.2 NA's
 1 2 1 3 178

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.2.sc
 22 23 NA's
 1 6 178

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.2.vo
 6.7 40 60 NA's
 1 5 1 178

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.2.ye
 2012 2013 2014 NA's
 1 3 3 178

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.3.bi
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 128925398 131702120 132155047 141508399 150705860 164053571 180

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.3.ce
 5 8 26 NA's
 3 1 1 180

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.3.co
 0.07 0.15 0.16 NA's
 1 2 2 180

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.3.da
 10 25 27 29 NA's
 1 1 2 1 180

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.3.is
 no NA's
 5 180

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.3.mo
 1 2 9 NA's
 1 2 2 180

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.3.pl
 2 3 4 9 NA's
 1 1 1 2 180

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.3.pl
 2399 a26q a32u a36o NA's
 1 2 1 1 180

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.3.qu
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 1.500 1.950 2.080 2.092 2.130 2.800 180

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.3.sc
 22 23 NA's
 1 4 180

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.3.vo
 10 13 13.3 40 NA's
 1 2 1 1 180

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.3.ye
 2012 2013 2014 NA's
 1 3 1 180

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.4.bo
 tcga-h6-8124-11a-01d-2400-26 tcga-h6-a45n-11a-12d-a26z-26
 1 1
 tcga-hv-a5a3-11a-11d-a26z-26 NA's
 1 182

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.4.bo
 08d62516-167e-4c6b-b69d-83f6bc5742b4 29208e6a-d515-404b-b91a-6adc72a56906
 1 1
 2aaa2bc5-2daa-4185-988a-ebb121a29549 NA's
 1 182

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.4.bi
 128925379 128925403 131702020 NA's
 1 1 1 182

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.4.ce
 26 NA's
 3 182

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.4.co
 0.15 0.16 NA's
 1 2 182

```

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.4.da
  10  27 NA's
  1   2  182

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.4.is
no NA's
  3  182

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.4.mo
  2   9 NA's
  2   1  182

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.4.pl
  2   3   5 NA's
  1   1   1  182

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.4.pl
2400 a26z NA's
  1   2  182

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.4.pl
  d   g   h NA's
  1   1   1  182

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.4.qu
  1.5  1.6 NA's
  1   2  182

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.4.so
  22  23 NA's
  1   2  182

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.4.vo
  10 NA's
  3  182

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.4.ye
2012 2013 NA's
  1   2  182

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.bcr_
case matched methylation control NA's
                                1 184

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.bios
  Min.  1st Qu.  Median  Mean  3rd Qu.  Max.  NA's
1.457e+08 1.498e+08 1.641e+08 2.891e+08 1.691e+08 1.076e+09 178

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.cent

```

1 5 NA's
6 1 178

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.conc
0.14 0.15 0.16 NA's

2 3 2 178

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.day_

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
10.0	26.0	27.0	25.0	28.5	29.0	178

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.is_d

no NA's

7 178

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.mont

1 2 5 9 NA's
2 2 1 2 178

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.plat

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
2.000	4.500	9.000	7.286	10.000	11.000	178

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.plat

d e f g NA's
3 1 2 1 178

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.quant

0.94 1.01 1.07 1.82 NA's
1 3 2 1 178

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.sour

22 23 NA's
1 6 178

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.vol

6.67 6.7 13 NA's
1 5 1 178

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.year

2012 2013 2014 NA's
1 3 3 178

patient.samples.sample.3.portions.portion.analytes.analyte.amount:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
7.84	16.61	32.27	60.12	38.27	271.00	178

patient.samples.sample.3.portions.portion.analytes.analyte.analyte_type:

dna NA's
7 178

patient.samples.sample.3.portions.portion.analytes.analyte.analyte_type_id:
 d NA's
 7 178

patient.samples.sample.3.portions.portion.analytes.analyte.concentration:
 0.14 0.15 0.16 NA's
 2 3 2 178

patient.samples.sample.3.portions.portion.analytes.analyte.dna.normal_tumor_gene:
 yes NA's
 7 178

patient.samples.sample.3.portions.portion.analytes.analyte.dna.pcr_amplification:
 no yes NA's
 1 6 178

patient.samples.sample.3.portions.portion.analytes.analyte.gel_image_file:
<https://sharedoc.nchri.org/tcga-bcr/default.aspx>
 7
 NA's
 178

patient.samples.sample.3.portions.portion.analytes.analyte.is_derived_from_ffpe:
 no NA's
 7 178

patient.samples.sample.3.portions.portion.analytes.analyte.protocols.protocol.execution:
 adna preparation type NA's
 7 178

patient.samples.sample.3.portions.portion.analytes.analyte.spectrophotometer_method:
 picogreen NA's
 7 178

patient.samples.sample.3.portions.portion.analytes.analyte.subportion_sequence:
 1 2 NA's
 4 1 180

patient.samples.sample.3.portions.portion.day_of_creation:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 6.00 14.50 21.00 18.71 23.50 28.00 178

patient.samples.sample.3.portions.portion.is_ffpe:
 no NA's
 7 178

patient.samples.sample.3.portions.portion.month_of_creation:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's

1.000 2.500 3.000 5.571 9.500 11.000 178

patient.samples.sample.3.portions.portion.portion_number:

1 11 12 NA's
2 4 1 178

patient.samples.sample.3.portions.portion.portion_sequence:

1 NA's
5 180

patient.samples.sample.3.portions.portion.slides.slide.is_derived_from_ffpe:

no NA's
6 179

patient.samples.sample.3.portions.portion.slides.slide.percent_lymphocyte_infiltration:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0.000	1.250	5.000	4.833	8.000	10.000	179

patient.samples.sample.3.portions.portion.slides.slide.percent_monocyte_infiltration:

0 1 3 NA's
4 1 1 179

patient.samples.sample.3.portions.portion.slides.slide.percent_necrosis:

0 NA's
5 180

patient.samples.sample.3.portions.portion.slides.slide.percent_neutrophil_infiltration:

0 1 NA's
5 1 179

patient.samples.sample.3.portions.portion.slides.slide.percent_normal_cells:

88 100 NA's
1 4 180

patient.samples.sample.3.portions.portion.slides.slide.percent_stromal_cells:

0 12 NA's
4 1 180

patient.samples.sample.3.portions.portion.slides.slide.percent_tumor_cells:

0 NA's
5 180

patient.samples.sample.3.portions.portion.slides.slide.percent_tumor_nuclei:

0 NA's
5 180

patient.samples.sample.3.portions.portion.slides.slide.section_location:

top NA's
6 179

patient.samples.sample.3.portions.portion.weight:

2 30 48 NA's
1 5 1 178

patient.samples.sample.3.portions.portion.year_of_creation:

2012 2013 2014 NA's
2 4 1 178

patient.samples.sample.3.sample_type:

blood derived normal solid tissue normal NA's
1 6 178

patient.samples.sample.3.sample_type_id:

10 11 NA's
1 6 178

patient.samples.sample.3.shortest_dimension:

0.3 NA's
1 184

patient.samples.sample.3.vial_number:

a NA's
7 178

patient.samples.sample.days_to_collection:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
11.00	87.75	318.50	597.74	943.75	4142.00	51

patient.samples.sample.diagnostic_slides.ffpe_slide_uuid.3:

2f9df4d3-64ab-4d64-9bdb-ab8321fb048f	4388a2a2-b109-4577-93a6-f3a190378f97	1	1
935d958b-b47a-48c0-98ad-f79a49786b7c	bfd443a8-20f9-4fe7-b8b7-5c96fad34c68	1	1
	NA's	181	

patient.samples.sample.diagnostic_slides.ffpe_slide_uuid.4:

2392d167-7db6-4dc0-9e17-aa825adac18a	722a2015-9286-49c2-8df4-177a74be9c74	1	1
b0fa6a94-3167-4da6-9d10-f79ef1b2522d		1	NA's
			182

patient.samples.sample.diagnostic_slides.ffpe_slide_uuid.5:

0d1407be-75f7-4827-98c8-0da395ee4f96	ba7e6eed-124e-4a52-b97e-1bc8f16ef7b5	1	1
c7876997-f7d0-48ec-8869-ab9457fff6eb		1	NA's
			182

patient.samples.sample.diagnostic_slides.ffpe_slide_uuid.6:
 3fb953fd-6867-4ba0-9fe6-c7db07003e90 NA's
 1 184

patient.samples.sample.diagnostic_slides.ffpe_slide_uuid.7:
 9a3db7ff-b6be-419f-856b-eb922ac99248 NA's
 1 184

patient.samples.sample.initial_weight:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 10.0 80.0 150.0 244.6 285.0 1550.0 50

patient.samples.sample.intermediate_dimension:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 0.200 0.525 0.700 0.736 0.900 2.000 135

patient.samples.sample.is_ffpe:
 no
 185

patient.samples.sample.longest_dimension:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 0.400 1.000 1.200 1.234 1.475 2.300 135

patient.samples.sample.oct_embedded:
 false true NA's
 34 101 50

patient.samples.sample.portions.portion.analytes.analyte.2.a260_a280_ratio:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 1.690 1.820 1.850 1.851 1.880 2.090 48

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.2.bi
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 121012512 145675877 164080728 154123751 167788085 174189882 7

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.2.ce
 7 13 NA's
 82 96 7

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.2.co
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 0.1300 0.1500 0.1600 0.1624 0.1700 0.1800 7

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.2.da
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 1.00 25.00 27.00 21.95 28.00 30.00 7

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.2.is
no NA's
178 7

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.2.mo
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
1.000 2.000 3.500 4.348 5.000 10.000 7

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.2.pl
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
1.000 3.000 5.000 4.719 6.000 10.000 7

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.2.qu
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
1.400 2.092 3.000 2.746 3.400 3.600 7

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.2.sc
22 23 NA's
43 135 7

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.2.vo
10 13 13.3 20 NA's
1 39 42 96 7

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.2.ye
2012 2013 2014 NA's
43 42 93 7

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.bios
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
1.210e+08 1.457e+08 1.641e+08 2.017e+08 1.742e+08 1.076e+09 7

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.cent
7 13 NA's
96 82 7

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.conc
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
0.1300 0.1500 0.1600 0.1624 0.1700 0.1800 7

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.day_
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
1.00 25.00 27.00 21.95 28.00 30.00 7

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.is_d
no NA's
178 7

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.mont
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 1.000 2.000 3.500 4.348 5.000 10.000 7

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.plat
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 1.000 3.000 5.000 5.006 7.000 11.000 7

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.quant
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 1.950 2.080 2.340 2.618 3.000 3.600 7

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.sour
 22 23 NA's
 43 135 7

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.volun
 13 15 20 NA's
 96 1 81 7

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.year
 2012 2013 2014 NA's
 43 42 93 7

patient.samples.sample.portions.portion.analytes.analyte.2.amount:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 4.20 15.81 26.66 41.02 47.81 359.20 7

patient.samples.sample.portions.portion.analytes.analyte.2.analyte_type:
 rna NA's
 178 7

patient.samples.sample.portions.portion.analytes.analyte.2.analyte_type_id:
 r NA's
 178 7

patient.samples.sample.portions.portion.analytes.analyte.2.concentration:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 0.1300 0.1500 0.1600 0.1624 0.1700 0.1800 7

patient.samples.sample.portions.portion.analytes.analyte.2.gel_image_file:
<https://sharedoc.nchri.org/tcga-bcr/default.aspx>
 178
 NA's
 7

patient.samples.sample.portions.portion.analytes.analyte.2.is_derived_from_ffpe:

```

no NA's
178    7

patient.samples.sample.portions.portion.analytes.analyte.2.protocols.protocol.ex
mirvana (allprep dna) rna                                NA's
              178                                7

patient.samples.sample.portions.portion.analytes.analyte.2.rna.ratio_28s_18s:
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.    NA's
  0.680  1.170   1.350   1.354  1.498   2.270     7

patient.samples.sample.portions.portion.analytes.analyte.2.rna.rinvalue:
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.    NA's
  7.000  7.300   7.600   7.746  8.075   9.200     7

patient.samples.sample.portions.portion.analytes.analyte.2.spectrophotometer_met
uv spec      NA's
    178        7

patient.samples.sample.portions.portion.analytes.analyte.2.subportion_sequence:
  1    2    3 NA's
  139  35   3   8

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.bios
  Min.  1st Qu.  Median    Mean  3rd Qu.    Max.    NA's
121011669 132271268 164082118 153412779 167804382 175155447     45

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.cent
  8 NA's
  140  45

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.conc
  0.5 NA's
  140  45

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.day_
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.    NA's
  2.00   8.00   8.00  15.36  27.00  29.00     45

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.is_d
no NA's
  140  45

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.mont
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.    NA's
  1.000  2.000   6.000   4.943  7.000   7.000     45

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.plat
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.    NA's
  1.000  1.000   2.000   3.779  5.000  12.000     45

```

```

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.quant
  40 NA's
 140  45

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.sour
  22  23 NA's
  34 106  45

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.volu
  80 NA's
 140  45

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.year
2012 2013 2014 NA's
  34  25  81  45

patient.samples.sample.portions.portion.analytes.analyte.3.amount:
  Min. 1st Qu.  Median    Mean 3rd Qu.  Max.   NA's
 139.0  159.2  166.0  165.9  178.2  188.0   151

patient.samples.sample.portions.portion.analytes.analyte.3.analyte_type:
repli-g (qiagen) dna                NA's
                   140                45

patient.samples.sample.portions.portion.analytes.analyte.3.analyte_type_id:
  w NA's
 140  45

patient.samples.sample.portions.portion.analytes.analyte.3.concentration:
  0.5 NA's
  34 151

patient.samples.sample.portions.portion.analytes.analyte.3.dna.normal_tumor_gene
yes NA's
 140  45

patient.samples.sample.portions.portion.analytes.analyte.3.dna.pcr_amplification
no yes NA's
 34 106  45

patient.samples.sample.portions.portion.analytes.analyte.3.gel_image_file:
https://sharedoc.nchri.org/tcga-bcr/default.aspx
                                     140
                                     NA's
                                     45

patient.samples.sample.portions.portion.analytes.analyte.3.is_derived_from_ffpe:

```

```

no NA's
140 45

patient.samples.sample.portions.portion.analytes.analyte.3.protocols.protocol.ex
repli-g repli-g x      NA's
      131      9      45

patient.samples.sample.portions.portion.analytes.analyte.3.spectrophotometer_met
picogreen      NA's
      34      151

patient.samples.sample.portions.portion.analytes.analyte.3.subportion_sequence:
  1  2  3 NA's
113 24 3 45

patient.samples.sample.portions.portion.analytes.analyte.a260_a280_ratio:
  1.9  2 NA's
    8  1 176

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.2.bios
      Min. 1st Qu.  Median      Mean 3rd Qu.  Max.
1.210e+08 1.457e+08 1.641e+08 2.341e+08 1.742e+08 1.076e+09

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.2.cent
  1  5  8 26
126 7 20 32

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.2.conc
      Min. 1st Qu.  Median      Mean 3rd Qu.  Max.
0.0500 0.1400 0.1500 0.1435 0.1600 0.1700

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.2.day_
      Min. 1st Qu.  Median      Mean 3rd Qu.  Max.
1.00 17.00 26.00 22.38 28.00 30.00

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.2.is_d
no
185

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.2.mont
      Min. 1st Qu.  Median      Mean 3rd Qu.  Max.
1.0 3.0 3.0 4.4 5.0 10.0

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.2.plat
      Min. 1st Qu.  Median      Mean 3rd Qu.  Max.
1.000 1.000 2.000 3.886 5.000 12.000

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.2.quant

```


Min.	1st Qu.	Median	Mean	3rd Qu.	Max.
0.870	1.010	1.070	1.362	1.400	3.600

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.2.sour
22 23
50 135

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.
6.67	6.70	6.70	11.54	10.00	60.00

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.2.vol
2011 2012 2013 2014
7 43 42 93

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.
1.070e+08	1.457e+08	1.641e+08	2.185e+08	1.742e+08	1.076e+09

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.3.bios
1 5 8
39 20 126

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.
0.05000	0.07000	0.08000	0.09714	0.14000	0.17000

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.3.conc
1.00 17.00 26.00 21.62 28.00 30.00

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.
1.00	17.00	26.00	21.62	28.00	30.00

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.3.is_d
no
185

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.
1.000	2.000	3.000	4.319	5.000	10.000

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.3.mont
1.000 1.000 3.000 4.016 5.000 12.000

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.
1.000	1.000	3.000	4.016	5.000	12.000

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.3.plat
0.870 1.950 2.800 2.513 3.200 3.600

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.
0.870	1.950	2.800	2.513	3.200	3.600

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.3.quant
0.870 1.950 2.800 2.513 3.200 3.600

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.3.sour

22 23
50 135

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.3.vol
Min. 1st Qu. Median Mean 3rd Qu. Max.
6.67 13.00 40.00 32.33 40.00 60.00

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.3.year
2011 2012 2013 2014
7 43 42 93

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.4.bios
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
107018871 131702155 164053608 151905985 167823352 175154812 7

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.4.cent
2 5 8 26 NA's
4 117 41 16 7

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.4.conc
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
0.0500 0.1400 0.1500 0.1324 0.1600 0.1700 7

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.4.day_
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
1.00 10.00 26.00 21.38 28.00 30.00 7

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.4.is_d
no NA's
178 7

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.4.mont
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
1.000 2.000 4.000 4.421 5.000 10.000 7

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.4.plat
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
1.000 1.000 3.000 3.837 5.000 12.000 7

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.4.quan
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
0.660 1.950 2.080 2.184 2.210 3.600 7

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.4.sour
22 23 NA's
46 132 7

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.4.vol

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
9.40	13.00	13.00	21.47	13.30	60.00	7

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.4.year
 2011 2012 2013 2014 NA's
 4 42 41 91 7

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
107016734	124429149	150705875	147352145	164105329	175154879	72

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.5.cent
 5 8 26 NA's
 36 15 62 72

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0.070	0.140	0.150	0.141	0.160	0.170	72

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1.00	1.00	25.00	16.89	27.00	30.00	72

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.5.is_d
 no NA's
 113 72

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1.000	2.000	3.000	4.885	9.000	10.000	72

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1.000	1.000	2.000	2.743	4.000	11.000	72

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0.75	1.50	1.60	1.59	1.86	2.26	72

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.5.sour
 22 23 NA's
 37 76 72

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
9.40	10.00	10.00	11.44	13.30	14.00	72

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.5.year

2011 2012 2013 2014 NA's
 4 33 28 48 72

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.6.bios
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 174186442 174431138 175154814 174906181 175154850 175154877 119

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.6.cent
 8 NA's
 66 119

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.6.conc
 0.07 0.08 0.09 NA's
 33 28 5 119

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.6.day_
 1 28 NA's
 49 17 119

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.6.is_d
 no NA's
 66 119

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.6.mont
 5 10 NA's
 17 49 119

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.6.plat
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 1.000 2.000 3.000 3.803 6.000 8.000 119

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.6.plat
 a40k a45x NA's
 17 49 119

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.6.quan
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 0.6600 0.8075 0.9800 0.9736 1.1200 1.2600 119

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.6.sour
 23 NA's
 66 119

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.6.volu
 9.4 14 NA's
 17 49 119

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.6.year
 2014 NA's

66 119

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.biospe
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 1.210e+08 1.457e+08 1.641e+08 2.417e+08 1.641e+08 1.076e+09 155

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.center
 1 5 23 26
 20 4 155 6

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.concen
 0.14 0.15 0.16 0.17 NA's
 8 10 9 3 155

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.day_of
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 7.00 11.75 26.00 21.23 27.75 30.00 155

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.is_der
 no NA's
 30 155

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.month_
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 1.000 2.000 3.000 3.767 3.750 10.000 155

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.plate_
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 1.0 1.0 2.0 3.6 4.0 12.0 155

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.quantit
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 0.930 1.010 1.070 1.248 1.475 2.210 155

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.source
 22 23
 10 175

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.volume
 6.67 6.7 10 13 NA's
 4 16 6 4 155

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.year_o
 2011 2012 2013 2014 NA's
 2 8 7 13 155

patient.samples.sample.portions.portion.analytes.analyte.amount:
 Min. 1st Qu. Median Mean 3rd Qu. Max.

0.50 11.37 18.66 40.55 36.00 366.70

patient.samples.sample.portions.portion.analytes.analyte.analyte_type:
dna
185

patient.samples.sample.portions.portion.analytes.analyte.analyte_type_id:
d
185

patient.samples.sample.portions.portion.analytes.analyte.concentration:
0.13 0.14 0.15 0.16 0.17
6 38 64 61 16

patient.samples.sample.portions.portion.analytes.analyte.dna.normal_tumor_genoty
yes
185

patient.samples.sample.portions.portion.analytes.analyte.dna.pcr_amplification_s
no yes
50 135

patient.samples.sample.portions.portion.analytes.analyte.gel_image_file:
<https://sharedoc.nchri.org/tcga-bcr/default.aspx>
185

patient.samples.sample.portions.portion.analytes.analyte.is_derived_from_ffpe:
no
185

patient.samples.sample.portions.portion.analytes.analyte.protocols.protocol.expe
adna preparation type
185

patient.samples.sample.portions.portion.analytes.analyte.spectrophotometer_metho
picogreen uv spec
176 9

patient.samples.sample.portions.portion.analytes.analyte.subportion_sequence:
1 2 3 NA's
143 37 4 1

patient.samples.sample.portions.portion.day_of_creation:
Min. 1st Qu. Median Mean 3rd Qu. Max.
1.00 6.00 14.00 14.25 21.00 31.00

patient.samples.sample.portions.portion.is_ffpe:
no

185

patient.samples.sample.portions.portion.lce:

lce NA's
1 184

patient.samples.sample.portions.portion.month_of_creation:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.
1.000	2.000	4.000	5.546	9.000	12.000

patient.samples.sample.portions.portion.portion_number:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.
1.00	11.00	11.00	13.39	12.00	61.00

patient.samples.sample.portions.portion.portion_sequence:

1	2	3	NA's
47	3	2	133

patient.samples.sample.portions.portion.slides.slide.2.is_derived_from_ffpe:

no NA's
36 149

patient.samples.sample.portions.portion.slides.slide.2.percent_lymphocyte_infiltration:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0.000	5.000	5.000	9.077	15.000	20.000	172

patient.samples.sample.portions.portion.slides.slide.2.percent_monocyte_infiltration:

0	1	5	NA's
8	1	1	175

patient.samples.sample.portions.portion.slides.slide.2.percent_necrosis:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0.0000	0.0000	0.0000	0.7778	0.0000	10.0000	149

patient.samples.sample.portions.portion.slides.slide.2.percent_neutrophil_infiltration:

0	1	5	NA's
8	1	2	174

patient.samples.sample.portions.portion.slides.slide.2.percent_normal_cells:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0.000	0.000	0.000	7.323	4.500	90.000	154

patient.samples.sample.portions.portion.slides.slide.2.percent_stromal_cells:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0.00	8.75	27.50	28.69	40.00	85.00	153

patient.samples.sample.portions.portion.slides.slide.2.percent_tumor_cells:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
10.00	40.00	67.50	63.47	86.25	100.00	153

patient.samples.sample.portions.portion.slides.slide.2.percent_tumor_nuclei:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 10.00 37.50 67.50 55.06 71.00 97.00 149

patient.samples.sample.portions.portion.slides.slide.2.section_location:
 top NA's
 36 149

patient.samples.sample.portions.portion.slides.slide.is_derived_from_ffpe:
 no
 185

patient.samples.sample.portions.portion.slides.slide.percent_lymphocyte_infiltration:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 0.00 3.00 8.00 17.49 32.50 100.00 34

patient.samples.sample.portions.portion.slides.slide.percent_monocyte_infiltration:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 0.000 0.000 1.000 4.812 8.000 20.000 36

patient.samples.sample.portions.portion.slides.slide.percent_necrosis:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 0.00 0.00 0.00 1.92 0.00 35.00 9

patient.samples.sample.portions.portion.slides.slide.percent_neutrophil_infiltration:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 0.000 0.000 1.000 5.389 10.000 20.000 36

patient.samples.sample.portions.portion.slides.slide.percent_normal_cells:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 0.00 0.00 0.00 11.94 20.00 98.00 11

patient.samples.sample.portions.portion.slides.slide.percent_stromal_cells:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 0.00 5.00 30.00 30.12 50.00 80.00 10

patient.samples.sample.portions.portion.slides.slide.percent_tumor_cells:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 2.00 30.00 60.00 56.07 80.00 100.00 10

patient.samples.sample.portions.portion.slides.slide.percent_tumor_nuclei:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 2.00 35.00 60.00 52.43 70.00 100.00 9

patient.samples.sample.portions.portion.slides.slide.section_location:
 bottom top
 36 149

patient.samples.sample.portions.portion.weight:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
10.00	30.00	30.00	30.59	30.00	80.00	1

patient.samples.sample.portions.portion.year_of_creation:

2011	2012	2013	2014
29	34	46	76

patient.samples.sample.portions.shipment_portion.center_id:

20 NA's
123 62

patient.samples.sample.portions.shipment_portion.is_ffpe:

no NA's
123 62

patient.samples.sample.portions.shipment_portion.plate_id:

a39l	a39m	a43k	NA's
81	25	17	62

patient.samples.sample.portions.shipment_portion.portion_number:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
11.00	21.00	21.00	21.09	21.00	51.00	62

patient.samples.sample.portions.shipment_portion.portion_sequence:

1	2	3	NA's
2	69	1	113

patient.samples.sample.portions.shipment_portion.shipment_portion_day_of_shipment:

7	24	NA's
106	17	62

patient.samples.sample.portions.shipment_portion.shipment_portion_month_of_shipment:

5	6	NA's
106	17	62

patient.samples.sample.portions.shipment_portion.shipment_portion_year_of_shipment:

2014	NA's
123	62

patient.samples.sample.sample_type:

primary tumor
185

patient.samples.sample.sample_type_id:

1
185

patient.samples.sample.shortest_dimension:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
------	---------	--------	------	---------	------	------

0.200 0.225 0.300 0.336 0.400 0.600 135

patient.samples.sample.vial_number:

a
185

PCPG

Pheochromocytoma and Paraganglioma

Description

A document describing the TCGA cancer code

Details

```
> experiments( PCPG )
ExperimentList class object of length 9:
 [1] CNASNP-20160128: RaggedExperiment with 297329 rows and 360 columns
 [2] CNVSNP-20160128: RaggedExperiment with 31256 rows and 346 columns
 [3] GISTIC_AllByGene-20160128: SummarizedExperiment with 24776 rows and 162 columns
 [4] GISTIC_ThresholdedByGene-20160128: SummarizedExperiment with 24776 rows and 162 columns
 [5] Methylation-20160128: SummarizedExperiment with 485577 rows and 187 columns
 [6] miRNASeqGene-20160128: SummarizedExperiment with 1046 rows and 187 columns
 [7] Mutation-20160128: RaggedExperiment with 4662 rows and 184 columns
 [8] RNASeq2GeneNorm-20160128: SummarizedExperiment with 20501 rows and 187 columns
 [9] RPPAArray-20160128: SummarizedExperiment with 192 rows and 82 columns

> rownames( PCPG )
CharacterList of length 9
[["CNASNP-20160128"]] character(0)
[["CNVSNP-20160128"]] character(0)
[["GISTIC_AllByGene-20160128"]] ACAP3 ACTRT2 ... WASIR1|ENSG00000185203.7
[["GISTIC_ThresholdedByGene-20160128"]] ACAP3 ... WASIR1|ENSG00000185203.7
[["Methylation-20160128"]] cg00000029 cg00000108 ... rs966367 rs9839873
[["miRNASeqGene-20160128"]] hsa-let-7a-1 hsa-let-7a-2 ... hsa-mir-99b
[["Mutation-20160128"]] character(0)
[["RNASeq2GeneNorm-20160128"]] A1BG A1CF A2BP1 A2LD1 ... ZZZ3 psiTPTE22 tAKR
[["RPPAArray-20160128"]] 14-3-3_beta 14-3-3_epsilon ... p90RSK_pT359_S363

> colnames( PCPG )
CharacterList of length 9
[["CNASNP-20160128"]] TCGA-P7-A5NX-10A-01D-A35A-01 ...
[["CNVSNP-20160128"]] TCGA-P7-A5NX-10A-01D-A35A-01 ...
[["GISTIC_AllByGene-20160128"]] TCGA-P7-A5NY-01A-12D-A35C-01 ...
[["GISTIC_ThresholdedByGene-20160128"]] TCGA-P7-A5NY-01A-12D-A35C-01 ...
[["Methylation-20160128"]] TCGA-P7-A5NX-01A-11D-A35E-05 ...
[["miRNASeqGene-20160128"]] TCGA-P7-A5NX-01A-11R-A35M-13 ...
[["Mutation-20160128"]] TCGA-P7-A5NX-01A-11D-A35D-08 ...
[["RNASeq2GeneNorm-20160128"]] TCGA-P7-A5NX-01A-11R-A35K-07 ...
[["RPPAArray-20160128"]] TCGA-P7-A5NX-01A-21-A43B-20 ...
```

Sizes of each ExperimentList element:

	assay	size.Mb
1	CNASNP-20160128	8.1 Mb
2	CNVSNP-20160128	0.9 Mb
3	GISTIC_AllByGene-20160128	4.3 Mb
4	GISTIC_ThresholdedByGene-20160128	4.3 Mb
5	Methylation-20160128	67.4 Mb
6	miRNASeqGene-20160128	0.1 Mb
7	Mutation-20160128	8 Mb
8	RNASeq2GeneNorm-20160128	1.1 Mb
9	RPPAArray-20160128	0 Mb

Overall survival time-to-event summary (in years):

Call: survfit(formula = survival::Surv(colDat\$days_to_death/365, colDat\$vital_status - 1)

173 observations deleted due to missingness
n events median 0.95LCL 0.95UCL
6.00 6.00 1.24 0.26 NA

Available sample meta-data:

years_to_birth:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.
19.00	35.00	46.00	47.33	58.50	83.00

vital_status:

0	1
173	6

days_to_death:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
88.0	148.5	452.5	901.0	715.2	3563.0	173

days_to_last_followup:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
2	352	766	1071	1301	9634	6

tumor_tissue_site:

adrenal gland	extra-adrenal site
147	32

gender:


```

admin.month_of_dcc_upload:
  10
  179

admin.patient_withdrawal.withdrawn:
  false
  179

admin.project_code:
  tcga
  179

admin.year_of_dcc_upload:
  2015
  179

patient.clinical_cqcf.consent_or_death_status:
  consented  deceased
           178           1

patient.clinical_cqcf.days_to_consent:
  Min. 1st Qu.  Median  Mean 3rd Qu.  Max.  NA's
-941.00 -33.25  -7.00  251.15  0.00 3661.00  1

patient.clinical_cqcf.days_to_death:
  755 NA's
  1 178

patient.clinical_cqcf.histological_type:
                                paraganglioma
                                25
  paraganglioma; extra-adrenal pheochromocytoma
                                6
                                pheochromocytoma
                                148

patient.clinical_cqcf.history_of_neoadjuvant_treatment:
  no  yes
  178  1

patient.clinical_cqcf.normal_tissue_anatomic_site:
  kidney  other  NA's
  1       5     173

patient.clinical_cqcf.normal_tissue_proximity:
  distal (>2cm)  NA's
  6              173

patient.clinical_cqcf.tumor_type:
  primary

```

179

patient.day_of_form_completion:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.
1.00	7.00	13.00	15.05	21.00	30.00

patient.days_to_birth:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.
-30555	-21494	-16828	-17460	-13075	-7240

patient.days_to_death:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
88.0	148.5	452.5	901.0	715.2	3563.0	173

patient.days_to_last_followup:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
2.0	137.0	395.0	792.9	928.0	9219.0	6

patient.drugs.drug.2.bcr_drug_barcode:

tcga-qr-a700-d68527	tcga-qt-a5xj-d43422	tcga-wb-a81q-d61216	NA's
1	1	1	176

patient.drugs.drug.2.bcr_drug_uid:

ab46a29d-8a98-45be-ae90-9b67b052bcea	b6282500-2bb2-40d8-b7c1-a4ca2a497893	1	1
c2b9fc6e-d83a-4a2a-89ba-f71369952b80		1	NA's
		1	176

patient.drugs.drug.2.clinical_trail_drug_classification:

vincristine	NA's
1	178

patient.drugs.drug.2.day_of_form_completion:

4	15	21	NA's
1	1	1	176

patient.drugs.drug.2.days_to_drug_therapy_end:

326	652	704	NA's
1	1	1	176

patient.drugs.drug.2.days_to_drug_therapy_start:

113	535	620	NA's
1	1	1	176

patient.drugs.drug.2.drug_name:

dacarbazine	temodar	NA's
1	1	177

patient.drugs.drug.2.measure_of_response:

clinical progressive disease	NA's
2	177

patient.drugs.drug.2.month_of_form_completion:

5 7 12 NA's
1 1 1 176

patient.drugs.drug.2.therapy_ongoing:

no NA's
3 176

patient.drugs.drug.2.therapy_types.therapy_type:

chemotherapy NA's
3 176

patient.drugs.drug.2.tx_on_clinical_trial:

no yes NA's
2 1 176

patient.drugs.drug.2.year_of_form_completion:

2013 2014 NA's
1 2 176

patient.drugs.drug.3.bcr_drug_barcode:

tcga-qr-a700-d68529 tcga-wb-a81q-d61218 NA's
1 1 177

patient.drugs.drug.3.bcr_drug_uuid:

67c44e48-2f4d-4976-bfe8-f377a0a8217f d9ab3eee-1f63-4f38-874d-a0782ba8dad6
1 1
NA's
177

patient.drugs.drug.3.clinical_trial_drug_classification:

dacarbazine NA's
1 178

patient.drugs.drug.3.day_of_form_completion:

4 15 NA's
1 1 177

patient.drugs.drug.3.days_to_drug_therapy_end:

652 749 NA's
1 1 177

patient.drugs.drug.3.days_to_drug_therapy_start:

535 707 NA's
1 1 177

patient.drugs.drug.3.drug_name:

gemcitabine NA's
1 178

patient.drugs.drug.3.measure_of_response:

clinical progressive disease NA's

1

178

patient.drugs.drug.3.month_of_form_completion:

7 12 NA's

1 1 177

patient.drugs.drug.3.therapy_ongoing:

no NA's

2 177

patient.drugs.drug.3.therapy_types.therapy_type:

chemotherapy NA's

2 177

patient.drugs.drug.3.tx_on_clinical_trial:

no yes NA's

1 1 177

patient.drugs.drug.3.year_of_form_completion:

2014 NA's

2 177

patient.drugs.drug.4.bcr_drug_barcode:

tcga-wb-a81q-d61219 NA's

1 178

patient.drugs.drug.4.bcr_drug_uuid:

5cd70e48-b19f-4aaf-a773-600513ba7ec3

1

NA's

178

patient.drugs.drug.4.day_of_form_completion:

15 NA's

1 178

patient.drugs.drug.4.days_to_drug_therapy_end:

704 NA's

1 178

patient.drugs.drug.4.days_to_drug_therapy_start:

620 NA's

1 178

patient.drugs.drug.4.drug_name:

cyclophosphamide NA's

1 178

patient.drugs.drug.4.measure_of_response:

clinical progressive disease

1

NA's

178

patient.drugs.drug.4.month_of_form_completion:

7 NA's

1 178

patient.drugs.drug.4.therapy_ongoing:

no NA's

1 178

patient.drugs.drug.4.therapy_types.therapy_type:

chemotherapy NA's

1 178

patient.drugs.drug.4.tx_on_clinical_trial:

no NA's

1 178

patient.drugs.drug.4.year_of_form_completion:

2014 NA's

1 178

patient.drugs.drug.clinical_trial_drug_classification:

cvd cyclophosphamide NA's

1 1 177

patient.drugs.drug.day_of_form_completion:

15 21 22 24 NA's

1 1 1 2 174

patient.drugs.drug.days_to_drug_therapy_end:

326 652 704 3452 NA's

1 1 1 1 175

patient.drugs.drug.days_to_drug_therapy_start:

Min. 1st Qu. Median Mean 3rd Qu. Max. NA's

113.0 535.0 620.0 933.8 966.0 2435.0 174

patient.drugs.drug.drug_name:

cyclophosphamide, vincristine, and dacarbazine

1

cytoxan, vincristine and dacarbazine

1

vincristine

1

xeloda

1

NA's

175

patient.drugs.drug.measure_of_response:

clinical progressive disease partial response

3 1

NA's

175

patient.drugs.drug.month_of_form_completion:

5	7	10	11	NA's
1	1	1	2	174

patient.drugs.drug.therapy_ongoing:

no	NA's
5	174

patient.drugs.drug.therapy_types.therapy_type:

chemotherapy	NA's
5	174

patient.drugs.drug.tx_on_clinical_trial:

no	yes	NA's
2	3	174

patient.drugs.drug.year_of_form_completion:

2013	2014	NA's
1	4	174

patient.ethnicity:

hispanic or latino	not hispanic or latino	NA's
5	138	36

patient.follow_ups.follow_up.2.day_of_form_completion:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
3.00	10.00	14.00	15.64	20.25	31.00	151

patient.follow_ups.follow_up.2.days_to_last_followup:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
405.0	682.2	1038.5	1137.9	1294.2	3138.0	151

patient.follow_ups.follow_up.2.eastern_cancer_oncology_group:

0	1	2	NA's
16	6	1	156

patient.follow_ups.follow_up.2.karnofsky_performance_score:

70	80	90	100	NA's
1	2	4	16	156

patient.follow_ups.follow_up.2.lost_follow_up:

no	yes	NA's
25	3	151

patient.follow_ups.follow_up.2.month_of_form_completion:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
2.000	3.000	6.500	6.893	11.250	12.000	151

patient.follow_ups.follow_up.2.new_tumor_events.new_tumor_event.days_to_new_tumor
 377 NA's
 1 178

patient.follow_ups.follow_up.2.new_tumor_events.new_tumor_event.new_neoplasm_con
 imaging NA's
 1 178

patient.follow_ups.follow_up.2.new_tumor_events.new_tumor_event.new_neoplasm_eve
 bone NA's
 1 178

patient.follow_ups.follow_up.2.new_tumor_events.new_tumor_event.new_neoplasm_eve
 biochemical evidence of disease distant metastasis
 1 1
 NA's
 177

patient.follow_ups.follow_up.2.new_tumor_events.new_tumor_event_after_initial_tr
 no yes NA's
 26 2 151

patient.follow_ups.follow_up.2.performance_status_scale_timing:
 other pre-operative NA's
 11 2 166

patient.follow_ups.follow_up.2.person_neoplasm_cancer_status:
 tumor free with tumor NA's
 25 2 152

patient.follow_ups.follow_up.2.postoperative_rx_tx:
 no yes NA's
 27 1 151

patient.follow_ups.follow_up.2.radiation_therapy:
 no yes NA's
 27 1 151

patient.follow_ups.follow_up.2.vital_status:
 alive NA's
 28 151

patient.follow_ups.follow_up.2.year_of_form_completion:
 2014 2015 NA's
 14 14 151

patient.follow_ups.follow_up.3.day_of_form_completion:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 3.00 9.00 17.00 15.29 20.00 29.00 172

patient.follow_ups.follow_up.3.days_to_last_followup:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
776	1263	1299	1410	1743	1946	173

patient.follow_ups.follow_up.3.eastern_cancer_oncology_group:

0	1	NA's
5	1	173

patient.follow_ups.follow_up.3.karnofsky_performance_score:

80	100	NA's
1	5	173

patient.follow_ups.follow_up.3.lost_follow_up:

no	yes	NA's
5	2	172

patient.follow_ups.follow_up.3.month_of_form_completion:

3	4	6	NA's
2	4	1	172

patient.follow_ups.follow_up.3.new_tumor_events.new_tumor_event.new_neoplasm_con
pathology NA's

1	178
---	-----

patient.follow_ups.follow_up.3.new_tumor_events.new_tumor_event.new_neoplasm_eve
other, specify NA's

1	178
---	-----

patient.follow_ups.follow_up.3.new_tumor_events.new_tumor_event.new_neoplasm_eve
new primary tumor NA's

1	178
---	-----

patient.follow_ups.follow_up.3.new_tumor_events.new_tumor_event.new_neoplasm_occ
skin NA's

1	178
---	-----

patient.follow_ups.follow_up.3.new_tumor_events.new_tumor_event_after_initial_tr
no yes NA's

5	1	173
---	---	-----

patient.follow_ups.follow_up.3.performance_status_scale_timing:

other NA's

4	175
---	-----

patient.follow_ups.follow_up.3.person_neoplasm_cancer_status:

tumor free NA's

6	173
---	-----

patient.follow_ups.follow_up.3.postoperative_rx_tx:

no NA's

6	173
---	-----

patient.follow_ups.follow_up.3.radiation_therapy:

no NA's
6 173

patient.follow_ups.follow_up.3.vital_status:

alive NA's
6 173

patient.follow_ups.follow_up.3.year_of_form_completion:

2015 NA's
7 172

patient.follow_ups.follow_up.day_of_form_completion:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1.00	13.00	22.50	18.87	26.00	31.00	61

patient.follow_ups.follow_up.days_to_last_followup:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0	405	770	1129	1281	9634	62

patient.follow_ups.follow_up.eastern_cancer_oncology_group:

0 1 NA's
41 8 130

patient.follow_ups.follow_up.karnofsky_performance_score:

90 100 NA's
11 39 129

patient.follow_ups.follow_up.lost_follow_up:

no yes NA's
99 19 61

patient.follow_ups.follow_up.month_of_form_completion:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1.000	6.000	9.000	7.992	10.000	12.000	61

patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.2.days_to_new_tumor:

2278 3282 6925 NA's
1 1 1 176

patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.2.new_neoplasm_con:

imaging pathology NA's
2 1 176

patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.2.new_neoplasm_eve:

lung other, specify NA's
2 1 176

patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.2.new_neoplasm_eve:

distant metastasis new primary tumor NA's

	2	1	176
--	---	---	-----

patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.2.new_neoplasm_occurrence
right forearm NA's
1 178

patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.3.days_to_new_tumor_event
2278 NA's
1 178

patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.3.new_neoplasm_confirmed
imaging NA's
1 178

patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.3.new_neoplasm_event
liver NA's
1 178

patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.3.new_neoplasm_event
distant metastasis NA's
1 178

patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.days_to_new_tumor_event
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
377 680 1044 2181 2780 6925 172

patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.new_neoplasm_confirmed
imaging pathology NA's
2 4 173

patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.new_neoplasm_event
bone lymph node(s) other, specify NA's
2 1 3 173

patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.new_neoplasm_event
biochemical evidence of disease distant metastasis
1 4
new primary tumor NA's
2 172

patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.new_neoplasm_occurrence
l breast left thigh thyroid NA's
1 1 1 176

patient.follow_ups.follow_up.new_tumor_events.new_tumor_event_after_initial_treatment
no yes NA's
100 7 72

patient.follow_ups.follow_up.performance_status_scale_timing:
other post-adjuvant therapy pre-operative
32 3 10
NA's

134

```

patient.follow_ups.follow_up.person_neoplasm_cancer_status:
tumor free with tumor      NA's
      106           7           66

```

```

patient.follow_ups.follow_up.postoperative_rx_tx:
  no  yes NA's
 116   1  62

```

```

patient.follow_ups.follow_up.radiation_therapy:
  no  yes NA's
 115   2  62

```

```

patient.follow_ups.follow_up.vital_status:
alive  NA's
 118   61

```

```

patient.follow_ups.follow_up.year_of_form_completion:
2014 2015 NA's
 102  16   61

```

```

patient.gender:
female  male
  101    78

```

```

patient.history_of_neoadjuvant_treatment:
  no  yes
 178   1

```

```

patient.history_pheo_or_para_include_benign:
  no  yes
 157  22

```

```

patient.informed_consent_verified:
yes
179

```

```

patient.month_of_form_completion:
  Min. 1st Qu.  Median    Mean 3rd Qu.  Max.
 1.000  1.000   3.000   3.631  3.000  12.000

```

```

patient.new_tumor_events.new_tumor_event.2.days_to_new_tumor_event_after_initial
  Min. 1st Qu.  Median    Mean 3rd Qu.  Max.  NA's
  106   501   606   1911  1476  6866  174

```

```

patient.new_tumor_events.new_tumor_event.2.new_neoplasm_confirmed_diagnosis_meth
imaging pathology      NA's

```

	3	2	174	
patient.new_tumor_events.new_tumor_event.2.new_neoplasm_event_occurrence_anatomical_site				
liver		lung other, specify		NA's
	1	2	2	174
patient.new_tumor_events.new_tumor_event.2.new_neoplasm_event_type:				
distant metastasis	new primary tumor			NA's
	3	2		174
patient.new_tumor_events.new_tumor_event.2.new_neoplasm_occurrence_anatomic_site				
r breast right paraganglioma				NA's
	1	1		177
patient.new_tumor_events.new_tumor_event.3.days_to_new_tumor_event_after_initial_diagnosis	93	1476	6866	NA's
	1	1	1	176
patient.new_tumor_events.new_tumor_event.3.new_neoplasm_confirmed_diagnosis_method				
imaging				NA's
	3			176
patient.new_tumor_events.new_tumor_event.3.new_neoplasm_event_occurrence_anatomical_site				
bone lymph node(s)				NA's
	1	2		176
patient.new_tumor_events.new_tumor_event.3.new_neoplasm_event_type:				
distant metastasis	locoregional disease			NA's
	2	1		176
patient.new_tumor_events.new_tumor_event.4.days_to_new_tumor_event_after_initial_diagnosis	93			NA's
	1			178
patient.new_tumor_events.new_tumor_event.4.new_neoplasm_confirmed_diagnosis_method				
imaging				NA's
	1			178
patient.new_tumor_events.new_tumor_event.4.new_neoplasm_event_occurrence_anatomical_site				
lymph node(s)				NA's
	1			178
patient.new_tumor_events.new_tumor_event.4.new_neoplasm_event_type:				
distant metastasis				NA's
	1			178
patient.new_tumor_events.new_tumor_event.5.days_to_new_tumor_event_after_initial_diagnosis	227			NA's
	1			178
patient.new_tumor_events.new_tumor_event.5.new_neoplasm_confirmed_diagnosis_method				
imaging				NA's

1 178

patient.new_tumor_events.new_tumor_event.5.new_neoplasm_event_occurrence_anatomical_site:
bone NA's

1 178

patient.new_tumor_events.new_tumor_event.5.new_neoplasm_event_type:
distant metastasis NA's

1 178

patient.new_tumor_events.new_tumor_event.days_to_new_tumor_event_after_initial_treatment:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0.0	133.5	606.0	954.1	829.5	6866.0	164

patient.new_tumor_events.new_tumor_event.new_neoplasm_confirmed_diagnosis_method:

imaging	pathology	NA's
4	9	166

patient.new_tumor_events.new_tumor_event.new_neoplasm_event_type:

distant metastasis	locoregional disease	new primary tumor
6	3	6
NA's		
164		

patient.new_tumor_events.new_tumor_event_after_initial_treatment:

no	yes	NA's
163	15	1

patient.person_neoplasm_cancer_status:

tumor free	with tumor	NA's
163	12	4

patient.postoperative_rx_tx:

no	yes	NA's
173	4	2

patient.primary_pathology.age_at_initial_pathologic_diagnosis:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.
19.00	35.00	46.00	47.33	58.50	83.00

patient.primary_pathology.ct_scan:

no	yes	NA's
3	164	12

patient.primary_pathology.days_to_initial_pathologic_diagnosis:

0
179

patient.primary_pathology.disease_detected_on_screening:

no	yes	NA's
41	91	47

patient.primary_pathology.histological_type:	
	paraganglioma
	18
paraganglioma; extra-adrenal pheochromocytoma	
	13
	pheochromocytoma
	148

patient.primary_pathology.laterality:				
bilateral	left	right	NA's	
2	73	76	28	

patient.primary_pathology.lymph_node_examined_count:						
Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1.000	1.000	1.000	3.083	4.000	15.000	155

patient.primary_pathology.number_of_lymphnodes_positive_by_he:					
0	1	2	13	NA's	
16	3	1	1	158	

patient.primary_pathology.outside_adrenal:	
multiple tumors outside the adrenal glands	10
single tumor outside the adrenal glands	7
	NA's
	162

patient.primary_pathology.primary_lymph_node_presentation_assessment:			
no	yes	NA's	
107	24	48	

patient.primary_pathology.tumor_tissue_site:	
adrenal gland	extra-adrenal site
147	32

patient.primary_pathology.year_of_initial_pathologic_diagnosis:					
Min.	1st Qu.	Median	Mean	3rd Qu.	Max.
1988	2009	2011	2010	2012	2013

patient.primary_therapy_outcome_success:		
complete remission/response	partial remission/response	
	160	1
progressive disease	stable disease	
	10	1
	NA's	
	7	

patient.prior_dx:

no yes
152 27

patient.race:

american indian or alaska native	1	asian	6
black or african american	20	white	148
NA's	4		

patient.radiation_therapy:

no yes NA's
174 3 2

patient.radiations.radiation.2.anatomic_treatment_site:

primary tumor field	1	NA's	178
---------------------	---	------	-----

patient.radiations.radiation.2.bcr_radiation_barcode:

tcga-qr-a70p-r66730	1	NA's	178
---------------------	---	------	-----

patient.radiations.radiation.2.bcr_radiation_uuid:

deld5805-3493-42e5-a8ee-2fed1abfe824	1	NA's	178
--------------------------------------	---	------	-----

patient.radiations.radiation.2.day_of_form_completion:

24 NA's
1 178

patient.radiations.radiation.2.days_to_radiation_therapy_end:

704 NA's
1 178

patient.radiations.radiation.2.days_to_radiation_therapy_start:

704 NA's
1 178

patient.radiations.radiation.2.measure_of_response:

radiographic progressive disease	1	NA's	178
----------------------------------	---	------	-----

patient.radiations.radiation.2.month_of_form_completion:

10 NA's
1 178

patient.radiations.radiation.2.numfractions:

gamma knife radiosurgery	1	NA's	178
--------------------------	---	------	-----

```

patient.radiations.radiation.2.radiation_treatment_ongoing:
  no NA's
  1 178

patient.radiations.radiation.2.radiation_type:
external      NA's
  1          178

patient.radiations.radiation.2.year_of_form_completion:
2014 NA's
  1 178

patient.radiations.radiation.anatomic_treatment_site:
distant site      NA's
  3                176

patient.radiations.radiation.day_of_form_completion:
  7 15 24 NA's
  1  2  2 174

patient.radiations.radiation.days_to_radiation_therapy_end:
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.    NA's
  418    551    1468    1744    2266    4015    174

patient.radiations.radiation.days_to_radiation_therapy_start:
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.    NA's
  123    415    1252    1404    2266    2963    174

patient.radiations.radiation.measure_of_response:
          partial response radiographic progressive disease
          1                                2
          stable disease                    NA's
          1                                175

patient.radiations.radiation.month_of_form_completion:
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.    NA's
  1.0    4.0    7.0    6.6    10.0    11.0    174

patient.radiations.radiation.numfractions:
  2  3 NA's
  1  1 177

patient.radiations.radiation.radiation_dosage:
  129 2,000 cgy    310    600    NA's
  1      1      1      1      175

patient.radiations.radiation.radiation_treatment_ongoing:
  no NA's
  5 174

```

```

patient.radiations.radiation.radiation_type:
external systemic      NA's
      2          3      174

```

```

patient.radiations.radiation.units:
mci NA's
  3 176

```

```

patient.radiations.radiation.year_of_form_completion:
2014 2015 NA's
  4   1 174

```

```

patient.tissue_prospective_collection_indicator:
no  yes NA's
158 19   2

```

```

patient.tissue_retrospective_collection_indicator:
no  yes NA's
19 159  1

```

```

patient.vital_status:
alive  dead
173    6

```

```

patient.year_of_form_completion:
2013 2014
  34 145

```

```

patient.bcr_canonical_check.bcr_patient_canonical_reasons.bcr_canonical_reason:
      case matched expression control
                                      2
primary tumor and additional primary tumor(s)
                                      3
      primary tumor and metastatic tumor(s)
                                      1
                                      NA's
                                      173

```

```

patient.bcr_canonical_check.bcr_patient_canonical_reasons.bcr_canonical_reason.2
      case matched methylation control primary tumor and metastatic tumor(s)
                                      2                                     1
                                      NA's
                                      176

```

```

patient.bcr_canonical_check.bcr_patient_canonical_reasons.bcr_canonical_reason.3
germline comparison                    NA's
                                      2          177

```

```

patient.bcr_canonical_check.bcr_patient_canonical_status:
      canonical canonical - plus
      173                6

```

patient.biospecimen_cqcf.consent_or_death_status:
 consented deceased
 178 1

patient.biospecimen_cqcf.days_to_sample_procurement:
 Min. 1st Qu. Median Mean 3rd Qu. Max.
 -427.000 -1.000 0.000 -2.039 0.000 153.000

patient.biospecimen_cqcf.ethnicity:
 hispanic or latino not hispanic or latino NA's
 4 111 64

patient.biospecimen_cqcf.frozen_specimen_anatomic_site:
 adrenal gland other
 147 32

patient.biospecimen_cqcf.histological_type:
 paraganglioma
 25
 paraganglioma; extra-adrenal pheochromocytoma
 6
 pheochromocytoma
 148

patient.biospecimen_cqcf.history_of_neoadjuvant_treatment:
 no yes
 178 1

patient.biospecimen_cqcf.laterality:
 left right NA's
 75 77 27

patient.biospecimen_cqcf.method_of_sample_procurement:
 surgical resection
 179

patient.biospecimen_cqcf.normal_controls.normal_control.2.days_to_normal_sample:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 -366.0 0.0 33.0 360.1 228.2 2755.0 167

patient.biospecimen_cqcf.normal_controls.normal_control.2.extracted_dna.ncedna_d:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 0.0930 0.1114 0.1260 7.2554 0.1730 50.0000 172

patient.biospecimen_cqcf.normal_controls.normal_control.2.extracted_dna.ncedna_d:
 cdrop nanodrop qubit NA's
 1 5 1 172

patient.biospecimen_cqcf.normal_controls.normal_control.2.extracted_dna.ncedna_d

15 16 20 NA's
2 2 3 172

patient.biospecimen_cqcf.normal_controls.normal_control.2.extracted_dna.ncedna_d
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
85.8 123.5 158.7 165.7 184.3 300.0 172

patient.biospecimen_cqcf.normal_controls.normal_control.2.method_of_normal_sampl
blood draw other (please specify) surgical resection
10 1 1
NA's
167

patient.biospecimen_cqcf.normal_controls.normal_control.2.normal_tissue.normal_t
other NA's
1 178

patient.biospecimen_cqcf.normal_controls.normal_control.2.normal_tissue.normal_t
distal (>2cm) NA's
1 178

patient.biospecimen_cqcf.normal_controls.normal_control.2.vial_number:
1 2 NA's
17 6 156

patient.biospecimen_cqcf.normal_controls.normal_control.3.days_to_normal_sample_
0 3269 NA's
2 1 176

patient.biospecimen_cqcf.normal_controls.normal_control.3.method_of_normal_sampl
blood draw NA's
3 176

patient.biospecimen_cqcf.normal_controls.normal_control.3.vial_number:
1 NA's
7 172

patient.biospecimen_cqcf.normal_controls.normal_control.4.bcr_sample_uuid:
b1ded7e6-20f5-4cb6-b104-17af110a7055 b973c726-b4ae-4d1c-a6f1-1729ea89e50e
1 1
NA's
177

patient.biospecimen_cqcf.normal_controls.normal_control.4.vial_number:
2 NA's
2 177

patient.biospecimen_cqcf.normal_controls.normal_control.5.bcr_sample_uuid:
c0a16863-77e2-4c90-bfd8-b124bbd6de5f NA's
1 178

patient.biospecimen_cqcf.normal_controls.normal_control.5.days_to_normal_sample_
 0 NA's
 1 178

patient.biospecimen_cqcf.normal_controls.normal_control.5.method_of_normal_sampl
 blood draw NA's
 1 178

patient.biospecimen_cqcf.normal_controls.normal_control.5.vial_number:
 1 NA's
 1 178

patient.biospecimen_cqcf.normal_controls.normal_control.days_to_normal_sample_pr
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 -941.0 -31.0 -4.0 284.1 34.0 9180.0 6

patient.biospecimen_cqcf.normal_controls.normal_control.extracted_dna.ncedna_dna
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 0.0158 0.1130 0.2000 0.9524 0.3565 43.5000 76

patient.biospecimen_cqcf.normal_controls.normal_control.extracted_dna.ncedna_dna
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 6.24 15.00 15.00 17.07 17.00 79.09 76

patient.biospecimen_cqcf.normal_controls.normal_control.extracted_dna.ncedna_dna
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 15.70 49.85 80.20 136.32 150.00 1400.00 76

patient.biospecimen_cqcf.normal_controls.normal_control.method_of_normal_sample_
 blood draw surgical resection NA's
 168 5 6

patient.biospecimen_cqcf.normal_controls.normal_control.normal_tissue.normal_tis
 kidney other NA's
 1 4 174

patient.biospecimen_cqcf.normal_controls.normal_control.normal_tissue.normal_tis
 distal (>2cm) NA's
 5 174

patient.biospecimen_cqcf.normal_controls.normal_control.vial_number:
 1 2 4
 177 1 1

patient.biospecimen_cqcf.path_confirm_diagnosis_matching:
 yes
 179

patient.biospecimen_cqcf.path_confirm_report_attached:

patient.biospecimen_cqcf.tumor_samples.tumor_sample.tumor_necrosis_percent:
 Min. 1st Qu. Median Mean 3rd Qu. Max.
 0.000 0.000 0.000 1.536 0.000 80.000

patient.biospecimen_cqcf.tumor_samples.tumor_sample.tumor_nuclei_percent:
 Min. 1st Qu. Median Mean 3rd Qu. Max.
 40.00 80.00 90.00 87.51 99.50 100.00

patient.biospecimen_cqcf.tumor_samples.tumor_sample.tumor_weight:
 Min. 1st Qu. Median Mean 3rd Qu. Max.
 30.0 50.0 100.0 188.1 220.0 1800.0

patient.biospecimen_cqcf.tumor_samples.tumor_sample.vial_number:
 1 2
 178 1

patient.biospecimen_cqcf.vessel_used:
 biospecimen storage bag cassette cryomold
 5 1 52
 cryovial other (please specify)
 88 33

patient.days_to_index:
 0
 179

patient.samples.sample.2.bcr_biospecimen_canonical_reasons.bcr_canonical_reason:
 primary tumor and additional primary tumor(s)
 3
 primary tumor and metastatic tumor(s)
 1
 NA's
 175

patient.samples.sample.2.days_to_collection:
 Min. 1st Qu. Median Mean 3rd Qu. Max.
 26.0 308.5 730.0 1132.6 1564.0 9332.0

patient.samples.sample.2.initial_weight:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 50.0 82.5 95.0 105.0 107.5 200.0 173

patient.samples.sample.2.is_ffpe:
 no
 179

patient.samples.sample.2.oct_embedded:
 false true
 177 2

```

patient.samples.sample.2.pathology_report_file_name:
tcga-p7-a5ny.c46323fe-b5d9-45d4-b87b-1f8c89e8397d.pdf
1
tcga-qr-a6gz.9bcad0f3-eca4-4522-843a-aecdef712dc2.pdf
1
tcga-rw-a686.ab1b615a-eba8-4004-a508-0622b1fb29d5.pdf
1
tcga-sr-a6mx.db0b2d04-686f-4935-a5e5-deb421367016.pdf
1
NA's
175

```

```

patient.samples.sample.2.pathology_report_uuid:
9bcad0f3-eca4-4522-843a-aecdef712dc2 ab1b615a-eba8-4004-a508-0622b1fb29d5
1 1
c46323fe-b5d9-45d4-b87b-1f8c89e8397d db0b2d04-686f-4935-a5e5-deb421367016
1 1
NA's
175

```

```

patient.samples.sample.2.portions.portion.analytes.analyte.2.a260_a280_ratio:
1.79 1.8 1.85 1.96 NA's
1 1 1 1 175

```

```

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.2.
tcga-p7-a5ny-05a-11r-a35m-13 tcga-qr-a6gz-05a-11r-a35m-13
1 1
tcga-rw-a686-06a-11r-a35m-13 tcga-sr-a6mx-05a-11r-a35n-13
1 1
NA's
175

```

```

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.2.
4fd8626c-1e35-4c16-a5a3-f95abel1aa58a 50da60b8-ae20-4fb4-936a-eb84415bb216
1 1
5e700cdd-2951-4f9f-9fec-fdb7b5541424 6583a928-6d7d-4a96-a401-1fce8fa98fb3
1 1
NA's
175

```

```

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.2.
160339322 160339357 160339367 160339435 NA's
1 1 1 1 175

```

```

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.2.
13 NA's
4 175

```

```

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.2.
0.16 0.17 0.18 NA's
2 1 1 175

```

```

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.2.
  18 NA's
  4 175

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.2.
  no NA's
  4 175

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.2.
  12 NA's
  4 175

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.2.
  1 3 5 11 NA's
  1 1 1 1 175

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.2.
a35m a35n NA's
  3 1 175

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.2.
  c e f NA's
  2 1 1 175

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.2.
  3.2 3.4 3.6 NA's
  2 1 1 175

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.2.
  23 NA's
  4 175

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.2.
  20 NA's
  4 175

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.2.
  2013 NA's
  4 175

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.bi
  Min. 1st Qu. Median Mean 3rd Qu. Max.
160337978 167802956 167803005 167636943 167804590 167804639

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.ce
  7 8
  4 175

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.co

```

0.16 0.17 0.18 0.5
 2 1 1 175

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.da
 8 18
 175 4

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.is
 no
 179

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.mo
 7 12
 175 4

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.pl
 Min. 1st Qu. Median Mean 3rd Qu. Max.
 1.000 3.000 6.000 6.106 9.000 12.000

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.pl
 a35k a35l a441 a442
 3 1 87 88

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.qu
 2.08 2.21 2.34 40
 2 1 1 175

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.so
 23
 179

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.vo
 13 80
 4 175

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.ye
 2013 2014
 4 175

patient.samples.sample.2.portions.portion.analytes.analyte.2.amount:
 19.05 30.63 35.49 41.95 NA's
 1 1 1 1 175

patient.samples.sample.2.portions.portion.analytes.analyte.2.analyte_type:
 repli-g (qiagen) dna rna
 175 4

patient.samples.sample.2.portions.portion.analytes.analyte.2.analyte_type_id:
 r w
 4 175

```

patient.samples.sample.2.portions.portion.analytes.analyte.2.concentration:
0.16 0.17 0.18 NA's
    2    1    1 175

patient.samples.sample.2.portions.portion.analytes.analyte.2.dna.normal_tumor_ge
yes NA's
175    4

patient.samples.sample.2.portions.portion.analytes.analyte.2.dna.pcr_amplificati
yes NA's
175    4

patient.samples.sample.2.portions.portion.analytes.analyte.2.gel_image_file:
https://sharedoc.nchri.org/tcga-bcr/default.aspx
                                           179

patient.samples.sample.2.portions.portion.analytes.analyte.2.is_derived_from_ffp
no
179

patient.samples.sample.2.portions.portion.analytes.analyte.2.protocols.protocol.
mirvana (allprep dna) rna                    repli-g
                                           4                    175

patient.samples.sample.2.portions.portion.analytes.analyte.2.rna.ratio_28s_18s:
0.77 1.12 1.22 NA's
    1    1    2 175

patient.samples.sample.2.portions.portion.analytes.analyte.2.rna.rinvalue:
    7  7.1    8  8.8 NA's
    1    1    1    1 175

patient.samples.sample.2.portions.portion.analytes.analyte.2.spectrophotometer_m
uv spec    NA's
    4        175

patient.samples.sample.2.portions.portion.analytes.analyte.2.subportion_sequence
    1    2 NA's
    6    1 172

patient.samples.sample.2.portions.portion.analytes.analyte.3.aliquots.aliquot.bo
tcga-p7-a5ny-05a-11w-a43z-08 tcga-qr-a6gz-05a-11w-a43z-08
                                           1                    1
tcga-rw-a686-06a-11w-a43z-08 tcga-sr-a6mx-05a-11w-a440-08
                                           1                    1
                                           NA's
                                           175

patient.samples.sample.2.portions.portion.analytes.analyte.3.aliquots.aliquot.bo
150314eb-f06b-4830-99f0-d9e9b0d187ce 3b84702f-2ca1-45cc-a3af-b3c4aac8e4cd

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```

                                1
bd2bd82b-5279-4d29-af48-ba06a782f69e d1e21129-6b15-430f-8c34-e2bf87d69ce9
                                1
                                NA's
                                175

patient.samples.sample.2.portions.portion.analytes.analyte.3.aliquots.aliquot.bi
167802252 167802275 167802300 167803356      NA's
          1          1          1          1      175

patient.samples.sample.2.portions.portion.analytes.analyte.3.aliquots.aliquot.ce
  8 NA's
  4 175

patient.samples.sample.2.portions.portion.analytes.analyte.3.aliquots.aliquot.co
 0.5 NA's
  4 175

patient.samples.sample.2.portions.portion.analytes.analyte.3.aliquots.aliquot.da
  8 NA's
  4 175

patient.samples.sample.2.portions.portion.analytes.analyte.3.aliquots.aliquot.is
no NA's
  4 175

patient.samples.sample.2.portions.portion.analytes.analyte.3.aliquots.aliquot.mo
  7 NA's
  4 175

patient.samples.sample.2.portions.portion.analytes.analyte.3.aliquots.aliquot.pl
 12 NA's
  4 175

patient.samples.sample.2.portions.portion.analytes.analyte.3.aliquots.aliquot.pl
a43z a440 NA's
  3   1 175

patient.samples.sample.2.portions.portion.analytes.analyte.3.aliquots.aliquot.pl
  c   f   g NA's
  2   1   1 175

patient.samples.sample.2.portions.portion.analytes.analyte.3.aliquots.aliquot.qu
 40 NA's
  4 175

patient.samples.sample.2.portions.portion.analytes.analyte.3.aliquots.aliquot.so
 23 NA's
  4 175

patient.samples.sample.2.portions.portion.analytes.analyte.3.aliquots.aliquot.vo
 80 NA's
```

4 175

patient.samples.sample.2.portions.portion.analytes.analyte.3.aliquots.aliquot.ye
2014 NA's

4 175

patient.samples.sample.2.portions.portion.analytes.analyte.3.analyte_type:
repli-g (qiagen) dna NA's

4 175

patient.samples.sample.2.portions.portion.analytes.analyte.3.analyte_type_id:
w NA's

4 175

patient.samples.sample.2.portions.portion.analytes.analyte.3.bcr_analyte_barcode:
tcga-p7-a5ny-05a-11w tcga-qr-a6gz-05a-11w tcga-rw-a686-06a-11w

1 1 1

tcga-sr-a6mx-05a-11w NA's
1 175

patient.samples.sample.2.portions.portion.analytes.analyte.3.bcr_analyte_uuid:
04993369-afd2-4b71-a8f1-008177b40203 2798b3c2-5cd2-46f4-afc9-0fe907e32720

1 1

43a60648-5b0f-4f74-b199-75d654534198 955951d0-a09c-49e4-a312-78304e50c0e2

1 1

NA's

175

patient.samples.sample.2.portions.portion.analytes.analyte.3.dna.normal_tumor_ge
yes NA's

4 175

patient.samples.sample.2.portions.portion.analytes.analyte.3.dna.pcr_amplificati
yes NA's

4 175

patient.samples.sample.2.portions.portion.analytes.analyte.3.gel_image_file:
<https://sharedoc.nchri.org/tcga-bcr/default.aspx>

4

NA's

175

patient.samples.sample.2.portions.portion.analytes.analyte.3.is_derived_from_ffp
no NA's

4 175

patient.samples.sample.2.portions.portion.analytes.analyte.3.protocols.protocol.
repli-g NA's

4 175

patient.samples.sample.2.portions.portion.analytes.analyte.3.subportion_sequence
1 NA's

4 175

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.2.bi
 Min. 1st Qu. Median Mean 3rd Qu. Max.
 160336829 160337896 160337950 160338237 160338672 160339548

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.2.ce
 8
 179

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.2.co
 0.06 0.07 0.08 0.09
 1 72 89 17

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.2.da
 6
 179

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.2.is
 no
 179

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.2.mo
 1
 179

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.2.pl
 Min. 1st Qu. Median Mean 3rd Qu. Max.
 1.000 3.000 6.000 6.263 9.000 12.000

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.2.pl
 a35b a35d a35g a35i
 87 3 88 1

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.2.qu
 2.4 2.8 3.2 3.6
 1 72 89 17

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.2.so
 23
 179

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.2.vo
 40
 179

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.2.ye
 2014
 179

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.3.qu
 1.82 2.21 NA's
 2 2 175

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.3.so
 23 NA's
 4 175

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.3.vo
 13 NA's
 4 175

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.3.ye
 2013 NA's
 4 175

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.bios
 Min. 1st Qu. Median Mean 3rd Qu. Max.
 160336863 160337616 160337762 160337736 160337812 160339068

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.cent
 1
 179

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.conc
 0.13 0.14 0.15 0.16 0.17
 1 38 63 47 30

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.day_
 6
 179

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.is_d
 no
 179

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.mont
 1
 179

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.plat
 Min. 1st Qu. Median Mean 3rd Qu. Max.
 1.000 3.000 6.000 6.263 9.000 12.000

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.plat
 a35a a35c a35f a35h
 87 3 88 1

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.quant
0.87 0.94 1.01 1.07 1.14
1 38 63 47 30

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.sour
23
179

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.vol
6.7
179

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.year
2014
179

patient.samples.sample.2.portions.portion.analytes.analyte.amount:
Min. 1st Qu. Median Mean 3rd Qu. Max.
4.26 10.43 12.95 18.70 19.86 131.16

patient.samples.sample.2.portions.portion.analytes.analyte.analyte_type:
dna
179

patient.samples.sample.2.portions.portion.analytes.analyte.analyte_type_id:
d
179

patient.samples.sample.2.portions.portion.analytes.analyte.concentration:
0.13 0.14 0.15 0.16 0.17
1 38 63 47 30

patient.samples.sample.2.portions.portion.analytes.analyte.dna.normal_tumor_gen
yes
179

patient.samples.sample.2.portions.portion.analytes.analyte.dna.pcr_amplification
yes
179

patient.samples.sample.2.portions.portion.analytes.analyte.gel_image_file:
<https://sharedoc.nchri.org/tcga-bcr/default.aspx>
179

patient.samples.sample.2.portions.portion.analytes.analyte.is_derived_from_ffpe:
no
179

patient.samples.sample.2.portions.portion.analytes.analyte.protocols.protocol.ex
adna preparation type pre-extracted dna received by tss

patient.samples.sample.2.portions.portion.analytes.analyte.spectrophotometer_met
picogreen

179

patient.samples.sample.2.portions.portion.analytes.analyte.subportion_sequence:

1 2 NA's
6 1 172

patient.samples.sample.2.portions.portion.day_of_creation:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.
2.00	14.00	23.00	19.98	27.00	31.00

patient.samples.sample.2.portions.portion.is_ffpe:

no
179

patient.samples.sample.2.portions.portion.month_of_creation:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.
2.000	5.000	7.000	7.575	10.000	12.000

patient.samples.sample.2.portions.portion.portion_number:

1 11 12 21
172 4 1 2

patient.samples.sample.2.portions.portion.portion_sequence:

1 2 NA's
176 2 1

patient.samples.sample.2.portions.portion.slides.slide.is_derived_from_ffpe:

no NA's
6 173

patient.samples.sample.2.portions.portion.slides.slide.percent_lymphocyte_infilt

0 2 NA's
5 1 173

patient.samples.sample.2.portions.portion.slides.slide.percent_monocyte_infiltra

0 NA's
6 173

patient.samples.sample.2.portions.portion.slides.slide.percent_necrosis:

0 NA's
6 173

patient.samples.sample.2.portions.portion.slides.slide.percent_neutrophil_infilt

```

0 NA's
6 173

patient.samples.sample.2.portions.portion.slides.slide.percent_normal_cells:
0 100 NA's
4 2 173

patient.samples.sample.2.portions.portion.slides.slide.percent_stromal_cells:
0 5 50 NA's
3 2 1 173

patient.samples.sample.2.portions.portion.slides.slide.percent_tumor_cells:
0 50 95 100 NA's
2 1 2 1 173

patient.samples.sample.2.portions.portion.slides.slide.percent_tumor_nuclei:
0 75 80 95 NA's
2 1 1 2 173

patient.samples.sample.2.portions.portion.slides.slide.section_location:
top NA's
6 173

patient.samples.sample.2.portions.portion.weight:
2 30 NA's
70 6 103

patient.samples.sample.2.portions.portion.year_of_creation:
2013
179

patient.samples.sample.2.portions.shipment_portion.bcr_shipment_portion_uuid:
6865218f-9599-4f77-9786-3f581172f6a5 b39d162d-35f2-48e7-a22b-bc913599b1cf
1 1
NA's
177

patient.samples.sample.2.portions.shipment_portion.center_id:
20 NA's
2 177

patient.samples.sample.2.portions.shipment_portion.is_ffpe:
no NA's
2 177

patient.samples.sample.2.portions.shipment_portion.plate_id:
a43b NA's
2 177

patient.samples.sample.2.portions.shipment_portion.portion_number:
21 NA's
2 177

```

patient.samples.sample.2.portions.shipment_portion.portion_sequence:

2 NA's
2 177

patient.samples.sample.2.portions.shipment_portion.shipment_portion_bcr_aliquot:

tcga-rw-a686-06a-21-a43b-20 tcga-sr-a6mx-05a-21-a43b-20
1 1
NA's
177

patient.samples.sample.2.portions.shipment_portion.shipment_portion_day_of_shipment:

10 NA's
2 177

patient.samples.sample.2.portions.shipment_portion.shipment_portion_month_of_shipment:

6 NA's
2 177

patient.samples.sample.2.portions.shipment_portion.shipment_portion_year_of_shipment:

2014 NA's
2 177

patient.samples.sample.2.sample_type:

additional - new primary	blood derived normal	metastatic
3	173	1
solid tissue normal		
2		

patient.samples.sample.2.sample_type_id:

5 6 10 11
3 1 173 2

patient.samples.sample.2.vial_number:

a	b	c	d
160	12	5	2

patient.samples.sample.3.bcr_biospecimen_canonical_reasons.bcr_canonical_reason:

germline comparison	primary tumor	and metastatic tumor(s)
2		1
NA's		
176		

patient.samples.sample.3.days_to_collection:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
125.0	164.0	310.0	469.3	579.0	1364.0	172

patient.samples.sample.3.initial_weight:

60	100	180	NA's
2	1	1	175

patient.samples.sample.3.is_ffpe:

no NA's
7 172

patient.samples.sample.3.oct_embedded:

false true NA's
4 3 172

patient.samples.sample.3.pathology_report_file_name:

tcga-sr-a6mx.5e8f4633-9672-4aea-8898-acdda3539057.pdf
1
NA's
178

patient.samples.sample.3.pathology_report_uuid:

5e8f4633-9672-4aea-8898-acdda3539057
1 NA's
178

patient.samples.sample.3.portions.portion.analytes.analyte.2.a260_a280_ratio:

1.84 1.87 1.9 2.02 NA's
1 1 1 1 175

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.2.

tcga-p8-a5kc-11a-11r-a35m-13 tcga-p8-a5kd-11a-11r-a35m-13
1 1
tcga-sq-a6i4-11a-11r-a35n-13 tcga-sr-a6mx-06a-11r-a35n-13
1 1
NA's
175

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.2.

060c26b8-f352-4660-8362-ffb2715d90e3 82f9e456-7c53-482c-b643-ff0e931b801f
1 1
9662fc9f-5470-4cf4-a0d1-f9cbcc492bc1 eeefa3954-22bb-4e39-a882-5b6e81717c64
1 1
NA's
175

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.2.

case matched expression control NA's
2 177

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.2.

160339319 160339343 160339420 160339460 NA's
1 1 1 1 175

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.2.

13 NA's
4 175

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.2.

0.16 0.17 0.18 NA's
 1 1 2 175

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.2.
 18 NA's
 4 175

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.2.
 no NA's
 4 175

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.2.
 12 NA's
 4 175

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.2.
 1 4 5 NA's
 2 1 1 175

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.2.
 a35m a35n NA's
 2 2 175

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.2.
 c e f g NA's
 1 1 1 1 175

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.2.
 3.2 3.4 3.6 NA's
 1 1 2 175

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.2.
 23 NA's
 4 175

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.2.
 20 NA's
 4 175

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.2.
 2013 NA's
 4 175

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.bi
 case matched expression control NA's
 2 177

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.bi
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 160337975 160338374 160338788 163538189 167804596 167804618 172

```

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.ce
  7      8 NA's
  4      3 172

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.co
0.16 0.17 0.18 0.5 NA's
  1      1      2      3 172

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.da
  8     18 NA's
  3      4 172

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.is
no NA's
  7 172

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.mo
  7     12 NA's
  3      4 172

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.pl
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.    NA's
1.000  1.000   3.000  3.571  4.500 10.000    172

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.pl
a35k a35l a44l NA's
  2      2      3 172

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.qu
2.08 2.21 2.34 40 NA's
  1      1      2      3 172

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.so
23 NA's
  7 172

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.vo
13     80 NA's
  4      3 172

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.ye
2013 2014 NA's
  4      3 172

patient.samples.sample.3.portions.portion.analytes.analyte.2.amount:
24.58 29.44 43.29 49.06 NA's
  1      1      1      1 175

patient.samples.sample.3.portions.portion.analytes.analyte.2.analyte_type:
repli-g (qiagen) dna                rna                NA's

```

3

4

172

patient.samples.sample.3.portions.portion.analytes.analyte.2.analyte_type_id:

r w NA's
4 3 172

patient.samples.sample.3.portions.portion.analytes.analyte.2.concentration:

0.16 0.17 0.18 NA's
1 1 2 175

patient.samples.sample.3.portions.portion.analytes.analyte.2.dna.normal_tumor_ge

yes NA's
3 176

patient.samples.sample.3.portions.portion.analytes.analyte.2.dna.pcr_amplificati

yes NA's
3 176

patient.samples.sample.3.portions.portion.analytes.analyte.2.gel_image_file:

<https://sharedoc.nchri.org/tcga-bcr/default.aspx>
7
NA's
172

patient.samples.sample.3.portions.portion.analytes.analyte.2.is_derived_from_ffp

no NA's
7 172

patient.samples.sample.3.portions.portion.analytes.analyte.2.protocols.protocol.

mirvana (allprep dna) rna repli-g NA's
4 3 172

patient.samples.sample.3.portions.portion.analytes.analyte.2.rna.ratio_28s_18s:

1.04 1.13 1.42 1.88 NA's
1 1 1 1 175

patient.samples.sample.3.portions.portion.analytes.analyte.2.rna.rinvalue:

8.6 8.7 9 9.7 NA's
1 1 1 1 175

patient.samples.sample.3.portions.portion.analytes.analyte.2.spectrophotometer_m

uv spec NA's
4 175

patient.samples.sample.3.portions.portion.analytes.analyte.2.subportion_sequence

1 NA's
4 175

patient.samples.sample.3.portions.portion.analytes.analyte.3.aliquots.aliquot.bo

tcga-p8-a5kc-11a-11w-a43z-08 tcga-p8-a5kd-11a-11w-a43z-08

```

1 1
tcga-sq-a6i4-11a-11w-a440-08 tcga-sr-a6mx-06a-11w-a440-08
1 1
NA's
175

```

```

patient.samples.sample.3.portions.portion.analytes.analyte.3.aliquots.aliquot.bo
54f4c929-b007-49a7-ab0e-add8d9cecb0d 5ead36fd-a2ba-4b7c-a418-4952054d1f26
1 1
bbe8e5ac-4d99-4702-84f9-afe16d30f728 c84cc312-9fe1-4572-8333-7542feb0b422
1 1
NA's
175

```

```

patient.samples.sample.3.portions.portion.analytes.analyte.3.aliquots.aliquot.bi
167802276 167802299 167803355 167803379 NA's
1 1 1 1 175

```

```

patient.samples.sample.3.portions.portion.analytes.analyte.3.aliquots.aliquot.ce
8 NA's
4 175

```

```

patient.samples.sample.3.portions.portion.analytes.analyte.3.aliquots.aliquot.co
0.5 NA's
4 175

```

```

patient.samples.sample.3.portions.portion.analytes.analyte.3.aliquots.aliquot.da
8 NA's
4 175

```

```

patient.samples.sample.3.portions.portion.analytes.analyte.3.aliquots.aliquot.is
no NA's
4 175

```

```

patient.samples.sample.3.portions.portion.analytes.analyte.3.aliquots.aliquot.mo
7 NA's
4 175

```

```

patient.samples.sample.3.portions.portion.analytes.analyte.3.aliquots.aliquot.pl
12 NA's
4 175

```

```

patient.samples.sample.3.portions.portion.analytes.analyte.3.aliquots.aliquot.pl
a43z a440 NA's
2 2 175

```

```

patient.samples.sample.3.portions.portion.analytes.analyte.3.aliquots.aliquot.pl
b d e NA's
1 2 1 175

```

```

patient.samples.sample.3.portions.portion.analytes.analyte.3.aliquots.aliquot.qu
40 NA's

```

4 175

patient.samples.sample.3.portions.portion.analytes.analyte.3.aliquots.aliquot.so

23 NA's

4 175

patient.samples.sample.3.portions.portion.analytes.analyte.3.aliquots.aliquot.vo

80 NA's

4 175

patient.samples.sample.3.portions.portion.analytes.analyte.3.aliquots.aliquot.ye

2014 NA's

4 175

patient.samples.sample.3.portions.portion.analytes.analyte.3.analyte_type:

repli-g (qiagen) dna NA's

4 175

patient.samples.sample.3.portions.portion.analytes.analyte.3.analyte_type_id:

w NA's

4 175

patient.samples.sample.3.portions.portion.analytes.analyte.3.bcr_analyte_barcode

tcga-p8-a5kc-11a-11w tcga-p8-a5kd-11a-11w tcga-sq-a6i4-11a-11w

1 1 1

tcga-sr-a6mx-06a-11w NA's

1 175

patient.samples.sample.3.portions.portion.analytes.analyte.3.bcr_analyte_uuid:

1364e579-7600-49f9-aa52-b2b4b0cd10ae 1ae50686-df1b-400e-b181-9f12edd4d2ce

1 1

204714a4-512d-4517-a3c3-3d836cbf785b c6965c4d-0b04-4531-b53d-3fc57f9e94e3

1 1

NA's

175

patient.samples.sample.3.portions.portion.analytes.analyte.3.dna.normal_tumor_ge

yes NA's

4 175

patient.samples.sample.3.portions.portion.analytes.analyte.3.dna.pcr_amplificati

yes NA's

4 175

patient.samples.sample.3.portions.portion.analytes.analyte.3.gel_image_file:

<https://sharedoc.nchri.org/tcga-bcr/default.aspx>

4

NA's

175

patient.samples.sample.3.portions.portion.analytes.analyte.3.is_derived_from_ffp

no NA's

4 175

patient.samples.sample.3.portions.portion.analytes.analyte.3.protocols.protocol.
repli-g NA's
4 175

patient.samples.sample.3.portions.portion.analytes.analyte.3.subportion_sequence
1 NA's
4 175

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.2.bi
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
160338657 160338697 160338948 160339013 160339259 160339571 172

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.2.ce
8 NA's
7 172

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.2.co
0.07 0.08 0.09 NA's
3 3 1 172

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.2.da
6 NA's
7 172

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.2.is
no NA's
7 172

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.2.mo
1 NA's
7 172

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.2.pl
1 3 10 12 NA's
1 1 1 4 172

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.2.pl
a35b a35d a35i NA's
3 2 2 172

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.2.pl
b d e f NA's
3 2 1 1 172

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.2.qu
2.8 3.2 3.6 NA's
3 3 1 172

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.2.sc
 23 NA's
 7 172

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.2.vo
 40 NA's
 7 172

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.2.ye
 2014 NA's
 7 172

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.3.bo
 tcga-p8-a5kc-11a-11d-a35e-05 tcga-p8-a5kd-11a-11d-a35e-05
 1 1
 tcga-sq-a6i4-11a-11d-a35j-05 tcga-sr-a6mx-06a-11d-a35j-05
 1 1
 NA's
 175

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.3.bo
 7a9e0da4-8239-407b-b51d-8f9134f209a7 d30f306b-45c1-472f-9aa1-db02a848bf43
 1 1
 dbf9fe44-7e80-44a3-9957-85682a6141b7 df21bba1-af8b-4802-a83b-493e7758a1db
 1 1
 NA's
 175

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.3.bo
 case matched methylation control NA's
 2 177

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.3.bi
 160338468 160338491 160338587 160338611 NA's
 1 1 1 1 175

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.3.ce
 5 NA's
 4 175

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.3.co
 0.15 NA's
 4 175

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.3.da
 18 NA's
 4 175

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.3.is
 no NA's
 4 175

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.3.mo
 12 NA's
 4 175

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.3.pl
 12 NA's
 4 175

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.3.pl
 a35e a35j NA's
 2 2 175

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.3.pl
 b d e NA's
 1 2 1 175

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.3.qu
 1.95 NA's
 4 175

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.3.sc
 23 NA's
 4 175

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.3.vo
 13 NA's
 4 175

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.3.ye
 2013 NA's
 4 175

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.bios

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
160336887	160337735	160337793	160338013	160338438	160339067	172

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.cent
 1 NA's
 7 172

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.conc
 0.15 0.17 NA's
 6 1 172

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.day_
 6 NA's
 7 172

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.is_d
 no NA's

7 172

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.mont

1 NA's

7 172

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.plat

1 3 10 12 NA's

1 1 1 4 172

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.plat

a35a a35c a35h NA's

3 2 2 172

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.plat

b d e f NA's

3 2 1 1 172

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.quan

1.01 1.14 NA's

6 1 172

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.sour

23 NA's

7 172

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.vol

6.7 NA's

7 172

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.year

2014 NA's

7 172

patient.samples.sample.3.portions.portion.analytes.analyte.amount:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
7.64	11.64	22.35	20.65	28.91	33.46	172

patient.samples.sample.3.portions.portion.analytes.analyte.analyte_type:

dna NA's

7 172

patient.samples.sample.3.portions.portion.analytes.analyte.analyte_type_id:

d NA's

7 172

patient.samples.sample.3.portions.portion.analytes.analyte.concentration:

0.15 0.17 NA's

6 1 172

patient.samples.sample.3.portions.portion.analytes.analyte.dna.normal_tumor_genome
yes NA's
7 172

patient.samples.sample.3.portions.portion.analytes.analyte.dna.pcr_amplification
yes NA's
7 172

patient.samples.sample.3.portions.portion.analytes.analyte.gel_image_file:
<https://sharedoc.nchri.org/tcga-bcr/default.aspx>
7
NA's
172

patient.samples.sample.3.portions.portion.analytes.analyte.is_derived_from_ffpe:
no NA's
7 172

patient.samples.sample.3.portions.portion.analytes.analyte.protocols.protocol.extra_data_preparation_type_pre_extracted_dna_received_by_tss
adna preparation type pre-extracted dna received by tss
4 3
NA's
172

patient.samples.sample.3.portions.portion.analytes.analyte.spectrophotometer_measurement_picogreen NA's
7 172

patient.samples.sample.3.portions.portion.analytes.analyte.subportion_sequence:
1 NA's
4 175

patient.samples.sample.3.portions.portion.day_of_creation:
4 6 12 29 NA's
2 1 2 2 172

patient.samples.sample.3.portions.portion.is_ffpe:
no NA's
7 172

patient.samples.sample.3.portions.portion.month_of_creation:
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
2.0 2.0 4.0 4.0 5.5 7.0 172

patient.samples.sample.3.portions.portion.portion_number:
1 11 NA's
3 4 172

patient.samples.sample.3.portions.portion.portion_sequence:
1 NA's

7 172

```

patient.samples.sample.3.portions.portion.slides.slide.bcr_slide_barcode:
tcga-p8-a5kc-11a-01-ts1 tcga-p8-a5kd-11a-01-tsa tcga-sq-a6i4-11a-01-ts1
                        1                        1                        1
tcga-sr-a6mx-06a-01-ts1                        NA's
                        1                        175

```

```

patient.samples.sample.3.portions.portion.slides.slide.bcr_slide_uuid:
48bb1f62-b99a-490b-8b6a-9060817618f1 6543d8d3-a78f-42ec-b813-db1520e96953
                        1                        1
853da773-8f33-43f1-a838-0a7bcc30a9b9 f185a97e-b68e-4858-b21e-4d57e10482ff
                        1                        1
                        NA's
                        175

```

```

patient.samples.sample.3.portions.portion.slides.slide.image_file_name:
tcga-p8-a5kc-11a-01-ts1.48bb1f62-b99a-490b-8b6a-9060817618f1.svs
                                                                1
tcga-p8-a5kd-11a-01-tsa.853da773-8f33-43f1-a838-0a7bcc30a9b9.svs
                                                                1
tcga-sq-a6i4-11a-01-ts1.f185a97e-b68e-4858-b21e-4d57e10482ff.svs
                                                                1
tcga-sr-a6mx-06a-01-ts1.6543d8d3-a78f-42ec-b813-db1520e96953.svs
                                                                1
                                                                NA's
                                                                175

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```

patient.samples.sample.3.portions.portion.slides.slide.is_derived_from_ffpe:
no NA's
4 175

```

```

patient.samples.sample.3.portions.portion.slides.slide.percent_lymphocyte_infiltration:
1 NA's
4 175

```

```

patient.samples.sample.3.portions.portion.slides.slide.percent_monocyte_infiltration:
0 NA's
4 175

```

```

patient.samples.sample.3.portions.portion.slides.slide.percent_necrosis:
0 NA's
4 175

```

```

patient.samples.sample.3.portions.portion.slides.slide.percent_neutrophil_infiltration:
0 NA's
4 175

```

```

patient.samples.sample.3.portions.portion.slides.slide.percent_normal_cells:
5 100 NA's
1 3 175

```

patient.samples.sample.3.portions.portion.slides.slide.percent_stromal_cells:
 0 NA's
 4 175

patient.samples.sample.3.portions.portion.slides.slide.percent_tumor_cells:
 0 95 NA's
 3 1 175

patient.samples.sample.3.portions.portion.slides.slide.percent_tumor_nuclei:
 0 80 NA's
 3 1 175

patient.samples.sample.3.portions.portion.slides.slide.section_location:
 top NA's
 4 175

patient.samples.sample.3.portions.portion.weight:
 20 30 NA's
 1 3 175

patient.samples.sample.3.portions.portion.year_of_creation:
 2013 NA's
 7 172

patient.samples.sample.3.portions.shipment_portion.bcr_shipment_portion_uuid:
 a77873f1-988b-4862-b32d-ce7dcc9aa5c3 NA's
 1 178

patient.samples.sample.3.portions.shipment_portion.center_id:
 20 NA's
 1 178

patient.samples.sample.3.portions.shipment_portion.is_ffpe:
 no NA's
 1 178

patient.samples.sample.3.portions.shipment_portion.plate_id:
 a43b NA's
 1 178

patient.samples.sample.3.portions.shipment_portion.portion_number:
 21 NA's
 1 178

patient.samples.sample.3.portions.shipment_portion.portion_sequence:
 2 NA's
 1 178

patient.samples.sample.3.portions.shipment_portion.shipment_portion_bcr_aliquot_
 tcga-sr-a6mx-06a-21-a43b-20 NA's
 1 178

```

patient.samples.sample.3.portions.shipment_portion.shipment_portion_day_of_shipm
  10 NA's
  1 178

patient.samples.sample.3.portions.shipment_portion.shipment_portion_month_of_shi
  6 NA's
  1 178

patient.samples.sample.3.portions.shipment_portion.shipment_portion_year_of_ship
2014 NA's
  1 178

patient.samples.sample.3.sample_type:
blood derived normal      metastatic  solid tissue normal
           3                1                3
           NA's
           172

patient.samples.sample.3.sample_type_id:
  6 10 11 NA's
  1  3  3 172

patient.samples.sample.3.vial_number:
  a NA's
  7 172

patient.samples.sample.4.bcr_sample_barcode:
tcga-sr-a6mx-10a      NA's
           1                178

patient.samples.sample.4.bcr_sample_uuid:
130eadd2-2dc4-475d-9de8-ac08e4fd9d64      NA's
                                           1                178

patient.samples.sample.4.days_to_collection:
139 NA's
  1 178

patient.samples.sample.4.is_ffpe:
no NA's
  1 178

patient.samples.sample.4.oct_embedded:
false NA's
  1 178

patient.samples.sample.4.portions.portion.analytes.analyte.2.aliquots.aliquot.bo
tcga-sr-a6mx-10a-01w-a442-08      NA's
           1                178

patient.samples.sample.4.portions.portion.analytes.analyte.2.aliquots.aliquot.bo
150b0473-5de0-45c7-ab54-07365a5b731b      NA's

```

1

178

patient.samples.sample.4.portions.portion.analytes.analyte.2.aliquots.aliquot.bi
167802988 NA's
1 178

patient.samples.sample.4.portions.portion.analytes.analyte.2.aliquots.aliquot.ce
8 NA's
1 178

patient.samples.sample.4.portions.portion.analytes.analyte.2.aliquots.aliquot.co
0.5 NA's
1 178

patient.samples.sample.4.portions.portion.analytes.analyte.2.aliquots.aliquot.da
8 NA's
1 178

patient.samples.sample.4.portions.portion.analytes.analyte.2.aliquots.aliquot.is
no NA's
1 178

patient.samples.sample.4.portions.portion.analytes.analyte.2.aliquots.aliquot.mo
7 NA's
1 178

patient.samples.sample.4.portions.portion.analytes.analyte.2.aliquots.aliquot.pl
5 NA's
1 178

patient.samples.sample.4.portions.portion.analytes.analyte.2.aliquots.aliquot.pl
a442 NA's
1 178

patient.samples.sample.4.portions.portion.analytes.analyte.2.aliquots.aliquot.pl
b NA's
1 178

patient.samples.sample.4.portions.portion.analytes.analyte.2.aliquots.aliquot.qu
40 NA's
1 178

patient.samples.sample.4.portions.portion.analytes.analyte.2.aliquots.aliquot.so
23 NA's
1 178

patient.samples.sample.4.portions.portion.analytes.analyte.2.aliquots.aliquot.vo
80 NA's
1 178

patient.samples.sample.4.portions.portion.analytes.analyte.2.aliquots.aliquot.ye
2014 NA's

1 178

patient.samples.sample.4.portions.portion.analytes.analyte.2.analyte_type:
repli-g (qiagen) dna NA's
1 178

patient.samples.sample.4.portions.portion.analytes.analyte.2.analyte_type_id:
w NA's
1 178

patient.samples.sample.4.portions.portion.analytes.analyte.2.bcr_analyte_barcode:
tcga-sr-a6mx-10a-01w NA's
1 178

patient.samples.sample.4.portions.portion.analytes.analyte.2.bcr_analyte_uuid:
e0fd7df3-f717-41f5-b837-523641cdb362 NA's
1 178

patient.samples.sample.4.portions.portion.analytes.analyte.2.dna.normal_tumor_ge
yes NA's
1 178

patient.samples.sample.4.portions.portion.analytes.analyte.2.dna.pcr_amplificati
yes NA's
1 178

patient.samples.sample.4.portions.portion.analytes.analyte.2.gel_image_file:
<https://sharedoc.nchri.org/tcga-bcr/default.aspx>
1
NA's
178

patient.samples.sample.4.portions.portion.analytes.analyte.2.is_derived_from_ffp
no NA's
1 178

patient.samples.sample.4.portions.portion.analytes.analyte.2.protocols.protocol.
repli-g NA's
1 178

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.2.bo
tcga-sr-a6mx-10a-01d-a35g-08 NA's
1 178

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.2.bo
99e20de7-1106-4a42-a936-dfcc7017ed47 NA's
1 178

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.2.bi
160337932 NA's
1 178

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.2.ce
 8 NA's
 1 178

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.2.co
 0.08 NA's
 1 178

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.2.da
 6 NA's
 1 178

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.2.is
 no NA's
 1 178

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.2.mo
 1 NA's
 1 178

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.2.pl
 5 NA's
 1 178

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.2.pl
 a35g NA's
 1 178

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.2.pl
 b NA's
 1 178

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.2.qu
 3.2 NA's
 1 178

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.2.so
 23 NA's
 1 178

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.2.vo
 40 NA's
 1 178

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.2.ye
 2014 NA's
 1 178

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.bcr_
 tcga-sr-a6mx-10a-01d-a35f-01 NA's
 1 178

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.bcr_ b3291590-2d2a-4106-b06d-3b28f3d65a98 NA's
1 178

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.bios 160337644 NA's
1 178

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.cent 1 NA's
1 178

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.conc 0.15 NA's
1 178

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.day_ 6 NA's
1 178

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.is_d no NA's
1 178

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.mont 1 NA's
1 178

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.plat 5 NA's
1 178

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.plat a35f NA's
1 178

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.plat b NA's
1 178

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.quan 1.01 NA's
1 178

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.sour 23 NA's
1 178

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.vol 6.7 NA's
1 178

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.year
 2014 NA's
 1 178

patient.samples.sample.4.portions.portion.analytes.analyte.amount:
 62.6 NA's
 1 178

patient.samples.sample.4.portions.portion.analytes.analyte.analyte_type:
 dna NA's
 1 178

patient.samples.sample.4.portions.portion.analytes.analyte.analyte_type_id:
 d NA's
 1 178

patient.samples.sample.4.portions.portion.analytes.analyte.bcr_analyte_barcode:
 tcga-sr-a6mx-10a-01d NA's
 1 178

patient.samples.sample.4.portions.portion.analytes.analyte.bcr_analyte_uuid:
 e45b4db6-267a-41fe-9f04-5f15ccf13d84 NA's
 1 178

patient.samples.sample.4.portions.portion.analytes.analyte.concentration:
 0.15 NA's
 1 178

patient.samples.sample.4.portions.portion.analytes.analyte.dna.normal_tumor_genome:
 yes NA's
 1 178

patient.samples.sample.4.portions.portion.analytes.analyte.dna.pcr_amplification:
 yes NA's
 1 178

patient.samples.sample.4.portions.portion.analytes.analyte.gel_image_file:
 https://sharedoc.nchri.org/tcga-bcr/default.aspx
 1
 NA's
 178

patient.samples.sample.4.portions.portion.analytes.analyte.is_derived_from_ffpe:
 no NA's
 1 178

patient.samples.sample.4.portions.portion.analytes.analyte.protocols.protocol.ex
 adna preparation type NA's
 1 178

patient.samples.sample.4.portions.portion.analytes.analyte.spectrophotometer_met
 picogreen NA's

1 178

patient.samples.sample.4.portions.portion.bcr_portion_barcode:
 tcga-sr-a6mx-10a-01 NA's
 1 178

patient.samples.sample.4.portions.portion.bcr_portion_uuid:
 91a5bcba-c3c1-4709-8cc4-507c58cd371c NA's
 1 178

patient.samples.sample.4.portions.portion.day_of_creation:
 15 NA's
 1 178

patient.samples.sample.4.portions.portion.is_ffpe:
 no NA's
 1 178

patient.samples.sample.4.portions.portion.month_of_creation:
 7 NA's
 1 178

patient.samples.sample.4.portions.portion.portion_number:
 1 NA's
 1 178

patient.samples.sample.4.portions.portion.portion_sequence:
 1 NA's
 1 178

patient.samples.sample.4.portions.portion.weight:
 2 NA's
 1 178

patient.samples.sample.4.portions.portion.year_of_creation:
 2013 NA's
 1 178

patient.samples.sample.4.sample_type:
 blood derived normal NA's
 1 178

patient.samples.sample.4.sample_type_id:
 10 NA's
 1 178

patient.samples.sample.4.vial_number:
 a NA's
 1 178

patient.samples.sample.days_to_collection:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.
26.0	308.5	726.0	1125.2	1517.0	9332.0

patient.samples.sample.diagnostic_slides.ffpe_slide_uuid.3:

6f1f7dce-b986-47eb-93f1-2c005c7d8f2b

NA's

1

178

patient.samples.sample.initial_weight:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.
10.0	50.0	80.0	139.7	160.0	980.0

patient.samples.sample.is_ffpe:

no

179

patient.samples.sample.oct_embedded:

false true

53 126

patient.samples.sample.portions.portion.analytes.analyte.2.a260_a280_ratio:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.
1.730	1.830	1.870	1.871	1.910	2.260

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.2.bi

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.
160338214	160339344	160339391	160339386	160339440	160339487

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.2.ce

13

179

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.2.co

0.15 0.16 0.17 0.18

10 49 67 53

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.2.da

18

179

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.2.is

no

179

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.2.mo

12

179

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.2.pl

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.
1.000	4.000	7.000	6.464	9.000	12.000

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.2.pl

a35m a35n

89 90

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.2.qu

3	3.2	3.4	3.6
10	49	67	53

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.2.so

23

179

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.2.vo

20

179

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.2.ye

2013

179

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.bios

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.
160336803	160337994	160338045	160338322	160338770	160338815

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.cent

7

179

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.conc

0.15	0.16	0.17	0.18
10	49	67	53

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.day_

18

179

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.is_d

no

179

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.mont

12

179

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.plat
 Min. 1st Qu. Median Mean 3rd Qu. Max.
 1.000 4.000 7.000 6.464 9.000 12.000

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.plat
 a35k a35l
 89 90

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.quant
 1.95 2.08 2.21 2.34
 10 49 67 53

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.sour
 23
 179

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.vol
 13
 179

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.year
 2013
 179

patient.samples.sample.portions.portion.analytes.analyte.2.amount:
 Min. 1st Qu. Median Mean 3rd Qu. Max.
 7.49 22.59 31.00 30.89 39.08 66.30

patient.samples.sample.portions.portion.analytes.analyte.2.analyte_type:
 rna
 179

patient.samples.sample.portions.portion.analytes.analyte.2.analyte_type_id:
 r
 179

patient.samples.sample.portions.portion.analytes.analyte.2.concentration:
 0.15 0.16 0.17 0.18
 10 49 67 53

patient.samples.sample.portions.portion.analytes.analyte.2.gel_image_file:
<https://sharedoc.nchri.org/tcga-bcr/default.aspx>
 179

patient.samples.sample.portions.portion.analytes.analyte.2.is_derived_from_ffpe:
 no
 179

patient.samples.sample.portions.portion.analytes.analyte.2.protocols.protocol.ex
 allprep rna extraction mirvana (allprep dna) rna
 1 178

patient.samples.sample.portions.portion.analytes.analyte.2.rna.ratio_28s_18s:
 Min. 1st Qu. Median Mean 3rd Qu. Max.
 0.360 1.085 1.250 1.241 1.450 2.270

patient.samples.sample.portions.portion.analytes.analyte.2.rna.rinvalue:
 Min. 1st Qu. Median Mean 3rd Qu. Max.
 7.000 7.600 8.200 8.155 8.700 9.500

patient.samples.sample.portions.portion.analytes.analyte.2.spectrophotometer_met
 uv spec
 179

patient.samples.sample.portions.portion.analytes.analyte.2.subportion_sequence:
 1 2 3 NA's
 153 22 1 3

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.bios
 Min. 1st Qu. Median Mean 3rd Qu. Max.
 167789705 167802286 167802334 167802597 167803344 167803391

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.cent
 8
 179

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.conc
 0.5
 179

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.day_
 8
 179

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.is_d
 no
 179

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.mont
 7
 179

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.plat
 Min. 1st Qu. Median Mean 3rd Qu. Max.
 1.000 3.000 6.000 6.101 9.000 12.000

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.plat
 a43z a440

90 89

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.quantity
40

179

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.source
23

179

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.volume
80

179

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.year
2014

179

patient.samples.sample.portions.portion.analytes.analyte.3.analyte_type:
repli-g (qiagen) dna

179

patient.samples.sample.portions.portion.analytes.analyte.3.analyte_type_id:
w

179

patient.samples.sample.portions.portion.analytes.analyte.3.dna.normal_tumor_genome
yes

179

patient.samples.sample.portions.portion.analytes.analyte.3.dna.pcr_amplification
yes

179

patient.samples.sample.portions.portion.analytes.analyte.3.gel_image_file:
<https://sharedoc.nchri.org/tcga-bcr/default.aspx>

179

patient.samples.sample.portions.portion.analytes.analyte.3.is_derived_from_ffpe:
no

179

patient.samples.sample.portions.portion.analytes.analyte.3.protocols.protocol.expression
repli-g

179

patient.samples.sample.portions.portion.analytes.analyte.3.subportion_sequence:

1	2	3	NA's
153	22	1	3

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.2.bios
Min. 1st Qu. Median Mean 3rd Qu. Max.
160338153 160338952 160339000 160339180 160339532 160339583

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.2.cent
8
179

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.2.conc
0.07 0.08 0.09
66 104 9

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.2.day_
6
179

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.2.is_d
no
179

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.2.mont
1
179

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.2.plat
Min. 1st Qu. Median Mean 3rd Qu. Max.
1.000 3.000 6.000 6.101 9.000 12.000

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.2.plat
a35d a35i
90 89

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.2.quan
2.8 3.2 3.6
66 104 9

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.2.sour
23
179

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.2.vol
40
179

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.2.year
2014
179

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.3.bios
Min. 1st Qu. Median Mean 3rd Qu. Max.
160336844 160338468 160338517 160338405 160338568 160338623

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.3.cent
5
179

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.3.conc
0.14 0.15 0.16 0.17
29 73 54 23

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.3.day_
18
179

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.3.is_d
no
179

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.3.mont
12
179

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.3.plat
Min. 1st Qu. Median Mean 3rd Qu. Max.
1.000 3.000 6.000 6.101 9.000 12.000

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.3.plat
a35e a35j
90 89

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.3.quan
1.82 1.95 2.08 2.21
29 73 54 23

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.3.sour
23
179

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.3.vol
13
179

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.3.year
2013
179

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.biospe
 Min. 1st Qu. Median Mean 3rd Qu. Max.
 160336860 160337706 160338177 160338336 160339056 160339103

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.center
 1
 179

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.concen
 0.14 0.15 0.16 0.17
 29 73 54 23

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.day_of
 6
 179

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.is_der
 no
 179

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.month_
 1
 179

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.plate_
 Min. 1st Qu. Median Mean 3rd Qu. Max.
 1.000 3.000 6.000 6.101 9.000 12.000

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.plate_
 a35c a35h
 90 89

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.quantit
 0.94 1.01 1.07 1.14
 29 73 54 23

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.source
 23
 179

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.volume
 6.7
 179

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.year_o
 2014
 179

patient.samples.sample.portions.portion.analytes.analyte.amount:
 Min. 1st Qu. Median Mean 3rd Qu. Max.

7.30 14.59 22.67 24.35 31.57 74.58

patient.samples.sample.portions.portion.analytes.analyte.analyte_type:
dna
179

patient.samples.sample.portions.portion.analytes.analyte.analyte_type_id:
d
179

patient.samples.sample.portions.portion.analytes.analyte.concentration:
0.14 0.15 0.16 0.17
29 73 54 23

patient.samples.sample.portions.portion.analytes.analyte.dna.normal_tumor_genoty
yes
179

patient.samples.sample.portions.portion.analytes.analyte.dna.pcr_amplification_s
yes
179

patient.samples.sample.portions.portion.analytes.analyte.gel_image_file:
<https://sharedoc.nchri.org/tcga-bcr/default.aspx>
179

patient.samples.sample.portions.portion.analytes.analyte.is_derived_from_ffpe:
no
179

patient.samples.sample.portions.portion.analytes.analyte.protocols.protocol.expe
adna preparation type
179

patient.samples.sample.portions.portion.analytes.analyte.spectrophotometer_metho
picogreen
179

patient.samples.sample.portions.portion.analytes.analyte.subportion_sequence:
1 2 3 NA's
153 22 1 3

patient.samples.sample.portions.portion.day_of_creation:
Min. 1st Qu. Median Mean 3rd Qu. Max.
2.00 8.00 12.00 13.48 19.50 30.00

patient.samples.sample.portions.portion.is_ffpe:
no

179

patient.samples.sample.portions.portion.month_of_creation:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.
2.000	6.000	8.000	7.732	10.000	12.000

patient.samples.sample.portions.portion.portion_number:

11	12	13	21
153	22	1	3

patient.samples.sample.portions.portion.portion_sequence:

1	2	NA's
175	3	1

patient.samples.sample.portions.portion.slides.slide.is_derived_from_ffpe:

no
179

patient.samples.sample.portions.portion.slides.slide.percent_lymphocyte_infiltrati

0	1	2	3	40
88	56	12	5	18

patient.samples.sample.portions.portion.slides.slide.percent_monocyte_infiltrati

0	1	2	20
145	15	1	18

patient.samples.sample.portions.portion.slides.slide.percent_necrosis:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.
0.000	0.000	0.000	1.011	0.000	20.000

patient.samples.sample.portions.portion.slides.slide.percent_neutrophil_infiltra

0	1	2	20
150	10	1	18

patient.samples.sample.portions.portion.slides.slide.percent_normal_cells:

0	5	10	15	40
171	4	2	1	1

patient.samples.sample.portions.portion.slides.slide.percent_stromal_cells:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.
0.000	0.000	5.000	7.598	11.000	40.000

patient.samples.sample.portions.portion.slides.slide.percent_tumor_cells:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.
50.00	84.50	95.00	90.86	100.00	100.00

patient.samples.sample.portions.portion.slides.slide.percent_tumor_nuclei:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.
60.00	80.00	80.00	86.18	95.00	100.00

```
patient.samples.sample.portions.portion.slides.slide.section_location:  
top  
179
```

```
patient.samples.sample.portions.portion.weight:  
10 20 30  
10 20 149
```

```
patient.samples.sample.portions.portion.year_of_creation:  
2013  
179
```

```
patient.samples.sample.portions.shipment_portion.center_id:  
20 NA's  
79 100
```

```
patient.samples.sample.portions.shipment_portion.is_ffpe:  
no NA's  
79 100
```

```
patient.samples.sample.portions.shipment_portion.plate_id:  
a43b a43c NA's  
78 1 100
```

```
patient.samples.sample.portions.shipment_portion.portion_number:  
11 21 22 NA's  
1 77 1 100
```

```
patient.samples.sample.portions.shipment_portion.portion_sequence:  
1 2 NA's  
1 77 101
```

```
patient.samples.sample.portions.shipment_portion.shipment_portion_day_of_shipment:  
10 NA's  
79 100
```

```
patient.samples.sample.portions.shipment_portion.shipment_portion_month_of_shipment:  
6 NA's  
79 100
```

```
patient.samples.sample.portions.shipment_portion.shipment_portion_year_of_shipment:  
2014 NA's  
79 100
```

```
patient.samples.sample.sample_type:  
primary tumor  
179
```

```
patient.samples.sample.sample_type_id:
```

```

1
179

patient.samples.sample.vial_number:
  a  b
176 3

```

PRAD

Prostate adenocarcinoma

Description

A document describing the TCGA cancer code

Details

```

> experiments( PRAD )
ExperimentList class object of length 10:
 [1] CNASeq-20160128: RaggedExperiment with 23398 rows and 230 columns
 [2] CNASNP-20160128: RaggedExperiment with 573776 rows and 1029 columns
 [3] CNVSNP-20160128: RaggedExperiment with 117345 rows and 1023 columns
 [4] GISTIC_AllByGene-20160128: SummarizedExperiment with 24776 rows and 492 columns
 [5] GISTIC_ThresholdedByGene-20160128: SummarizedExperiment with 24776 rows and 492 columns
 [6] Methylation-20160128: SummarizedExperiment with 485577 rows and 549 columns
 [7] miRNASeqGene-20160128: SummarizedExperiment with 1046 rows and 547 columns
 [8] Mutation-20160128: RaggedExperiment with 12348 rows and 332 columns
 [9] RNASeq2GeneNorm-20160128: SummarizedExperiment with 20501 rows and 550 columns
 [10] RPPAArray-20160128: SummarizedExperiment with 195 rows and 352 columns

> rownames( PRAD )
CharacterList of length 10
[["CNASeq-20160128"]] character(0)
[["CNASNP-20160128"]] character(0)
[["CNVSNP-20160128"]] character(0)
[["GISTIC_AllByGene-20160128"]] ACAP3 ACTRT2 ... WASIR1|ENSG00000185203.7
[["GISTIC_ThresholdedByGene-20160128"]] ACAP3 ... WASIR1|ENSG00000185203.7
[["Methylation-20160128"]] cg00000029 cg00000108 ... rs966367 rs9839873
[["miRNASeqGene-20160128"]] hsa-let-7a-1 hsa-let-7a-2 ... hsa-mir-99b
[["Mutation-20160128"]] character(0)
[["RNASeq2GeneNorm-20160128"]] A1BG A1CF A2BP1 A2LD1 ... ZZZ3 psiTPTE22 tAKR
[["RPPAArray-20160128"]] 14-3-3_beta 14-3-3_epsilon ... p90RSK_pT359_S363

> colnames( PRAD )
CharacterList of length 10
[["CNASeq-20160128"]] TCGA-CH-5741-01A-11D-1572-02 ...
[["CNASNP-20160128"]] TCGA-2A-A8VL-01A-21D-A376-01 ...
[["CNVSNP-20160128"]] TCGA-2A-A8VL-01A-21D-A376-01 ...
[["GISTIC_AllByGene-20160128"]] TCGA-2A-A8VL-01A-21D-A376-01 ...
[["GISTIC_ThresholdedByGene-20160128"]] TCGA-2A-A8VL-01A-21D-A376-01 ...
[["Methylation-20160128"]] TCGA-2A-A8VL-01A-21D-A378-05 ...

```

```

[["miRNASeqGene-20160128"]] TCGA-2A-A8VL-01A-21R-A37H-13 ...
[["Mutation-20160128"]] TCGA-2A-A8VL-01A-21D-A377-08 ...
[["RNASeq2GeneNorm-20160128"]] TCGA-2A-A8VL-01A-21R-A37L-07 ...
[["RPPAArray-20160128"]] TCGA-2A-A8VL-01A-11-A43M-20 ...

```

Sizes of each ExperimentList element:

	assay	size.Mb
1	CNASeq-20160128	0.7 Mb
2	CNASNP-20160128	15.6 Mb
3	CNVSNP-20160128	3.4 Mb
4	GISTIC_AllByGene-20160128	4.4 Mb
5	GISTIC_ThresholdedByGene-20160128	4.4 Mb
6	Methylation-20160128	67.5 Mb
7	miRNASeqGene-20160128	0.1 Mb
8	Mutation-20160128	20.2 Mb
9	RNASeq2GeneNorm-20160128	1.2 Mb
10	RPPAArray-20160128	0 Mb

Overall survival time-to-event summary (in years):

Call: survfit(formula = survival::Surv(colDat\$days_to_death/365, colDat\$vital_status - 1)

```

488 observations deleted due to missingness
      n events median 0.95LCL 0.95UCL
10.00  10.00   3.02   1.99      NA

```

Available sample meta-data:

```

years_to_birth:
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.   NA's
 41.00  56.00   61.00   61.02  66.00   78.00    11

```

```

vital_status:
  0  1
488 10

```

```

days_to_death:
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.   NA's
 146.0  743.8 1102.0 1579.0 2315.5 3502.0   488

```

```

days_to_last_followup:
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.   NA's
  23.0  523.5  926.0 1076.5 1458.0 5024.0    10

```


tumor_tissue_site:
prostate
498

pathology_N_stage:
n0 n1 NA's
346 79 73

gender:
male
498

date_of_initial_pathologic_diagnosis:
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
2000 2009 2011 2010 2012 2013 31

radiation_therapy:
no yes NA's
395 59 44

histological_type:
prostate adenocarcinoma acinar type prostate adenocarcinoma, other subtype
483 15

residual_tumor:
r0 r1 r2 rx NA's
316 147 5 15 15

number_of_lymph_nodes:
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
0.0000 0.0000 0.0000 0.4447 0.0000 15.0000 91

gleason_score:
6 7 8 9 10
45 248 64 137 4

psa_value:
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
0.000 0.030 0.100 1.742 0.110 323.000 57

days_to_psa:
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
-164.0 191.0 512.0 685.6 926.0 3447.0 53

race:
asian black or african american white
2 7 147
NA's
342

ethnicity:

```

not hispanic or latino                NA's
                                152          346

admin.bcr:
nationwide children's hospital
                                498

admin.day_of_dcc_upload:
  1
498

admin.disease_code:
prad
  498

admin.month_of_dcc_upload:
  10
498

admin.patient_withdrawal.withdrawn:
false
  498

admin.project_code:
tcga
  498

admin.year_of_dcc_upload:
2015
  498

patient.age_at_initial_pathologic_diagnosis:
  Min. 1st Qu.  Median    Mean 3rd Qu.  Max.
  41.00  56.00   61.00   61.01  66.00   78.00

patient.biochemical_recurrence:
  no  yes NA's
  372  58   68

patient.bone_scan_results:
  abnormal (not related to prostate cancer)
                                          24
  equivocal
                                          8
normal (no evidence of prostate cancer) [cm0]
                                          215
  prostate cancer metastases present [cm1b]
                                          1
                                          NA's
                                          250

```

patient.clinical_cqcf.consent_or_death_status:
 consented
 498

patient.clinical_cqcf.days_to_consent:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 -142.00 30.00 53.00 98.25 90.00 2364.00 31

patient.clinical_cqcf.days_to_preop_psa:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 -1365.000 -39.500 0.000 4.279 31.000 1232.000 39

patient.clinical_cqcf.ethnicity:
 hispanic or latino not hispanic or latino NA's
 7 382 109

patient.clinical_cqcf.frozen_specimen_anatomic_site:
 prostate
 498

patient.clinical_cqcf.gleason_score_combined:
 6 7 8 9 10
 50 247 73 115 13

patient.clinical_cqcf.gleason_score_primary:
 2 3 4 5
 1 206 227 64

patient.clinical_cqcf.gleason_score_secondary:
 3 4 5
 152 256 90

patient.clinical_cqcf.histological_type:
 prostate adenocarcinoma other subtype prostate adenocarcinoma acinar type
 15 483

patient.clinical_cqcf.history_of_neoadjuvant_treatment:
 no
 496
 yes, pharmaceutical treatment prior to resection
 2

patient.clinical_cqcf.history_of_prior_malignancy:
 no
 468
 yes, history of prior malignancy
 27
 yes, history of synchronous and or bilateral malignancy
 3

```

patient.clinical_cqcf.normal_tissue_anatomic_site:
      other seminal vesicle      NA's
      126                53      319

patient.clinical_cqcf.other_anatomic_site_normal_tissue:
      blood prostate      NA's
      4                75      419

patient.clinical_cqcf.psa_result_preop:
      Min. 1st Qu.  Median    Mean 3rd Qu.    Max.    NA's
      0.70   5.10   7.50   10.98  11.35  107.00    3

patient.clinical_cqcf.race:
american indian or alaska native      asian
      1                                12
      black or african american      white
      58                              409
      NA's
      18

patient.clinical_cqcf.tumor_type:
primary
      498

patient.day_of_form_completion:
      Min. 1st Qu.  Median    Mean 3rd Qu.    Max.
      1.00   10.00   16.00   16.46  23.00   31.00

patient.days_to_birth:
      Min. 1st Qu.  Median    Mean 3rd Qu.    Max.    NA's
      -28721 -24288 -22626 -22482 -20746 -15330    11

patient.days_to_bone_scan_performed:
      Min. 1st Qu.  Median    Mean 3rd Qu.    Max.    NA's
      -1060.00  10.00  19.50  34.19  34.75  1102.00    256

patient.days_to_death:
      Min. 1st Qu.  Median    Mean 3rd Qu.    Max.    NA's
      146    703    833    1227  1460    3467    490

patient.days_to_diagnostic_computed_tomography_performed:
      Min. 1st Qu.  Median    Mean 3rd Qu.    Max.    NA's
      -1062.00  11.00  21.00  35.39  36.75  1102.00    296

patient.days_to_diagnostic_mri_performed:
      Min. 1st Qu.  Median    Mean 3rd Qu.    Max.    NA's
      -121.00  7.50  41.00  72.45  82.50  805.00    415

patient.days_to_first_biochemical_recurrence:
      Min. 1st Qu.  Median    Mean 3rd Qu.    Max.    NA's
      51.0  153.5  341.0  549.3  936.0  1925.0    428

```

```

patient.days_to_initial_pathologic_diagnosis:
  0 NA's
  467  31

patient.days_to_last_followup:
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.    NA's
  1.0  170.0   506.5   700.8  998.0  4604.0    8

patient.diagnostic_ct_abd_pelvis_performed:
  no  yes NA's
  186 206 106

patient.diagnostic_mri_performed:
  no  yes NA's
  297  86 115

patient.diagnostic_mri_results.diagnostic_mri_result:
  distant metastasis [e.g. cm1]
  1
  equivocal
  4
  extraprostatic extension localized (e.g. seminal vesicles)
  23
  no evidence of extraprostatic extension
  54
  NA's
  416

patient.diagnostic_mri_results.diagnostic_mri_result.2:
  equivocal
  1
  extraprostatic extension (regional lymphadenopathy) [e.g. cn1]
  3
  NA's
  494

patient.drugs.drug.2.clinical_trail_drug_classification:
  n/a NA's
  2  496

patient.drugs.drug.2.day_of_form_completion:
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.    NA's
  2.00  13.00   20.00   18.71  25.00   30.00    463

patient.drugs.drug.2.days_to_drug_therapy_end:
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.    NA's
  126    658    837    1160   1494   3467    479

patient.drugs.drug.2.days_to_drug_therapy_start:

```

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
74.0	207.0	359.0	719.6	1191.0	2453.0	463

patient.drugs.drug.2.measure_of_response:

clinical progressive disease	complete response
2	12
partial response	stable disease
4	2
NA's	
478	

patient.drugs.drug.2.month_of_form_completion:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
2.000	3.500	4.000	6.057	8.500	12.000	463

patient.drugs.drug.2.prescribed_dose:

50 NA's
1 497

patient.drugs.drug.2.prescribed_dose_units:

mg NA's
1 497

patient.drugs.drug.2.regimen_indication:

recurrence	NA's
1	497

patient.drugs.drug.2.regimen_number:

0 NA's
1 497

patient.drugs.drug.2.route_of_administrations.route_of_administration:

subcutaneous (sc)	NA's
1	497

patient.drugs.drug.2.therapy_ongoing:

no	yes	NA's
20	15	463

patient.drugs.drug.2.therapy_types.therapy_type:

chemotherapy	hormone therapy	NA's
1	34	463

patient.drugs.drug.2.tx_on_clinical_trial:

no	yes	NA's
29	5	464

patient.drugs.drug.2.year_of_form_completion:

2012	2013	2014	2015	NA's
3	1	28	3	463

patient.drugs.drug.3.clinical_trial_drug_classification:
 n/a NA's
 1 497

patient.drugs.drug.3.day_of_form_completion:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 2.00 10.75 19.00 16.93 22.75 30.00 484

patient.drugs.drug.3.days_to_drug_therapy_end:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 605.0 791.2 1484.5 1644.6 2241.2 3467.0 490

patient.drugs.drug.3.days_to_drug_therapy_start:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 245 591 1183 1251 1897 2511 485

patient.drugs.drug.3.measure_of_response:
 clinical progressive disease complete response
 2 2
 partial response NA's
 3 491

patient.drugs.drug.3.month_of_form_completion:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 2.000 4.250 7.000 6.786 8.750 12.000 484

patient.drugs.drug.3.regimen_indication:
 recurrence NA's
 1 497

patient.drugs.drug.3.regimen_number:
 1 NA's
 1 497

patient.drugs.drug.3.route_of_administrations.route_of_administration:
 oral NA's
 1 497

patient.drugs.drug.3.therapy_ongoing:
 no yes NA's
 9 5 484

patient.drugs.drug.3.therapy_types.therapy_type:
 ancillary chemotherapy hormone therapy NA's
 1 2 11 484

patient.drugs.drug.3.tx_on_clinical_trial:
 no yes NA's
 12 1 485

patient.drugs.drug.3.year_of_form_completion:

2012	2013	2014	2015	NA's
2	1	10	1	484

patient.drugs.drug.4.day_of_form_completion:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
3.00	14.50	22.00	18.86	24.00	30.00	491

patient.drugs.drug.4.days_to_drug_therapy_end:

727	2170	2738	NA's
1	1	1	495

patient.drugs.drug.4.days_to_drug_therapy_start:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
727	1660	1852	1849	2360	2535	492

patient.drugs.drug.4.measure_of_response:

clinical progressive disease	partial response
2	1
NA's	
495	

patient.drugs.drug.4.month_of_form_completion:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
2.000	3.000	4.000	5.286	7.000	11.000	491

patient.drugs.drug.4.regimen_indication:

recurrence	NA's
1	497

patient.drugs.drug.4.regimen_number:

1	NA's
1	497

patient.drugs.drug.4.route_of_administrations.route_of_administration:

intramuscular (im)	NA's
1	497

patient.drugs.drug.4.therapy_ongoing:

no	yes	NA's
4	3	491

patient.drugs.drug.4.therapy_types.therapy_type:

chemotherapy	hormone therapy	NA's
2	5	491

patient.drugs.drug.4.tx_on_clinical_trial:

no	yes	NA's
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5 1 492

patient.drugs.drug.4.year_of_form_completion:

2012 2014 2015 NA's

1 5 1 491

patient.drugs.drug.5.bcr_drug_barcode:

tcga-kk-a8ii-d62416 NA's

1 497

patient.drugs.drug.5.bcr_drug_uuid:

a00ac439-51f5-40a7-9590-7af6b71ff39c

1

NA's

497

patient.drugs.drug.5.day_of_form_completion:

25 NA's

1 497

patient.drugs.drug.5.days_to_drug_therapy_end:

2892 NA's

1 497

patient.drugs.drug.5.days_to_drug_therapy_start:

2780 NA's

1 497

patient.drugs.drug.5.drug_name:

jevtana NA's

1 497

patient.drugs.drug.5.measure_of_response:

clinical progressive disease

1

NA's

497

patient.drugs.drug.5.month_of_form_completion:

8 NA's

1 497

patient.drugs.drug.5.therapy_ongoing:

no NA's

1 497

patient.drugs.drug.5.therapy_types.therapy_type:

chemotherapy NA's

1 497

patient.drugs.drug.5.tx_on_clinical_trial:

no NA's

1 497

patient.drugs.drug.5.year_of_form_completion:

2014 NA's

1 497

patient.drugs.drug.clinical_trail_drug_classification:
 hormonal treatment n/a NA's
 1 3 494

patient.drugs.drug.day_of_form_completion:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 2.00 13.00 18.00 18.26 25.00 31.00 425

patient.drugs.drug.days_to_drug_therapy_end:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 143.0 296.8 422.0 680.8 913.5 1984.0 468

patient.drugs.drug.days_to_drug_therapy_start:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 15.0 118.0 207.0 444.8 481.0 2540.0 425

patient.drugs.drug.measure_of_response:
 clinical progressive disease complete response
 3 21
 partial response stable disease
 3 4
 NA's
 467

patient.drugs.drug.month_of_form_completion:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 1.000 3.000 6.000 5.973 8.000 12.000 425

patient.drugs.drug.number_cycles:
 13 NA's
 1 497

patient.drugs.drug.prescribed_dose:
 22.5 400 NA's
 1 1 496

patient.drugs.drug.prescribed_dose_units:
 mg NA's
 2 496

patient.drugs.drug.regimen_indication:
 recurrence NA's
 2 496

patient.drugs.drug.regimen_number:
 1 3 NA's
 1 1 496

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patient.drugs.drug.route_of_administrations.route_of_administration:
intramuscular (im)          oral          NA's
      1              1              496

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patient.drugs.drug.therapy_ongoing:
no  yes NA's
30  42  426

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patient.drugs.drug.therapy_types.therapy_type:
chemotherapy hormone therapy  NA's
      2              71              425

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patient.drugs.drug.tx_on_clinical_trial:
no  yes NA's
65  6  427

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patient.drugs.drug.year_of_form_completion:
2012 2013 2014 2015 NA's
   7   4   50   12  425

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patient.ethnicity:
not hispanic or latino          NA's
      152              346

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patient.follow_ups.follow_up.2.additional_pharmaceutical_therapy:
no  yes NA's
 6   4  488

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patient.follow_ups.follow_up.2.additional_radiation_therapy:
no  yes NA's
 8   2  488

```

```

patient.follow_ups.follow_up.2.day_of_form_completion:
Min. 1st Qu.  Median    Mean 3rd Qu.  Max.  NA's
1.00   6.00   21.50   18.87  31.00   31.00  428

```

```

patient.follow_ups.follow_up.2.days_to_first_biochemical_recurrence:
Min. 1st Qu.  Median    Mean 3rd Qu.  Max.  NA's
308   547   1009   1004   1256   2104  491

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```

patient.follow_ups.follow_up.2.days_to_last_followup:
Min. 1st Qu.  Median    Mean 3rd Qu.  Max.  NA's
405   1155   1476   1589   1963   3323  430

```

```

patient.follow_ups.follow_up.2.days_to_new_tumor_event_after_initial_treatment:
Min. 1st Qu.  Median    Mean 3rd Qu.  Max.  NA's
329.0  974.2  1038.5  1258.3  1753.0  2505.0  488

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```

patient.follow_ups.follow_up.2.days_to_second_biochemical_recurrence:

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1445 1523 1687 NA's
  1    1    1  495

patient.follow_ups.follow_up.2.followup_case_report_form_submission_reason:
  additional new tumor event scheduled follow-up submission
                                     2                               68
                                     NA's
                                     428

patient.follow_ups.follow_up.2.followup_treatment_success:
complete remission/response  partial remission/response
                               54                               1
      progressive disease                stable disease
                               9                               2
                               NA's
                               432

patient.follow_ups.follow_up.2.lost_follow_up:
  no  yes NA's
  65   3  430

patient.follow_ups.follow_up.2.month_of_form_completion:
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.  NA's
  2.000  3.000  4.000  5.271  6.000  12.000  428

patient.follow_ups.follow_up.2.new_neoplasm_event_occurrence_anatomic_site:
bone NA's
  3  495

patient.follow_ups.follow_up.2.new_neoplasm_event_type:
biochemical evidence of disease                distant metastasis
                                               6                               2
      new primary tumor                               NA's
                                               3                               487

patient.follow_ups.follow_up.2.new_tumor_event_after_initial_treatment:
  no  yes NA's
  54  11  433

patient.follow_ups.follow_up.2.person_neoplasm_cancer_status:
tumor free with tumor    NA's
      53          12    433

patient.follow_ups.follow_up.2.primary_therapy_outcome_success:
complete remission/response                progressive disease
                               53                               6
      stable disease                               NA's
                               5                               434

patient.follow_ups.follow_up.2.radiation_therapy:
  no  yes NA's
  59   3  436

```

patient.follow_ups.follow_up.2.targeted_molecular_therapy:
 no yes NA's
 58 4 436

patient.follow_ups.follow_up.2.tumor_progression_post_ht:
 yes NA's
 3 495

patient.follow_ups.follow_up.2.type_ofprogression_of_disease_ht:
 biochemical recurrence distant metastasis NA's
 1 2 495

patient.follow_ups.follow_up.2.vital_status:
 alive NA's
 67 431

patient.follow_ups.follow_up.2.year_of_form_completion:
 2012 2013 2014 2015 NA's
 2 5 31 32 428

patient.follow_ups.follow_up.additional_pharmaceutical_therapy:
 no yes NA's
 39 25 434

patient.follow_ups.follow_up.additional_radiation_therapy:
 no yes NA's
 41 24 433

patient.follow_ups.follow_up.day_of_form_completion:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 1.00 9.00 15.00 15.83 24.00 31.00 62

patient.follow_ups.follow_up.days_to_death:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 146.0 775.2 1592.0 1785.9 2718.5 3502.0 490

patient.follow_ups.follow_up.days_to_first_biochemical_recurrence:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 58.0 292.0 626.0 726.7 1009.0 2310.0 437

patient.follow_ups.follow_up.days_to_last_followup:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 0.0 573.2 921.5 1082.9 1383.0 5024.0 72

patient.follow_ups.follow_up.days_to_new_tumor_event_after_initial_treatment:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 152.0 431.0 746.0 932.6 1378.0 2473.0 446

patient.follow_ups.follow_up.days_to_second_biochemical_recurrence:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
503	651	1445	1286	1756	2459	485

patient.follow_ups.follow_up.days_to_third_biochemical_recurrence:
 631 655 1871 2011 NA's
 1 1 1 1 494

patient.follow_ups.follow_up.followup_case_report_form_submission_reason:
 additional new tumor event scheduled follow-up submission
 15 418
 NA's
 65

patient.follow_ups.follow_up.followup_treatment_success:
 complete remission/response partial remission/response
 299 16
 progressive disease stable disease
 19 42
 NA's
 122

patient.follow_ups.follow_up.lost_follow_up:
 no yes NA's
 378 34 86

patient.follow_ups.follow_up.month_of_form_completion:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 1.000 2.000 8.000 6.537 9.000 12.000 62

patient.follow_ups.follow_up.new_neoplasm_event_occurrence_anatomic_site:
 bone lung other, specify NA's
 5 1 6 486

patient.follow_ups.follow_up.new_neoplasm_event_type:
 biochemical evidence of disease distant metastasis
 54 5
 locoregional recurrence new primary tumor
 6 5
 NA's
 428

patient.follow_ups.follow_up.new_tumor_event_after_initial_treatment:
 no yes NA's
 328 72 98

patient.follow_ups.follow_up.patient_death_reason:
 prostate cancer NA's
 3 495

patient.follow_ups.follow_up.person_neoplasm_cancer_status:
 tumor free with tumor NA's

288 54 156

patient.follow_ups.follow_up.primary_therapy_outcome_success:

complete remission/response	partial remission/response	
	309	34
progressive disease		stable disease
	29	27
	NA's	
	99	

patient.follow_ups.follow_up.radiation_therapy:

no	yes	NA's
351	56	91

patient.follow_ups.follow_up.source_of_patient_death_reason:

medical record	NA's
7	491

patient.follow_ups.follow_up.targeted_molecular_therapy:

no	yes	NA's
355	48	95

patient.follow_ups.follow_up.tumor_progression_post_ht:

no	yes	NA's
5	15	478

patient.follow_ups.follow_up.type_ofprogression_of_disease_ht:

biochemical recurrence	distant metastasis	NA's
10	6	482

patient.follow_ups.follow_up.vital_status:

alive	dead	NA's
426	8	64

patient.follow_ups.follow_up.year_of_form_completion:

2012	2013	2014	2015	NA's
27	98	219	92	62

patient.gender:

male
498

patient.histological_type:

prostate adenocarcinoma	other subtype	prostate adenocarcinoma acinar type
	15	483

patient.history_of_neoadjuvant_treatment:

	no
	496
yes, pharmaceutical treatment prior to resection	
	2

patient.icd_10:

c61	c61.9
497	1

patient.icd_o_3_site:

c61.9
498

patient.informed_consent_verified:

yes
498

patient.initial_pathologic_diagnosis_method:

core needle biopsy	transurethral resection (turbt)
478	15
NA's	
5	

patient.laterality:

bilateral	left	right	NA's
433	19	38	8

patient.lymphnodes_examined:

no	yes	NA's
74	419	5

patient.month_of_form_completion:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.
1.000	3.000	4.000	4.767	7.000	12.000

patient.new_tumor_events.new_tumor_event.additional_pharmaceutical_therapy:

no	yes	NA's
21	22	455

patient.new_tumor_events.new_tumor_event.additional_radiation_therapy:

no	yes	NA's
20	24	454

patient.new_tumor_events.new_tumor_event.days_to_new_tumor_event_after_initial_t

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
51.0	206.0	582.5	653.8	1031.5	1925.0	438

patient.new_tumor_events.new_tumor_event.new_neoplasm_event_occurrence_anatomic

bone non-regional / distant lymph nodes	
2	2
other, specify	NA's
1	493

patient.new_tumor_events.new_tumor_event.new_neoplasm_event_type:

biochemical evidence of disease	distant metastasis
58	3

locoregional recurrence	new primary tumor
4	3
NA's	
430	

patient.new_tumor_events.new_tumor_event.new_neoplasm_occurrence_anatomic_site_t
melanoma in situ of the right midback NA's
1 497

patient.new_tumor_events.new_tumor_event.tumor_progression_post_ht:
no yes NA's
38 9 451

patient.new_tumor_events.new_tumor_event.type_of_progression_after_ht:
biochemical recurrence distant metastases NA's
6 3 489

patient.new_tumor_events.new_tumor_event_after_initial_treatment:
no yes NA's
253 69 176

patient.number_of_lymphnodes_examined:
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
0.0 5.0 9.0 11.8 16.0 69.0 75

patient.number_of_lymphnodes_positive_by_he:
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
0.0000 0.0000 0.0000 0.4447 0.0000 15.0000 91

patient.patient_death_reason:
other non-malignant disease prostate cancer
1 3
NA's
494

patient.person_neoplasm_cancer_status:
tumor free with tumor NA's
318 94 86

patient.primary_therapy_outcome_success:
complete remission/response partial remission/response
165 29
progressive disease stable disease
15 22
NA's
267

patient.prior_dx:
no
469
yes

			12
	yes, history of prior malignancy		16
	yes, history of synchronous and or bilateral malignancy		1
patient.race:			
	asian black or african american		white
	2	7	147
	NA's		
	342		
patient.radiation_therapy:			
	no	yes	NA's
	249	40	209
patient.radiations.radiation.2.anatomic_treatment_site:			
	distant	recurrence	primary tumor
	1	1	496
patient.radiations.radiation.2.bcr_radiation_barcode:			
	tcga-fc-a5ob-r61440	tcga-g9-a9s0-r60771	NA's
	1	1	496
patient.radiations.radiation.2.bcr_radiation_uuid:			
	3c8c9090-3caf-48e7-b83f-82c59c72d62e	8385a296-4a40-4467-b775-f6141844b2db	
		1	1
		NA's	
		496	
patient.radiations.radiation.2.day_of_form_completion:			
	16	30	NA's
	1	1	496
patient.radiations.radiation.2.days_to_radiation_therapy_end:			
	344	687	NA's
	1	1	496
patient.radiations.radiation.2.days_to_radiation_therapy_start:			
	331	675	NA's
	1	1	496
patient.radiations.radiation.2.measure_of_response:			
	radiographic	progressive disease	NA's
		1	497
patient.radiations.radiation.2.month_of_form_completion:			
	6	NA's	
	2	496	
patient.radiations.radiation.2.numfractions:			
	10	NA's	

2 496

patient.radiations.radiation.2.radiation_dosage:

18 30 NA's

1 1 496

patient.radiations.radiation.2.radiation_treatment_ongoing:

no NA's

2 496

patient.radiations.radiation.2.radiation_type:

external NA's

2 496

patient.radiations.radiation.2.units:

gy NA's

2 496

patient.radiations.radiation.2.year_of_form_completion:

2014 NA's

2 496

patient.radiations.radiation.3.anatomic_treatment_site:

distant recurrence NA's

1 497

patient.radiations.radiation.3.bcr_radiation_barcode:

tcga-g9-a9s0-r60772 NA's

1 497

patient.radiations.radiation.3.bcr_radiation_uuid:

c42e51f2-d8ad-4681-9d01-46b69362f1e8

1

NA's

497

patient.radiations.radiation.3.day_of_form_completion:

16 NA's

1 497

patient.radiations.radiation.3.days_to_radiation_therapy_end:

730 NA's

1 497

patient.radiations.radiation.3.days_to_radiation_therapy_start:

729 NA's

1 497

patient.radiations.radiation.3.measure_of_response:

radiographic progressive disease

1

NA's

497

patient.radiations.radiation.3.month_of_form_completion:

6 NA's

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1 497

patient.radiations.radiation.3.numfractions:
2 NA's
1 497

patient.radiations.radiation.3.radiation_dosage:
600 NA's
1 497

patient.radiations.radiation.3.radiation_treatment_ongoing:
no NA's
1 497

patient.radiations.radiation.3.radiation_type:
external NA's
1 497

patient.radiations.radiation.3.units:
cgy NA's
1 497

patient.radiations.radiation.3.year_of_form_completion:
2014 NA's
1 497

patient.radiations.radiation.4.anatomic_treatment_site:
regional site NA's
1 497

patient.radiations.radiation.4.bcr_radiation_barcode:
tcga-g9-a9s0-r60773 NA's
1 497

patient.radiations.radiation.4.bcr_radiation_uuid:
a32bebf2-bc27-44d1-9be8-63de5b209c8a NA's
1 497

patient.radiations.radiation.4.day_of_form_completion:
16 NA's
1 497

patient.radiations.radiation.4.days_to_radiation_therapy_end:
238 NA's
1 497

patient.radiations.radiation.4.days_to_radiation_therapy_start:
179 NA's
1 497

patient.radiations.radiation.4.measure_of_response:
complete response NA's

```

1 497

patient.radiations.radiation.4.month_of_form_completion:

6 NA's

1 497

patient.radiations.radiation.4.numfractions:

37 NA's

1 497

patient.radiations.radiation.4.radiation_dosage:

66.6 NA's

1 497

patient.radiations.radiation.4.radiation_treatment_ongoing:

no NA's

1 497

patient.radiations.radiation.4.radiation_type:

external NA's

1 497

patient.radiations.radiation.4.units:

gy NA's

1 497

patient.radiations.radiation.4.year_of_form_completion:

2014 NA's

1 497

patient.radiations.radiation.course_number:

1 NA's

2 496

patient.radiations.radiation.day_of_form_completion:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
3.00	13.50	21.00	19.73	25.00	31.00	419

patient.radiations.radiation.days_to_radiation_therapy_end:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
147.0	256.8	383.0	580.3	771.2	2679.0	422

patient.radiations.radiation.days_to_radiation_therapy_start:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
51.0	208.0	333.0	533.5	774.0	2627.0	421

patient.radiations.radiation.measure_of_response:

complete response	partial response
40	11

radiographic progressive disease	5	stable disease	11
	NA's		
	431		

patient.radiations.radiation.month_of_form_completion:						
Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1.00	3.00	5.00	5.43	8.00	12.00	419

patient.radiations.radiation.numfractions:						
Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1.00	33.00	35.00	32.61	37.00	41.00	441

patient.radiations.radiation.radiation_dosage:						
Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
40	66	70	2143	6480	7200	436

patient.radiations.radiation.radiation_treatment_ongoing:			
no	yes	NA's	
77	2	419	

patient.radiations.radiation.radiation_type:			
external	external beam	NA's	
73	2	423	

patient.radiations.radiation.regimen_indication:		
recurrence	NA's	
2	496	

patient.radiations.radiation.units:		
cgy	gy	NA's
20	39	439

patient.radiations.radiation.year_of_form_completion:				
2012	2013	2014	2015	NA's
2	10	54	13	419

patient.residual_tumor:				
r0	r1	r2	rx	NA's
316	147	5	15	15

patient.source_of_patient_death_reason:			
death certificate	medical record		NA's
1	5		492

patient.stage_event.gleason_grading.gleason_score:				
6	7	8	9	10
45	248	64	137	4

patient.stage_event.gleason_grading.primary_pattern:				
2	3	4	5	
1	198	250	49	

```
patient.stage_event.gleason_grading.secondary_pattern:
  3  4  5
152 236 110
```

```
patient.stage_event.gleason_grading.tertiary_pattern:
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.    NA's
  0.00   3.00   3.50   3.76   5.00   5.00   344
```

```
patient.stage_event.psa.days_to_psa:
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.    NA's
-164.0  191.0  512.0  685.6  926.0 3447.0    53
```

```
patient.stage_event.psa.psa_value:
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.    NA's
  0.000  0.030  0.100  1.742  0.110 323.000    57
```

```
patient.stage_event.tnm_categories.clinical_categories.clinical_m:
  m0  m1a  m1b  m1c NA's
456   1   1   1  39
```

```
patient.stage_event.tnm_categories.pathologic_categories.pathologic_n:
  n0  n1 NA's
346  79  73
```

```
patient.targeted_molecular_therapy:
  no  yes NA's
247  43  208
```

```
patient.tissue_prospective_collection_indicator:
  no  yes NA's
259  237  2
```

```
patient.tissue_retrospective_collection_indicator:
  no  yes NA's
237  259  2
```

```
patient.tumor_levels.tumor_level:
  apex  base middle  NA's
  292   16   47   143
```

```
patient.tumor_levels.tumor_level.2:
  base middle  NA's
  72   203   223
```

```
patient.tumor_levels.tumor_level.3:
  base NA's
  166  332
```

patient.tumor_tissue_site:
 prostate
 498

patient.vital_status:
 alive dead
 490 8

patient.year_of_form_completion:
 2011 2012 2013 2014 2015
 2 179 62 237 18

patient.year_of_initial_pathologic_diagnosis:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 2000 2009 2011 2010 2012 2013 31

patient.zone_of_origin:
 central zone overlapping / multiple zones
 4 127
 peripheral zone transition zone
 138 8
 NA's
 221

patient.bcr_canonical_check.bcr_patient_canonical_reasons.bcr_canonical_reason.2
 case matched methylation control germline comparison
 35 21
 NA's
 442

patient.bcr_canonical_check.bcr_patient_canonical_reasons.bcr_canonical_reason.3
 germline comparison NA's
 29 469

patient.bcr_canonical_check.bcr_patient_canonical_status:
 canonical canonical - plus
 424 74

patient.biospecimen_cqcf.consent_or_death_status:
 consented
 498

patient.biospecimen_cqcf.days_to_pathology_review:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 3.0 174.0 504.0 773.9 1108.5 4669.0 31

patient.biospecimen_cqcf.days_to_sample_procurement:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 -13.00 43.50 62.00 88.45 94.00 1249.00 31

patient.biospecimen_cqcf.digital_image_submitted:

no yes
462 36

patient.biospecimen_cqcf.ethnicity:

hispanic or latino not hispanic or latino NA's
7 382 109

patient.biospecimen_cqcf.frozen_specimen_anatomic_site:

prostate
498

patient.biospecimen_cqcf.histological_type:

prostate adenocarcinoma other subtype prostate adenocarcinoma acinar type
15 483

patient.biospecimen_cqcf.history_of_neoadjuvant_treatment:

no
496
yes, pharmaceutical treatment prior to resection
2

patient.biospecimen_cqcf.method_of_sample_procurement:

laparoscopic radical prostatectomy w/o robotics
21
laparoscopic radical prostatectomy w/robotics
171
open radical prostatectomy
178
other
123
other (please specify)
5

patient.biospecimen_cqcf.normal_controls.normal_control.2.days_to_normal_sample_

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
-6.00	48.00	65.00	90.21	91.00	1264.00	377

patient.biospecimen_cqcf.normal_controls.normal_control.2.extracted_dna.ncedna_d

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0.0440	0.1530	0.1930	0.1853	0.2200	0.3920	466

patient.biospecimen_cqcf.normal_controls.normal_control.2.extracted_dna.ncedna_d

nanodrop	picogreen	NA's
1	31	466

patient.biospecimen_cqcf.normal_controls.normal_control.2.extracted_dna.ncedna_d

15	20	NA's
1	31	466

```

patient.biospecimen_cqcf.normal_controls.normal_control.2.extracted_dna.ncedna_d
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.   NA's
  51.0   91.0   104.0   129.9  144.0   455.0   466

patient.biospecimen_cqcf.normal_controls.normal_control.2.method_of_normal_sampl
      blood draw
      89
laparoscopic radical prostatectomy w/robotics
      11
      open radical prostatectomy
      15
      other (please specify)
      6
      NA's
      377

patient.biospecimen_cqcf.normal_controls.normal_control.2.normal_tissue.normal_t
      other seminal vesicle      NA's
      35                3                460

patient.biospecimen_cqcf.normal_controls.normal_control.2.vial_number:
  1    2 NA's
  66  59  373

patient.biospecimen_cqcf.normal_controls.normal_control.3.bcr_sample_uuid:
8f0f3239-64b0-4bc6-b869-5635fb7b8109 c2685608-9e8d-46d2-91de-cf3be34362ba
      1                1
d33eccab-ec38-4cf5-b36b-457343f33690      NA's
      1                495

patient.biospecimen_cqcf.normal_controls.normal_control.3.days_to_normal_sample_
  26  28  49 NA's
  1   1   1  495

patient.biospecimen_cqcf.normal_controls.normal_control.3.method_of_normal_sampl
open radical prostatectomy      other (please specify)
      2                1
      NA's
      495

patient.biospecimen_cqcf.normal_controls.normal_control.3.normal_tissue.normal_t
other NA's
  2   496

patient.biospecimen_cqcf.normal_controls.normal_control.3.vial_number:
  1    3 NA's
  2    1  495

patient.biospecimen_cqcf.normal_controls.normal_control.days_to_normal_sample_pr
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.   NA's
-1098.00   42.00   62.00   94.69   96.00  1249.00   33

```

```
patient.biospecimen_cqcf.normal_controls.normal_control.extracted_dna.ncedna_dna
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.    NA's
0.0029  0.0700  0.1175  8.5578  0.1960 200.0000  392
```

```
patient.biospecimen_cqcf.normal_controls.normal_control.extracted_dna.ncedna_dna
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.    NA's
5.293 15.000 20.440 32.362 36.825 203.600  392
```

```
patient.biospecimen_cqcf.normal_controls.normal_control.extracted_dna.ncedna_dna
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.    NA's
30.0  108.5  173.0  209.8  220.5  987.9  392
```

```
patient.biospecimen_cqcf.normal_controls.normal_control.method_of_normal_sample_
      blood draw
      355
laparoscopic radical prostatectomy w/robotics
      25
      open radical prostatectomy
      72
      other (please specify)
      44
      NA's
      2
```

```
patient.biospecimen_cqcf.normal_controls.normal_control.normal_tissue.normal_tis
      other seminal vesicle      NA's
      88      49      361
```

```
patient.biospecimen_cqcf.normal_controls.normal_control.vial_number:
  1  2
477 21
```

```
patient.biospecimen_cqcf.path_confirm_diagnosis_matching:
  no yes
10 488
```

```
patient.biospecimen_cqcf.path_confirm_report_attached:
  no yes
  1 497
```

```
patient.biospecimen_cqcf.path_confirm_tumor_necrosis_metrics:
  no yes
  2 496
```

```
patient.biospecimen_cqcf.path_confirm_tumor_nuclei_metrics:
  no yes
  5 493
```

```

patient.biospecimen_cqcf.race:
american indian or alaska native      asian
                                     1      12
        black or african american      white
                                     58     409
                                     NA's
                                     18

patient.biospecimen_cqcf.reason_path_confirm_diagnosis_not_matching:
                                     macrodissection performed at tss to select f
                                     pathology analysis at tss determined a specific histological subtype different
                                     pathology review of frozen section for tcga determined histological subtype diff

patient.biospecimen_cqcf.sample_prescreened:
yes
498

patient.biospecimen_cqcf.site_of_disease:
prostate
    498

patient.biospecimen_cqcf.submitted_for_lce:
no yes
443  55

patient.biospecimen_cqcf.top_slide_submitted:
no yes
68  430

patient.biospecimen_cqcf.tumor_samples.tumor_sample.2.tumor_necrosis_percent:
    0  10  15 NA's
    8   1   1  488

patient.biospecimen_cqcf.tumor_samples.tumor_sample.2.tumor_nuclei_percent:
    Min. 1st Qu.  Median    Mean 3rd Qu.    Max.    NA's
    60.00  65.00  70.00  73.50  83.75  90.00   488

patient.biospecimen_cqcf.tumor_samples.tumor_sample.2.tumor_weight:
    Min. 1st Qu.  Median    Mean 3rd Qu.    Max.    NA's
    11.00  38.25 124.00 142.90 200.00 360.00   488

patient.biospecimen_cqcf.tumor_samples.tumor_sample.2.vial_number:
    1 NA's
    10  488

```

patient.biospecimen_cqcf.tumor_samples.tumor_sample.tumor_necrosis_percent:
 Min. 1st Qu. Median Mean 3rd Qu. Max.
 0.0 0.0 0.0 1.6 0.0 20.0

patient.biospecimen_cqcf.tumor_samples.tumor_sample.tumor_nuclei_percent:
 Min. 1st Qu. Median Mean 3rd Qu. Max.
 5.00 66.25 75.00 73.78 80.00 100.00

patient.biospecimen_cqcf.tumor_samples.tumor_sample.tumor_weight:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 11.0 100.0 170.0 195.8 250.0 1469.0 8

patient.biospecimen_cqcf.tumor_samples.tumor_sample.vial_number:
 1
 498

patient.biospecimen_cqcf.vessel_used:
 biospecimen storage bag cassette cryomold
 51 36 145
 cryovial other (please specify)
 205 61

patient.days_to_index:
 0 NA's
 467 31

patient.samples.sample.2.bcr_biospecimen_canonical_reasons.bcr_canonical_reason:
 primary tumor and metastatic tumor(s) NA's
 1 497

patient.samples.sample.2.days_to_collection:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 64.0 234.0 601.0 939.4 1324.0 4724.0 223

patient.samples.sample.2.initial_weight:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 80.0 212.5 260.0 296.7 345.0 620.0 452

patient.samples.sample.2.intermediate_dimension:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 0.2 0.4 0.4 0.4 0.4 0.7 485

patient.samples.sample.2.is_ffpe:
 no yes
 494 4

patient.samples.sample.2.longest_dimension:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 0.500 0.800 1.100 1.115 1.400 1.800 485

patient.samples.sample.2.oct_embedded:

false true NA's
260 46 192

patient.samples.sample.2.portions.portion.analytes.analyte.2.a260_a280_ratio:

1.7 1.8 1.86 NA's
2 2 1 493

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.2.

ffpe validation NA's
4 494

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.2.

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1.210e+08	1.244e+08	1.244e+08	4.652e+08	1.050e+09	1.054e+09	487

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.2.

7 13 NA's
6 5 487

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.2.

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0.1300	0.1400	0.1500	0.1473	0.1500	0.1700	487

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.2.

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
4.00	23.00	25.00	23.09	31.00	31.00	487

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.2.

no yes NA's
7 4 487

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.2.

1 2 5 NA's
2 3 6 487

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.2.

1 2 3 9 NA's
3 1 2 5 487

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.2.

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1.730	2.330	3.000	2.971	3.705	4.010	487

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.2.

22 23 NA's

10 1 487

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.2.
13.3 20 26.7 NA's
3 5 3 487

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.2.
2011 2012 2014 NA's
4 6 1 487

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.bo
ffpe validation NA's
4 494

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.bi
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
1.070e+08 1.539e+08 1.678e+08 3.671e+08 1.752e+08 1.062e+09 73

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.ce
7 8 13 NA's
5 414 6 73

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.co
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
0.1300 0.5000 0.5000 0.4909 0.5000 0.5000 73

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.da
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
4.00 8.00 21.00 17.97 24.00 31.00 73

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.is
no yes NA's
421 4 73

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.mo
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
1.000 3.000 7.000 5.374 7.000 10.000 73

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.pl
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
1.000 5.000 7.000 6.833 9.000 12.000 73

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.qu
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
2.21 40.00 40.00 39.05 40.00 40.00 73

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.so
22 23 NA's

172 253 73

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.vo

13 20 26.7 80 NA's

1 6 4 414 73

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.ye

2011 2012 2013 2014 NA's

101 71 89 164 73

patient.samples.sample.2.portions.portion.analytes.analyte.2.amount:

Min. 1st Qu. Median Mean 3rd Qu. Max. NA's

0.0 164.0 177.0 173.2 191.0 286.2 325

patient.samples.sample.2.portions.portion.analytes.analyte.2.analyte_type:

repli-g (qiagen) dna rna NA's

414 11 73

patient.samples.sample.2.portions.portion.analytes.analyte.2.analyte_type_id:

r w NA's

11 414 73

patient.samples.sample.2.portions.portion.analytes.analyte.2.concentration:

Min. 1st Qu. Median Mean 3rd Qu. Max. NA's

0.1300 0.5000 0.5000 0.4776 0.5000 0.5000 325

patient.samples.sample.2.portions.portion.analytes.analyte.2.dna.normal_tumor_ge

yes NA's

414 84

patient.samples.sample.2.portions.portion.analytes.analyte.2.dna.pcr_amplificati

no yes NA's

162 252 84

patient.samples.sample.2.portions.portion.analytes.analyte.2.gel_image_file:

<https://sharedoc.nchri.org/tcga-bcr/default.aspx>

425

NA's

73

patient.samples.sample.2.portions.portion.analytes.analyte.2.is_derived_from_ffp

no yes NA's

421 4 73

patient.samples.sample.2.portions.portion.analytes.analyte.2.protocols.protocol.

highpure mirna (allprep dna) ffpe rna mirvana (allprep dna) rna

4 7

repli-g repli-g x

408 6

NA's


```

patient.samples.sample.2.portions.portion.analytes.analyte.2.rna.ratio_28s_18s:
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.   NA's
  0.000  0.350   1.230   1.020  1.515   1.910   487

patient.samples.sample.2.portions.portion.analytes.analyte.2.rna.rinvalue:
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.   NA's
  2.200  3.550   7.300   6.236  8.150   9.800   487

patient.samples.sample.2.portions.portion.analytes.analyte.2.spectrophotometer_m
picogreen  uv spec      NA's
      100          73       325

patient.samples.sample.2.portions.portion.analytes.analyte.2.subportion_sequence
  1    2 NA's
 25    3 470

patient.samples.sample.2.portions.portion.analytes.analyte.3.aliquots.aliquot.bi
  Min.  1st Qu.  Median    Mean  3rd Qu.    Max.    NA's
1.210e+08 3.539e+08 1.053e+09 7.423e+08 1.053e+09 1.054e+09    492

patient.samples.sample.2.portions.portion.analytes.analyte.3.aliquots.aliquot.ce
  8 NA's
  6 492

patient.samples.sample.2.portions.portion.analytes.analyte.3.aliquots.aliquot.co
  0.5 NA's
  6 492

patient.samples.sample.2.portions.portion.analytes.analyte.3.aliquots.aliquot.da
  20  21  30 NA's
  1   3   2 492

patient.samples.sample.2.portions.portion.analytes.analyte.3.aliquots.aliquot.is
  no NA's
  6 492

patient.samples.sample.2.portions.portion.analytes.analyte.3.aliquots.aliquot.mo
  1   3   6 NA's
  2   3   1 492

patient.samples.sample.2.portions.portion.analytes.analyte.3.aliquots.aliquot.pl
  1   3  11  12 NA's
  2   1   2   1 492

patient.samples.sample.2.portions.portion.analytes.analyte.3.aliquots.aliquot.pl
1610 1611 1821 2161 NA's
  1   2   1   2 492

```

```

patient.samples.sample.2.portions.portion.analytes.analyte.3.aliquots.aliquot.pl
  a   b   e   f NA's
  1   1   2   2 492

patient.samples.sample.2.portions.portion.analytes.analyte.3.aliquots.aliquot.qu
  40 NA's
  6 492

patient.samples.sample.2.portions.portion.analytes.analyte.3.aliquots.aliquot.sc
  22 NA's
  6 492

patient.samples.sample.2.portions.portion.analytes.analyte.3.aliquots.aliquot.vo
  80 NA's
  6 492

patient.samples.sample.2.portions.portion.analytes.analyte.3.aliquots.aliquot.ye
2011 2012 NA's
  4   2 492

patient.samples.sample.2.portions.portion.analytes.analyte.3.amount:
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.    NA's
 144.0  158.0   161.5   165.2  171.0   193.0   492

patient.samples.sample.2.portions.portion.analytes.analyte.3.analyte_type:
repli-g (qiagen) dna                NA's
                   6                  492

patient.samples.sample.2.portions.portion.analytes.analyte.3.analyte_type_id:
  w NA's
  6 492

patient.samples.sample.2.portions.portion.analytes.analyte.3.concentration:
  0.5 NA's
  6 492

patient.samples.sample.2.portions.portion.analytes.analyte.3.dna.normal_tumor_ge
  yes NA's
  6 492

patient.samples.sample.2.portions.portion.analytes.analyte.3.dna.pcr_amplificati
  no NA's
  6 492

patient.samples.sample.2.portions.portion.analytes.analyte.3.gel_image_file:
https://sharedoc.nchri.org/tcga-bcr/default.aspx
                                     6
                                     NA's
                                     492

```

patient.samples.sample.2.portions.portion.analytes.analyte.3.is_derived_from_ffp
 no NA's
 6 492

patient.samples.sample.2.portions.portion.analytes.analyte.3.protocols.protocol.
 repli-g NA's
 6 492

patient.samples.sample.2.portions.portion.analytes.analyte.3.spectrophotometer_m
 picogreen uv spec NA's
 3 3 492

patient.samples.sample.2.portions.portion.analytes.analyte.a260_a280_ratio:
 1.8 1.9 2 NA's
 19 69 7 403

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.2.bo
 ffpe validation NA's
 4 494

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.2.bi
 Min. 1st Qu. Median Mean 3rd Qu. Max.
 1.136e+08 1.323e+08 1.641e+08 3.120e+08 1.742e+08 1.076e+09

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.2.ce
 1 8
 120 378

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.2.co
 Min. 1st Qu. Median Mean 3rd Qu. Max.
 0.05000 0.07000 0.08000 0.09257 0.09000 0.17000

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.2.da
 Min. 1st Qu. Median Mean 3rd Qu. Max.
 4.00 12.00 25.00 20.75 28.00 31.00

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.2.is
 no yes
 494 4

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.2.mo
 Min. 1st Qu. Median Mean 3rd Qu. Max.
 1.000 1.000 2.000 3.966 5.000 12.000

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.2.pl
 Min. 1st Qu. Median Mean 3rd Qu. Max.
 1.000 4.000 7.000 6.952 10.000 12.000

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.2.qu
 Min. 1st Qu. Median Mean 3rd Qu. Max.
 0.870 2.800 3.000 2.572 3.200 3.600

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.2.so
 22 23
 178 320

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.2.vo
 6.67 20 40 60
 120 4 320 54

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.2.ye
 2011 2012 2013 2014
 101 87 112 198

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.3.bo
 ffpe validation NA's
 4 494

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.3.bi
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 1.070e+08 1.210e+08 1.523e+08 5.421e+08 1.050e+09 1.050e+09 354

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.3.ce
 1 5 8 NA's
 18 6 120 354

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.3.co
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 0.0500 0.0500 0.0500 0.0667 0.0500 0.1700 354

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.3.da
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 3.00 14.00 23.00 17.69 23.00 31.00 354

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.3.is
 no yes NA's
 140 4 354

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.3.mo
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 1.000 2.000 2.000 3.729 5.000 9.000 354

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.3.pl
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 1.000 3.000 6.000 6.618 11.000 12.000 354

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.3.qu
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 0.940 2.000 2.000 2.265 3.000 3.000 354

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.3.so
 22 23 NA's
 125 19 354

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.3.vo
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 6.67 40.00 40.00 42.43 60.00 60.00 354

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.3.ye
 2011 2012 2013 2014 NA's
 99 26 13 6 354

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.4.bo
 ffpe validation NA's
 3 495

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.4.bi
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 1.070e+08 1.244e+08 1.050e+09 6.727e+08 1.050e+09 1.050e+09 481

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.4.ce
 5 9 26 NA's
 12 2 3 481

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.4.co
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 0.0700 0.1300 0.1300 0.1318 0.1500 0.1600 481

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.4.da
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 4.00 23.00 23.00 23.18 23.00 31.00 481

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.4.is
 no yes NA's
 14 3 481

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.4.mo
 1 2 5 NA's
 3 10 4 481

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.4.pl
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 1.000 2.000 9.000 6.588 9.000 10.000 481

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.4.qu
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 0.940 1.400 3.470 2.772 3.740 4.270 481

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.4.so
 22 23 NA's
 15 2 481

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.4.vo
 10 13.3 13.4 26.7 NA's
 3 2 2 10 481

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.4.ye
 2011 2012 2015 NA's
 11 4 2 481

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.bcr_
 ffpe validation NA's
 4 494

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.bios
 Min. 1st Qu. Median Mean 3rd Qu. Max.
 1.136e+08 1.507e+08 1.641e+08 3.128e+08 1.742e+08 1.076e+09

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.cent
 1 2
 378 120

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.conc
 0.13 0.14 0.15 0.16 0.17
 18 114 160 150 56

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.day_
 Min. 1st Qu. Median Mean 3rd Qu. Max.
 4.00 12.00 25.00 20.75 28.00 31.00

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.is_d
 no yes
 494 4

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.mont
 Min. 1st Qu. Median Mean 3rd Qu. Max.
 1.000 1.000 2.000 3.966 5.000 12.000

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.plat
 Min. 1st Qu. Median Mean 3rd Qu. Max.
 1.000 5.000 7.000 6.914 10.000 12.000

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.quant
 Min. 1st Qu. Median Mean 3rd Qu. Max.
 0.750 1.010 1.070 1.222 1.140 2.260

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.sour
 22 23
 178 320

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.vol
 5 6.67 6.7 10 13.3
 1 58 320 37 82

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.year
 2011 2012 2013 2014
 101 87 112 198

patient.samples.sample.2.portions.portion.analytes.analyte.amount:
 Min. 1st Qu. Median Mean 3rd Qu. Max.
 0.00 15.20 27.75 104.56 100.38 1203.40

patient.samples.sample.2.portions.portion.analytes.analyte.analyte_type:
 dna
 498

patient.samples.sample.2.portions.portion.analytes.analyte.analyte_type_id:
 d
 498

patient.samples.sample.2.portions.portion.analytes.analyte.concentration:
 0.13 0.14 0.15 0.16 0.17
 20 116 161 144 57

patient.samples.sample.2.portions.portion.analytes.analyte.dna.normal_tumor_gene
 yes
 498

patient.samples.sample.2.portions.portion.analytes.analyte.dna.pcr_amplification
 no yes
 188 310

patient.samples.sample.2.portions.portion.analytes.analyte.gel_image_file:
<https://sharedoc.nchri.org/tcga-bcr/default.aspx>
 498

patient.samples.sample.2.portions.portion.analytes.analyte.is_derived_from_ffpe:
 no yes
 494 4

patient.samples.sample.2.portions.portion.analytes.analyte.protocols.protocol.ex
 adna preparation type allprep ffpe dna

```

                224                                4
    chemical lysis dna extraction pre-extracted dna received by tss
                127                                143

patient.samples.sample.2.portions.portion.analytes.analyte.spectrophotometer_met
picogreen    uv spec
            403            95

patient.samples.sample.2.portions.portion.analytes.analyte.subportion_sequence:
    1      2 NA's
    25     3  470

patient.samples.sample.2.portions.portion.day_of_creation:
    Min. 1st Qu.  Median    Mean 3rd Qu.    Max.
    1.00  11.00   17.00   16.46  22.00   31.00

patient.samples.sample.2.portions.portion.is_ffpe:
    no yes
    494   4

patient.samples.sample.2.portions.portion.month_of_creation:
    Min. 1st Qu.  Median    Mean 3rd Qu.    Max.
    1.000  3.000   7.000   6.747  11.000  12.000

patient.samples.sample.2.portions.portion.portion_number:
    Min. 1st Qu.  Median    Mean 3rd Qu.    Max.
    1.000  1.000   1.000   2.088  1.000  21.000

patient.samples.sample.2.portions.portion.portion_sequence:
    1      2 NA's
    166   10  322

patient.samples.sample.2.portions.portion.slides.slide.is_derived_from_ffpe:
    no NA's
    59  439

patient.samples.sample.2.portions.portion.slides.slide.percent_lymphocyte_infilt
    Min. 1st Qu.  Median    Mean 3rd Qu.    Max.    NA's
    0.0    0.0    1.5    11.2    4.5    70.0    452

patient.samples.sample.2.portions.portion.slides.slide.percent_monocyte_infiltra
    0    1    10    20 NA's
    36   2    2    6  452

patient.samples.sample.2.portions.portion.slides.slide.percent_necrosis:
    0    4 NA's
    45   1  452

```


patient.samples.sample.2.portions.portion.slides.slide.percent_neutrophil_infiltration:
 0 1 20 30 NA's
 35 2 8 1 452

patient.samples.sample.2.portions.portion.slides.slide.percent_normal_cells:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 0.00 18.50 40.00 52.24 100.00 100.00 452

patient.samples.sample.2.portions.portion.slides.slide.percent_stromal_cells:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 0.00 0.00 60.00 46.63 80.00 96.00 452

patient.samples.sample.2.portions.portion.slides.slide.percent_tumor_cells:
 0 48 NA's
 45 1 452

patient.samples.sample.2.portions.portion.slides.slide.percent_tumor_nuclei:
 0 70 NA's
 45 1 452

patient.samples.sample.2.portions.portion.slides.slide.section_location:
 top NA's
 59 439

patient.samples.sample.2.portions.portion.weight:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 2.00 2.00 2.00 13.72 30.00 300.00 274

patient.samples.sample.2.portions.portion.year_of_creation:
 2010 2011 2012 2013 2014
 34 127 44 198 95

patient.samples.sample.2.sample_type:
 blood derived normal metastatic primary tumor
 435 1 4
 solid tissue normal
 58

patient.samples.sample.2.sample_type_id:
 1 6 10 11
 4 1 435 58

patient.samples.sample.2.shortest_dimension:
 0.1 0.2 0.3 0.4 NA's
 1 9 1 2 485

patient.samples.sample.2.vial_number:
 a b
 488 10

patient.samples.sample.3.days_to_collection:

177 272 NA's
1 1 496

patient.samples.sample.3.initial_weight:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
60.0	105.0	170.0	208.3	242.5	500.0	492

patient.samples.sample.3.intermediate_dimension:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0.4000	0.6000	0.8500	0.8981	1.0000	1.8000	444

patient.samples.sample.3.is_ffpe:

no NA's
61 437

patient.samples.sample.3.longest_dimension:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0.600	1.100	1.500	1.506	1.875	2.500	444

patient.samples.sample.3.oct_embedded:

false true NA's
1 2 495

patient.samples.sample.3.portions.portion.analytes.analyte.2.a260_a280_ratio:

1.7 1.8 NA's
4 9 485

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.2.

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1.210e+08	1.210e+08	1.210e+08	3.886e+08	1.054e+09	1.054e+09	456

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.2.

7 13 NA's
41 1 456

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.2.

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0.1300	0.1425	0.1500	0.1517	0.1600	0.1700	456

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.2.

4 17 25 29 NA's
23 6 12 1 456

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.2.

no NA's
42 456

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.2.

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1.000	1.000	1.000	3.024	5.000	8.000	456

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.2.

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
3.000	4.000	7.000	6.786	8.750	10.000	456

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.2.

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1789	1965	2118	2071	2118	2263	456

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.2.

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1.730	1.895	2.000	2.043	2.130	3.000	456

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.2.
22 NA's
42 456

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.2.
13.3 20 NA's
41 1 456

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.2.
2011 2012 NA's
12 30 456

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.bi

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1.070e+08	1.210e+08	1.210e+08	3.466e+08	1.323e+08	1.054e+09	440

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.ce

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
7	8	13	NA's			
1	16	41	440			

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.co

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0.1300	0.1500	0.1550	0.2478	0.5000	0.5000	440

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.da

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
4.00	4.00	17.00	14.45	24.50	30.00	440

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.is
no NA's
58 440

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.mo

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's

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1.000  1.000  4.000  3.672  5.000  9.000  440

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.pl
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.   NA's
  3.000  4.000  7.000  6.776  9.000  12.000  440

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.qu
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.   NA's
  2.00  3.00  3.10  13.21  40.00  40.00  440

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.sc
  22  23 NA's
  55  3  440

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.vo
  13.3  20  80 NA's
  1  41  16  440

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.ye
  2011 2012 2013 NA's
  20  35  3  440

patient.samples.sample.3.portions.portion.analytes.analyte.2.amount:
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.   NA's
  8.2  49.7  85.2  103.8  167.0  247.2  443

patient.samples.sample.3.portions.portion.analytes.analyte.2.analyte_type:
repli-g (qiagen) dna                rna                NA's
                  16                  42                  440

patient.samples.sample.3.portions.portion.analytes.analyte.2.analyte_type_id:
  r    w NA's
  42  16  440

patient.samples.sample.3.portions.portion.analytes.analyte.2.concentration:
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.   NA's
  0.130  0.150  0.150  0.234  0.170  0.500  443

patient.samples.sample.3.portions.portion.analytes.analyte.2.dna.normal_tumor_ge
yes NA's
  16  482

patient.samples.sample.3.portions.portion.analytes.analyte.2.dna.pcr_amplificati
no yes NA's
  13  3  482

patient.samples.sample.3.portions.portion.analytes.analyte.2.gel_image_file:
https://sharedoc.nchri.org/tcga-bcr/default.aspx

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58
NA's
440

patient.samples.sample.3.portions.portion.analytes.analyte.2.is_derived_from_ffp
no NA's
58 440

patient.samples.sample.3.portions.portion.analytes.analyte.2.protocols.protocol.
mirvana (allprep dna) rna repli-g repli-g x
42 13 3
NA's
440

patient.samples.sample.3.portions.portion.analytes.analyte.2.rna.ratio_28s_18s:
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
0.720 1.117 1.310 1.320 1.512 1.850 456

patient.samples.sample.3.portions.portion.analytes.analyte.2.rna.rinvalue:
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
7.000 7.500 8.200 8.145 8.775 9.600 456

patient.samples.sample.3.portions.portion.analytes.analyte.2.spectrophotometer_m
picogreen uv spec NA's
13 42 443

patient.samples.sample.3.portions.portion.analytes.analyte.3.aliquots.aliquot.bi
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
1.210e+08 1.210e+08 1.210e+08 4.108e+08 1.054e+09 1.054e+09 456

patient.samples.sample.3.portions.portion.analytes.analyte.3.aliquots.aliquot.ce
8 NA's
42 456

patient.samples.sample.3.portions.portion.analytes.analyte.3.aliquots.aliquot.co
0.5 NA's
42 456

patient.samples.sample.3.portions.portion.analytes.analyte.3.aliquots.aliquot.da
19 20 23 30 NA's
6 7 6 23 456

patient.samples.sample.3.portions.portion.analytes.analyte.3.aliquots.aliquot.is
no NA's
42 456

patient.samples.sample.3.portions.portion.analytes.analyte.3.aliquots.aliquot.mo
1 5 6 9 NA's
23 6 7 6 456

patient.samples.sample.3.portions.portion.analytes.analyte.3.aliquots.aliquot.pl
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 3.000 5.000 8.500 7.809 10.000 12.000 456

patient.samples.sample.3.portions.portion.analytes.analyte.3.aliquots.aliquot.pl
 1821 1999 2161 2288 NA's
 7 6 23 6 456

patient.samples.sample.3.portions.portion.analytes.analyte.3.aliquots.aliquot.qu
 40 NA's
 42 456

patient.samples.sample.3.portions.portion.analytes.analyte.3.aliquots.aliquot.sc
 22 NA's
 42 456

patient.samples.sample.3.portions.portion.analytes.analyte.3.aliquots.aliquot.vo
 80 NA's
 42 456

patient.samples.sample.3.portions.portion.analytes.analyte.3.aliquots.aliquot.ye
 2011 2012 NA's
 13 29 456

patient.samples.sample.3.portions.portion.analytes.analyte.3.amount:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 140.0 168.0 176.5 178.3 183.8 213.0 456

patient.samples.sample.3.portions.portion.analytes.analyte.3.analyte_type:
 repli-g (qiagen) dna NA's
 42 456

patient.samples.sample.3.portions.portion.analytes.analyte.3.analyte_type_id:
 w NA's
 42 456

patient.samples.sample.3.portions.portion.analytes.analyte.3.concentration:
 0.5 NA's
 42 456

patient.samples.sample.3.portions.portion.analytes.analyte.3.dna.normal_tumor_ge
 yes NA's
 42 456

patient.samples.sample.3.portions.portion.analytes.analyte.3.dna.pcr_amplificati
 no NA's
 42 456

patient.samples.sample.3.portions.portion.analytes.analyte.3.gel_image_file:

https://sharedoc.nchri.org/tcga-bcr/default.aspx
 42
 NA's
 456

patient.samples.sample.3.portions.portion.analytes.analyte.3.is_derived_from_ffp
 no NA's
 42 456

patient.samples.sample.3.portions.portion.analytes.analyte.3.protocols.protocol.
 repli-g NA's
 42 456

patient.samples.sample.3.portions.portion.analytes.analyte.3.spectrophotometer_m
 picogreen NA's
 42 456

patient.samples.sample.3.portions.portion.analytes.analyte.a260_a280_ratio:
 1.76 1.9 1.92 2 NA's
 1 17 1 1 478

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.2.bo
 case matched expression control NA's
 1 497

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.2.bi
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 1.136e+08 1.210e+08 1.210e+08 3.694e+08 1.054e+09 1.076e+09 437

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.2.ce
 1 7 8 NA's
 27 2 32 437

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.2.co
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 0.050 0.050 0.050 0.097 0.150 0.170 437

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.2.da
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 4.00 4.00 17.00 14.92 25.00 29.00 437

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.2.is
 no NA's
 61 437

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.2.mo
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 1.000 1.000 4.000 3.607 5.000 9.000 437

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.2.pl

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
3.000	4.000	7.000	6.246	8.000	10.000	437

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.2.qu

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0.870	1.000	3.000	2.075	3.000	3.000	437

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.2.so

22	23	NA's				
58	3	437				

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.2.vo

6.67	13	40	60	NA's		
27	2	1	31	437		

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.2.ye

2011	2012	2014	NA's			
20	38	3	437			

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.3.bi

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1.070e+08	1.070e+08	1.136e+08	1.401e+08	1.210e+08	1.054e+09	461

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.3.ce

5	8	NA's				
10	27	461				

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.3.co

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0.0500	0.0500	0.0500	0.0749	0.1200	0.1700	461

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.3.da

4	17	24	NA's			
17	7	13	461			

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.3.is

no	NA's					
37	461					

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.3.mo

1	5	8	NA's			
17	13	7	461			

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.3.pl

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
3.000	4.000	7.000	6.432	8.000	9.000	461

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.3.pl

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1786	1786	1961	1970	2114	2116	461

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.3.qu

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1.320	2.260	3.000	2.692	3.000	3.000	461

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.3.so

22 NA's
37 461

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.3.vo

11 13.3 60 NA's
1 9 27 461

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.3.ye

2011 2012 NA's
20 17 461

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.4.bi

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1.070e+08	1.070e+08	1.210e+08	3.216e+08	1.210e+08	1.054e+09	471

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.4.ce

5 NA's
27 471

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.4.co

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0.130	0.140	0.150	0.147	0.155	0.170	471

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.4.da

4 17 25 NA's
8 6 13 471

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.4.is

no NA's
27 471

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.4.mo

1 5 8 NA's
8 13 6 471

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.4.pl

3 4 7 8 NA's
5 8 9 5 471

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.4.pl

1787 1963 2116 NA's

13 6 8 471

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.4.qu

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1.730	1.860	2.000	1.957	2.065	2.260	471

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.4.so

22 NA's
27 471

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.4.vo

13.3 NA's
27 471

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.4.ye

2011 2012 NA's
19 8 471

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.bcr_

case matched expression control NA's
1 497

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.bios

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1.136e+08	1.210e+08	1.210e+08	3.694e+08	1.054e+09	1.076e+09	437

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.cent

1 2 13 NA's
32 27 2 437

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.conc

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0.1300	0.1400	0.1500	0.1467	0.1500	0.1700	437

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.day_

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
4.00	4.00	17.00	14.92	25.00	29.00	437

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.is_d

no NA's
61 437

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.mont

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1.000	1.000	4.000	3.607	5.000	9.000	437

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.plat

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
3.000	4.000	4.000	5.672	7.000	10.000	437

```

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.quant
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.    NA's
0.870  0.930  1.130  1.373  1.600  3.400  437

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.sourc
 22  23 NA's
 58  3  437

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.volun
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.    NA's
6.670  6.670  6.670  9.285 10.000 20.000  437

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.year
2011 2012 2014 NA's
 20  38   3  437

patient.samples.sample.3.portions.portion.analytes.analyte.amount:
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.    NA's
 6.25  82.30 167.40 166.32 231.30 506.30  437

patient.samples.sample.3.portions.portion.analytes.analyte.analyte_type:
 dna  rna NA's
 59   2  437

patient.samples.sample.3.portions.portion.analytes.analyte.analyte_type_id:
  d   r NA's
 59   2  437

patient.samples.sample.3.portions.portion.analytes.analyte.concentration:
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.    NA's
0.1200 0.1400 0.1500 0.1462 0.1500 0.1700  437

patient.samples.sample.3.portions.portion.analytes.analyte.dna.normal_tumor_genom
yes NA's
 59  439

patient.samples.sample.3.portions.portion.analytes.analyte.dna.pcr_amplification
no  yes NA's
 58   1  439

patient.samples.sample.3.portions.portion.analytes.analyte.gel_image_file:
https://sharedoc.nchri.org/tcga-bcr/default.aspx
                                     61
                                     NA's
                                     437

patient.samples.sample.3.portions.portion.analytes.analyte.is_derived_from_ffpe:

```

no NA's
61 437

patient.samples.sample.3.portions.portion.analytes.analyte.protocols.protocol.ex
adna preparation type chemical lysis dna extraction
55 4
mirvana (allprep dna) rna NA's
2 437

patient.samples.sample.3.portions.portion.analytes.analyte.rna.ratio_28s_18s:
1.5 1.7 NA's
1 1 496

patient.samples.sample.3.portions.portion.analytes.analyte.rna.rinvalue:
8.1 8.4 NA's
1 1 496

patient.samples.sample.3.portions.portion.analytes.analyte.spectrophotometer_met
picogreen uv spec NA's
41 20 437

patient.samples.sample.3.portions.portion.analytes.analyte.subportion_sequence:
1 NA's
2 496

patient.samples.sample.3.portions.portion.day_of_creation:
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
3.00 15.00 17.00 16.79 18.00 31.00 437

patient.samples.sample.3.portions.portion.is_ffpe:
no NA's
61 437

patient.samples.sample.3.portions.portion.month_of_creation:
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
3.000 3.000 7.000 7.131 11.000 12.000 437

patient.samples.sample.3.portions.portion.portion_number:
1 2 11 NA's
56 3 2 437

patient.samples.sample.3.portions.portion.portion_sequence:
1 NA's
2 496

patient.samples.sample.3.portions.portion.slides.slide.is_derived_from_ffpe:
no NA's

56 442

patient.samples.sample.3.portions.portion.slides.slide.percent_lymphocyte_infiltration:

0 NA's

2 496

patient.samples.sample.3.portions.portion.slides.slide.percent_monocyte_infiltration:

0 NA's

2 496

patient.samples.sample.3.portions.portion.slides.slide.percent_necrosis:

0 NA's

2 496

patient.samples.sample.3.portions.portion.slides.slide.percent_neutrophil_infiltration:

0 NA's

2 496

patient.samples.sample.3.portions.portion.slides.slide.percent_normal_cells:

25 40 NA's

1 1 496

patient.samples.sample.3.portions.portion.slides.slide.percent_stromal_cells:

60 75 NA's

1 1 496

patient.samples.sample.3.portions.portion.slides.slide.percent_tumor_cells:

0 NA's

2 496

patient.samples.sample.3.portions.portion.slides.slide.percent_tumor_nuclei:

0 NA's

2 496

patient.samples.sample.3.portions.portion.slides.slide.section_location:

top NA's

56 442

patient.samples.sample.3.portions.portion.weight:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
2.00	40.00	60.00	54.02	67.00	78.00	441

patient.samples.sample.3.portions.portion.year_of_creation:

2011	2012	2013	2014	NA's
48	10	2	1	437

patient.samples.sample.3.sample_type:

blood derived	normal	solid tissue	normal
	5		56

NA's

437

patient.samples.sample.3.sample_type_id:

10 11 NA's

5 56 437

patient.samples.sample.3.shortest_dimension:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0.1000	0.3000	0.4000	0.3944	0.5000	0.7000	444

patient.samples.sample.3.vial_number:

a NA's
61 437

patient.samples.sample.4.bcr_sample_barcode:

tcga-hc-7740-11a	tcga-hc-8258-11a	tcga-hc-8261-11a	tcga-hc-8265-11a
1	1	1	1
NA's			
494			

patient.samples.sample.4.bcr_sample_uuid:

11ddccdc-a5aa-4f81-862d-66bb1576d7cb	30787c2d-1622-4a9e-a2ed-a45a583091d8
1	1
7747d93c-4c6a-4ad5-ba8c-d47685b247f2	dc4d93e4-6eb3-452f-a216-b360e5353a04
1	1
NA's	
494	

patient.samples.sample.4.intermediate_dimension:

0.5	0.6	NA's
2	2	494

patient.samples.sample.4.is_ffpe:

no NA's
4 494

patient.samples.sample.4.longest_dimension:

0.5	0.6	0.7	NA's
1	2	1	494

patient.samples.sample.4.portions.portion.analytes.analyte.2.aliquots.aliquot.2.

tcga-hc-7740-11a-01r-2118-07	tcga-hc-8258-11a-01r-2263-07
1	1
NA's	
496	

patient.samples.sample.4.portions.portion.analytes.analyte.2.aliquots.aliquot.2.

0120b5b1-d204-429a-aa21-704fd98624ea	575740a1-6467-4f58-b462-6fd1a4f63c51
1	1
NA's	
496	

patient.samples.sample.4.portions.portion.analytes.analyte.2.aliquots.aliquot.2.

120997910	128285457	NA's
1	1	496

patient.samples.sample.4.portions.portion.analytes.analyte.2.aliquots.aliquot.2.
7 NA's
2 496

patient.samples.sample.4.portions.portion.analytes.analyte.2.aliquots.aliquot.2.
0.14 0.15 NA's
1 1 496

patient.samples.sample.4.portions.portion.analytes.analyte.2.aliquots.aliquot.2.
4 25 NA's
1 1 496

patient.samples.sample.4.portions.portion.analytes.analyte.2.aliquots.aliquot.2.
no NA's
2 496

patient.samples.sample.4.portions.portion.analytes.analyte.2.aliquots.aliquot.2.
1 4 NA's
1 1 496

patient.samples.sample.4.portions.portion.analytes.analyte.2.aliquots.aliquot.2.
3 10 NA's
1 1 496

patient.samples.sample.4.portions.portion.analytes.analyte.2.aliquots.aliquot.2.
2118 2263 NA's
1 1 496

patient.samples.sample.4.portions.portion.analytes.analyte.2.aliquots.aliquot.2.
a g NA's
1 1 496

patient.samples.sample.4.portions.portion.analytes.analyte.2.aliquots.aliquot.2.
1.86 2 NA's
1 1 496

patient.samples.sample.4.portions.portion.analytes.analyte.2.aliquots.aliquot.2.
22 NA's
2 496

patient.samples.sample.4.portions.portion.analytes.analyte.2.aliquots.aliquot.2.
13.3 NA's
2 496

patient.samples.sample.4.portions.portion.analytes.analyte.2.aliquots.aliquot.2.
2012 NA's
2 496

patient.samples.sample.4.portions.portion.analytes.analyte.2.aliquots.aliquot.2.
tcga-hc-7740-11a-01r-2117-13 tcga-hc-8258-11a-01r-2262-13
1 1
tcga-hc-8261-11a-01w-2288-08 tcga-hc-8265-11a-01w-2288-08

1
NA's
494

patient.samples.sample.4.portions.portion.analytes.analyte.2.aliquots.aliquot.bo
3af5f8c0-7f10-4076-ad17-049555b8bfa3 9ceda515-5073-4d0e-9b61-31449725b239
1 1
ccb800b1-fa11-44fe-a8ec-4806a5aeb518 ebd551e3-e582-4839-9845-3958ab39e5e1
1 1
NA's
494

patient.samples.sample.4.portions.portion.analytes.analyte.2.aliquots.aliquot.bi
120997718 128285589 128286928 128286992 NA's
1 1 1 1 494

patient.samples.sample.4.portions.portion.analytes.analyte.2.aliquots.aliquot.ce
8 13 NA's
2 2 494

patient.samples.sample.4.portions.portion.analytes.analyte.2.aliquots.aliquot.co
0.14 0.15 0.5 NA's
1 1 2 494

patient.samples.sample.4.portions.portion.analytes.analyte.2.aliquots.aliquot.da
4 23 25 NA's
1 2 1 494

patient.samples.sample.4.portions.portion.analytes.analyte.2.aliquots.aliquot.is
no NA's
4 494

patient.samples.sample.4.portions.portion.analytes.analyte.2.aliquots.aliquot.mo
1 4 5 NA's
1 1 2 494

patient.samples.sample.4.portions.portion.analytes.analyte.2.aliquots.aliquot.pl
3 4 5 10 NA's
1 1 1 1 494

patient.samples.sample.4.portions.portion.analytes.analyte.2.aliquots.aliquot.pl
2117 2262 2288 NA's
1 1 2 494

patient.samples.sample.4.portions.portion.analytes.analyte.2.aliquots.aliquot.pl
a b g NA's
1 1 2 494

patient.samples.sample.4.portions.portion.analytes.analyte.2.aliquots.aliquot.qu
2.8 3 40 NA's
1 1 2 494


```

patient.samples.sample.4.portions.portion.analytes.analyte.2.aliquots.aliquot.so
22 NA's
4 494

patient.samples.sample.4.portions.portion.analytes.analyte.2.aliquots.aliquot.vo
20 80 NA's
2 2 494

patient.samples.sample.4.portions.portion.analytes.analyte.2.aliquots.aliquot.ye
2012 NA's
4 494

patient.samples.sample.4.portions.portion.analytes.analyte.2.amount:
20 121.2 212 236.2 NA's
1 1 1 1 494

patient.samples.sample.4.portions.portion.analytes.analyte.2.analyte_type:
repli-g (qiagen) dna rna NA's
2 2 494

patient.samples.sample.4.portions.portion.analytes.analyte.2.analyte_type_id:
r w NA's
2 2 494

patient.samples.sample.4.portions.portion.analytes.analyte.2.bcr_analyte_barcode
tcga-hc-7740-11a-01r tcga-hc-8258-11a-01r tcga-hc-8261-11a-01w
1 1 1
tcga-hc-8265-11a-01w NA's
1 494

patient.samples.sample.4.portions.portion.analytes.analyte.2.bcr_analyte_uuid:
1aaf9750-784c-46de-8e97-287b2e52d0a2 21b29748-804e-4f2c-8ac0-dbba2490799b
1 1
5cc67a47-749d-4044-9b8a-f7dee7f8d429 ec3cbdd3-0924-4ad7-a237-ca89f582c356
1 1
NA's
494

patient.samples.sample.4.portions.portion.analytes.analyte.2.concentration:
0.14 0.15 0.5 NA's
1 1 2 494

patient.samples.sample.4.portions.portion.analytes.analyte.2.dna.normal_tumor_ge
yes NA's
2 496

patient.samples.sample.4.portions.portion.analytes.analyte.2.dna.pcr_amplificati
no NA's
2 496

patient.samples.sample.4.portions.portion.analytes.analyte.2.gel_image_file:
https://sharedoc.nchri.org/tcga-bcr/default.aspx

```

4
NA's
494

patient.samples.sample.4.portions.portion.analytes.analyte.2.is_derived_from_ffp
no NA's
4 494

patient.samples.sample.4.portions.portion.analytes.analyte.2.protocols.protocol.
mirvana (allprep dna) rna repli-g NA's
2 2 494

patient.samples.sample.4.portions.portion.analytes.analyte.2.rna.ratio_28s_18s:
1.18 1.37 NA's
1 1 496

patient.samples.sample.4.portions.portion.analytes.analyte.2.rna.rinvalue:
7.5 8.1 NA's
1 1 496

patient.samples.sample.4.portions.portion.analytes.analyte.2.spectrophotometer_m
picogreen uv spec NA's
2 2 494

patient.samples.sample.4.portions.portion.analytes.analyte.3.aliquots.aliquot.bo
tcga-hc-7740-11a-01w-2161-08 tcga-hc-8258-11a-01w-2288-08
1 1
NA's
496

patient.samples.sample.4.portions.portion.analytes.analyte.3.aliquots.aliquot.bo
9d269d18-46c0-4056-89c4-67da5330925c c4020e50-9ec2-4fd7-bdee-5cd4d219ea95
1 1
NA's
496

patient.samples.sample.4.portions.portion.analytes.analyte.3.aliquots.aliquot.bi
120988858 128286951 NA's
1 1 496

patient.samples.sample.4.portions.portion.analytes.analyte.3.aliquots.aliquot.ce
8 NA's
2 496

patient.samples.sample.4.portions.portion.analytes.analyte.3.aliquots.aliquot.co
0.5 NA's
2 496

patient.samples.sample.4.portions.portion.analytes.analyte.3.aliquots.aliquot.da
23 30 NA's
1 1 496

```

patient.samples.sample.4.portions.portion.analytes.analyte.3.aliquots.aliquot.is
no NA's
2 496

patient.samples.sample.4.portions.portion.analytes.analyte.3.aliquots.aliquot.mo
1 5 NA's
1 1 496

patient.samples.sample.4.portions.portion.analytes.analyte.3.aliquots.aliquot.pl
4 11 NA's
1 1 496

patient.samples.sample.4.portions.portion.analytes.analyte.3.aliquots.aliquot.pl
2161 2288 NA's
1 1 496

patient.samples.sample.4.portions.portion.analytes.analyte.3.aliquots.aliquot.pl
d NA's
2 496

patient.samples.sample.4.portions.portion.analytes.analyte.3.aliquots.aliquot.qu
40 NA's
2 496

patient.samples.sample.4.portions.portion.analytes.analyte.3.aliquots.aliquot.so
22 NA's
2 496

patient.samples.sample.4.portions.portion.analytes.analyte.3.aliquots.aliquot.vo
80 NA's
2 496

patient.samples.sample.4.portions.portion.analytes.analyte.3.aliquots.aliquot.ye
2012 NA's
2 496

patient.samples.sample.4.portions.portion.analytes.analyte.3.amount:
159 218 NA's
1 1 496

patient.samples.sample.4.portions.portion.analytes.analyte.3.analyte_type:
repli-g (qiagen) dna NA's
2 496

patient.samples.sample.4.portions.portion.analytes.analyte.3.analyte_type_id:
w NA's
2 496

patient.samples.sample.4.portions.portion.analytes.analyte.3.bcr_analyte_barcode
tcga-hc-7740-11a-01w tcga-hc-8258-11a-01w NA's
1 1 496

```

patient.samples.sample.4.portions.portion.analytes.analyte.3.bcr_analyte_uuid:
00ee266d-728d-4b40-90af-74db82e382f5 e706fa67-559e-4caa-8c0b-3fcad413e7d3

1 1
NA's
496

patient.samples.sample.4.portions.portion.analytes.analyte.3.concentration:

0.5 NA's
2 496

patient.samples.sample.4.portions.portion.analytes.analyte.3.dna.normal_tumor_ge

yes NA's
2 496

patient.samples.sample.4.portions.portion.analytes.analyte.3.dna.pcr_amplificati

no NA's
2 496

patient.samples.sample.4.portions.portion.analytes.analyte.3.gel_image_file:

<https://sharedoc.nchri.org/tcga-bcr/default.aspx>
2
NA's
496

patient.samples.sample.4.portions.portion.analytes.analyte.3.is_derived_from_ffp

no NA's
2 496

patient.samples.sample.4.portions.portion.analytes.analyte.3.protocols.protocol.

repli-g NA's
2 496

patient.samples.sample.4.portions.portion.analytes.analyte.3.spectrophotometer_m

picogreen NA's
2 496

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.2.bo

tcga-hc-7740-11a-01d-2114-08 tcga-hc-8258-11a-01d-2260-08

1 1

tcga-hc-8261-11a-01d-2260-08 tcga-hc-8265-11a-01d-2260-08

1 1

NA's

494

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.2.bo

011c6fe3-5efa-4f9a-971f-08330b3968b9 235b6bc1-39a3-4230-b3bc-ed9755a93945

1 1

2b9ec727-0616-4b5f-991d-e28121bd724b ed3c9d2a-13f3-4fbb-82a7-571ce2987c86

1 1

NA's

494

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.2.bi
120997334 128285696 128285720 128285750 NA's
1 1 1 1 494

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.2.ce
8 NA's
4 494

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.2.co
0.05 NA's
4 494

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.2.da
4 25 NA's
1 3 494

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.2.is
no NA's
4 494

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.2.mo
1 4 NA's
1 3 494

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.2.pl
3 4 10 NA's
1 2 1 494

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.2.pl
2114 2260 NA's
1 3 494

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.2.pl
a c e h NA's
1 1 1 1 494

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.2.qu
3 NA's
4 494

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.2.so
22 NA's
4 494

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.2.vo
60 NA's
4 494

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.2.ye
2012 NA's
4 494

```

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.bcr_
tcga-hc-7740-11a-01d-2112-01 tcga-hc-8258-11a-01d-2259-01
                                1                                1
tcga-hc-8261-11a-01d-2259-01 tcga-hc-8265-11a-01d-2259-01
                                1                                1
                                NA's
                                494

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.bcr_
0a447729-1f14-42e1-a837-a72a624ce81f 37700f67-b21d-430a-a649-e2efddb3328c
                                1                                1
702a24b2-d4ec-4082-b703-f4da90fbae66 f6ea2eef-c693-4dbb-8d89-6992d4593577
                                1                                1
                                NA's
                                494

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.bios
120996758 128286518 128287640 128287670      NA's
                1                1                1                1                494

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.cent
1 NA's
4 494

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.conc
0.14 0.15 NA's
2 2 494

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.day_
4 25 NA's
1 3 494

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.is_d
no NA's
4 494

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.mont
1 4 NA's
1 3 494

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.plat
3 4 10 NA's
1 2 1 494

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.plat
2112 2259 NA's
1 3 494

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.plat
a c e h NA's
1 1 1 1 494

```

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.quant:
 0.93 1 NA's
 2 2 494

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.source:
 22 NA's
 4 494

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.volume:
 6.67 NA's
 4 494

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.year:
 2012 NA's
 4 494

patient.samples.sample.4.portions.portion.analytes.analyte.amount:
 153.6 164.6 206.6 348.6 NA's
 1 1 1 1 494

patient.samples.sample.4.portions.portion.analytes.analyte.analyte_type:
 dna NA's
 4 494

patient.samples.sample.4.portions.portion.analytes.analyte.analyte_type_id:
 d NA's
 4 494

patient.samples.sample.4.portions.portion.analytes.analyte.bcr_analyte_barcode:
 tcga-hc-7740-11a-01d tcga-hc-8258-11a-01d tcga-hc-8261-11a-01d
 1 1 1
 tcga-hc-8265-11a-01d NA's
 1 494

patient.samples.sample.4.portions.portion.analytes.analyte.bcr_analyte_uuid:
 7b6c08d2-3f06-4721-93b2-9bbeed8ab312 c6395e39-530f-40e9-b740-7a084e99d608
 1 1
 ccff2794-bc6d-4144-bc9d-1445105cb39c fe203f40-ebfc-4b4d-bc64-7475828238f4
 1 1
 NA's
 494

patient.samples.sample.4.portions.portion.analytes.analyte.concentration:
 0.14 0.15 NA's
 2 2 494

patient.samples.sample.4.portions.portion.analytes.analyte.dna.normal_tumor_genes:
 yes NA's
 4 494

patient.samples.sample.4.portions.portion.analytes.analyte.dna.pcr_amplification:
 no NA's

4 494

patient.samples.sample.4.portions.portion.analytes.analyte.gel_image_file:
<https://sharedoc.nchri.org/tcga-bcr/default.aspx>

4

NA's

494

patient.samples.sample.4.portions.portion.analytes.analyte.is_derived_from_ffpe:

no NA's

4 494

patient.samples.sample.4.portions.portion.analytes.analyte.protocols.protocol.ex
 adna preparation type NA's

4

494

patient.samples.sample.4.portions.portion.analytes.analyte.spectrophotometer_met
 picogreen NA's

4

494

patient.samples.sample.4.portions.portion.bcr_portion_barcode:

tcga-hc-7740-11a-01 tcga-hc-8258-11a-01 tcga-hc-8261-11a-01 tcga-hc-8265-11a-01

1

1

1

1

NA's

494

patient.samples.sample.4.portions.portion.bcr_portion_uuid:

3623800f-c1bd-46db-aad4-cc3668038d9e 49c1f9d0-4b3d-496e-9c88-c5c2cb8e8962

1

1

7ac97ffb-c859-47f4-be62-47fdf38f8c7d e545b686-bfd2-4760-9cfc-2954ebd8135a

1

1

NA's

494

patient.samples.sample.4.portions.portion.day_of_creation:

6 29 NA's

3 1 494

patient.samples.sample.4.portions.portion.is_ffpe:

no NA's

4 494

patient.samples.sample.4.portions.portion.month_of_creation:

4 11 NA's

3 1 494

patient.samples.sample.4.portions.portion.portion_number:

1 NA's

4 494

patient.samples.sample.4.portions.portion.slides.slide.bcr_slide_barcode:

tcga-hc-7740-11a-01-ts1 tcga-hc-8258-11a-01-ts1 tcga-hc-8261-11a-01-ts1

	1		1		1
tcga-hc-8265-11a-01-ts1			NA's		
	1		494		

patient.samples.sample.4.portions.portion.slides.slide.bcr_slide_uuid:

1cb778b1-58b6-4ebe-b7cd-07dc31fb89ba	97531eb7-8578-428d-9348-e00b2e2b9a43				
		1			1
d5302bc5-3024-418a-ab1a-75ffbeb6b369	f58acca6-2745-4614-a143-c8f65e27ec31				
		1			1
			NA's		
			494		

patient.samples.sample.4.portions.portion.slides.slide.image_file_name:

tcga-hc-7740-11a-01-ts1.d5302bc5-3024-418a-ab1a-75ffbeb6b369.svs					1
tcga-hc-8258-11a-01-ts1.97531eb7-8578-428d-9348-e00b2e2b9a43.svs					1
tcga-hc-8261-11a-01-ts1.1cb778b1-58b6-4ebe-b7cd-07dc31fb89ba.svs					1
tcga-hc-8265-11a-01-ts1.f58acca6-2745-4614-a143-c8f65e27ec31.svs					1
					NA's
					494

patient.samples.sample.4.portions.portion.slides.slide.is_derived_from_ffpe:

					no NA's
	4				494

patient.samples.sample.4.portions.portion.slides.slide.section_location:

					top NA's
	4				494

patient.samples.sample.4.portions.portion.weight:

	62	70	72	77	NA's
	1	1	1	1	494

patient.samples.sample.4.portions.portion.year_of_creation:

	2011	2012			NA's
	1	3			494

patient.samples.sample.4.sample_type:

	solid	tissue	normal		NA's
				4	494

patient.samples.sample.4.sample_type_id:

					11 NA's
	4				494

patient.samples.sample.4.shortest_dimension:

	0.3	0.4			NA's
	1	3			494

patient.samples.sample.4.vial_number:

a NA's
4 494

patient.samples.sample.days_to_collection:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
64.0	238.5	605.5	941.7	1318.8	4724.0	220

patient.samples.sample.diagnostic_slides.ffpe_slide_uuid.5:

6e2cb3cf-f856-4c91-adf8-739a179a5c8c	7a4d2c8e-f68e-4c22-8808-fbb9a634db93	1	1
c3fd0e07-99d5-4786-9cfc-01b8fc5ac4e4	c484e378-ef4c-4f91-acc0-53ffc48f166f	1	1
	NA's		
	494		

patient.samples.sample.diagnostic_slides.ffpe_slide_uuid.6:

1aa896b6-f5ca-4394-bdc0-7b0b9686854f	31684eb7-1659-4aef-a5d9-8e53b921e75a	1	1
3645edb2-41d8-4b5f-9a4e-a11c1d354435			NA's
		1	495

patient.samples.sample.diagnostic_slides.ffpe_slide_uuid.7:

9194d7b4-3062-45d7-bc0c-3ca0fea0a5a7	c8756796-ed65-47b2-a66e-c48a6cf345c1	1	1
		NA's	
		496	

patient.samples.sample.diagnostic_slides.ffpe_slide_uuid.8:

4ff9463c-c78f-49bb-a073-b93b5722d705	cb4eec3a-9457-40ab-866a-d9c41fa48ac4	1	1
		NA's	
		496	

patient.samples.sample.diagnostic_slides.ffpe_slide_uuid.9:

2527cb7f-2878-4d99-b81d-4f66b178dff7			NA's
		1	497

patient.samples.sample.initial_weight:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
10.0	70.0	140.0	229.8	250.0	2630.0	190

patient.samples.sample.intermediate_dimension:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0.1000	0.4000	0.7000	0.7053	0.9000	1.8000	309

```
patient.samples.sample.is_ffpe:
no
498
```

```
patient.samples.sample.longest_dimension:
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.   NA's
0.300  0.900   1.100   1.164  1.400   2.500   309
```

```
patient.samples.sample.oct_embedded:
false true NA's
  40   269   189
```

```
patient.samples.sample.portions.portion.analytes.analyte.2.a260_a280_ratio:
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.   NA's
0.820  1.800   1.840   1.841  1.890   2.210   81
```

```
patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.2.bo
case matched expression control                                     NA's
                               1                                     497
```

```
patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.2.bi
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.
1.210e+08 1.507e+08 1.641e+08 3.467e+08 1.742e+08 1.076e+09
```

```
patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.2.ce
  7 13
302 196
```

```
patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.2.co
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.
0.1300 0.1500  0.1600  0.1612 0.1700  0.1800
```

```
patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.2.da
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.
  4.00   18.00   25.00   21.53   28.00   30.00
```

```
patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.2.is
no
498
```

```
patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.2.mo
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.
  1.000   2.000   5.000   4.747   6.000  12.000
```

```
patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.2.pl
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.
  1.000   2.000   5.000   4.584   7.000  10.000
```

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.2.qu
 Min. 1st Qu. Median Mean 3rd Qu. Max.
 1.730 2.130 3.000 2.835 3.400 4.540

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.2.so
 22 23
 178 320

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.2.vo
 13 13.3 20 26.7
 124 113 196 65

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.2.ye
 2011 2012 2013 2014
 101 87 148 162

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.3.bi
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 150756964 160750855 164082168 160750880 164082191 164082235 490

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.3.ce
 7 13 NA's
 2 6 490

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.3.co
 0.15 0.16 0.17 0.18 NA's
 1 3 2 2 490

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.3.da
 2 29 NA's
 2 6 490

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.3.is
 no NA's
 8 490

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.3.mo
 1 10 NA's
 6 2 490

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.3.pl
 2 3 4 5 NA's
 4 1 1 2 490

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.3.pl
 a32y a360 NA's
 2 6 490

```

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.3.qu
  Min. 1st Qu.  Median      Mean 3rd Qu.    Max.    NA's
  2.080  3.178  3.730  3.449  4.018  4.190    490

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.3.so
  23 NA's
  8 490

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.3.vo
  13 23.3 NA's
  2  6 490

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.3.ye
2013 2014 NA's
  2  6 490

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.bcr_
case matched expression control                                     NA's
                                     1                                     497

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.bios
  Min.  1st Qu.  Median      Mean  3rd Qu.    Max.
1.070e+08 1.323e+08 1.641e+08 3.118e+08 1.742e+08 1.076e+09

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.cent
  7 13
196 302

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.conc
  Min. 1st Qu.  Median      Mean 3rd Qu.    Max.
  0.1300 0.1500 0.1600 0.1612 0.1700 0.1800

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.day_
  Min. 1st Qu.  Median      Mean 3rd Qu.    Max.
  4.00  18.00  25.00  21.53  28.00  30.00

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.is_d
no
498

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.mont
  Min. 1st Qu.  Median      Mean 3rd Qu.    Max.
  1.000  2.000  5.000  4.747  6.000 12.000

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.plat
  Min. 1st Qu.  Median      Mean 3rd Qu.    Max.
  1.000  2.000  4.000  4.508  7.000 10.000

```

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.quant
 Min. 1st Qu. Median Mean 3rd Qu. Max.
 1.820 2.210 3.000 2.764 3.200 3.600

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.sour
 22 23
 178 320

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.vol
 13 20
 196 302

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.year
 2011 2012 2013 2014
 101 87 148 162

patient.samples.sample.portions.portion.analytes.analyte.2.amount:
 Min. 1st Qu. Median Mean 3rd Qu. Max.
 4.20 22.42 38.39 61.14 76.65 379.80

patient.samples.sample.portions.portion.analytes.analyte.2.analyte_type:
 rna
 498

patient.samples.sample.portions.portion.analytes.analyte.2.analyte_type_id:
 r
 498

patient.samples.sample.portions.portion.analytes.analyte.2.concentration:
 Min. 1st Qu. Median Mean 3rd Qu. Max.
 0.1300 0.1500 0.1600 0.1612 0.1700 0.1800

patient.samples.sample.portions.portion.analytes.analyte.2.gel_image_file:
<https://sharedoc.nchri.org/tcga-bcr/default.aspx>
 498

patient.samples.sample.portions.portion.analytes.analyte.2.is_derived_from_ffpe:
 no
 498

patient.samples.sample.portions.portion.analytes.analyte.2.protocols.protocol.ex
 mirvana (allprep dna) rna
 498

patient.samples.sample.portions.portion.analytes.analyte.2.rna.ratio_28s_18s:
 Min. 1st Qu. Median Mean 3rd Qu. Max.
 0.040 1.230 1.450 1.449 1.670 2.310

patient.samples.sample.portions.portion.analytes.analyte.2.rna.rinvalue:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.
7.000	7.800	8.300	8.356	8.900	10.000

patient.samples.sample.portions.portion.analytes.analyte.2.spectrophotometer_method
uv spec
498

patient.samples.sample.portions.portion.analytes.analyte.2.subportion_sequence:
1 2 3 NA's
395 35 1 67

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1.210e+08	1.539e+08	1.678e+08	3.696e+08	1.752e+08	1.062e+09	73

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.centers
8 NA's
425 73

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.concentration
0.5 NA's
425 73

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
8.00	8.00	21.00	17.96	24.00	30.00	73

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.is_diluted
no NA's
425 73

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1.000	3.000	7.000	5.379	7.000	10.000	73

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1.000	3.000	6.000	5.824	8.000	12.000	73

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.quantity
40 NA's
425 73

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.sources
22 23 NA's
172 253 73

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.volume

```

      80 NA's
425    73

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.year
2011 2012 2013 2014 NA's
101    71    89   164    73

patient.samples.sample.portions.portion.analytes.analyte.3.amount:
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.   NA's
137.0  159.0   171.0   172.1  187.0   225.0   326

patient.samples.sample.portions.portion.analytes.analyte.3.analyte_type:
repli-g (qiagen) dna                NA's
                425                    73

patient.samples.sample.portions.portion.analytes.analyte.3.analyte_type_id:
  w NA's
425    73

patient.samples.sample.portions.portion.analytes.analyte.3.concentration:
  0.5 NA's
172   326

patient.samples.sample.portions.portion.analytes.analyte.3.dna.normal_tumor_genom
yes NA's
425    73

patient.samples.sample.portions.portion.analytes.analyte.3.dna.pcr_amplification
no  yes NA's
172 253   73

patient.samples.sample.portions.portion.analytes.analyte.3.gel_image_file:
https://sharedoc.nchri.org/tcga-bcr/default.aspx
                425
                NA's
                73

patient.samples.sample.portions.portion.analytes.analyte.3.is_derived_from_ffpe:
no NA's
425    73

patient.samples.sample.portions.portion.analytes.analyte.3.protocols.protocol.ex
repli-g repli-g x    NA's
    419         6     73

patient.samples.sample.portions.portion.analytes.analyte.3.spectrophotometer_met
picogreen  uv spec    NA's
    107         65     326

patient.samples.sample.portions.portion.analytes.analyte.3.subportion_sequence:

```


1	2	3	NA's
326	31	1	140

patient.samples.sample.portions.portion.analytes.analyte.a260_a280_ratio:

1.8	1.9	2	NA's
2	85	7	404

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.2.bios

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.
1.136e+08	1.323e+08	1.641e+08	3.119e+08	1.742e+08	1.076e+09

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.2.cent

1	8
120	378

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.2.conc

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.
0.05000	0.07000	0.08000	0.09225	0.09000	0.17000

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.2.day_

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.
4.00	12.00	25.00	20.66	28.00	30.00

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.2.is_d

no
498

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.2.mont

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.
1.000	1.000	2.000	3.952	5.000	12.000

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.2.plat

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.
1.000	3.000	6.000	5.576	8.000	12.000

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.2.quant

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.
0.870	2.800	3.000	2.602	3.200	3.600

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.2.sour

22	23
178	320

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.2.vol

6.67	40	60
120	320	58

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.2.year

2011 2012 2013 2014
 101 87 112 198

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.3.bios
 Min. 1st Qu. Median Mean 3rd Qu. Max.
 1.070e+08 1.323e+08 1.603e+08 2.708e+08 1.742e+08 1.054e+09

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.3.cent
 5 8
 378 120

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.3.conc
 Min. 1st Qu. Median Mean 3rd Qu. Max.
 0.0500 0.1300 0.1500 0.1296 0.1600 0.1700

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.3.day_
 Min. 1st Qu. Median Mean 3rd Qu. Max.
 4.00 18.00 24.00 21.49 28.00 30.00

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.3.is_d
 no
 498

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.3.mont
 Min. 1st Qu. Median Mean 3rd Qu. Max.
 1.000 2.000 5.000 4.747 6.000 12.000

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.3.plat
 Min. 1st Qu. Median Mean 3rd Qu. Max.
 1.000 3.000 6.000 5.516 8.000 12.000

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.3.quant
 Min. 1st Qu. Median Mean 3rd Qu. Max.
 1.730 1.950 2.080 2.125 2.080 3.000

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.3.sour
 22 23
 178 320

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.3.vol
 13 13.3 40 60
 320 58 65 55

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.3.year
 2011 2012 2013 2014
 101 87 148 162

```

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.4.bios
  Min. 1st Qu.  Median      Mean 3rd Qu.  Max.  NA's
1.070e+08 1.210e+08 1.050e+09 6.840e+08 1.050e+09 1.054e+09 364

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.4.cent
  1      5 NA's
14 120 364

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.4.conc
  Min. 1st Qu.  Median      Mean 3rd Qu.  Max.  NA's
0.1300 0.1400 0.1500 0.1501 0.1600 0.1700 364

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.4.day_
  Min. 1st Qu.  Median      Mean 3rd Qu.  Max.  NA's
3.00  4.50  23.00  17.51  23.00  25.00  364

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.4.is_d
  no NA's
134 364

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.4.mont
  Min. 1st Qu.  Median      Mean 3rd Qu.  Max.  NA's
1.000  2.000  2.000  3.634  5.000  9.000  364

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.4.plat
  Min. 1st Qu.  Median      Mean 3rd Qu.  Max.  NA's
1.000  2.000  3.000  3.843  5.750  9.000  364

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.4.quant
  Min. 1st Qu.  Median      Mean 3rd Qu.  Max.  NA's
0.940  1.860  2.260  2.907  4.010  4.540  364

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.4.sour
  22  23 NA's
120 14 364

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.4.volu
  6.7  8 13.3 26.7 NA's
  1 13 55 65 364

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.4.year
2011 2012 2013 2014 NA's
  99  21  13  1 364

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.5.bcr_
tcga-hc-7079-01a-11d-a46a-09 tcga-hi-7169-01a-11d-a46a-09
  1 1
  NA's
  496

```

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.5.bcr_55b25361-3bb0-4b45-bbad-6aeba67b5820 a4b5f31f-4a30-4987-ae81-820c791767dd

1 1
NA's
496

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.5.bios167811779 167811803 NA's

1 1 496

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.5.cent

9 NA's
2 496

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.5.conc0.07 NA's

2 496

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.5.day_

21 NA's
2 496

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.5.is_d

no NA's
2 496

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.5.mont

1 NA's
2 496

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.5.plat

2 NA's
2 496

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.5.plat
a46a NA's

2 496

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.5.plat

c e NA's
1 1 496

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.5.quant
0.94 NA's

2 496

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.5.sour

23 NA's
2 496

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.5.vol

13.4 NA's
2 496

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.5.years
2015 NA's
2 496

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.biospe
Min. 1st Qu. Median Mean 3rd Qu. Max.
1.136e+08 1.456e+08 1.641e+08 3.123e+08 1.742e+08 1.076e+09

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.center
1 2
378 120

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.concen
0.13 0.14 0.15 0.16 0.17
16 86 163 164 69

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.day_of
Min. 1st Qu. Median Mean 3rd Qu. Max.
4.00 12.00 25.00 20.66 28.00 30.00

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.is_der
no
498

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.month_
Min. 1st Qu. Median Mean 3rd Qu. Max.
1.000 1.000 2.000 3.952 5.000 12.000

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.plate_
Min. 1st Qu. Median Mean 3rd Qu. Max.
1.000 2.000 6.000 5.504 8.000 12.000

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.quantit
Min. 1st Qu. Median Mean 3rd Qu. Max.
0.870 1.010 1.070 1.232 1.140 2.260

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.source
22 23
178 320

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.volume
6.67 6.7 10 13.3
58 320 37 83

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.year_o

2011 2012 2013 2014
 101 87 112 198

patient.samples.sample.portions.portion.analytes.analyte.amount:
 Min. 1st Qu. Median Mean 3rd Qu. Max.
 6.88 21.34 32.38 80.26 116.60 456.30

patient.samples.sample.portions.portion.analytes.analyte.analyte_type:
 dna
 498

patient.samples.sample.portions.portion.analytes.analyte.analyte_type_id:
 d
 498

patient.samples.sample.portions.portion.analytes.analyte.concentration:
 0.13 0.14 0.15 0.16 0.17
 18 86 160 165 69

patient.samples.sample.portions.portion.analytes.analyte.dna.normal_tumor_genoty
 yes
 498

patient.samples.sample.portions.portion.analytes.analyte.dna.pcr_amplification_s
 no yes
 183 315

patient.samples.sample.portions.portion.analytes.analyte.gel_image_file:
<https://sharedoc.nchri.org/tcga-bcr/default.aspx>
 498

patient.samples.sample.portions.portion.analytes.analyte.is_derived_from_ffpe:
 no
 498

patient.samples.sample.portions.portion.analytes.analyte.protocols.protocol.expe
 adna preparation type
 498

patient.samples.sample.portions.portion.analytes.analyte.spectrophotometer_metho
 picogreen uv spec
 404 94

patient.samples.sample.portions.portion.analytes.analyte.subportion_sequence:
 1 2 3 NA's
 395 35 1 67

patient.samples.sample.portions.portion.day_of_creation:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.
1.00	8.00	14.00	14.65	20.75	31.00

patient.samples.sample.portions.portion.is_ffpe:
no
498

patient.samples.sample.portions.portion.lce:
lce NA's
2 496

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.
1.000	3.000	8.000	7.153	11.000	12.000

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.
1.00	11.00	11.00	12.38	11.00	61.00

patient.samples.sample.portions.portion.portion_sequence:
1 2 3 6 NA's
165 17 13 2 301

patient.samples.sample.portions.portion.slides.slide.2.is_derived_from_ffpe:
no NA's
115 383

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0.000	0.000	2.000	1.478	2.000	5.000	406

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0.0000	0.0000	0.0000	0.3587	0.0000	7.0000	406

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0.0000	0.0000	0.0000	0.5391	0.0000	15.0000	383

0	1	2	NA's
89	1	2	406

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0.00	5.00	10.00	11.96	20.00	30.00	389

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's

5.0	15.0	15.0	19.7	25.0	58.0	389
-----	------	------	------	------	------	-----

patient.samples.sample.portions.portion.slides.slide.2.percent_tumor_cells:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
25.00	60.00	70.00	68.01	75.00	90.00	389

patient.samples.sample.portions.portion.slides.slide.2.percent_tumor_nuclei:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
55.00	65.00	75.00	73.55	80.00	95.00	383

patient.samples.sample.portions.portion.slides.slide.2.section_location:

top	NA's
115	383

patient.samples.sample.portions.portion.slides.slide.is_derived_from_ffpe:

no
498

patient.samples.sample.portions.portion.slides.slide.percent_lymphocyte_infiltra

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0.000	0.000	0.000	6.368	3.000	100.000	74

patient.samples.sample.portions.portion.slides.slide.percent_monocyte_infiltrati

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0.000	0.000	0.000	2.279	0.000	20.000	75

patient.samples.sample.portions.portion.slides.slide.percent_necrosis:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0.0000	0.0000	0.0000	0.4327	0.0000	20.0000	8

patient.samples.sample.portions.portion.slides.slide.percent_neutrophil_infiltra

0	1	2	20	NA's
346	20	11	47	74

patient.samples.sample.portions.portion.slides.slide.percent_normal_cells:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0.00	0.00	5.00	10.18	15.00	70.00	16

patient.samples.sample.portions.portion.slides.slide.percent_stromal_cells:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0.0	13.0	20.0	22.6	30.0	80.0	16

patient.samples.sample.portions.portion.slides.slide.percent_tumor_cells:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0	55	70	66	80	100	16

patient.samples.sample.portions.portion.slides.slide.percent_tumor_nuclei:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0.00	65.00	75.00	73.21	80.00	100.00	7


```
patient.samples.sample.portions.portion.slides.slide.section_location:
bottom    top
   115    383
```

```
patient.samples.sample.portions.portion.weight:
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.   NA's
 10.00  30.00   30.00   30.12  30.00   60.00    3
```

```
patient.samples.sample.portions.portion.year_of_creation:
2010 2011 2012 2013 2014
   34  128   48  200   88
```

```
patient.samples.sample.portions.shipment_portion.center_id:
  20 NA's
 352  146
```

```
patient.samples.sample.portions.shipment_portion.is_ffpe:
  no NA's
 352  146
```

```
patient.samples.sample.portions.shipment_portion.portion_number:
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.   NA's
 11.00  21.00   21.00   20.58  21.00   51.00   146
```

```
patient.samples.sample.portions.shipment_portion.portion_sequence:
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.   NA's
  1.00   2.00   2.00   1.94   2.00   5.00   230
```

```
patient.samples.sample.portions.shipment_portion.shipment_portion_day_of_shipmen
  3   24 NA's
 164 188 146
```

```
patient.samples.sample.portions.shipment_portion.shipment_portion_month_of_shipm
  6 NA's
 352 146
```

```
patient.samples.sample.portions.shipment_portion.shipment_portion_year_of_shipme
2013 2014 NA's
 164 188 146
```

```
patient.samples.sample.sample_type:
primary tumor
          498
```

```
patient.samples.sample.sample_type_id:
  1
 498
```

```

patient.samples.sample.shortest_dimension:
  Min. 1st Qu.  Median    Mean 3rd Qu.  Max.   NA's
  0.1000 0.2000  0.3000  0.3132 0.4000  0.8000  309

```

```

patient.samples.sample.vial_number:
  a  b
484 14

```

```

SCNA_cluster:
More_SCNA  Quiet  Some_SCNA  NA's
      108      58      167      165

```

```

iCluster:
  1  2  3 NA's
85 109 139 165

```

```

mRNA_cluster:
  1  2  3 NA's
112 105 116 165

```

```

methylation_cluster:
  1  2  3  4 NA's
41 110 101 81 165

```

```

RPPA_cluster:
  1  2  3 NA's
52 39 55 352

```

```

miRNA_cluster:
  Min. 1st Qu.  Median    Mean 3rd Qu.  Max.   NA's
  1.000  1.000  2.000  2.918  5.000  6.000  168

```

```

ERG_status:
fusion  none  NA's
  152   181   165

```

```

ETV1_status:
fusion  high  none  NA's
  17    12  304  165

```

```

ETV4_status:
fusion  high  none  NA's
  10     6  317  165

```

```

FLI1_status:
fusion  high  none  NA's
   2     2  329  165

```

```

SPOP_mut:
  0  1 NA's
296 37 165

```

```
FOXA1_mut:
  0    1 NA's
320  13 165
```

```
MED12_mut:
  0    1 NA's
327   6 165
```

```
IDH1_mut:
  0    1 NA's
330   3 165
```

READ	<i>Rectum adenocarcinoma</i>
------	------------------------------

Description

A document describing the TCGA cancer code

Details

```
> experiments( READ )
ExperimentList class object of length 13:
 [1] CNASeq-20160128: RaggedExperiment with 56380 rows and 70 columns
 [2] CNASNP-20160128: RaggedExperiment with 156806 rows and 316 columns
 [3] CNVSNP-20160128: RaggedExperiment with 35765 rows and 316 columns
 [4] GISTIC_AllByGene-20160128: SummarizedExperiment with 24776 rows and 165 columns
 [5] GISTIC_ThresholdedByGene-20160128: SummarizedExperiment with 24776 rows and 165 columns
 [6] Methylation_methyl27-20160128: SummarizedExperiment with 27578 rows and 73 columns
 [7] Methylation_methyl450-20160128: SummarizedExperiment with 485577 rows and 165 columns
 [8] miRNASeqGene-20160128: SummarizedExperiment with 705 rows and 76 columns
 [9] mRNAArray-20160128: SummarizedExperiment with 17814 rows and 72 columns
[10] Mutation-20160128: RaggedExperiment with 22075 rows and 69 columns
[11] RNASeq2GeneNorm-20160128: SummarizedExperiment with 20501 rows and 72 columns
[12] RNASeqGene-20160128: SummarizedExperiment with 20502 rows and 72 columns
[13] RPPAArray-20160128: SummarizedExperiment with 208 rows and 131 columns

> rownames( READ )
CharacterList of length 13
[["CNASeq-20160128"]] character(0)
[["CNASNP-20160128"]] character(0)
[["CNVSNP-20160128"]] character(0)
[["GISTIC_AllByGene-20160128"]] ACAP3 ACTRT2 ... WASIR1|ENSG00000185203.7
[["GISTIC_ThresholdedByGene-20160128"]] ACAP3 ... WASIR1|ENSG00000185203.7
[["Methylation_methyl27-20160128"]] cg00000292 cg00002426 ... cg27665659
[["Methylation_methyl450-20160128"]] cg00000029 cg00000108 ... rs9839873
[["miRNASeqGene-20160128"]] hsa-let-7a-1 hsa-let-7a-2 ... hsa-mir-99b
[["mRNAArray-20160128"]] ELMO2 CREB3L1 RPS11 PNMA1 ... SLC39A6 SNRPD2 AQP7 CTSC
[["Mutation-20160128"]] character(0)
```

```

...
<3 more elements>

> colnames( READ )
CharacterList of length 13
[["CNASeq-20160128"]] TCGA-AF-2691-01A-01D-1167-02 ...
[["CNASNP-20160128"]] TCGA-AF-2687-01A-02D-1732-01 ...
[["CNVSNP-20160128"]] TCGA-AF-2687-01A-02D-1732-01 ...
[["GISTIC_AllByGene-20160128"]] TCGA-AF-2687-01A-02D-1732-01 ...
[["GISTIC_ThresholdedByGene-20160128"]] TCGA-AF-2687-01A-02D-1732-01 ...
[["Methylation_methyl27-20160128"]] TCGA-AF-2689-11A-01D-1552-05 ...
[["Methylation_methyl450-20160128"]] TCGA-AF-2687-01A-02D-1734-05 ...
[["miRNASeqGene-20160128"]] TCGA-AF-2687-01A-02T-1735-13 ...
[["mRNAArray-20160128"]] TCGA-AF-2689-11A-01R-1758-07 ...
[["Mutation-20160128"]] TCGA-AF-2689-01A-01W-0831-10 ... TCGA-AG-A036-01
...
<3 more elements>

```

Sizes of each ExperimentList element:

	assay	size.Mb
1	CNASeq-20160128	1.5 Mb
2	CNASNP-20160128	4.3 Mb
3	CNVSNP-20160128	1.1 Mb
4	GISTIC_AllByGene-20160128	4.3 Mb
5	GISTIC_ThresholdedByGene-20160128	4.3 Mb
6	Methylation_methyl27-20160128	4.4 Mb
7	Methylation_methyl450-20160128	67.4 Mb
8	miRNASeqGene-20160128	0.1 Mb
9	mRNAArray-20160128	1 Mb
10	Mutation-20160128	9.1 Mb
11	RNASeq2GeneNorm-20160128	1.1 Mb
12	RNASeqGene-20160128	1.1 Mb
13	RPPAArray-20160128	0 Mb

Overall survival time-to-event summary (in years):

```

Call: survfit(formula = survival::Surv(colDat$days_to_death/365, colDat$vital_status - 1)

```

```

      142 observations deleted due to missingness
      n events median 0.95LCL 0.95UCL
27.00  27.00   2.00   1.44   3.25

```

Available sample meta-data:

```

years_to_birth:
  Min. 1st Qu.  Median    Mean 3rd Qu.  Max.
  31.00  57.00   66.00   64.37  72.00   90.00

vital_status:
  0  1
141 28

days_to_death:
  Min. 1st Qu.  Median    Mean 3rd Qu.  Max.  NA's
  59.0  347.5   730.0   786.1 1193.0 1741.0  142

days_to_last_followup:
  Min. 1st Qu.  Median    Mean 3rd Qu.  Max.  NA's
  0.0  366.0   625.0   779.5 1096.0 3932.0  28

tumor_tissue_site:
rectum  NA's
  166    3

pathology_M_stage:
  m0  m1  m1a  mx NA's
 128  22   2  14   3

gender:
female  male
   77   92

date_of_initial_pathologic_diagnosis:
  Min. 1st Qu.  Median    Mean 3rd Qu.  Max.
 1999   2007   2009   2008   2010   2012

days_to_last_known_alive:
  Min. 1st Qu.  Median    Mean 3rd Qu.  Max.  NA's
  31.0  292.2   863.0 1420.1 2214.5 3667.0  161

radiation_therapy:
  no  yes NA's
 114  22  33

histological_type:
      rectal adenocarcinoma  rectal mucinous adenocarcinoma
                        150                                13
                        NA's
                        6

tumor_stage:
stage iia  NA's
   1      168

```

residual_tumor:

r0	r1	r2	rx	NA's
126	2	12	5	24

number_of_lymph_nodes:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0.000	0.000	0.000	2.692	3.000	31.000	10

ethnicity:

hispanic or latino	not hispanic or latino	NA's
1	84	84

admin.bcr:

nationwide children's hospital	169
--------------------------------	-----

admin.day_of_dcc_upload:

1	10
168	1

admin.disease_code:

read	169
------	-----

admin.month_of_dcc_upload:

7	10
1	168

admin.patient_withdrawal.withdrawn:

false	169
-------	-----

admin.project_code:

tcga	169
------	-----

admin.year_of_dcc_upload:

2015	169
------	-----

patient.age_at_initial_pathologic_diagnosis:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.
31.00	57.00	66.00	64.37	72.00	90.00

patient.anatomic_neoplasm_subdivision:

rectosigmoid junction	rectum	sigmoid colon
50	112	5
NA's		
2		

patient.braf_gene_analysis_performed:

no	yes	NA's
142	8	19

patient.braf_gene_analysis_result:

normal	NA's
7	162

patient.circumferential_resection_margin:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0.00	2.00	10.00	14.57	22.00	70.00	116

patient.clinical_cqcf.consent_or_death_status:

consented
169

patient.clinical_cqcf.days_to_consent:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.
-22.00	0.00	0.00	25.01	30.00	1384.00

patient.clinical_cqcf.frozen_specimen_anatomic_site:

rectosigmoid junction	rectum	sigmoid colon
50	114	5

patient.clinical_cqcf.histological_type:

rectal adenocarcinoma	rectal mucinous adenocarcinoma
150	14
NA's	
5	

patient.clinical_cqcf.history_of_neoadjuvant_treatment:

no
168
yes, pharmaceutical treatment prior to resection
1

patient.clinical_cqcf.history_of_prior_malignancy:

no	yes, history of prior malignancy
159	10

patient.clinical_cqcf.normal_tissue_anatomic_site:

other	rectum	sigmoid colon	NA's
21	7	6	135

patient.clinical_cqcf.normal_tissue_proximity:

distal (>2cm)	NA's
26	143

patient.clinical_cqcf.other_anatomic_site_normal_tissue:

blood	NA's
-------	------

5 164

patient.clinical_cqcf.tumor_type:
primary
169

patient.colon_polyps_present:
no yes NA's
64 12 93

patient.day_of_form_completion:
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
1.00 15.00 18.00 16.65 18.00 31.00 11

patient.days_to_birth:
Min. 1st Qu. Median Mean 3rd Qu. Max.
-32873 -26542 -24167 -23672 -21093 -11381

patient.days_to_death:
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
59.0 556.0 992.0 961.6 1432.0 1741.0 160

patient.days_to_initial_pathologic_diagnosis:
0
169

patient.days_to_last_followup:
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
0.0 2.5 31.0 244.9 224.5 3667.0 6

patient.days_to_last_known_alive:
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
31.0 292.2 863.0 1420.1 2214.5 3667.0 161

patient.drugs.drug.10.bcr_drug_barcode:
tcga-af-2689-d3028 tcga-af-3914-d41489 tcga-dc-6156-d44758 tcga-f5-6571-d65923
1 1 1 1
NA's
165

patient.drugs.drug.10.bcr_drug_uuid:
45c103ca-fafa-4be8-96bb-786e15d2d8ca 4d891da7-ccc2-4b3e-b531-0bbd6385e6a6
1 1
55f67205-87d7-49df-85d4-77dba50b9a0a a35156fa-affb-498c-ae11-e35ecc46908e
1 1
NA's
165

patient.drugs.drug.10.day_of_form_completion:
1 5 19 26 NA's
1 1 1 1 165


```

patient.drugs.drug.10.days_to_drug_therapy_end:
  344  761 1024 NA's
    1    1    1  166

patient.drugs.drug.10.days_to_drug_therapy_start:
  316  395  924 1255 NA's
    1    1    1    1  165

patient.drugs.drug.10.drug_name:
                                     bevacizumab
                                     1
fluorouracil iv continuous infusion over 46 hours
                                     1
                                     leucovorin
                                     1
                                     oxaliplatin
                                     1
                                     NA's
                                     165

patient.drugs.drug.10.measure_of_response:
clinical progressive disease          stable disease
                                     1                               1
                                     NA's
                                     167

patient.drugs.drug.10.month_of_form_completion:
  3    6   10   11 NA's
  1    1    1    1  165

patient.drugs.drug.10.number_cycles:
  3 NA's
  1  168

patient.drugs.drug.10.prescribed_dose:
568-576    NA's
    1      168

patient.drugs.drug.10.prescribed_dose_units:
mg NA's
  1  168

patient.drugs.drug.10.regimen_indication:
progression    NA's
              1    168

patient.drugs.drug.10.regimen_number:
  1 NA's
  1  168

patient.drugs.drug.10.route_of_administrations.route_of_administration:
intravenous (iv)    NA's

```

1 168

patient.drugs.drug.10.therapy_ongoing:

no yes NA's
3 1 165

patient.drugs.drug.10.therapy_types.therapy_type:

chemotherapy other, specify NA's
3 1 165

patient.drugs.drug.10.therapy_types.therapy_type_notes:

other ancillary-velour 10262 study- aflibercept/placebo (4mg/kg) every 2 weeks w

patient.drugs.drug.10.total_dose:

1716 NA's
1 168

patient.drugs.drug.10.total_dose_units:

mg NA's
1 168

patient.drugs.drug.10.tx_on_clinical_trial:

no NA's
3 166

patient.drugs.drug.10.year_of_form_completion:

2010 2013 2014 NA's
1 2 1 165

patient.drugs.drug.11.bcr_drug_barcode:

tcga-af-2689-d3307 tcga-f5-6571-d65924 NA's
1 1 167

patient.drugs.drug.11.bcr_drug_uuid:

5df65b50-c401-4ff5-af88-293a113e284a 82fa8f68-90f5-42e8-8abf-5a8c488d0f1e
1 1
NA's
167

patient.drugs.drug.11.day_of_form_completion:

1 12 NA's
1 1 167

patient.drugs.drug.11.days_to_drug_therapy_end:

559 NA's
1 168

patient.drugs.drug.11.days_to_drug_therapy_start:

379 1255 NA's

1 1 167

patient.drugs.drug.11.drug_name:
 fudr (floxuridine) gemcitabine NA's
 1 1 167

patient.drugs.drug.11.month_of_form_completion:
 10 11 NA's
 1 1 167

patient.drugs.drug.11.prescribed_dose:
 1135-1500 NA's
 1 168

patient.drugs.drug.11.prescribed_dose_units:
 mg NA's
 1 168

patient.drugs.drug.11.regimen_indication:
 progression NA's
 1 168

patient.drugs.drug.11.regimen_number:
 2 NA's
 1 168

patient.drugs.drug.11.route_of_administrations.route_of_administration:
 intravenous (iv) NA's
 1 168

patient.drugs.drug.11.therapy_ongoing:
 no yes NA's
 1 1 167

patient.drugs.drug.11.therapy_types.therapy_type:
 chemotherapy NA's
 2 167

patient.drugs.drug.11.total_dose_units:
 mg NA's
 1 168

patient.drugs.drug.11.tx_on_clinical_trial:
 no NA's
 1 168

patient.drugs.drug.11.year_of_form_completion:
 2010 2014 NA's
 1 1 167

patient.drugs.drug.12.bcr_drug_barcode:
 tcga-af-2689-d3308 NA's

	1	168	
patient.drugs.drug.12.bcr_drug_uuid:			
8c673e37-976e-454d-841d-a0888f2d93ed			NA's
	1		168
patient.drugs.drug.12.day_of_form_completion:			
12 NA's			
1 168			
patient.drugs.drug.12.days_to_drug_therapy_end:			
559 NA's			
1 168			
patient.drugs.drug.12.days_to_drug_therapy_start:			
379 NA's			
1 168			
patient.drugs.drug.12.drug_name:			
camptosar NA's			
1 168			
patient.drugs.drug.12.month_of_form_completion:			
11 NA's			
1 168			
patient.drugs.drug.12.prescribed_dose:			
330-430 NA's			
1 168			
patient.drugs.drug.12.prescribed_dose_units:			
mg NA's			
1 168			
patient.drugs.drug.12.regimen_indication:			
progression NA's			
1 168			
patient.drugs.drug.12.regimen_number:			
2 NA's			
1 168			
patient.drugs.drug.12.route_of_administrations.route_of_administration:			
intravenous (iv) NA's			
1 168			
patient.drugs.drug.12.therapy_ongoing:			
no NA's			
1 168			
patient.drugs.drug.12.therapy_types.therapy_type:			
chemotherapy NA's			

	1	168	
patient.drugs.drug.12.total_dose_units:			
			mg NA's
	1	168	
patient.drugs.drug.12.year_of_form_completion:			
			2010 NA's
	1	168	
patient.drugs.drug.13.bcr_drug_barcode:			
			tcga-af-2689-d3309 NA's
	1	168	
patient.drugs.drug.13.bcr_drug_uuid:			
			7eefebc0-11fd-4028-87c6-cab921f47ab3 NA's
			1 168
patient.drugs.drug.13.day_of_form_completion:			
			12 NA's
	1	168	
patient.drugs.drug.13.days_to_drug_therapy_end:			
			559 NA's
	1	168	
patient.drugs.drug.13.days_to_drug_therapy_start:			
			462 NA's
	1	168	
patient.drugs.drug.13.drug_name:			
			avastin NA's
	1	168	
patient.drugs.drug.13.month_of_form_completion:			
			11 NA's
	1	168	
patient.drugs.drug.13.prescribed_dose:			
			500-515 NA's
	1	168	
patient.drugs.drug.13.prescribed_dose_units:			
			mg NA's
	1	168	
patient.drugs.drug.13.regimen_indication:			
			progression NA's
	1	168	
patient.drugs.drug.13.regimen_number:			
			2 NA's

1 168

patient.drugs.drug.13.route_of_administrations.route_of_administration:
 intravenous (iv) NA's
 1 168

patient.drugs.drug.13.therapy_ongoing:
 no NA's
 1 168

patient.drugs.drug.13.therapy_types.therapy_type:
 targeted molecular therapy NA's
 1 168

patient.drugs.drug.13.total_dose_units:
 mg NA's
 1 168

patient.drugs.drug.13.year_of_form_completion:
 2010 NA's
 1 168

patient.drugs.drug.14.bcr_drug_barcode:
 tcga-af-2689-d4053 NA's
 1 168

patient.drugs.drug.14.bcr_drug_uuid:
 62a137f0-ba1f-4bfa-a6cc-cfe749a79ca4 NA's
 1 168

patient.drugs.drug.14.day_of_form_completion:
 24 NA's
 1 168

patient.drugs.drug.14.days_to_drug_therapy_end:
 559 NA's
 1 168

patient.drugs.drug.14.days_to_drug_therapy_start:
 379 NA's
 1 168

patient.drugs.drug.14.drug_name:
 leucovorin NA's
 1 168

patient.drugs.drug.14.month_of_form_completion:
 11 NA's
 1 168

patient.drugs.drug.14.prescribed_dose:
 710-760 NA's

1 168

patient.drugs.drug.14.prescribed_dose_units:
mg NA's
1 168

patient.drugs.drug.14.regimen_indication:
progression NA's
1 168

patient.drugs.drug.14.regimen_number:
2 NA's
1 168

patient.drugs.drug.14.route_of_administrations.route_of_administration:
intravenous (iv) NA's
1 168

patient.drugs.drug.14.therapy_ongoing:
no NA's
1 168

patient.drugs.drug.14.therapy_types.therapy_type:
other, specify NA's
1 168

patient.drugs.drug.14.therapy_types.therapy_type_notes:
ancillary NA's
1 168

patient.drugs.drug.14.total_dose_units:
mg NA's
1 168

patient.drugs.drug.14.year_of_form_completion:
2010 NA's
1 168

patient.drugs.drug.2.clinical_trail_drug_classification:
n/a NA's
15 154

patient.drugs.drug.2.day_of_form_completion:
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
4.00 5.00 7.00 12.06 18.00 29.00 121

patient.drugs.drug.2.days_to_drug_therapy_end:
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
61.0 207.0 254.0 338.3 345.5 1673.0 122

patient.drugs.drug.2.days_to_drug_therapy_start:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
17.0	52.0	68.0	180.6	185.0	1277.0	120

patient.drugs.drug.2.measure_of_response:

clinical progressive disease	complete response	16
partial response	stable disease	3
NA's		142

patient.drugs.drug.2.month_of_form_completion:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1.000	4.000	9.000	8.265	12.000	12.000	120

patient.drugs.drug.2.number_cycles:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
2.000	7.250	10.000	9.167	12.000	17.000	151

patient.drugs.drug.2.prescribed_dose_units:

mg	mg/m2	NA's
14	1	154

patient.drugs.drug.2.regimen_indication:

adjuvant other: specify in notes	palliative
13	1
progression	NA's
2	151

patient.drugs.drug.2.regimen_number:

1	2	NA's
14	3	152

patient.drugs.drug.2.route_of_administrations.route_of_administration:

intravenous (iv)	NA's
17	152

patient.drugs.drug.2.therapy_ongoing:

no	yes	NA's
47	2	120

patient.drugs.drug.2.therapy_types.therapy_type:

ancillary	chemotherapy
4	41
other, specify targeted molecular therapy	
3	1
NA's	
120	

patient.drugs.drug.2.therapy_types.therapy_type.2:
 other, specify NA's
 1 168

patient.drugs.drug.2.therapy_types.therapy_type_notes:

velour 10262 study- aflibercept/placebo (4mg/kg) every 2 weeks with irinotecan/5

patient.drugs.drug.2.total_dose:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 260 1678 4090 6243 11124 15200 155

patient.drugs.drug.2.total_dose_units:
 mg NA's
 14 155

patient.drugs.drug.2.tx_on_clinical_trial:
 no NA's
 31 138

patient.drugs.drug.2.year_of_form_completion:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 2010 2011 2012 2012 2012 2015 120

patient.drugs.drug.3.clinical_trail_drug_classification:
 n/a NA's
 10 159

patient.drugs.drug.3.day_of_form_completion:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 4.00 5.00 7.00 12.59 18.00 29.00 130

patient.drugs.drug.3.days_to_drug_therapy_end:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 61.0 202.5 240.5 259.3 269.8 952.0 131

patient.drugs.drug.3.days_to_drug_therapy_start:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 28.00 55.75 90.00 144.45 133.00 1095.00 129

patient.drugs.drug.3.measure_of_response:
 clinical progressive disease complete response
 4 11
 partial response stable disease
 2 3

NA's
149

patient.drugs.drug.3.month_of_form_completion:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1.000	4.000	9.000	8.025	12.000	12.000	129

patient.drugs.drug.3.number_cycles:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
3.00	9.00	11.00	10.12	12.00	17.00	152

patient.drugs.drug.3.prescribed_dose_units:

mg	mg/m2	NA's
14	1	154

patient.drugs.drug.3.regimen_indication:

adjuvant	palliative	progression	NA's
14	2	1	152

patient.drugs.drug.3.regimen_number:

1	2	NA's
12	4	153

patient.drugs.drug.3.route_of_administrations.route_of_administration:

intravenous (iv)	subcutaneous (sc)	NA's
15	1	153

patient.drugs.drug.3.therapy_ongoing:

no	yes	NA's
38	1	130

patient.drugs.drug.3.therapy_types.therapy_type:

ancillary	chemotherapy
2	30
other, specify targeted molecular therapy	
5	3
NA's	
129	

patient.drugs.drug.3.therapy_types.therapy_type_notes:

ancillary	NA's
4	165

patient.drugs.drug.3.total_dose:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
36	2838	7538	17364	32325	51786	155

patient.drugs.drug.3.total_dose_units:

mg	NA's
14	155

```

patient.drugs.drug.3.tx_on_clinical_trial:
  no NA's
  22 147

patient.drugs.drug.3.year_of_form_completion:
  Min. 1st Qu.  Median    Mean 3rd Qu.  Max.    NA's
  2010  2011    2012    2012  2012    2015    129

patient.drugs.drug.4.clinical_trail_drug_classification:
  n/a NA's
  3 166

patient.drugs.drug.4.day_of_form_completion:
  Min. 1st Qu.  Median    Mean 3rd Qu.  Max.    NA's
  4.00   7.00   13.00   15.17  26.00   29.00   146

patient.drugs.drug.4.days_to_drug_therapy_end:
  Min. 1st Qu.  Median    Mean 3rd Qu.  Max.    NA's
  73.0  234.0  263.0   321.4  324.0  952.0   146

patient.drugs.drug.4.days_to_drug_therapy_start:
  Min. 1st Qu.  Median    Mean 3rd Qu.  Max.    NA's
  28.0   54.5   91.0   162.1  197.0  847.0   146

patient.drugs.drug.4.measure_of_response:
clinical progressive disease          complete response
                                2                                2
                                partial response          stable disease
                                2                                2
                                NA's
                                161

patient.drugs.drug.4.month_of_form_completion:
  Min. 1st Qu.  Median    Mean 3rd Qu.  Max.    NA's
  1.000  4.500  8.000  7.783  11.000  12.000   146

patient.drugs.drug.4.number_cycles:
  Min. 1st Qu.  Median    Mean 3rd Qu.  Max.    NA's
  3.000  9.000  11.500  9.857  12.000  12.000   155

patient.drugs.drug.4.prescribed_dose_units:
  mg NA's
  13 156

patient.drugs.drug.4.regimen_indication:
  adjuvant  palliative  progression    NA's
           12           1           1           155

```

patient.drugs.drug.4.regimen_number:

1 2 NA's
9 4 156

patient.drugs.drug.4.route_of_administrations.route_of_administration:

intravenous (iv) NA's
14 155

patient.drugs.drug.4.therapy_ongoing:

no NA's
23 146

patient.drugs.drug.4.therapy_types.therapy_type:

ancillary	chemotherapy
1	19
other, specify targeted molecular therapy	
2	1
NA's	
146	

patient.drugs.drug.4.therapy_types.therapy_type.2:

other, specify NA's
1 168

patient.drugs.drug.4.therapy_types.therapy_type_notes:

velour 10262 study- aflibercept/placebo (4mg/kg) every 2 weeks with irinotecan/5

patient.drugs.drug.4.total_dose:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
850	2820	7225	17019	28850	61776	157

patient.drugs.drug.4.total_dose_units:

mg NA's
12 157

patient.drugs.drug.4.tx_on_clinical_trial:

no NA's
9 160

patient.drugs.drug.4.year_of_form_completion:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
2010	2011	2011	2012	2012	2015	146

patient.drugs.drug.5.clinical_trial_drug_classification:

n/a NA's

2 167

patient.drugs.drug.5.day_of_form_completion:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 4.00 5.00 11.50 13.17 19.00 28.00 157

patient.drugs.drug.5.days_to_drug_therapy_end:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 106.0 180.5 294.0 389.5 377.0 1096.0 158

patient.drugs.drug.5.days_to_drug_therapy_start:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 62.0 104.8 159.0 290.0 342.5 851.0 157

patient.drugs.drug.5.measure_of_response:
 clinical progressive disease complete response
 1 1
 partial response stable disease
 1 1
 NA's
 165

patient.drugs.drug.5.month_of_form_completion:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 2.000 4.750 8.000 7.833 11.250 12.000 157

patient.drugs.drug.5.number_cycles:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 3.000 6.000 8.000 7.857 10.000 12.000 162

patient.drugs.drug.5.prescribed_dose_units:
 mg NA's
 7 162

patient.drugs.drug.5.regimen_indication:
 adjuvant palliative progression NA's
 5 1 1 162

patient.drugs.drug.5.regimen_number:
 1 2 NA's
 3 4 162

patient.drugs.drug.5.route_of_administrations.route_of_administration:
 intravenous (iv) NA's
 7 162

patient.drugs.drug.5.therapy_ongoing:
 no yes NA's
 11 1 157

patient.drugs.drug.5.therapy_types.therapy_type:
 ancillary chemotherapy other, specify NA's
 1 10 1 157

patient.drugs.drug.5.therapy_types.therapy_type_notes:
 velour 10262 study- aflibercept/placebo (4mg/kg) every 2 weeks with irinotecan/5

patient.drugs.drug.5.total_dose:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 537 1910 7300 9577 10594 34193 162

patient.drugs.drug.5.total_dose_units:
 mg NA's
 7 162

patient.drugs.drug.5.tx_on_clinical_trial:
 no NA's
 5 164

patient.drugs.drug.5.year_of_form_completion:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 2010 2011 2012 2012 2012 2015 157

patient.drugs.drug.6.clinical_trail_drug_classification:
 n/a NA's
 1 168

patient.drugs.drug.6.day_of_form_completion:
 1 5 19 22 NA's
 1 2 1 1 164

patient.drugs.drug.6.days_to_drug_therapy_end:
 239 396 1134 1157 NA's
 1 1 1 1 165

patient.drugs.drug.6.days_to_drug_therapy_start:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 85.0 335.0 395.0 560.8 924.0 1065.0 164

patient.drugs.drug.6.drug_name:
 bevacizumab irinotecan oxaliplatin NA's
 3 1 1 164

patient.drugs.drug.6.measure_of_response:
 clinical progressive disease stable disease
 2 1
 NA's

166

patient.drugs.drug.6.month_of_form_completion:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
2.0	3.0	10.0	7.6	11.0	12.0	164

patient.drugs.drug.6.number_cycles:

6	10	NA's
1	1	167

patient.drugs.drug.6.prescribed_dose:

229.5 - 259.1	480	NA's
1	1	167

patient.drugs.drug.6.prescribed_dose_units:

mg	NA's
2	167

patient.drugs.drug.6.regimen_indication:

palliative	NA's
2	167

patient.drugs.drug.6.regimen_number:

1	2	NA's
1	1	167

patient.drugs.drug.6.route_of_administrations.route_of_administration:

intravenous (iv)	NA's
2	167

patient.drugs.drug.6.therapy_ongoing:

no	yes	NA's
4	1	164

patient.drugs.drug.6.therapy_types.therapy_type:

chemotherapy	immunotherapy
2	1
targeted molecular therapy	NA's
2	164

patient.drugs.drug.6.total_dose:

2363.5	2880	NA's
1	1	167

patient.drugs.drug.6.total_dose_units:

mg	NA's
2	167

patient.drugs.drug.6.tx_on_clinical_trial:

no	NA's
3	166

patient.drugs.drug.6.year_of_form_completion:

2010	2012	2013	2014	NA's
1	2	1	1	164

patient.drugs.drug.7.clinical_trial_drug_classification:

n/a	NA's
1	168

patient.drugs.drug.7.day_of_form_completion:

1	5	16	19	NA's
1	2	1	1	164

patient.drugs.drug.7.days_to_drug_therapy_end:

269	580	1022	1157	NA's
1	1	1	1	165

patient.drugs.drug.7.days_to_drug_therapy_start:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
85.0	365.0	427.0	573.2	924.0	1065.0	164

patient.drugs.drug.7.drug_name:

5fu fluorouracil	irinotecan	leucovorin	NA's
1	1	1	2
			164

patient.drugs.drug.7.measure_of_response:

clinical progressive disease	stable disease
1	2
NA's	
166	

patient.drugs.drug.7.month_of_form_completion:

3	10	11	12	NA's
2	1	1	1	164

patient.drugs.drug.7.number_cycles:

8	12	NA's
1	1	167

patient.drugs.drug.7.prescribed_dose:

320	3480-3648	NA's
1	1	167

patient.drugs.drug.7.prescribed_dose_units:

mg	NA's
2	167

patient.drugs.drug.7.regimen_indication:

palliative	NA's
2	167

patient.drugs.drug.7.regimen_number:

1	2	NA's
1	1	167

patient.drugs.drug.7.route_of_administrations.route_of_administration:

intravenous (iv)	NA's
2	167

patient.drugs.drug.7.therapy_ongoing:

no	yes	NA's
4	1	164

patient.drugs.drug.7.therapy_types.therapy_type:

ancillary	chemotherapy	NA's
2	3	164

patient.drugs.drug.7.total_dose:

2368	42192	NA's
1	1	167

patient.drugs.drug.7.total_dose_units:

mg	NA's
2	167

patient.drugs.drug.7.tx_on_clinical_trial:

no	NA's
3	166

patient.drugs.drug.7.year_of_form_completion:

2010	2012	2013	2014	NA's
1	2	1	1	164

patient.drugs.drug.8.clinical_trail_drug_classification:

n/a	NA's
1	168

patient.drugs.drug.8.day_of_form_completion:

1	5	16	19	NA's
1	2	1	1	164

patient.drugs.drug.8.days_to_drug_therapy_end:

267	580	1022	1157	NA's
1	1	1	1	165

patient.drugs.drug.8.days_to_drug_therapy_start:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
85.0	365.0	427.0	573.2	924.0	1065.0	164

patient.drugs.drug.8.measure_of_response:

clinical progressive disease	stable disease
1	2
NA's	
166	

patient.drugs.drug.8.month_of_form_completion:

3	10	11	12	NA's
2	1	1	1	164

patient.drugs.drug.8.number_cycles:

8	12	NA's
1	1	167

patient.drugs.drug.8.prescribed_dose:

100	580-608	NA's
1	1	167

patient.drugs.drug.8.prescribed_dose_units:

mg	NA's
2	167

patient.drugs.drug.8.regimen_indication:

palliative	NA's
2	167

patient.drugs.drug.8.regimen_number:

1	2	NA's
1	1	167

patient.drugs.drug.8.route_of_administrations.route_of_administration:

intravenous (iv)	NA's
2	167

patient.drugs.drug.8.therapy_ongoing:

no	yes	NA's
4	1	164

patient.drugs.drug.8.therapy_types.therapy_type:

chemotherapy	NA's
5	164

patient.drugs.drug.8.total_dose:

740	7032	NA's
1	1	167

patient.drugs.drug.8.total_dose_units:

mg	NA's
2	167

patient.drugs.drug.8.tx_on_clinical_trial:

no	NA's
3	166

patient.drugs.drug.8.year_of_form_completion:

2010	2012	2013	2014	NA's
1	2	1	1	164

patient.drugs.drug.9.clinical_trial_drug_classification:

n/a	NA's
1	168

patient.drugs.drug.9.day_of_form_completion:

1	5	16	19	NA's
1	2	1	1	164

patient.drugs.drug.9.days_to_drug_therapy_end:

344	580	1022	NA's
1	1	1	166

patient.drugs.drug.9.days_to_drug_therapy_start:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
316.0	365.0	427.0	619.4	924.0	1065.0	164

patient.drugs.drug.9.drug_name:

bevacizumab	fluorouracil	irinotecan	NA's
	1	2	2
			164

patient.drugs.drug.9.measure_of_response:

clinical	progressive disease	stable disease
	1	1
	NA's	
	167	

patient.drugs.drug.9.month_of_form_completion:

3	10	11	12	NA's
2	1	1	1	164

patient.drugs.drug.9.number_cycles:

3	8	NA's
1	1	167

patient.drugs.drug.9.prescribed_dose:

256-259	800	NA's
1	1	167

patient.drugs.drug.9.prescribed_dose_units:

mg	NA's
2	167

patient.drugs.drug.9.regimen_indication:

palliative	progression	NA's
1	1	167

patient.drugs.drug.9.regimen_number:

1 2 NA's
1 1 167

patient.drugs.drug.9.route_of_administrations.route_of_administration:

intravenous (iv) NA's
2 167

patient.drugs.drug.9.therapy_ongoing:

no yes NA's
3 2 164

patient.drugs.drug.9.therapy_types.therapy_type:

chemotherapy targeted molecular therapy
4 1
NA's
164

patient.drugs.drug.9.therapy_types.therapy_type.2:

other, specify NA's
1 168

patient.drugs.drug.9.therapy_types.therapy_type_notes:

velour 10262 study- aflibercept/placebo (4mg/kg) every 2 weeks with irinotecan/5

patient.drugs.drug.9.total_dose:

772 5920 NA's
1 1 167

patient.drugs.drug.9.total_dose_units:

mg NA's
2 167

patient.drugs.drug.9.tx_on_clinical_trial:

no NA's
3 166

patient.drugs.drug.9.year_of_form_completion:

2010 2012 2013 2014 NA's
1 2 1 1 164

patient.drugs.drug.clinical_trail_drug_classification:

n/a NA's
20 149

patient.drugs.drug.day_of_form_completion:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
2.00	5.00	7.00	13.21	26.00	30.00	92

patient.drugs.drug.days_to_drug_therapy_end:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
61.0	153.0	224.0	277.6	267.0	1673.0	100

patient.drugs.drug.days_to_drug_therapy_start:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
17.0	46.5	62.0	141.7	98.5	1277.0	94

patient.drugs.drug.measure_of_response:

clinical progressive disease	complete response
5	29
partial response	stable disease
3	3
NA's	
129	

patient.drugs.drug.month_of_form_completion:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1.000	3.250	9.000	7.833	12.000	12.000	91

patient.drugs.drug.number_cycles:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
3.00	6.00	11.00	9.36	12.00	17.00	144

patient.drugs.drug.regimen_indication:

adjuvant	palliative	progression	recurrence	NA's
27	3	1	2	136

patient.drugs.drug.regimen_number:

1	2	NA's
17	2	150

patient.drugs.drug.route_of_administrations.route_of_administration:

intravenous (iv)	oral	NA's
27	5	137

patient.drugs.drug.therapy_ongoing:

no	yes	NA's
68	7	94

patient.drugs.drug.therapy_types.therapy_type:

ancillary	chemotherapy
1	72
other, specify	targeted molecular therapy
4	1
NA's	

91

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patient.drugs.drug.therapy_types.therapy_type_notes:
  ancillary agent      leucovorin      NA's
    1                2                1                165

patient.drugs.drug.total_dose:
  Min. 1st Qu.  Median  Mean 3rd Qu.  Max.  NA's
  336   3088   7409  16713 10630  93000  153

patient.drugs.drug.total_dose_units:
g/day  mg  NA's
  1    24  144

patient.drugs.drug.tx_on_clinical_trial:
no NA's
  45  124

patient.drugs.drug.year_of_form_completion:
  Min. 1st Qu.  Median  Mean 3rd Qu.  Max.  NA's
  2010   2012   2012   2012   2012   2015   91

patient.ethnicity:
  hispanic or latino not hispanic or latino      NA's
    1                84                84

patient.follow_ups.follow_up.2.day_of_form_completion:
  Min. 1st Qu.  Median  Mean 3rd Qu.  Max.  NA's
  6.00  13.00  17.50  17.83  20.50  31.00  133

patient.follow_ups.follow_up.2.days_to_death:
  Min. 1st Qu.  Median  Mean 3rd Qu.  Max.  NA's
  334.0  512.0  524.0  633.8  598.0  1201.0  164

patient.follow_ups.follow_up.2.days_to_last_followup:
  Min. 1st Qu.  Median  Mean 3rd Qu.  Max.  NA's
  306.0  453.2  737.5  731.7  942.5  1309.0  139

patient.follow_ups.follow_up.2.followup_case_report_form_submission_reason:
  additional new tumor event scheduled follow-up submission
    3                31
  NA's
  135

patient.follow_ups.follow_up.2.followup_treatment_success:
complete remission/response      progressive disease
    12                4
  NA's
  153

```

patient.follow_ups.follow_up.2.lost_follow_up:

no	yes	NA's
19	1	149

patient.follow_ups.follow_up.2.month_of_form_completion:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1	2	4	5	7	12	132

patient.follow_ups.follow_up.2.new_tumor_events.new_tumor_event.additional_pharm

no	yes	NA's
1	8	160

patient.follow_ups.follow_up.2.new_tumor_events.new_tumor_event.additional_radia

no	NA's
9	160

patient.follow_ups.follow_up.2.new_tumor_events.new_tumor_event.days_to_new_tumo

869	NA's
1	168

patient.follow_ups.follow_up.2.new_tumor_events.new_tumor_event.days_to_new_tumo

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
30.0	368.0	461.0	466.1	660.0	846.0	160

patient.follow_ups.follow_up.2.new_tumor_events.new_tumor_event.new_neoplasm_eve

locoregional disease	NA's
1	168

patient.follow_ups.follow_up.2.new_tumor_events.new_tumor_event.new_tumor_event

no	yes	NA's
8	1	160

patient.follow_ups.follow_up.2.new_tumor_events.new_tumor_event.site_of_addition

liver	NA's
2	167

patient.follow_ups.follow_up.2.new_tumor_events.new_tumor_event_after_initial_tr

no	yes	NA's
26	9	134

patient.follow_ups.follow_up.2.person_neoplasm_cancer_status:

tumor free	with tumor	NA's
26	8	135

patient.follow_ups.follow_up.2.postoperative_rx_tx:

no	yes	NA's
18	11	140

patient.follow_ups.follow_up.2.primary_therapy_outcome_success:

complete remission/response	progressive disease
13	2
NA's	

154

patient.follow_ups.follow_up.2.radiation_therapy:

no	yes	NA's
25	4	140

patient.follow_ups.follow_up.2.vital_status:

alive	dead	NA's
30	6	133

patient.follow_ups.follow_up.2.year_of_form_completion:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
2011	2012	2012	2013	2013	2015	132

patient.follow_ups.follow_up.3.day_of_form_completion:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
11.00	21.00	26.00	23.13	26.00	30.00	154

patient.follow_ups.follow_up.3.days_to_death:

1201	NA's
1	168

patient.follow_ups.follow_up.3.days_to_last_followup:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
762.0	829.8	1128.0	1109.8	1326.2	1581.0	155

patient.follow_ups.follow_up.3.followup_case_report_form_submission_reason:

additional	new tumor event	scheduled follow-up	submission
		2	13
		NA's	
		154	

patient.follow_ups.follow_up.3.followup_treatment_success:

complete remission/response	progressive disease
3	4
stable disease	NA's
1	161

patient.follow_ups.follow_up.3.lost_follow_up:

no	NA's
15	154

patient.follow_ups.follow_up.3.month_of_form_completion:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1.0	4.5	6.0	5.8	6.5	12.0	154

patient.follow_ups.follow_up.3.new_tumor_events.new_tumor_event.additional_pharm

no	yes	NA's
4	2	163

patient.follow_ups.follow_up.3.new_tumor_events.new_tumor_event.additional_radiation
no NA's
6 163

patient.follow_ups.follow_up.3.new_tumor_events.new_tumor_event.days_to_new_tumor_event
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
30.0 889.5 1039.5 892.7 1115.2 1267.0 163

patient.follow_ups.follow_up.3.new_tumor_events.new_tumor_event.new_tumor_event_type
no NA's
6 163

patient.follow_ups.follow_up.3.new_tumor_events.new_tumor_event.site_of_additional_tumor
liver NA's
1 168

patient.follow_ups.follow_up.3.new_tumor_events.new_tumor_event_after_initial_treatment
no yes NA's
9 6 154

patient.follow_ups.follow_up.3.person_neoplasm_cancer_status:
tumor free with tumor NA's
10 5 154

patient.follow_ups.follow_up.3.postoperative_rx_tx:
no yes NA's
8 6 155

patient.follow_ups.follow_up.3.primary_therapy_outcome_success:
complete remission/response NA's
6 163

patient.follow_ups.follow_up.3.radiation_therapy:
no yes NA's
11 3 155

patient.follow_ups.follow_up.3.vital_status:
alive dead NA's
14 1 154

patient.follow_ups.follow_up.3.year_of_form_completion:
2012 2013 2014 2015 NA's
2 11 1 1 154

patient.follow_ups.follow_up.4.bcr_followup_barcode:
tcga-af-2689-f34761 NA's
1 168

patient.follow_ups.follow_up.4.bcr_followup_uuid:
836c3d65-5ad5-41bb-9be8-5d3b9cf0024c NA's
1 168

patient.follow_ups.follow_up.4.day_of_form_completion:

30 NA's
1 168

patient.follow_ups.follow_up.4.days_to_death:

1201 NA's
1 168

patient.follow_ups.follow_up.4.followup_case_report_form_submission_reason:

additional new tumor event NA's
1 168

patient.follow_ups.follow_up.4.followup_treatment_success:

progressive disease NA's
1 168

patient.follow_ups.follow_up.4.lost_follow_up:

no NA's
1 168

patient.follow_ups.follow_up.4.month_of_form_completion:

8 NA's
1 168

patient.follow_ups.follow_up.4.new_tumor_events.new_tumor_event.additional_pharm

no NA's
1 168

patient.follow_ups.follow_up.4.new_tumor_events.new_tumor_event.additional_radia

no NA's
1 168

patient.follow_ups.follow_up.4.new_tumor_events.new_tumor_event.days_to_new_tumo

1134 NA's
1 168

patient.follow_ups.follow_up.4.new_tumor_events.new_tumor_event.new_tumor_event_

no NA's
1 168

patient.follow_ups.follow_up.4.new_tumor_events.new_tumor_event_after_initial_tr

yes NA's
1 168

patient.follow_ups.follow_up.4.person_neoplasm_cancer_status:

with tumor NA's
1 168

patient.follow_ups.follow_up.4.vital_status:

dead NA's
1 168

patient.follow_ups.follow_up.4.year_of_form_completion:
 2012 NA's
 1 168

patient.follow_ups.follow_up.day_of_form_completion:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 1.00 7.00 12.00 14.15 24.50 30.00 26

patient.follow_ups.follow_up.days_to_death:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 61.0 349.8 930.5 863.2 1272.0 1741.0 149

patient.follow_ups.follow_up.days_to_last_followup:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 106.0 358.5 537.5 734.9 974.0 3932.0 43

patient.follow_ups.follow_up.followup_case_report_form_submission_reason:
 scheduled follow-up submission NA's
 132 37

patient.follow_ups.follow_up.followup_treatment_success:
 complete remission/response partial remission/response
 53 4
 progressive disease stable disease
 11 1
 NA's
 100

patient.follow_ups.follow_up.lost_follow_up:
 no yes NA's
 81 5 83

patient.follow_ups.follow_up.month_of_form_completion:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 1.000 4.000 10.000 8.226 12.000 12.000 23

patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.additional_pharmac
 no yes NA's
 6 9 154

patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.additional_radiati
 no yes NA's
 12 4 153

patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.days_to_new_tumor_
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 127 150 304 359 396 818 164

patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.days_to_new_tumor_
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's

0.0	157.0	368.0	582.2	791.5	3316.0	142
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patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.new_neoplasm_event
 locoregional disease metastatic NA's
 2 4 163

patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.new_tumor_event_ad
 no yes NA's
 21 6 142

patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.residual_disease_p
 r0 rx NA's
 2 1 166

patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.site_of_additional
 liver other NA's
 3 1 165

patient.follow_ups.follow_up.new_tumor_events.new_tumor_event_after_initial_trea
 no yes NA's
 108 27 34

patient.follow_ups.follow_up.person_neoplasm_cancer_status:
 tumor free with tumor NA's
 98 25 46

patient.follow_ups.follow_up.postoperative_rx_tx:
 no yes NA's
 71 66 32

patient.follow_ups.follow_up.primary_therapy_outcome_success:
 complete remission/response partial remission/response
 37 3
 progressive disease stable disease
 6 1
 NA's
 122

patient.follow_ups.follow_up.radiation_therapy:
 no yes NA's
 113 23 33

patient.follow_ups.follow_up.vital_status:
 alive dead NA's
 125 20 24

patient.follow_ups.follow_up.year_of_form_completion:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 2010 2012 2012 2012 2012 2015 23

patient.gender:
 female male

77 92

patient.height:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
150.0	163.0	170.0	170.7	178.0	189.3	94

patient.histological_type:

rectal adenocarcinoma	rectal mucinous adenocarcinoma
150	13
NA's	
6	

patient.history_of_colon_polyps:

no	yes	NA's
117	33	19

patient.history_of_neoadjuvant_treatment:

no	yes
168	1

patient.icd_10:

c18.9	c19	c20	c49.4	c80.1
6	70	90	2	1

patient.icd_o_3_histology:

8140/3	8211/3	8255/3	8263/3	8480/3
139	5	2	8	15

patient.icd_o_3_site:

c18.9	c19.9	c20.9	c49.4	c80.9
6	70	90	2	1

patient.informed_consent_verified:

yes
169

patient.kras_gene_analysis_performed:

no	yes	NA's
136	15	18

patient.kras_mutation_codon:

12	13	61	NA's
6	2	1	160

patient.kras_mutation_found:

no	yes	NA's
8	9	152

patient.loss_expression_of_mismatch_repair_proteins_by_ihc:

no	yes	NA's
127	8	34

```

patient.loss_expression_of_mismatch_repair_proteins_by_ihc_results.loss_expressi
  mlh1 expressed mlh1 not expressed      NA's
                5                2      162

patient.loss_expression_of_mismatch_repair_proteins_by_ihc_results.loss_expressi
  msh2 expressed msh2 not expressed      NA's
                5                2      162

patient.loss_expression_of_mismatch_repair_proteins_by_ihc_results.loss_expressi
  pms2 expressed pms2 not expressed      NA's
                5                2      162

patient.loss_expression_of_mismatch_repair_proteins_by_ihc_results.loss_expressi
  msh6 expressed msh6 not expressed      NA's
                5                2      162

patient.lymph_node_examined_count:
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.    NA's
  1.00  14.00   18.00   20.98  27.50   72.00    10

patient.lymphatic_invasion:
  no  yes NA's
  84  67  18

patient.microsatellite_instability:
  no NA's
  25 144

patient.month_of_form_completion:
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.
  1.000  5.000  6.000  6.254  7.000  12.000

patient.new_tumor_events.new_tumor_event.additional_pharmaceutical_therapy:
  yes NA's
  1  168

patient.new_tumor_events.new_tumor_event.additional_radiation_therapy:
  yes NA's
  1  168

patient.new_tumor_events.new_tumor_event.days_to_new_tumor_event_additional_surg
1458 NA's
  1  168

patient.new_tumor_events.new_tumor_event.days_to_new_tumor_event_after_initial_t
1217 NA's
  1  168

patient.new_tumor_events.new_tumor_event.new_neoplasm_event_type:
locoregional disease      NA's
                1                168

```

patient.new_tumor_events.new_tumor_event.new_tumor_event_additional_surgery_procedure:
 yes NA's
 1 168

patient.new_tumor_events.new_tumor_event.residual_disease_post_new_tumor_event_mri:
 r1 NA's
 1 168

patient.new_tumor_events.new_tumor_event_after_initial_treatment:
 no yes NA's
 2 1 166

patient.non_nodal_tumor_deposits:
 no yes NA's
 60 11 98

patient.number_of_abnormal_loci:
 0 NA's
 17 152

patient.number_of_first_degree_relatives_with_cancer_diagnosis:
 0 1 2 NA's
 128 14 2 25

patient.number_of_loci_tested:
 0 4 5 6 NA's
 1 1 15 1 151

patient.number_of_lymphnodes_positive_by_he:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 0.000 0.000 0.000 2.692 3.000 31.000 10

patient.number_of_lymphnodes_positive_by_ihc:
 0 NA's
 16 153

patient.perineural_invasion_present:
 no yes NA's
 40 14 115

patient.person_neoplasm_cancer_status:
 tumor free with tumor NA's
 61 89 19

patient.postoperative_rx_tx:
 no yes NA's
 1 2 166

patient.preoperative_pretreatment_cea_level:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 0.33 1.60 3.60 136.37 10.70 7868.00 56

patient.primary_lymph_node_presentation_assessment:
 no yes NA's
 5 158 6

patient.primary_therapy_outcome_success:
 complete remission/response NA's
 3 166

patient.prior_dx:
 no yes
 154 15

patient.race:
 asian black or african american white
 1 6 83
 NA's
 79

patient.radiation_therapy:
 no yes NA's
 2 1 166

patient.radiations.radiation.2.anatomic_treatment_site:
 primary tumor field NA's
 1 168

patient.radiations.radiation.2.bcr_radiation_barcode:
 tcga-af-2692-r9920 NA's
 1 168

patient.radiations.radiation.2.bcr_radiation_uuid:
 94bd837c-1105-4e0c-b84c-b5392c7ebc8b NA's
 1 168

patient.radiations.radiation.2.course_number:
 1 NA's
 1 168

patient.radiations.radiation.2.day_of_form_completion:
 21 NA's
 1 168

patient.radiations.radiation.2.days_to_radiation_therapy_end:
 385 NA's
 1 168

patient.radiations.radiation.2.days_to_radiation_therapy_start:
 350 NA's
 1 168

patient.radiations.radiation.2.month_of_form_completion:

12 NA's
1 168

patient.radiations.radiation.2.numfractions:
25 NA's
1 168

patient.radiations.radiation.2.radiation_dosage:
5000 NA's
1 168

patient.radiations.radiation.2.radiation_treatment_ongoing:
no NA's
1 168

patient.radiations.radiation.2.radiation_type:
external beam NA's
 1 168

patient.radiations.radiation.2.regimen_indication:
recurrence NA's
 1 168

patient.radiations.radiation.2.units:
cgy NA's
1 168

patient.radiations.radiation.2.year_of_form_completion:
2010 NA's
1 168

patient.radiations.radiation.anatomic_treatment_site:
distant recurrence distant site primary tumor field NA's
 2 1 25 141

patient.radiations.radiation.course_number:
1 NA's
8 161

patient.radiations.radiation.day_of_form_completion:
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
3.00 13.00 13.00 14.14 13.00 28.00 140

patient.radiations.radiation.days_to_radiation_therapy_end:
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
89.0 92.0 105.5 177.0 157.0 1369.0 141

patient.radiations.radiation.days_to_radiation_therapy_start:
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
30.0 61.0 65.0 164.6 104.0 1308.0 140

```

patient.radiations.radiation.measure_of_response:
complete response  partial response  NA's
                14                1        154

patient.radiations.radiation.month_of_form_completion:
  Min. 1st Qu.  Median    Mean 3rd Qu.  Max.  NA's
 1.000  6.000 12.000  9.414 12.000 12.000  140

patient.radiations.radiation.numfractions:
 14  23  28  30 NA's
  1   1   6   1 160

patient.radiations.radiation.radiation_dosage:
  Min. 1st Qu.  Median    Mean 3rd Qu.  Max.  NA's
   41    50    50   2123   5040   5400   146

patient.radiations.radiation.radiation_treatment_ongoing:
 no  yes NA's
28   1  140

patient.radiations.radiation.radiation_type:
 external external beam  NA's
                17                8        144

patient.radiations.radiation.regimen_indication:
 adjuvant palliative  NA's
                10                1        158

patient.radiations.radiation.units:
 cgy  gy NA's
  9  14 146

patient.radiations.radiation.year_of_form_completion:
  Min. 1st Qu.  Median    Mean 3rd Qu.  Max.  NA's
 2010   2012   2012   2012   2012   2015   140

patient.residual_tumor:
 r0  r1  r2  rx NA's
126  2  12  5  24

patient.stage_event.system_version:
 5th  6th  7th NA's
  21  71  59  18

patient.stage_event.tnm_categories.pathologic_categories.pathologic_m:
 m0  m1  m1a  mx NA's
129  22  2  14  2

```

patient.synchronous_colon_cancer_present:

no	yes	NA's
144	3	22

patient.tissue_prospective_collection_indicator:

no	yes	NA's
109	57	3

patient.tissue_retrospective_collection_indicator:

no	yes	NA's
57	109	3

patient.tumor_tissue_site:

rectum	NA's
166	3

patient.venous_invasion:

no	yes	NA's
109	37	23

patient.vital_status:

alive	dead
160	9

patient.weight:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
40.0	64.0	77.0	79.5	90.0	172.4	92

patient.year_of_form_completion:

2010	2011	2012	2013
61	104	1	3

patient.year_of_initial_pathologic_diagnosis:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.
1999	2007	2009	2008	2010	2012

patient.microsatellite_instability_test_results.microsatellite_instability_test_

indeterminate	msi-h	msi-l	mss
1	5	19	144

patient.bcr_canonical_check.bcr_patient_canonical_reasons.bcr_canonical_reason:

case matched expression control	case matched methylation control
10	7
primary tumor and recurrent tumor(s)	NA's
1	151

patient.bcr_canonical_check.bcr_patient_canonical_reasons.bcr_canonical_reason.2

case matched methylation control	germline comparison
10	1
NA's	


```

patient.biospecimen_cqcf.normal_controls.normal_control.2.days_to_normal_sample_
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.   NA's
  0.0    0.0    29.0   104.8   38.0  1373.0   144

patient.biospecimen_cqcf.normal_controls.normal_control.2.extracted_dna.ncedna_d
0.079 0.091  0.24  NA's
  1    1    1   166

patient.biospecimen_cqcf.normal_controls.normal_control.2.extracted_dna.ncedna_d
picogreen      NA's
  3           166

patient.biospecimen_cqcf.normal_controls.normal_control.2.extracted_dna.ncedna_d
20 NA's
  3 166

patient.biospecimen_cqcf.normal_controls.normal_control.2.extracted_dna.ncedna_d
84 221 254 NA's
  1  1  1 166

patient.biospecimen_cqcf.normal_controls.normal_control.2.method_of_normal_sampl
anterior resection of rectum      blood draw
                                  2           14
  other method (specify)          NA's
                                  6           147

patient.biospecimen_cqcf.normal_controls.normal_control.2.normal_tissue.normal_t
  other      rectum sigmoid colon      NA's
  3           3           4           159

patient.biospecimen_cqcf.normal_controls.normal_control.2.normal_tissue.normal_t
distal (>2cm)      NA's
  5           164

patient.biospecimen_cqcf.normal_controls.normal_control.2.vial_number:
  1  2  3 NA's
11 39  1 118

patient.biospecimen_cqcf.normal_controls.normal_control.3.bcr_sample_uuid:
679ead10-6bfd-4c7d-907a-830993fe5120      NA's
                                  1           168

patient.biospecimen_cqcf.normal_controls.normal_control.3.vial_number:
  2 NA's
  1 168

patient.biospecimen_cqcf.normal_controls.normal_control.days_to_normal_sample_pr
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.   NA's
-19.00  0.00    5.00   49.33  31.00  1391.00   31

```

```

patient.biospecimen_cqcf.normal_controls.normal_control.extracted_dna.ncedna_dna
  Min. 1st Qu.  Median      Mean 3rd Qu.  Max.  NA's
0.01570 0.03535 0.12550 4.87700 0.88525 45.60000 149

patient.biospecimen_cqcf.normal_controls.normal_control.extracted_dna.ncedna_dna
  nanodrop pico green  picogreen      NA's
      8          10          2      149

patient.biospecimen_cqcf.normal_controls.normal_control.extracted_dna.ncedna_dna
  Min. 1st Qu.  Median      Mean 3rd Qu.  Max.  NA's
11.00 19.75 20.00 18.94 20.00 20.00 149

patient.biospecimen_cqcf.normal_controls.normal_control.extracted_dna.ncedna_dna
  Min. 1st Qu.  Median      Mean 3rd Qu.  Max.  NA's
11.50 71.03 313.00 449.23 810.00 1200.00 149

patient.biospecimen_cqcf.normal_controls.normal_control.normal_tissue.normal_tis
  other      rectum sigmoid colon      NA's
      17          10          2      140

patient.biospecimen_cqcf.normal_controls.normal_control.normal_tissue.normal_tis
  distal (>2cm)      NA's
      17          152

patient.biospecimen_cqcf.normal_controls.normal_control.vial_number:
  1 2 3 NA's
134 17 1 17

patient.biospecimen_cqcf.path_confirm_diagnosis_matching:
  no yes NA's
  1 114 54

patient.biospecimen_cqcf.path_confirm_report_attached:
  no yes
  12 157

patient.biospecimen_cqcf.path_confirm_tumor_necrosis_metrics:
  no yes NA's
  1 114 54

patient.biospecimen_cqcf.path_confirm_tumor_nuclei_metrics:
  no yes NA's
  1 114 54

patient.biospecimen_cqcf.race:
  black or african american      NA's
      3      166

```


1 4 164

patient.biospecimen_cqcf.tumor_samples.tumor_sample.4.tumor_necrosis_percent:

0 NA's

5 164

patient.biospecimen_cqcf.tumor_samples.tumor_sample.4.tumor_nuclei_percent:

70 75 80 NA's

2 1 2 164

patient.biospecimen_cqcf.tumor_samples.tumor_sample.4.tumor_weight:

150 160 180 NA's

2 1 2 164

patient.biospecimen_cqcf.tumor_samples.tumor_sample.4.vial_number:

1 2 NA's

4 1 164

patient.biospecimen_cqcf.tumor_samples.tumor_sample.5.bcr_sample_uuid:

0f4b61f5-0f06-4268-9b6d-4d285edd7ecc 797a1b9a-e736-41e0-a54a-3602eba38e89

1

1

9e79c2b0-cd84-47d8-b0f4-e96460bb1fcc fdbb3c6c-3fe9-4d1a-abc5-bbfff48a9cb3f

1

1

NA's

165

patient.biospecimen_cqcf.tumor_samples.tumor_sample.5.tumor_necrosis_percent:

0 NA's

4 165

patient.biospecimen_cqcf.tumor_samples.tumor_sample.5.tumor_nuclei_percent:

70 75 80 NA's

2 1 1 165

patient.biospecimen_cqcf.tumor_samples.tumor_sample.5.tumor_weight:

150 180 NA's

2 2 165

patient.biospecimen_cqcf.tumor_samples.tumor_sample.5.vial_number:

1 NA's

4 165

patient.biospecimen_cqcf.tumor_samples.tumor_sample.6.bcr_sample_uuid:

2c755719-c529-46ae-9e1d-fbd044b78fb3 cd584ad1-7dfd-4180-ad7a-adb2f2a5496a

1

1

NA's

167

patient.biospecimen_cqcf.tumor_samples.tumor_sample.6.tumor_necrosis_percent:

0 NA's

2 167

patient.biospecimen_cqcf.tumor_samples.tumor_sample.6.tumor_nuclei_percent:
 70 80 NA's
 1 1 167

patient.biospecimen_cqcf.tumor_samples.tumor_sample.6.tumor_weight:
 180 NA's
 2 167

patient.biospecimen_cqcf.tumor_samples.tumor_sample.6.vial_number:
 2 NA's
 2 167

patient.biospecimen_cqcf.tumor_samples.tumor_sample.tumor_necrosis_percent:
 Min. 1st Qu. Median Mean 3rd Qu. Max.
 0.00 5.00 20.00 12.58 20.00 30.00

patient.biospecimen_cqcf.tumor_samples.tumor_sample.tumor_nuclei_percent:
 Min. 1st Qu. Median Mean 3rd Qu. Max.
 60.00 70.00 70.00 75.21 80.00 100.00

patient.biospecimen_cqcf.tumor_samples.tumor_sample.tumor_weight:
 Min. 1st Qu. Median Mean 3rd Qu. Max.
 19.0 100.0 150.0 264.3 253.0 1647.0

patient.biospecimen_cqcf.tumor_samples.tumor_sample.vial_number:
 1
 169

patient.biospecimen_cqcf.vessel_used:

	cassette	cryomold	cryovial
	12	18	129
other (please specify)	10		

patient.days_to_index:
 0
 169

patient.samples.sample.2.bcr_biospecimen_canonical_reasons.bcr_canonical_reason:
 primary tumor and recurrent tumor(s) NA's
 1 168

patient.samples.sample.2.days_to_collection:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 26 354 1462 1639 2388 4107 136

patient.samples.sample.2.initial_weight:
 90 210 270 400 NA's

```

1 1 2 1 164

patient.samples.sample.2.intermediate_dimension:
0.6 0.7 0.9 1 NA's
3 1 2 2 161

patient.samples.sample.2.is_ffpe:
no
169

patient.samples.sample.2.longest_dimension:
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
0.60 1.00 1.10 1.45 1.55 3.60 161

patient.samples.sample.2.oct_embedded:
false NA's
33 136

patient.samples.sample.2.pathology_report_file_name:
tcga-g5-6572.7414d641-9069-4255-ade1-4d7a0ec72955.pdf
1
NA's
168

patient.samples.sample.2.pathology_report_uuid:
7414d641-9069-4255-ade1-4d7a0ec72955 NA's
1 168

patient.samples.sample.2.portions.portion.analytes.analyte.2.a260_a280_ratio:
1.7 1.8 2 NA's
1 4 1 163

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.2.
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
97514928 97515064 97516323 97991405 98889968 98890017 117

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.2.
9 10 NA's
61 8 100

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.2.
0.5 NA's
69 100

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.2.
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
5.00 7.00 11.00 13.84 29.00 29.00 100

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.2.
no NA's

```

69 100

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.2.

4 5 6 NA's
42 9 18 100

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.2.

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1.000	4.000	6.000	6.333	7.000	12.000	100

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.2.

40 NA's
69 100

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.2.

22 23 NA's
52 17 100

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.2.

80 NA's
69 100

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.2.

2010 NA's
69 100

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.3.

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1.136e+08	1.136e+08	1.136e+08	2.704e+08	1.136e+08	1.054e+09	157

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.3.

10 NA's
12 157

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.3.

0.5 NA's
12 157

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.3.

16 31 NA's
2 10 157

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.3.

no NA's
12 157

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.3.

5 8 NA's

```

2 10 157

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.3.
1 2 NA's
8 4 157

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.3.
1763 1990 NA's
2 10 157

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.3.
4 10 NA's
10 2 157

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.3.
22 NA's
12 157

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.3.
8 20 NA's
10 2 157

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.3.
2011 NA's
12 157

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.4.
tcga-ag-3605-10a-01w-1990-10 tcga-ag-3608-10a-01w-1990-10
1 1
NA's
167

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.4.
05acfdea-6475-470b-bcc5-d0a4fe604754 250866ef-4482-4ec1-ad62-44e2b4b44179
1 1
NA's
167

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.4.
113628024 113628047 NA's
1 1 167

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.4.
10 NA's
2 167

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.4.
0.5 NA's
2 167

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.4.

```

```

31 NA's
2 167

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.4.
no NA's
2 167

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.4.
8 NA's
2 167

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.4.
1 NA's
2 167

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.4.
1990 NA's
2 167

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.4.
e f NA's
1 1 167

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.4.
3 4 NA's
1 1 167

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.4.
22 NA's
2 167

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.4.
6 8 NA's
1 1 167

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.4.
2011 NA's
2 167

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.bi
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
8.949e+07 9.889e+07 1.070e+08 3.656e+08 1.054e+09 1.054e+09 20

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.ce
7 9 10 13 NA's
5 8 152 1 3

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.co
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
0.1300 0.5000 0.5000 0.4873 0.5000 0.5000 3

```

```

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.da
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.   NA's
  1.00   6.00   21.00   16.93  24.00   29.00    3

```

```

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.is
  no NA's
  166    3

```

```

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.mo
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.   NA's
  2.000  3.000   6.000   5.295  7.000  10.000    3

```

```

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.pl
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.   NA's
  1.000  4.250   6.000   6.325  7.750  12.000    3

```

```

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.qu
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.   NA's
  2.00  40.00  40.00  38.68  40.00  40.00    3

```

```

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.so
  22  23 NA's
  133 33  3

```

```

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.vo
  13.3  20 26.7  80 NA's
  1  1  4 160  3

```

```

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.ye
  2010 2011 2014 NA's
  75  88  3  3

```

```

patient.samples.sample.2.portions.portion.analytes.analyte.2.amount:
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.   NA's
  0.0  72.0  149.0  120.8  175.0  201.0    36

```

```

patient.samples.sample.2.portions.portion.analytes.analyte.2.analyte_type:
repli-g (qiagen) dna                rna                NA's
                  160                6                  3

```

```

patient.samples.sample.2.portions.portion.analytes.analyte.2.analyte_type_id:
  h    r    w NA's
  1    5  160  3

```

```

patient.samples.sample.2.portions.portion.analytes.analyte.2.concentration:
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.   NA's
  0.1300  0.5000  0.5000  0.4841  0.5000  0.5000    36

```

patient.samples.sample.2.portions.portion.analytes.analyte.2.dna.normal_tumor_ge
 yes NA's
 160 9

patient.samples.sample.2.portions.portion.analytes.analyte.2.dna.pcr_amplificati
 no yes NA's
 127 33 9

patient.samples.sample.2.portions.portion.analytes.analyte.2.gel_image_file:
<https://sharedoc.nchri.org/tcga-bcr/default.aspx>
 166
 NA's
 3

patient.samples.sample.2.portions.portion.analytes.analyte.2.is_derived_from_ffp
 no NA's
 166 3

patient.samples.sample.2.portions.portion.analytes.analyte.2.protocols.protocol.
 allprep rna extraction mirvana (allprep dna) rna repli-g
 5 1 160
 NA's
 3

patient.samples.sample.2.portions.portion.analytes.analyte.2.rna.ratio_28s_18s:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 0.980 1.208 1.385 1.367 1.540 1.710 163

patient.samples.sample.2.portions.portion.analytes.analyte.2.rna.rinvalue:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 7.300 8.475 9.400 8.917 9.575 9.600 163

patient.samples.sample.2.portions.portion.analytes.analyte.2.spectrophotometer_m
 picogreen uv spec NA's
 39 94 36

patient.samples.sample.2.portions.portion.analytes.analyte.2.subportion_sequence
 1 2 NA's
 5 1 163

patient.samples.sample.2.portions.portion.analytes.analyte.3.a260_a280_ratio:
 1.8 NA's
 1 168

patient.samples.sample.2.portions.portion.analytes.analyte.3.aliquots.aliquot.2.
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 97529432 97529462 97529491 102895632 113628012 113628093 142

patient.samples.sample.2.portions.portion.analytes.analyte.3.aliquots.aliquot.2.

```

9 10 NA's
27 17 125

patient.samples.sample.2.portions.portion.analytes.analyte.3.aliquots.aliquot.2.
0.5 NA's
44 125

patient.samples.sample.2.portions.portion.analytes.analyte.3.aliquots.aliquot.2.
5 11 29 31 NA's
8 9 18 9 125

patient.samples.sample.2.portions.portion.analytes.analyte.3.aliquots.aliquot.2.
no NA's
44 125

patient.samples.sample.2.portions.portion.analytes.analyte.3.aliquots.aliquot.2.
4 5 6 8 NA's
8 9 18 9 125

patient.samples.sample.2.portions.portion.analytes.analyte.3.aliquots.aliquot.2.
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
3.000 4.000 5.000 5.159 6.000 7.000 125

patient.samples.sample.2.portions.portion.analytes.analyte.3.aliquots.aliquot.2.
1074 1990 a00i a00l NA's
18 9 8 9 125

patient.samples.sample.2.portions.portion.analytes.analyte.3.aliquots.aliquot.2.
4 40 NA's
9 35 125

patient.samples.sample.2.portions.portion.analytes.analyte.3.aliquots.aliquot.2.
22 23 NA's
27 17 125

patient.samples.sample.2.portions.portion.analytes.analyte.3.aliquots.aliquot.2.
8 80 NA's
9 35 125

patient.samples.sample.2.portions.portion.analytes.analyte.3.aliquots.aliquot.2.
2010 2011 NA's
35 9 125

patient.samples.sample.2.portions.portion.analytes.analyte.3.aliquots.aliquot.3.
tcga-ag-3909-10a-01x-1990-10 tcga-ag-4001-10a-01x-1990-10
1 1
NA's
167

patient.samples.sample.2.portions.portion.analytes.analyte.3.aliquots.aliquot.3.
03bcf355-dc28-4416-bd01-5f0b3c519ae4 cbc956ea-a616-4b54-9982-e1591b242be1

```


1
NA's
167

patient.samples.sample.2.portions.portion.analytes.analyte.3.aliquots.aliquot.3.
113628051 113628068 NA's
1 1 167

patient.samples.sample.2.portions.portion.analytes.analyte.3.aliquots.aliquot.3.
10 NA's
2 167

patient.samples.sample.2.portions.portion.analytes.analyte.3.aliquots.aliquot.3.
0.5 NA's
2 167

patient.samples.sample.2.portions.portion.analytes.analyte.3.aliquots.aliquot.3.
31 NA's
2 167

patient.samples.sample.2.portions.portion.analytes.analyte.3.aliquots.aliquot.3.
no NA's
2 167

patient.samples.sample.2.portions.portion.analytes.analyte.3.aliquots.aliquot.3.
8 NA's
2 167

patient.samples.sample.2.portions.portion.analytes.analyte.3.aliquots.aliquot.3.
4 NA's
2 167

patient.samples.sample.2.portions.portion.analytes.analyte.3.aliquots.aliquot.3.
1990 NA's
2 167

patient.samples.sample.2.portions.portion.analytes.analyte.3.aliquots.aliquot.3.
c d NA's
1 1 167

patient.samples.sample.2.portions.portion.analytes.analyte.3.aliquots.aliquot.3.
4 NA's
2 167

patient.samples.sample.2.portions.portion.analytes.analyte.3.aliquots.aliquot.3.
22 NA's
2 167

patient.samples.sample.2.portions.portion.analytes.analyte.3.aliquots.aliquot.3.
8 NA's
2 167

patient.samples.sample.2.portions.portion.analytes.analyte.3.aliquots.aliquot.3.
 2011 NA's
 2 167

patient.samples.sample.2.portions.portion.analytes.analyte.3.aliquots.aliquot.bi
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 9.753e+07 9.753e+07 1.039e+08 1.328e+08 1.039e+08 1.054e+09 107

patient.samples.sample.2.portions.portion.analytes.analyte.3.aliquots.aliquot.ce
 7 9 10 NA's
 1 8 70 90

patient.samples.sample.2.portions.portion.analytes.analyte.3.aliquots.aliquot.co
 0.15 0.5 NA's
 1 78 90

patient.samples.sample.2.portions.portion.analytes.analyte.3.aliquots.aliquot.da
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 1.00 21.00 25.00 21.51 25.00 31.00 90

patient.samples.sample.2.portions.portion.analytes.analyte.3.aliquots.aliquot.is
 no NA's
 79 90

patient.samples.sample.2.portions.portion.analytes.analyte.3.aliquots.aliquot.mo
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 3.000 6.000 6.000 7.468 10.000 10.000 90

patient.samples.sample.2.portions.portion.analytes.analyte.3.aliquots.aliquot.pl
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 3.000 5.000 6.000 6.253 7.000 9.000 90

patient.samples.sample.2.portions.portion.analytes.analyte.3.aliquots.aliquot.qu
 2 4 40 NA's
 1 1 77 90

patient.samples.sample.2.portions.portion.analytes.analyte.3.aliquots.aliquot.so
 22 23 NA's
 56 23 90

patient.samples.sample.2.portions.portion.analytes.analyte.3.aliquots.aliquot.vo
 8 13.3 80 NA's
 1 1 77 90

patient.samples.sample.2.portions.portion.analytes.analyte.3.aliquots.aliquot.ye
 2010 2011 NA's
 72 7 90

patient.samples.sample.2.portions.portion.analytes.analyte.3.amount:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 40.2 102.0 141.0 130.4 155.8 232.0 113

patient.samples.sample.2.portions.portion.analytes.analyte.3.analyte_type:
 repli-g (qiagen) dna repli-g x (qiagen) dna rna
 5 73 1
 NA's
 90

patient.samples.sample.2.portions.portion.analytes.analyte.3.analyte_type_id:
 r w x NA's
 1 5 73 90

patient.samples.sample.2.portions.portion.analytes.analyte.3.concentration:
 0.15 0.5 NA's
 1 55 113

patient.samples.sample.2.portions.portion.analytes.analyte.3.dna.normal_tumor_ge
 yes NA's
 78 91

patient.samples.sample.2.portions.portion.analytes.analyte.3.dna.pcr_amplificati
 no yes NA's
 55 23 91

patient.samples.sample.2.portions.portion.analytes.analyte.3.gel_image_file:
<https://sharedoc.nchri.org/tcga-bcr/default.aspx>
 79
 NA's
 90

patient.samples.sample.2.portions.portion.analytes.analyte.3.is_derived_from_ffp
 no NA's
 79 90

patient.samples.sample.2.portions.portion.analytes.analyte.3.protocols.protocol.
 allprep rna extraction repli-g repli-g x
 1 5 73
 NA's
 90

patient.samples.sample.2.portions.portion.analytes.analyte.3.rna.ratio_28s_18s:
 1.25 NA's
 1 168

patient.samples.sample.2.portions.portion.analytes.analyte.3.rna.rinvalue:
 7.8 NA's
 1 168

```

patient.samples.sample.2.portions.portion.analytes.analyte.3.spectrophotometer_m
picogreen   uv spec      NA's
           1           55          113

patient.samples.sample.2.portions.portion.analytes.analyte.3.subportion_sequence
           1           2 NA's
           5           1 163

patient.samples.sample.2.portions.portion.analytes.analyte.4.aliquots.aliquot.bo
tcga-g5-6572-02a-12w-1903-10                                     NA's
                                           1                          168

patient.samples.sample.2.portions.portion.analytes.analyte.4.aliquots.aliquot.bo
a556d537-36a3-4d5a-97a2-656b59b0f5c4                             NA's
                                           1                          168

patient.samples.sample.2.portions.portion.analytes.analyte.4.aliquots.aliquot.bi
1053966901              NA's
           1              168

patient.samples.sample.2.portions.portion.analytes.analyte.4.aliquots.aliquot.ce
           10 NA's
           1 168

patient.samples.sample.2.portions.portion.analytes.analyte.4.aliquots.aliquot.co
           0.5 NA's
           1 168

patient.samples.sample.2.portions.portion.analytes.analyte.4.aliquots.aliquot.da
           20 NA's
           1 168

patient.samples.sample.2.portions.portion.analytes.analyte.4.aliquots.aliquot.is
           no NA's
           1 168

patient.samples.sample.2.portions.portion.analytes.analyte.4.aliquots.aliquot.mo
           7 NA's
           1 168

patient.samples.sample.2.portions.portion.analytes.analyte.4.aliquots.aliquot.pl
           4 NA's
           1 168

patient.samples.sample.2.portions.portion.analytes.analyte.4.aliquots.aliquot.pl
1903 NA's
           1 168

patient.samples.sample.2.portions.portion.analytes.analyte.4.aliquots.aliquot.pl
           f NA's
           1 168

```

patient.samples.sample.2.portions.portion.analytes.analyte.4.aliquots.aliquot.quantity
40 NA's
1 168

patient.samples.sample.2.portions.portion.analytes.analyte.4.aliquots.aliquot.size
22 NA's
1 168

patient.samples.sample.2.portions.portion.analytes.analyte.4.aliquots.aliquot.volume
80 NA's
1 168

patient.samples.sample.2.portions.portion.analytes.analyte.4.aliquots.aliquot.yield
2011 NA's
1 168

patient.samples.sample.2.portions.portion.analytes.analyte.4.amount:
135 NA's
1 168

patient.samples.sample.2.portions.portion.analytes.analyte.4.analyte_type:
repli-g (qiagen) dna NA's
1 168

patient.samples.sample.2.portions.portion.analytes.analyte.4.analyte_type_id:
w NA's
1 168

patient.samples.sample.2.portions.portion.analytes.analyte.4.bcr_analyte_barcode
tcga-g5-6572-02a-12w NA's
1 168

patient.samples.sample.2.portions.portion.analytes.analyte.4.bcr_analyte_uuid:
2bdace49-5acf-473f-8930-662dd87b1e8b NA's
1 168

patient.samples.sample.2.portions.portion.analytes.analyte.4.concentration:
0.5 NA's
1 168

patient.samples.sample.2.portions.portion.analytes.analyte.4.dna.normal_tumor_genes
yes NA's
1 168

patient.samples.sample.2.portions.portion.analytes.analyte.4.dna.pcr_amplification
no NA's
1 168

patient.samples.sample.2.portions.portion.analytes.analyte.4.gel_image_file:
<https://sharedoc.nchri.org/tcga-bcr/default.aspx>
1
NA's

168

```

patient.samples.sample.2.portions.portion.analytes.analyte.4.is_derived_from_ffp
no NA's
1 168

patient.samples.sample.2.portions.portion.analytes.analyte.4.protocols.protocol.
repli-g NA's
1 168

patient.samples.sample.2.portions.portion.analytes.analyte.4.spectrophotometer_m
picogreen NA's
1 168

patient.samples.sample.2.portions.portion.analytes.analyte.4.subportion_sequence
2 NA's
1 168

patient.samples.sample.2.portions.portion.analytes.analyte.a260_a280_ratio:
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
1.700 1.800 1.900 1.867 1.900 2.200 8

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.10.b
tcga-ag-3727-10a-01d-1989-10 NA's
1 168

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.10.b
8aecf7ad-6962-433a-8d76-9a0daf6c4fde NA's
1 168

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.10.b
113628519 NA's
1 168

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.10.c
10 NA's
1 168

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.10.c
0.15 NA's
1 168

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.10.d
31 NA's
1 168

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.10.i
no NA's
1 168

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.10.m
8 NA's

```

1 168

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.10.p
9 NA's
1 168

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.10.p
1989 NA's
1 168

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.10.p
e NA's
1 168

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.10.q
3 NA's
1 168

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.10.s
22 NA's
1 168

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.10.v
20 NA's
1 168

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.10.y
2011 NA's
1 168

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.11.b
tcga-ag-3727-10a-01d-a469-10 NA's
1 168

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.11.b
a579d39a-6b27-4724-92b6-b9fbb4e9f9d6 NA's
1 168

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.11.b
167811768 NA's
1 168

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.11.c
10 NA's
1 168

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.11.c
0.08 NA's
1 168

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.11.d
21 NA's

```

1 168

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.11.i
no NA's
1 168

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.11.m
1 NA's
1 168

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.11.p
1 NA's
1 168

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.11.p
a469 NA's
1 168

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.11.p
f NA's
1 168

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.11.q
1.07 NA's
1 168

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.11.s
23 NA's
1 168

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.11.v
13.4 NA's
1 168

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.11.y
2015 NA's
1 168

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.2.bi
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
9.649e+07 9.885e+07 1.070e+08 2.796e+08 1.136e+08 1.054e+09 17

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.2.ce
Min. 1st Qu. Median Mean 3rd Qu. Max.
1.000 1.000 1.000 3.621 5.000 23.000

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.2.co
Min. 1st Qu. Median Mean 3rd Qu. Max.
0.0700 0.1400 0.1500 0.1447 0.1500 0.2200

```


patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.2.da
 Min. 1st Qu. Median Mean 3rd Qu. Max.
 3.00 4.00 14.00 14.47 22.00 30.00

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.2.is
 no
 169

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.2.mo
 Min. 1st Qu. Median Mean 3rd Qu. Max.
 2.000 3.000 5.000 4.905 6.000 12.000

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.2.pl
 Min. 1st Qu. Median Mean 3rd Qu. Max.
 1.000 4.000 6.000 6.574 10.000 12.000

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.2.qu
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 0.800 1.000 1.070 1.833 3.470 4.540 2

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.2.so
 22 23
 134 35

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.2.vo
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 6.67 6.67 6.67 13.06 26.70 40.00 2

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.2.ye
 2010 2011 2014
 74 92 3

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.3.bi
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 9.649e+07 9.754e+07 1.070e+08 2.829e+08 1.136e+08 1.054e+09 21

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.3.ce
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 1.000 10.000 10.000 9.157 10.000 23.000 3

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.3.co
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 0.01000 0.05000 0.06000 0.09169 0.14000 0.18000 3

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.3.da
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 3.00 4.00 14.00 15.04 24.00 30.00 3

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.3.is
 no NA's
 166 3

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.3.mo
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 2.000 4.000 5.000 5.223 6.000 10.000 3

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.3.pl
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 1.000 4.000 6.000 6.361 10.000 12.000 3

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.3.qu
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 0.870 1.070 2.000 2.062 3.000 4.270 4

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.3.sc
 22 23 NA's
 135 31 3

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.3.vo
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 6.67 6.70 40.00 33.22 60.00 60.00 4

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.3.ye
 2010 2011 NA's
 72 94 3

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.4.bi
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 8.949e+07 9.753e+07 1.070e+08 4.827e+08 1.054e+09 1.054e+09 19

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.4.ce
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 1.0 9.0 10.0 14.1 23.0 24.0 10

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.4.co
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 0.0500 0.1350 0.1500 0.1375 0.1500 0.2200 10

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.4.da
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 3.00 12.00 22.00 20.86 28.00 31.00 10

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.4.is
 no NA's
 159 10

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.4.mo
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 2.00 5.00 6.00 6.34 8.00 11.00 10

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.4.pl
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 1.00 4.00 6.00 7.05 10.00 12.00 10

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.4.qu
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 0.870 0.955 1.070 1.520 1.950 4.010 83

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.4.sc
 22 23 NA's
 57 102 10

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.4.vo
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 6.67 6.70 6.70 14.60 13.34 60.00 83

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.4.ye
 2010 2011 NA's
 71 88 10

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.5.bi
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 8.949e+07 1.005e+08 1.053e+09 6.059e+08 1.053e+09 1.054e+09 84

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.5.ce
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 2.00 10.00 24.00 16.78 24.00 24.00 84

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.5.co
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 0.0500 0.1400 0.1500 0.1432 0.1500 0.1700 84

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.5.da
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 2.00 22.00 31.00 25.89 31.00 31.00 84

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.5.is
 no NA's
 85 84

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.5.mo
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 1.000 3.000 3.000 4.647 6.000 9.000 84

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.5.pl
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 1.000 4.000 8.000 6.953 9.000 12.000 84

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.5.qu
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 0.3200 0.9475 1.0400 1.5087 1.8600 11.8500 91

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.5.sc
 22 23 NA's
 54 31 84

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.5.vo
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 2.00 6.67 6.67 13.63 13.00 237.00 91

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.5.ye
 2010 2011 2012 2015 NA's
 23 59 2 1 84

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.6.bi
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 9.649e+07 1.134e+08 1.053e+09 7.417e+08 1.053e+09 1.053e+09 105

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.6.ce
 9 10 23 24 NA's
 5 10 35 15 104

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.6.co
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 0.0100 0.1300 0.1500 0.1351 0.1600 0.1700 104

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.6.da
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 2.0 22.0 22.0 25.6 31.0 31.0 104

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.6.is
 no NA's
 65 104

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.6.mo
 2 3 4 8 NA's
 1 50 5 9 104

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.6.pl
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 1.000 6.000 7.000 7.123 9.000 12.000 104

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.6.qu

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0.870	1.000	1.010	3.452	5.600	30.000	139

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.6.so

22	23	NA's
14	51	104

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.6.vo

6.67	6.7	80	600	NA's
15	5	9	1	139

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.6.ye

2010	2011	NA's
5	60	104

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.7.bi

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
9.885e+07	1.136e+08	1.053e+09	6.389e+08	1.053e+09	1.053e+09	119

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.7.ce

2	10	23	24	NA's
19	20	9	3	118

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.7.co

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0.0100	0.1300	0.1400	0.1369	0.1550	0.1700	118

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.7.da

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
11.00	28.00	28.00	27.84	31.00	31.00	118

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.7.is

no	NA's
51	118

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.7.mo

3	7	8	NA's
29	1	21	118

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.7.pl

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
3.000	8.000	9.000	8.608	10.000	12.000	118

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.7.qu

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
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0.930  1.860  2.130  2.759  3.000  6.400  127
patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.7.so
  22  23 NA's
  36  15 118
patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.7.vo
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.   NA's
  6.67 13.30  13.30  23.95  20.00  80.00  127
patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.7.ye
2010 2011 NA's
  2  49 118

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.8.bi
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.   NA's
1.136e+08 1.136e+08 1.136e+08 3.178e+08 1.136e+08 1.053e+09 146
patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.8.ce
  10  23  24 NA's
  18  3  2 146
patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.8.co
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.   NA's
  0.1300 0.1350  0.1400  0.1448  0.1500  0.1700  146
patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.8.da
  22  31 NA's
  3  20 146
patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.8.is
no NA's
  23 146
patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.8.mo
  3  8 NA's
  5 18 146
patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.8.pl
  5  7  8  9 NA's
  1  5 12  5 146
patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.8.pl
1615 1620 1989 NA's
  2  3  18 146
patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.8.qu
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.   NA's
  0.340  2.600  2.800  2.602  3.000  3.400  149

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patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.8.sc
 22 23 NA's
 20 3 146

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.8.vo
 2 6.67 14.5 20 NA's
 1 1 1 17 149

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.8.ye
 2011 NA's
 23 146

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.9.bo
 tcga-af-2689-10a-01d-1989-10 tcga-ag-3727-10a-01d-1620-23
 1 1
 tcga-ag-3728-10a-01d-1620-23 NA's
 1 166

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.9.bo
 015da186-c9a7-4242-b9c3-0e0c995452fe 08537b52-c844-4c28-b746-dcf3a5b7700b
 1 1
 dffa871a-a031-4d1b-a3db-4b65b2ab56bc NA's
 1 166

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.9.bi
 113628558 1052627012 1052627027 NA's
 1 1 1 166

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.9.ce
 10 23 NA's
 1 2 166

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.9.co
 0.14 0.15 0.17 NA's
 1 1 1 166

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.9.da
 22 31 NA's
 2 1 166

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.9.is
 no NA's
 3 166

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.9.mo
 3 8 NA's
 2 1 166

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.9.pl
 7 8 NA's
 1 2 166

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.9.pl
 1620 1989 NA's
 2 1 166

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.9.pl
 b d e NA's
 1 1 1 166

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.9.qu
 2.8 NA's
 1 168

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.9.sc
 22 23 NA's
 1 2 166

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.9.vo
 20 NA's
 1 168

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.9.ye
 2011 NA's
 3 166

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.bios
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 9.650e+07 9.885e+07 1.070e+08 2.794e+08 1.136e+08 1.054e+09 17

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.cent
 1 2 24
 56 105 8

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.conc
 Min. 1st Qu. Median Mean 3rd Qu. Max.
 0.1200 0.1400 0.1500 0.1494 0.1500 0.2200

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.day_
 Min. 1st Qu. Median Mean 3rd Qu. Max.
 3.00 6.00 14.00 14.84 22.00 31.00

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.is_d
 no
 169

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.mont
 Min. 1st Qu. Median Mean 3rd Qu. Max.
 2.00 3.00 5.00 4.87 6.00 12.00

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.plat

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.
1.000	4.000	6.000	6.521	10.000	12.000

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.quant

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0.870	1.010	1.500	1.492	1.950	2.860	3

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.source

22	23
133	36

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.volume

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
6.600	6.700	10.000	9.956	13.300	13.300	3

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.year

2010	2011	2014
76	90	3

patient.samples.sample.2.portions.portion.analytes.analyte.amount:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.
0.00	20.00	68.61	157.72	232.40	1149.70

patient.samples.sample.2.portions.portion.analytes.analyte.analyte_type:

dna
169

patient.samples.sample.2.portions.portion.analytes.analyte.analyte_type_id:

d
169

patient.samples.sample.2.portions.portion.analytes.analyte.concentration:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.
0.1200	0.1400	0.1500	0.1494	0.1500	0.2200

patient.samples.sample.2.portions.portion.analytes.analyte.dna.normal_tumor_gene

yes
169

patient.samples.sample.2.portions.portion.analytes.analyte.dna.pcr_amplification

no	yes
83	86

patient.samples.sample.2.portions.portion.analytes.analyte.gel_image_file:

<https://sharedoc.nchri.org/tcga-bcr/default.aspx>

169

patient.samples.sample.2.portions.portion.analytes.analyte.is_derived_from_ffpe:

no
169

patient.samples.sample.2.portions.portion.analytes.analyte.protocols.protocol.ex
adna preparation type chemical lysis dna extraction
34 111
pre-extracted dna received by tss
24

patient.samples.sample.2.portions.portion.analytes.analyte.spectrophotometer_met
picogreen uv spec
8 161

patient.samples.sample.2.portions.portion.analytes.analyte.subportion_sequence:
1 2 NA's
5 1 163

patient.samples.sample.2.portions.portion.day_of_creation:
Min. 1st Qu. Median Mean 3rd Qu. Max.
1.0 11.0 12.0 14.4 21.0 28.0

patient.samples.sample.2.portions.portion.is_ffpe:
no
169

patient.samples.sample.2.portions.portion.month_of_creation:
Min. 1st Qu. Median Mean 3rd Qu. Max.
1.000 2.000 3.000 4.331 6.000 11.000

patient.samples.sample.2.portions.portion.portion_number:
1 2 11 12
162 1 5 1

patient.samples.sample.2.portions.portion.portion_sequence:
1 NA's
33 136

patient.samples.sample.2.portions.portion.slides.slide.2.is_derived_from_ffpe:
no NA's
7 162

patient.samples.sample.2.portions.portion.slides.slide.2.percent_lymphocyte_infi
5 25 35 40 NA's
1 1 2 1 164

patient.samples.sample.2.portions.portion.slides.slide.2.percent_monocyte_infilt
1 5 7 NA's

1 1 3 164

patient.samples.sample.2.portions.portion.slides.slide.2.percent_necrosis:
 15 NA's
 1 168

patient.samples.sample.2.portions.portion.slides.slide.2.percent_neutrophil_infi
 0 NA's
 5 164

patient.samples.sample.2.portions.portion.slides.slide.2.percent_normal_cells:
 0 100 NA's
 1 5 163

patient.samples.sample.2.portions.portion.slides.slide.2.percent_stromal_cells:
 25 NA's
 1 168

patient.samples.sample.2.portions.portion.slides.slide.2.percent_tumor_cells:
 0 60 NA's
 5 1 163

patient.samples.sample.2.portions.portion.slides.slide.2.percent_tumor_nuclei:
 80 NA's
 1 168

patient.samples.sample.2.portions.portion.slides.slide.2.section_location:
 top NA's
 7 162

patient.samples.sample.2.portions.portion.slides.slide.is_derived_from_ffpe:
 no NA's
 13 156

patient.samples.sample.2.portions.portion.slides.slide.percent_lymphocyte_infilt
 25 30 35 40 NA's
 1 1 2 1 164

patient.samples.sample.2.portions.portion.slides.slide.percent_monocyte_infiltra
 6 7 8 NA's
 2 2 1 164

patient.samples.sample.2.portions.portion.slides.slide.percent_necrosis:
 10 NA's
 1 168

patient.samples.sample.2.portions.portion.slides.slide.percent_neutrophil_infilt
 0 3 NA's
 4 1 164

```

patient.samples.sample.2.portions.portion.slides.slide.percent_normal_cells:
  0 100 NA's
  1  5 163

patient.samples.sample.2.portions.portion.slides.slide.percent_stromal_cells:
  20 NA's
  1 168

patient.samples.sample.2.portions.portion.slides.slide.percent_tumor_cells:
  0  70 NA's
  5  1 163

patient.samples.sample.2.portions.portion.slides.slide.percent_tumor_nuclei:
  85 NA's
  1 168

patient.samples.sample.2.portions.portion.slides.slide.section_location:
bottom    top    NA's
   7      6    156

patient.samples.sample.2.portions.portion.weight:
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.    NA's
  2.00  30.00  100.00  85.26 118.00  200.00   142

patient.samples.sample.2.portions.portion.year_of_creation:
2010 2011 2013
  94  72   3

patient.samples.sample.2.portions.shipment_portion.bcr_shipment_portion_uuid:
125cb77d-7136-4043-b7a1-463898db7281    NA's
                                     1    168

patient.samples.sample.2.portions.shipment_portion.center_id:
  20 NA's
  1 168

patient.samples.sample.2.portions.shipment_portion.is_ffpe:
  no NA's
  1 168

patient.samples.sample.2.portions.shipment_portion.plate_id:
2189 NA's
  1 168

patient.samples.sample.2.portions.shipment_portion.portion_number:
  13 NA's
  1 168

patient.samples.sample.2.portions.shipment_portion.shipment_portion_bcr_aliquot_
tcga-g5-6572-02a-13-2189-20    NA's
                                     1    168

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patient.samples.sample.2.portions.shipment_portion.shipment_portion_day_of_shipment
 5 NA's
 1 168

patient.samples.sample.2.portions.shipment_portion.shipment_portion_month_of_shipment
 3 NA's
 1 168

patient.samples.sample.2.portions.shipment_portion.shipment_portion_year_of_shipment
 2012 NA's
 1 168

patient.samples.sample.2.sample_type:
 blood derived normal recurrent tumor solid tissue normal
 156 1 12

patient.samples.sample.2.sample_type_id:
 2 10 11
 1 156 12

patient.samples.sample.2.shortest_dimension:
 0.3 0.5 0.6 1 NA's
 3 3 1 1 161

patient.samples.sample.2.vial_number:
 a b
 168 1

patient.samples.sample.3.intermediate_dimension:
 0.7 0.8 0.9 NA's
 1 2 3 163

patient.samples.sample.3.is_ffpe:
 no NA's
 7 162

patient.samples.sample.3.longest_dimension:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 1.300 1.425 1.500 1.650 1.875 2.200 163

patient.samples.sample.3.portions.portion.analytes.analyte.2.a260_a280_ratio:
 1.8 NA's
 5 164

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.2.a260_a280_ratio:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 9.889e+07 1.054e+09 1.054e+09 8.629e+08 1.054e+09 1.054e+09 164

```

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.2.
  7    9 NA's
  4    1 164

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.2.
0.14 0.15 0.16 0.5 NA's
  2    1    1    1 164

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.2.
 11   29 NA's
  4    1 164

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.2.
no NA's
  5 164

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.2.
  5    6 NA's
  4    1 164

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.2.
  5 NA's
  5 164

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.2.
1073 1758 NA's
  1    4 164

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.2.
1.86    2 2.13    40 NA's
  2    1    1    1 164

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.2.
 22 NA's
  5 164

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.2.
13.3    80 NA's
  4    1 164

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.2.
2010 2011 NA's
  1    4 164

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.3.
tcga-af-2689-11a-01r-a32z-07 tcga-af-2691-11a-01r-a32z-07
                                1                                1
tcga-af-2692-11a-01r-a32z-07 tcga-af-3400-11a-01r-a32z-07
                                1                                1
                                NA's

```

165

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.3.
 509563ff-856a-45f0-a2e2-5ad04e652dae 523635dd-1fcb-4dbb-9405-2397c00b02be

1

1

9fd9dc77-9ec1-445b-9326-254c272d38c4 a061d300-0dec-42c6-a21c-13af7bba943d

1

1

NA's

165

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.3.

150757406 150757407 150757409 150757425 NA's

1

1

1

1

165

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.3.

7 NA's

4 165

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.3.

0.14 0.15 0.16 NA's

2

1

1

165

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.3.

2 NA's

4 165

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.3.

no NA's

4 165

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.3.

10 NA's

4 165

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.3.

3 4 5 NA's

1

2

1

165

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.3.

a32z NA's

4 165

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.3.

e f NA's

3

1

165

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.3.

1.82 1.95 2.08 NA's

2

1

1

165

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.3.

23 NA's

4 165

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.3.

13 NA's

4 165

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.3.

2013 NA's

4 165

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.bi

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
9.889e+07	5.805e+08	1.054e+09	7.822e+08	1.054e+09	1.054e+09	162

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.ce

7 10 13 NA's

1 2 4 162

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.co

0.14 0.15 0.16 0.5 NA's

2 1 2 2 162

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.da

6 11 20 29 NA's

1 4 1 1 162

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.is

no NA's

7 162

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.mo

4 5 6 7 NA's

1 4 1 1 162

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.pl

2 5 8 NA's

1 5 1 162

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.pl

1071 1660 1757 1903 NA's

1 1 4 1 162

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.qu

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
2.80	2.90	3.20	13.72	22.14	40.00	162

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.so

22 NA's

7 162

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.volumes
 20 26.7 80 NA's
 4 1 2 162

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.years
 2010 2011 NA's
 1 6 162

patient.samples.sample.3.portions.portion.analytes.analyte.2.amount:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 3.20 41.70 47.80 57.23 52.60 161.00 162

patient.samples.sample.3.portions.portion.analytes.analyte.2.analyte_type:
 repli-g (qiagen) dna rna NA's
 2 5 162

patient.samples.sample.3.portions.portion.analytes.analyte.2.analyte_type_id:
 r w NA's
 5 2 162

patient.samples.sample.3.portions.portion.analytes.analyte.2.concentration:
 0.14 0.15 0.16 0.5 NA's
 2 1 2 2 162

patient.samples.sample.3.portions.portion.analytes.analyte.2.dna.normal_tumor_grade
 yes NA's
 2 167

patient.samples.sample.3.portions.portion.analytes.analyte.2.dna.pcr_amplification
 no NA's
 2 167

patient.samples.sample.3.portions.portion.analytes.analyte.2.gel_image_file:
<https://sharedoc.nchri.org/tcga-bcr/default.aspx>
 7
 NA's
 162

patient.samples.sample.3.portions.portion.analytes.analyte.2.is_derived_from_fastq
 no NA's
 7 162

patient.samples.sample.3.portions.portion.analytes.analyte.2.protocols.protocol.
 allprep rna extraction repli-g NA's
 5 2 162

patient.samples.sample.3.portions.portion.analytes.analyte.2.rna.ratio_28s_18s:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 1.200 1.460 1.480 1.474 1.540 1.690 164

patient.samples.sample.3.portions.portion.analytes.analyte.2.rna.rinvalue:
 7.1 8 8.4 8.7 NA's
 1 1 1 2 164

patient.samples.sample.3.portions.portion.analytes.analyte.2.spectrophotometer_m
 picogreen uv spec NA's
 1 6 162

patient.samples.sample.3.portions.portion.analytes.analyte.2.subportion_sequence
 1 NA's
 1 168

patient.samples.sample.3.portions.portion.analytes.analyte.3.aliquots.aliquot.2.
 tcga-af-3913-11a-01x-1074-09 NA's
 1 168

patient.samples.sample.3.portions.portion.analytes.analyte.3.aliquots.aliquot.2.
 779b1cef-0733-4dff-aa5b-7a8e09dda68e NA's
 1 168

patient.samples.sample.3.portions.portion.analytes.analyte.3.aliquots.aliquot.2.
 97529506 NA's
 1 168

patient.samples.sample.3.portions.portion.analytes.analyte.3.aliquots.aliquot.2.
 9 NA's
 1 168

patient.samples.sample.3.portions.portion.analytes.analyte.3.aliquots.aliquot.2.
 0.5 NA's
 1 168

patient.samples.sample.3.portions.portion.analytes.analyte.3.aliquots.aliquot.2.
 29 NA's
 1 168

patient.samples.sample.3.portions.portion.analytes.analyte.3.aliquots.aliquot.2.
 no NA's
 1 168

patient.samples.sample.3.portions.portion.analytes.analyte.3.aliquots.aliquot.2.
 6 NA's
 1 168

patient.samples.sample.3.portions.portion.analytes.analyte.3.aliquots.aliquot.2.
 5 NA's
 1 168

patient.samples.sample.3.portions.portion.analytes.analyte.3.aliquots.aliquot.2.
 1074 NA's
 1 168

```

patient.samples.sample.3.portions.portion.analytes.analyte.3.aliquots.aliquot.2.
a NA's
1 168

patient.samples.sample.3.portions.portion.analytes.analyte.3.aliquots.aliquot.2.
40 NA's
1 168

patient.samples.sample.3.portions.portion.analytes.analyte.3.aliquots.aliquot.2.
22 NA's
1 168

patient.samples.sample.3.portions.portion.analytes.analyte.3.aliquots.aliquot.2.
80 NA's
1 168

patient.samples.sample.3.portions.portion.analytes.analyte.3.aliquots.aliquot.2.
2010 NA's
1 168

patient.samples.sample.3.portions.portion.analytes.analyte.3.aliquots.aliquot.bo
tcga-af-3913-11a-01x-1072-10 tcga-af-5654-11a-11w-1729-10
1 1
NA's
167

patient.samples.sample.3.portions.portion.analytes.analyte.3.aliquots.aliquot.bo
6668bc7a-c23d-459f-aa7a-6c14e18f1b4a eee08d03-83ca-4e3f-8d17-bf3bb7de6cff
1 1
NA's
167

patient.samples.sample.3.portions.portion.analytes.analyte.3.aliquots.aliquot.bi
97529314 108686858 NA's
1 1 167

patient.samples.sample.3.portions.portion.analytes.analyte.3.aliquots.aliquot.ce
10 NA's
2 167

patient.samples.sample.3.portions.portion.analytes.analyte.3.aliquots.aliquot.co
0.5 NA's
2 167

patient.samples.sample.3.portions.portion.analytes.analyte.3.aliquots.aliquot.da
4 29 NA's
1 1 167

patient.samples.sample.3.portions.portion.analytes.analyte.3.aliquots.aliquot.is
no NA's
2 167

```


NA's
167

patient.samples.sample.3.portions.portion.analytes.analyte.3.concentration:
0.5 NA's
2 167

patient.samples.sample.3.portions.portion.analytes.analyte.3.dna.normal_tumor_ge
yes NA's
2 167

patient.samples.sample.3.portions.portion.analytes.analyte.3.dna.pcr_amplificati
no NA's
2 167

patient.samples.sample.3.portions.portion.analytes.analyte.3.gel_image_file:
<https://sharedoc.nchri.org/tcga-bcr/default.aspx>
2
NA's
167

patient.samples.sample.3.portions.portion.analytes.analyte.3.is_derived_from_ffp
no NA's
2 167

patient.samples.sample.3.portions.portion.analytes.analyte.3.protocols.protocol.
repli-g repli-g x NA's
1 1 167

patient.samples.sample.3.portions.portion.analytes.analyte.3.spectrophotometer_m
uv spec NA's
2 167

patient.samples.sample.3.portions.portion.analytes.analyte.3.subportion_sequence
1 NA's
1 168

patient.samples.sample.3.portions.portion.analytes.analyte.a260_a280_ratio:
1.9 NA's
7 162

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.2.bi
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
9.885e+07 5.793e+08 1.050e+09 7.802e+08 1.050e+09 1.054e+09 162

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.2.ce
1 5 NA's
6 1 162

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.2.co

0.12 0.15 0.16 NA's
1 4 2 162

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.2.da
6 14 22 NA's
1 5 1 162

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.2.is
no NA's
7 162

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.2.mo
2 4 6 7 NA's
4 1 1 1 162

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.2.pl
1 2 3 7 NA's
2 3 1 1 162

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.2.pl
1116 1550 1656 1825 NA's
1 4 1 1 162

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.2.qu
0.8 1 1.07 4.01 NA's
1 3 2 1 162

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.2.so
22 NA's
7 162

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.2.vo
6.67 26.7 NA's
6 1 162

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.2.ye
2010 2011 NA's
1 6 162

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.3.bi
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
9.885e+07 5.785e+08 1.050e+09 7.799e+08 1.050e+09 1.054e+09 162

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.3.ce
5 9 10 NA's
4 1 2 162

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.3.co
0.05 0.15 0.16 NA's

2 4 1 162

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.3.da

6 14 22 NA's

1 5 1 162

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.3.is

no NA's

7 162

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.3.mo

2 4 6 7 NA's

4 1 1 1 162

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.3.pl

1 2 3 7 NA's

2 3 1 1 162

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.3.pl

1117 1552 1657 1826 NA's

1 4 1 1 162

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.3.qu

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1.010	2.500	4.010	3.187	4.010	4.270	162

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.3.so

22 NA's

7 162

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.3.vo

6.7 26.7 40 60 NA's

1 4 1 1 162

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.3.ye

2010 2011 NA's

1 6 162

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.4.bi

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
9.754e+07	5.785e+08	1.050e+09	7.798e+08	1.050e+09	1.054e+09	162

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.4.ce

5 10 23 NA's

1 5 1 162

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.4.co

0.05 0.12 0.15 0.16 NA's

4 1 1 1 162

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.4.da
 6 14 22 NA's
 1 5 1 162

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.4.is
 no NA's
 7 162

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.4.mo
 2 4 6 7 NA's
 4 1 1 1 162

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.4.pl
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 2.000 5.000 9.000 7.286 10.000 10.000 162

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.4.pl
 1118 1554 1658 1827 NA's
 1 4 1 1 162

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.4.qu
 1.01 2 4.27 NA's
 1 4 1 163

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.4.so
 22 23 NA's
 6 1 162

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.4.vo
 6.7 26.7 40 NA's
 1 1 4 163

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.4.ye
 2010 2011 NA's
 1 6 162

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.5.bi
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 1.040e+08 1.050e+09 1.050e+09 8.930e+08 1.050e+09 1.054e+09 163

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.5.ce
 1 9 23 NA's
 1 4 1 163

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.5.co
 0.05 0.15 0.16 NA's
 4 1 1 163


```

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.5.da
  14  22  29 NA's
   4   1   1 163

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.5.is
no NA's
  6 163

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.5.mo
  2   6  11 NA's
  4   1   1 163

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.5.pl
  1   2   3 NA's
  4   1   1 163

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.5.pl
1428 1556 1863 NA's
  1   4   1 163

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.5.qu
  1   2 NA's
  1   4 164

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.5.so
  22  23 NA's
  5   1 163

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.5.vo
6.67  40 NA's
  1   4 164

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.5.ye
2010 2011 NA's
  1   5 163

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.6.bo
tcga-af-2689-11a-01d-2294-05 tcga-af-3913-11a-01d-1613-24
                                     1                                     1
                                     NA's
                                     167

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.6.bo
5d9ca3e8-79b3-4aaf-a7c9-7a103e46736f 93f77504-f0c1-4e93-877b-14c055e9e532
                                     1                                     1
                                     NA's
                                     167

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.6.bi
120990284 1052625266 NA's
          1          1          167

```

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.6.ce
 5 24 NA's
 1 1 167

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.6.co
 0.15 NA's
 2 167

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.6.da
 4 31 NA's
 1 1 167

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.6.is
 no NA's
 2 167

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.6.mo
 3 6 NA's
 1 1 167

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.6.pl
 5 7 NA's
 1 1 167

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.6.pl
 1613 2294 NA's
 1 1 167

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.6.pl
 c h NA's
 1 1 167

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.6.qu
 1 6 NA's
 1 1 167

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.6.so
 22 NA's
 2 167

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.6.vo
 6.67 40 NA's
 1 1 167

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.6.ye
 2011 2012 NA's
 1 1 167

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.7.bo
 tcga-af-3913-11a-01d-1618-23 NA's
 1 168

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.7.bo
158c5edb-dbff-44d8-aebf-573c83596227 NA's
1 168

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.7.bi
1052626424 NA's
1 168

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.7.ce
23 NA's
1 168

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.7.co
0.15 NA's
1 168

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.7.da
22 NA's
1 168

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.7.is
no NA's
1 168

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.7.mo
3 NA's
1 168

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.7.pl
7 NA's
1 168

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.7.pl
1618 NA's
1 168

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.7.pl
c NA's
1 168

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.7.so
23 NA's
1 168

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.7.ye
2011 NA's
1 168

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.8.bo
tcga-af-3913-11a-01d-1989-10 NA's
1 168

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.8.bo
41d452bf-7340-4177-9bd7-a2fea5d13c99 NA's
1 168

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.8.bi
113628510 NA's
1 168

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.8.ce
10 NA's
1 168

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.8.co
0.15 NA's
1 168

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.8.da
31 NA's
1 168

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.8.is
no NA's
1 168

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.8.mo
8 NA's
1 168

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.8.pl
7 NA's
1 168

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.8.pl
1989 NA's
1 168

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.8.pl
f NA's
1 168

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.8.qu
3 NA's
1 168

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.8.so
22 NA's
1 168

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.8.vo
20 NA's
1 168

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.8.ye
2011 NA's
1 168

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.bios
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
9.885e+07 5.785e+08 1.050e+09 7.799e+08 1.050e+09 1.054e+09 162

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.cent
2 NA's
7 162

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.conc
0.12 0.15 0.16 NA's
1 4 2 162

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.day_
6 14 22 NA's
1 5 1 162

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.is_d
no NA's
7 162

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.mont
2 4 6 7 NA's
4 1 1 1 162

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.plat
1 2 3 7 NA's
2 3 1 1 162

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.plat
1115 1548 1655 1824 NA's
1 4 1 1 162

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.quan
1.2 2 2.13 NA's
1 4 2 162

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.sour
22 NA's
7 162

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.vol
10 13.3 NA's
1 6 162

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.year
 2010 2011 NA's
 1 6 162

patient.samples.sample.3.portions.portion.analytes.analyte.amount:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 16.0 137.0 146.4 198.4 251.9 448.9 162

patient.samples.sample.3.portions.portion.analytes.analyte.analyte_type:
 dna NA's
 7 162

patient.samples.sample.3.portions.portion.analytes.analyte.analyte_type_id:
 d NA's
 7 162

patient.samples.sample.3.portions.portion.analytes.analyte.concentration:
 0.12 0.15 0.16 NA's
 1 4 2 162

patient.samples.sample.3.portions.portion.analytes.analyte.dna.normal_tumor_genome
 yes NA's
 7 162

patient.samples.sample.3.portions.portion.analytes.analyte.dna.pcr_amplification
 no NA's
 7 162

patient.samples.sample.3.portions.portion.analytes.analyte.gel_image_file:
<https://sharedoc.nchri.org/tcga-bcr/default.aspx>
 7
 NA's
 162

patient.samples.sample.3.portions.portion.analytes.analyte.is_derived_from_ffpe:
 no NA's
 7 162

patient.samples.sample.3.portions.portion.analytes.analyte.protocols.protocol.extra
 adna preparation type pre-extracted dna received by tss
 6 1
 NA's
 162

patient.samples.sample.3.portions.portion.analytes.analyte.spectrophotometer_method
 uv spec NA's
 7 162

patient.samples.sample.3.portions.portion.analytes.analyte.subportion_sequence:
 1 NA's

1 168

patient.samples.sample.3.portions.portion.day_of_creation:

4 15 16 18 NA's
1 1 4 1 162

patient.samples.sample.3.portions.portion.is_ffpe:

no NA's
7 162

patient.samples.sample.3.portions.portion.month_of_creation:

2 3 4 12 NA's
1 1 1 4 162

patient.samples.sample.3.portions.portion.portion_number:

1 11 NA's
6 1 162

patient.samples.sample.3.portions.portion.slides.slide.2.bcr_slide_barcode:

tcga-af-3913-11a-01-ts1 NA's
1 168

patient.samples.sample.3.portions.portion.slides.slide.2.bcr_slide_uuid:

5c6a412c-af1b-4c42-8d64-a87904deb6c6 NA's
1 168

patient.samples.sample.3.portions.portion.slides.slide.2.image_file_name:

tcga-af-3913-11a-01-ts1.5c6a412c-af1b-4c42-8d64-a87904deb6c6.svs
1
NA's
168

patient.samples.sample.3.portions.portion.slides.slide.2.is_derived_from_ffpe:

no NA's
1 168

patient.samples.sample.3.portions.portion.slides.slide.2.section_location:

top NA's
1 168

patient.samples.sample.3.portions.portion.slides.slide.is_derived_from_ffpe:

no NA's
6 163

patient.samples.sample.3.portions.portion.slides.slide.section_location:

bottom top NA's
1 5 163

```

patient.samples.sample.3.portions.portion.weight:
  Min. 1st Qu.  Median    Mean 3rd Qu.  Max.   NA's
  30.00  61.25  64.50  67.33  68.50 115.00  163

patient.samples.sample.3.portions.portion.year_of_creation:
  2010 2011 NA's
    5   2 162

patient.samples.sample.3.sample_type:
blood derived normal  solid tissue normal      NA's
                1                6                162

patient.samples.sample.3.sample_type_id:
  10  11 NA's
   1   6 162

patient.samples.sample.3.shortest_dimension:
  Min. 1st Qu.  Median    Mean 3rd Qu.  Max.   NA's
  0.500  0.625  0.700  0.700  0.775  0.900  163

patient.samples.sample.3.vial_number:
  a NA's
  7 162

patient.samples.sample.days_to_collection:
  Min. 1st Qu.  Median    Mean 3rd Qu.  Max.   NA's
   26   354  1462  1615  2388  4107  136

patient.samples.sample.diagnostic_slides.ffpe_slide_uuid.2:
d7bb7792-df51-498b-9d16-fc26e219249f      NA's
                1                        168

patient.samples.sample.initial_weight:
  Min. 1st Qu.  Median    Mean 3rd Qu.  Max.   NA's
 130.0  170.0  290.0  324.8  410.0  780.0  136

patient.samples.sample.intermediate_dimension:
  Min. 1st Qu.  Median    Mean 3rd Qu.  Max.   NA's
 0.3000 0.6000 0.7000 0.7971 0.9000 2.1000  33

patient.samples.sample.is_ffpe:
  no
169

patient.samples.sample.longest_dimension:
  Min. 1st Qu.  Median    Mean 3rd Qu.  Max.   NA's
 0.300  0.900  1.000  1.202  1.425  3.300  33

```



```
patient.samples.sample.oct_embedded:  
false NA's  
33 136
```

```
patient.samples.sample.portions.portion.2.analytes.analyte.2.a260_a280_ratio:  
1.8 NA's  
1 168
```

```
patient.samples.sample.portions.portion.2.analytes.analyte.2.aliquots.aliquot.bo  
tcga-af-4110-01a-02r-1736-07 NA's  
1 168
```

```
patient.samples.sample.portions.portion.2.analytes.analyte.2.aliquots.aliquot.bo  
b4fa26df-1a2d-4f07-bee9-240c924ec651 NA's  
1 168
```

```
patient.samples.sample.portions.portion.2.analytes.analyte.2.aliquots.aliquot.bi  
107033558 NA's  
1 168
```

```
patient.samples.sample.portions.portion.2.analytes.analyte.2.aliquots.aliquot.ce  
7 NA's  
1 168
```

```
patient.samples.sample.portions.portion.2.analytes.analyte.2.aliquots.aliquot.co  
0.15 NA's  
1 168
```

```
patient.samples.sample.portions.portion.2.analytes.analyte.2.aliquots.aliquot.da  
4 NA's  
1 168
```

```
patient.samples.sample.portions.portion.2.analytes.analyte.2.aliquots.aliquot.is  
no NA's  
1 168
```

```
patient.samples.sample.portions.portion.2.analytes.analyte.2.aliquots.aliquot.mo  
5 NA's  
1 168
```

```
patient.samples.sample.portions.portion.2.analytes.analyte.2.aliquots.aliquot.pl  
1 NA's  
1 168
```

```
patient.samples.sample.portions.portion.2.analytes.analyte.2.aliquots.aliquot.pl  
1736 NA's  
1 168
```

```
patient.samples.sample.portions.portion.2.analytes.analyte.2.aliquots.aliquot.pl  
e NA's
```

```

1 168

patient.samples.sample.portions.portion.2.analytes.analyte.2.aliquots.aliquot.qu
4.01 NA's
1 168

patient.samples.sample.portions.portion.2.analytes.analyte.2.aliquots.aliquot.so
22 NA's
1 168

patient.samples.sample.portions.portion.2.analytes.analyte.2.aliquots.aliquot.vo
26.7 NA's
1 168

patient.samples.sample.portions.portion.2.analytes.analyte.2.aliquots.aliquot.ye
2011 NA's
1 168

patient.samples.sample.portions.portion.2.analytes.analyte.2.amount:
341.9 NA's
1 168

patient.samples.sample.portions.portion.2.analytes.analyte.2.analyte_type:
rna NA's
1 168

patient.samples.sample.portions.portion.2.analytes.analyte.2.analyte_type_id:
r NA's
1 168

patient.samples.sample.portions.portion.2.analytes.analyte.2.bcr_analyte_barcode
tcga-af-4110-01a-02r NA's
1 168

patient.samples.sample.portions.portion.2.analytes.analyte.2.bcr_analyte_uuid:
af5dfd2b-5c95-4f4e-bc7d-d888d66dccf9 NA's
1 168

patient.samples.sample.portions.portion.2.analytes.analyte.2.concentration:
0.15 NA's
1 168

patient.samples.sample.portions.portion.2.analytes.analyte.2.gel_image_file:
https://sharedoc.nchri.org/tcga-bcr/default.aspx
1
NA's
168

patient.samples.sample.portions.portion.2.analytes.analyte.2.is_derived_from_ffp
no NA's
1 168

```

patient.samples.sample.portions.portion.2.analytes.analyte.2.protocols.protocol.
allprep rna extraction NA's
1 168

patient.samples.sample.portions.portion.2.analytes.analyte.2.rna.ratio_28s_18s:
1.54 NA's
1 168

patient.samples.sample.portions.portion.2.analytes.analyte.2.rna.rinvalue:
8.8 NA's
1 168

patient.samples.sample.portions.portion.2.analytes.analyte.2.spectrophotometer_m
uv spec NA's
1 168

patient.samples.sample.portions.portion.2.analytes.analyte.3.aliquots.aliquot.bo
tcga-af-4110-01a-02t-1735-13 NA's
1 168

patient.samples.sample.portions.portion.2.analytes.analyte.3.aliquots.aliquot.bo
f8e5124b-281c-408a-8d24-5ce73e3ed3e1 NA's
1 168

patient.samples.sample.portions.portion.2.analytes.analyte.3.aliquots.aliquot.bi
107033078 NA's
1 168

patient.samples.sample.portions.portion.2.analytes.analyte.3.aliquots.aliquot.ce
13 NA's
1 168

patient.samples.sample.portions.portion.2.analytes.analyte.3.aliquots.aliquot.co
0.1 NA's
1 168

patient.samples.sample.portions.portion.2.analytes.analyte.3.aliquots.aliquot.da
4 NA's
1 168

patient.samples.sample.portions.portion.2.analytes.analyte.3.aliquots.aliquot.is
no NA's
1 168

patient.samples.sample.portions.portion.2.analytes.analyte.3.aliquots.aliquot.mo
5 NA's
1 168

patient.samples.sample.portions.portion.2.analytes.analyte.3.aliquots.aliquot.pl
1 NA's
1 168

```

patient.samples.sample.portions.portion.2.analytes.analyte.3.aliquots.aliquot.pl
1735 NA's
  1 168

patient.samples.sample.portions.portion.2.analytes.analyte.3.aliquots.aliquot.pl
  e NA's
  1 168

patient.samples.sample.portions.portion.2.analytes.analyte.3.aliquots.aliquot.qu
  3 NA's
  1 168

patient.samples.sample.portions.portion.2.analytes.analyte.3.aliquots.aliquot.sc
  22 NA's
  1 168

patient.samples.sample.portions.portion.2.analytes.analyte.3.aliquots.aliquot.vo
  30 NA's
  1 168

patient.samples.sample.portions.portion.2.analytes.analyte.3.aliquots.aliquot.ye
2011 NA's
  1 168

patient.samples.sample.portions.portion.2.analytes.analyte.3.amount:
200.5 NA's
  1 168

patient.samples.sample.portions.portion.2.analytes.analyte.3.analyte_type:
total rna      NA's
  1          168

patient.samples.sample.portions.portion.2.analytes.analyte.3.analyte_type_id:
  t NA's
  1 168

patient.samples.sample.portions.portion.2.analytes.analyte.3.bcr_analyte_barcode
tcga-af-4110-01a-02t      NA's
  1                      168

patient.samples.sample.portions.portion.2.analytes.analyte.3.bcr_analyte_uuid:
1df92bf9-a3dc-4324-ac1f-f2256703286b      NA's
  1                                         168

patient.samples.sample.portions.portion.2.analytes.analyte.3.concentration:
  0.1 NA's
  1 168

patient.samples.sample.portions.portion.2.analytes.analyte.3.gel_image_file:
https://sharedoc.nchri.org/tcga-bcr/default.aspx
  1
  NA's

```

168

```
patient.samples.sample.portions.portion.2.analytes.analyte.3.is_derived_from_ffp
no NA's
1 168

patient.samples.sample.portions.portion.2.analytes.analyte.3.protocols.protocol.
total rna      NA's
1             168

patient.samples.sample.portions.portion.2.analytes.analyte.3.rna.ratio_28s_18s:
1.42 NA's
1 168

patient.samples.sample.portions.portion.2.analytes.analyte.3.rna.rinvalue:
7.7 NA's
1 168

patient.samples.sample.portions.portion.2.analytes.analyte.3.spectrophotometer_m
uv spec      NA's
1           168

patient.samples.sample.portions.portion.2.analytes.analyte.4.aliquots.aliquot.bo
tcga-af-4110-01a-02w-1796-10      NA's
1                                 168

patient.samples.sample.portions.portion.2.analytes.analyte.4.aliquots.aliquot.bo
0c4da890-540b-4e09-a65c-4158ad7b04d6      NA's
1                                           168

patient.samples.sample.portions.portion.2.analytes.analyte.4.aliquots.aliquot.bi
107043135      NA's
1             168

patient.samples.sample.portions.portion.2.analytes.analyte.4.aliquots.aliquot.ce
10 NA's
1 168

patient.samples.sample.portions.portion.2.analytes.analyte.4.aliquots.aliquot.co
0.5 NA's
1 168

patient.samples.sample.portions.portion.2.analytes.analyte.4.aliquots.aliquot.da
1 NA's
1 168

patient.samples.sample.portions.portion.2.analytes.analyte.4.aliquots.aliquot.is
no NA's
1 168

patient.samples.sample.portions.portion.2.analytes.analyte.4.aliquots.aliquot.mo
6 NA's
```

```
1 168

patient.samples.sample.portions.portion.2.analytes.analyte.4.aliquots.aliquot.pl
1 NA's
1 168

patient.samples.sample.portions.portion.2.analytes.analyte.4.aliquots.aliquot.pl
1796 NA's
1 168

patient.samples.sample.portions.portion.2.analytes.analyte.4.aliquots.aliquot.pl
f NA's
1 168

patient.samples.sample.portions.portion.2.analytes.analyte.4.aliquots.aliquot.qu
40 NA's
1 168

patient.samples.sample.portions.portion.2.analytes.analyte.4.aliquots.aliquot.sc
22 NA's
1 168

patient.samples.sample.portions.portion.2.analytes.analyte.4.aliquots.aliquot.vo
80 NA's
1 168

patient.samples.sample.portions.portion.2.analytes.analyte.4.aliquots.aliquot.ye
2011 NA's
1 168

patient.samples.sample.portions.portion.2.analytes.analyte.4.amount:
179 NA's
1 168

patient.samples.sample.portions.portion.2.analytes.analyte.4.analyte_type:
repli-g (qiagen) dna NA's
1 168

patient.samples.sample.portions.portion.2.analytes.analyte.4.analyte_type_id:
w NA's
1 168

patient.samples.sample.portions.portion.2.analytes.analyte.4.bcr_analyte_barcode
tcga-af-4110-01a-02w NA's
1 168

patient.samples.sample.portions.portion.2.analytes.analyte.4.bcr_analyte_uuid:
19a35fd7-ce5e-4d7d-b9cf-daf35511e0aa NA's
1 168

patient.samples.sample.portions.portion.2.analytes.analyte.4.concentration:
0.5 NA's
```

```
1 168

patient.samples.sample.portions.portion.2.analytes.analyte.4.dna.normal_tumor_ge
yes NA's
1 168

patient.samples.sample.portions.portion.2.analytes.analyte.4.dna.pcr_amplificati
no NA's
1 168

patient.samples.sample.portions.portion.2.analytes.analyte.4.gel_image_file:
https://sharedoc.nchri.org/tcga-bcr/default.aspx
1
NA's
168

patient.samples.sample.portions.portion.2.analytes.analyte.4.is_derived_from_ffp
no NA's
1 168

patient.samples.sample.portions.portion.2.analytes.analyte.4.protocols.protocol.
repli-g NA's
1 168

patient.samples.sample.portions.portion.2.analytes.analyte.4.spectrophotometer_m
uv spec NA's
1 168

patient.samples.sample.portions.portion.2.analytes.analyte.a260_a280_ratio:
1.89 1.9 1.98 NA's
1 2 2 164

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.2.bo
tcga-af-4110-01a-02d-1732-01 NA's
1 168

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.2.bo
74a25ecb-fb62-474b-8816-d07ff9fe8011 NA's
1 168

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.2.bi
107033174 NA's
1 168

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.2.ce
1 NA's
1 168

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.2.co
0.16 NA's
1 168
```

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.2.da
 4 NA's
 1 168

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.2.is
 no NA's
 1 168

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.2.mo
 5 NA's
 1 168

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.2.pl
 1 NA's
 1 168

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.2.pl
 1732 NA's
 1 168

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.2.pl
 e NA's
 1 168

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.2.qu
 1.07 NA's
 1 168

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.2.so
 22 NA's
 1 168

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.2.vo
 6.67 NA's
 1 168

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.2.ye
 2011 NA's
 1 168

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.3.bo
 tcga-af-4110-01a-02d-1733-10 NA's
 1 168

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.3.bo
 2794481a-dadf-4ccc-a915-e5189600c7e4 NA's
 1 168

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.3.bi
 107018582 NA's
 1 168

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.3.ce
10 NA's
1 168

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.3.co
0.05 NA's
1 168

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.3.da
4 NA's
1 168

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.3.is
no NA's
1 168

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.3.mo
5 NA's
1 168

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.3.pl
1 NA's
1 168

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.3.pl
1733 NA's
1 168

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.3.pl
e NA's
1 168

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.3.qu
3 NA's
1 168

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.3.so
22 NA's
1 168

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.3.vo
60 NA's
1 168

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.3.ye
2011 NA's
1 168

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.4.bo
tcga-af-4110-01a-02d-1734-05 NA's
1 168

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.4.bo
a1204547-14db-4af5-82e1-c2d2d24d9a40 NA's
1 168

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.4.bi
107033846 NA's
1 168

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.4.ce
5 NA's
1 168

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.4.co
0.16 NA's
1 168

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.4.da
4 NA's
1 168

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.4.is
no NA's
1 168

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.4.mo
5 NA's
1 168

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.4.pl
1 NA's
1 168

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.4.pl
1734 NA's
1 168

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.4.pl
e NA's
1 168

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.4.qu
2.13 NA's
1 168

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.4.so
22 NA's
1 168

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.4.vo
13.3 NA's
1 168

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.4.ye
2011 NA's
1 168

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.5.bo
tcga-af-4110-01a-02d-1863-23 NA's
1 168

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.5.bo
f1501a47-873e-47ad-8007-celc0ad95445 NA's
1 168

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.5.bi
1053965003 NA's
1 168

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.5.ce
23 NA's
1 168

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.5.co
0.16 NA's
1 168

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.5.da
29 NA's
1 168

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.5.is
no NA's
1 168

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.5.mo
6 NA's
1 168

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.5.pl
5 NA's
1 168

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.5.pl
1863 NA's
1 168

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.5.pl
e NA's
1 168

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.5.so
23 NA's
1 168

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.5.ye
 2011 NA's
 1 168

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.bios
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 99036088 99050952 99066189 100936953 100512762 107018774 164

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.cent
 1 2 13 NA's
 1 1 3 164

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.conc
 0.14 0.16 0.17 NA's
 2 2 1 164

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.day_
 4 8 23 NA's
 1 3 1 164

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.is_d
 no NA's
 5 164

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.mont
 5 8 9 NA's
 1 1 3 164

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.plat
 1 4 6 7 NA's
 1 1 1 2 164

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.plat
 1181 1731 a076 NA's
 1 1 3 164

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.quant
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 0.940 2.130 2.800 2.494 3.200 3.400 164

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.sour
 22 23 NA's
 2 3 164

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.vol
 6.7 13.3 20 NA's
 1 1 3 164

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.year

2010 2011 NA's
 4 1 164

patient.samples.sample.portions.portion.2.analytes.analyte.amount:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 62.12 96.57 132.29 195.88 203.00 485.40 164

patient.samples.sample.portions.portion.2.analytes.analyte.analyte_type:
 dna rna NA's
 2 3 164

patient.samples.sample.portions.portion.2.analytes.analyte.analyte_type_id:
 d r NA's
 2 3 164

patient.samples.sample.portions.portion.2.analytes.analyte.concentration:
 0.14 0.16 0.17 NA's
 2 2 1 164

patient.samples.sample.portions.portion.2.analytes.analyte.dna.normal_tumor_genotype:
 yes NA's
 2 167

patient.samples.sample.portions.portion.2.analytes.analyte.dna.pcr_amplification:
 no NA's
 2 167

patient.samples.sample.portions.portion.2.analytes.analyte.gel_image_file:
<https://sharedoc.nchri.org/tcga-bcr/default.aspx>
 5
 NA's
 164

patient.samples.sample.portions.portion.2.analytes.analyte.is_derived_from_ffpe:
 no NA's
 5 164

patient.samples.sample.portions.portion.2.analytes.analyte.protocols.protocol.execution:
 adna preparation type mirvana (allprep dna) rna NA's
 2 3 164

patient.samples.sample.portions.portion.2.analytes.analyte.rna.ratio_28s_18s:
 1.5 1.6 NA's
 1 2 166

patient.samples.sample.portions.portion.2.analytes.analyte.rna.rinvalue:
 7.6 7.8 9.1 NA's
 1 1 1 166

patient.samples.sample.portions.portion.2.analytes.analyte.spectrophotometer_method:

NA's
165

patient.samples.sample.portions.portion.2.slides.slide.2.is_derived_from_ffpe:
no NA's
4 165

patient.samples.sample.portions.portion.2.slides.slide.2.percent_lymphocyte_infi
3 4 15 NA's
1 1 1 166

patient.samples.sample.portions.portion.2.slides.slide.2.percent_monocyte_infilt
1 2 NA's
1 2 166

patient.samples.sample.portions.portion.2.slides.slide.2.percent_necrosis:
1 2 3 NA's
1 1 2 165

patient.samples.sample.portions.portion.2.slides.slide.2.percent_neutrophil_infi
0 1 3 NA's
1 1 1 166

patient.samples.sample.portions.portion.2.slides.slide.2.percent_normal_cells:
10 15 37 70 NA's
1 1 1 1 165

patient.samples.sample.portions.portion.2.slides.slide.2.percent_stromal_cells:
0 3 5 18 NA's
1 1 1 1 165

patient.samples.sample.portions.portion.2.slides.slide.2.percent_tumor_cells:
24 55 70 84 NA's
1 1 1 1 165

patient.samples.sample.portions.portion.2.slides.slide.2.percent_tumor_nuclei:
25 60 75 NA's
1 1 2 165

patient.samples.sample.portions.portion.2.slides.slide.2.section_location:
bottom NA's
4 165

patient.samples.sample.portions.portion.2.slides.slide.is_derived_from_ffpe:
no NA's
5 164

patient.samples.sample.portions.portion.2.slides.slide.percent_lymphocyte_infilt
5 12 15 NA's

```

1      1      1  166

patient.samples.sample.portions.portion.2.slides.slide.percent_monocyte_infiltration:
0      3 NA's
1      2  166

patient.samples.sample.portions.portion.2.slides.slide.percent_necrosis:
1      2      5 NA's
1      2      2  164

patient.samples.sample.portions.portion.2.slides.slide.percent_neutrophil_infiltration:
0      2 NA's
1      2  166

patient.samples.sample.portions.portion.2.slides.slide.percent_normal_cells:
0      5      40      70 NA's
2      1      1      1  164

patient.samples.sample.portions.portion.2.slides.slide.percent_stromal_cells:
5      8      14 NA's
2      2      1  164

patient.samples.sample.portions.portion.2.slides.slide.percent_tumor_cells:
20     50     85     90 NA's
1      1      2      1  164

patient.samples.sample.portions.portion.2.slides.slide.percent_tumor_nuclei:
50     60     75     90 NA's
1      1      2      1  164

patient.samples.sample.portions.portion.2.slides.slide.section_location:
top NA's
5      164

patient.samples.sample.portions.portion.2.weight:
20     30     151 NA's
1      3      1  164

patient.samples.sample.portions.portion.2.year_of_creation:
2010 2012 NA's
4      1  164

patient.samples.sample.portions.portion.3.analytes.analyte.2.a260_a280_ratio:
1.76 NA's
1      168

patient.samples.sample.portions.portion.3.analytes.analyte.2.aliquots.aliquot.batch:
tcga-ag-a026-01a-32r-a082-13 NA's
1 168

patient.samples.sample.portions.portion.3.analytes.analyte.2.aliquots.aliquot.batch:
80d3c384-e339-42f8-9c32-549fed1a1f52 NA's

```


1

168

patient.samples.sample.portions.portion.3.analytes.analyte.2.aliquots.aliquot.bi
99026161 NA's
1 168

patient.samples.sample.portions.portion.3.analytes.analyte.2.aliquots.aliquot.ce
13 NA's
1 168

patient.samples.sample.portions.portion.3.analytes.analyte.2.aliquots.aliquot.co
0.16 NA's
1 168

patient.samples.sample.portions.portion.3.analytes.analyte.2.aliquots.aliquot.da
22 NA's
1 168

patient.samples.sample.portions.portion.3.analytes.analyte.2.aliquots.aliquot.is
no NA's
1 168

patient.samples.sample.portions.portion.3.analytes.analyte.2.aliquots.aliquot.mo
9 NA's
1 168

patient.samples.sample.portions.portion.3.analytes.analyte.2.aliquots.aliquot.pl
4 NA's
1 168

patient.samples.sample.portions.portion.3.analytes.analyte.2.aliquots.aliquot.pl
a082 NA's
1 168

patient.samples.sample.portions.portion.3.analytes.analyte.2.aliquots.aliquot.pl
c NA's
1 168

patient.samples.sample.portions.portion.3.analytes.analyte.2.aliquots.aliquot.qu
3.2 NA's
1 168

patient.samples.sample.portions.portion.3.analytes.analyte.2.aliquots.aliquot.so
23 NA's
1 168

patient.samples.sample.portions.portion.3.analytes.analyte.2.aliquots.aliquot.vo
20 NA's
1 168

patient.samples.sample.portions.portion.3.analytes.analyte.2.aliquots.aliquot.ye
2010 NA's

1 168

patient.samples.sample.portions.portion.3.analytes.analyte.2.amount:
56.03 NA's
1 168

patient.samples.sample.portions.portion.3.analytes.analyte.2.analyte_type:
rna NA's
1 168

patient.samples.sample.portions.portion.3.analytes.analyte.2.analyte_type_id:
r NA's
1 168

patient.samples.sample.portions.portion.3.analytes.analyte.2.bcr_analyte_barcode:
tcga-ag-a026-01a-32r NA's
1 168

patient.samples.sample.portions.portion.3.analytes.analyte.2.bcr_analyte_uuid:
98560496-0080-461e-83e8-e98a978fc01d NA's
1 168

patient.samples.sample.portions.portion.3.analytes.analyte.2.concentration:
0.16 NA's
1 168

patient.samples.sample.portions.portion.3.analytes.analyte.2.gel_image_file:
<https://sharedoc.nchri.org/tcga-bcr/default.aspx>
1
NA's
168

patient.samples.sample.portions.portion.3.analytes.analyte.2.is_derived_from_ffp:
no NA's
1 168

patient.samples.sample.portions.portion.3.analytes.analyte.2.protocols.protocol:
mirvana (allprep dna) rna NA's
1 168

patient.samples.sample.portions.portion.3.analytes.analyte.2.rna.ratio_28s_18s:
1.7 NA's
1 168

patient.samples.sample.portions.portion.3.analytes.analyte.2.rna.rinvalue:
8.2 NA's
1 168

patient.samples.sample.portions.portion.3.analytes.analyte.2.spectrophotometer_m
uv spec NA's
1 168

```
patient.samples.sample.portions.portion.3.analytes.analyte.2.subportion_sequence
  2 NA's
  1 168

patient.samples.sample.portions.portion.3.analytes.analyte.3.a260_a280_ratio:
1.85 NA's
  1 168

patient.samples.sample.portions.portion.3.analytes.analyte.3.aliquots.aliquot.bo
tcga-ag-a026-01a-32r-a083-07 NA's
                                1 168

patient.samples.sample.portions.portion.3.analytes.analyte.3.aliquots.aliquot.bo
ddd5720b-3ee3-4c0d-91a1-e7925d1a46fd NA's
                                1 168

patient.samples.sample.portions.portion.3.analytes.analyte.3.aliquots.aliquot.bi
99027197 NA's
  1 168

patient.samples.sample.portions.portion.3.analytes.analyte.3.aliquots.aliquot.ce
  7 NA's
  1 168

patient.samples.sample.portions.portion.3.analytes.analyte.3.aliquots.aliquot.co
0.14 NA's
  1 168

patient.samples.sample.portions.portion.3.analytes.analyte.3.aliquots.aliquot.da
  22 NA's
  1 168

patient.samples.sample.portions.portion.3.analytes.analyte.3.aliquots.aliquot.is
no NA's
  1 168

patient.samples.sample.portions.portion.3.analytes.analyte.3.aliquots.aliquot.mo
  9 NA's
  1 168

patient.samples.sample.portions.portion.3.analytes.analyte.3.aliquots.aliquot.pl
  4 NA's
  1 168

patient.samples.sample.portions.portion.3.analytes.analyte.3.aliquots.aliquot.pl
a083 NA's
  1 168

patient.samples.sample.portions.portion.3.analytes.analyte.3.aliquots.aliquot.pl
c NA's
  1 168
```

```

patient.samples.sample.portions.portion.3.analytes.analyte.3.aliquots.aliquot.qu
3.74 NA's
  1 168

patient.samples.sample.portions.portion.3.analytes.analyte.3.aliquots.aliquot.so
23 NA's
  1 168

patient.samples.sample.portions.portion.3.analytes.analyte.3.aliquots.aliquot.vo
26.7 NA's
  1 168

patient.samples.sample.portions.portion.3.analytes.analyte.3.aliquots.aliquot.ye
2010 NA's
  1 168

patient.samples.sample.portions.portion.3.analytes.analyte.3.amount:
51.26 NA's
  1 168

patient.samples.sample.portions.portion.3.analytes.analyte.3.analyte_type:
rna NA's
  1 168

patient.samples.sample.portions.portion.3.analytes.analyte.3.analyte_type_id:
r NA's
  1 168

patient.samples.sample.portions.portion.3.analytes.analyte.3.bcr_analyte_barcode
tcga-ag-a026-01a-32r NA's
  1 168

patient.samples.sample.portions.portion.3.analytes.analyte.3.bcr_analyte_uuid:
98560496-0080-461e-83e8-e98a978fc01d NA's
  1 168

patient.samples.sample.portions.portion.3.analytes.analyte.3.concentration:
0.14 NA's
  1 168

patient.samples.sample.portions.portion.3.analytes.analyte.3.gel_image_file:
https://sharedoc.nchri.org/tcga-bcr/default.aspx
  1
  NA's
  168

patient.samples.sample.portions.portion.3.analytes.analyte.3.is_derived_from_ffp
no NA's
  1 168

patient.samples.sample.portions.portion.3.analytes.analyte.3.protocols.protocol.
allprep rna extraction NA's

```

1 168

patient.samples.sample.portions.portion.3.analytes.analyte.3.rna.ratio_28s_18s:

1.5 NA's

1 168

patient.samples.sample.portions.portion.3.analytes.analyte.3.rna.rinvalue:

8.1 NA's

1 168

patient.samples.sample.portions.portion.3.analytes.analyte.3.spectrophotometer_m

uv spec NA's

1 168

patient.samples.sample.portions.portion.3.analytes.analyte.3.subportion_sequence

2 NA's

1 168

patient.samples.sample.portions.portion.3.analytes.analyte.4.aliquots.aliquot.bo

tcga-ag-a026-01a-32w-a096-10

NA's

1

168

patient.samples.sample.portions.portion.3.analytes.analyte.4.aliquots.aliquot.bo

b7fe7664-cf0d-45e3-b7cd-c3c4dfb88ccc

NA's

1

168

patient.samples.sample.portions.portion.3.analytes.analyte.4.aliquots.aliquot.bi

100489954 NA's

1 168

patient.samples.sample.portions.portion.3.analytes.analyte.4.aliquots.aliquot.ce

10 NA's

1 168

patient.samples.sample.portions.portion.3.analytes.analyte.4.aliquots.aliquot.co

0.5 NA's

1 168

patient.samples.sample.portions.portion.3.analytes.analyte.4.aliquots.aliquot.da

6 NA's

1 168

patient.samples.sample.portions.portion.3.analytes.analyte.4.aliquots.aliquot.is

no NA's

1 168

patient.samples.sample.portions.portion.3.analytes.analyte.4.aliquots.aliquot.mo

10 NA's

1 168

patient.samples.sample.portions.portion.3.analytes.analyte.4.aliquots.aliquot.pl

6 NA's

1 168

patient.samples.sample.portions.portion.3.analytes.analyte.4.aliquots.aliquot.pl
a096 NA's

1 168

patient.samples.sample.portions.portion.3.analytes.analyte.4.aliquots.aliquot.pl
d NA's

1 168

patient.samples.sample.portions.portion.3.analytes.analyte.4.aliquots.aliquot.qu
40 NA's

1 168

patient.samples.sample.portions.portion.3.analytes.analyte.4.aliquots.aliquot.so
23 NA's

1 168

patient.samples.sample.portions.portion.3.analytes.analyte.4.aliquots.aliquot.vo
80 NA's

1 168

patient.samples.sample.portions.portion.3.analytes.analyte.4.aliquots.aliquot.ye
2010 NA's

1 168

patient.samples.sample.portions.portion.3.analytes.analyte.4.analyte_type:
repli-g (qiagen) dna NA's

1 168

patient.samples.sample.portions.portion.3.analytes.analyte.4.analyte_type_id:
w NA's

1 168

patient.samples.sample.portions.portion.3.analytes.analyte.4.bcr_analyte_barcode
tcga-ag-a026-01a-32w NA's

1 168

patient.samples.sample.portions.portion.3.analytes.analyte.4.bcr_analyte_uuid:
79223a2d-5272-4c3c-9da8-bccf3cd30dc3 NA's

1 168

patient.samples.sample.portions.portion.3.analytes.analyte.4.dna.normal_tumor_ge
yes NA's

1 168

patient.samples.sample.portions.portion.3.analytes.analyte.4.dna.pcr_amplificati
yes NA's

1 168

patient.samples.sample.portions.portion.3.analytes.analyte.4.gel_image_file:
<https://sharedoc.nchri.org/tcga-bcr/default.aspx>

1
NA's
168

patient.samples.sample.portions.portion.3.analytes.analyte.4.is_derived_from_ffp
no NA's
1 168

patient.samples.sample.portions.portion.3.analytes.analyte.4.protocols.protocol.
repli-g NA's
1 168

patient.samples.sample.portions.portion.3.analytes.analyte.4.subportion_sequence
2 NA's
1 168

patient.samples.sample.portions.portion.3.analytes.analyte.5.aliquots.aliquot.bo
tcga-ag-a026-01a-32x-a095-10 NA's
1 168

patient.samples.sample.portions.portion.3.analytes.analyte.5.aliquots.aliquot.bo
34855b20-9ccc-4050-86eb-2f3258fce529 NA's
1 168

patient.samples.sample.portions.portion.3.analytes.analyte.5.aliquots.aliquot.bi
99029514 NA's
1 168

patient.samples.sample.portions.portion.3.analytes.analyte.5.aliquots.aliquot.ce
10 NA's
1 168

patient.samples.sample.portions.portion.3.analytes.analyte.5.aliquots.aliquot.co
0.5 NA's
1 168

patient.samples.sample.portions.portion.3.analytes.analyte.5.aliquots.aliquot.da
6 NA's
1 168

patient.samples.sample.portions.portion.3.analytes.analyte.5.aliquots.aliquot.is
no NA's
1 168

patient.samples.sample.portions.portion.3.analytes.analyte.5.aliquots.aliquot.mo
10 NA's
1 168

patient.samples.sample.portions.portion.3.analytes.analyte.5.aliquots.aliquot.pl
6 NA's
1 168

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patient.samples.sample.portions.portion.3.analytes.analyte.5.aliquots.aliquot.pl
a095 NA's
  1 168

patient.samples.sample.portions.portion.3.analytes.analyte.5.aliquots.aliquot.pl
d NA's
  1 168

patient.samples.sample.portions.portion.3.analytes.analyte.5.aliquots.aliquot.qu
40 NA's
  1 168

patient.samples.sample.portions.portion.3.analytes.analyte.5.aliquots.aliquot.sc
23 NA's
  1 168

patient.samples.sample.portions.portion.3.analytes.analyte.5.aliquots.aliquot.vo
80 NA's
  1 168

patient.samples.sample.portions.portion.3.analytes.analyte.5.aliquots.aliquot.ye
2010 NA's
  1 168

patient.samples.sample.portions.portion.3.analytes.analyte.5.analyte_type:
repli-g x (qiagen) dna NA's
  1 168

patient.samples.sample.portions.portion.3.analytes.analyte.5.analyte_type_id:
x NA's
  1 168

patient.samples.sample.portions.portion.3.analytes.analyte.5.bcr_analyte_barcode
tcga-ag-a026-01a-32x NA's
  1 168

patient.samples.sample.portions.portion.3.analytes.analyte.5.bcr_analyte_uuid:
e067e7ae-1e41-4afa-9bac-f3454f3ce2238 NA's
  1 168

patient.samples.sample.portions.portion.3.analytes.analyte.5.dna.normal_tumor_ge
yes NA's
  1 168

patient.samples.sample.portions.portion.3.analytes.analyte.5.dna.pcr_amplificati
yes NA's
  1 168

patient.samples.sample.portions.portion.3.analytes.analyte.5.gel_image_file:
https://sharedoc.nchri.org/tcga-bcr/default.aspx
  1
  NA's

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168

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patient.samples.sample.portions.portion.3.analytes.analyte.5.is_derived_from_ffp
no NA's
1 168

patient.samples.sample.portions.portion.3.analytes.analyte.5.protocols.protocol.
repli-g x      NA's
1          168

patient.samples.sample.portions.portion.3.analytes.analyte.5.subportion_sequence
2 NA's
1 168

patient.samples.sample.portions.portion.3.analytes.analyte.a260_a280_ratio:
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.   NA's
1.790  1.830   1.910   1.886  1.940   1.970   160

patient.samples.sample.portions.portion.3.analytes.analyte.aliquots.aliquot.2.bo
tcga-ag-a026-01a-32d-a079-02      NA's
1                                168

patient.samples.sample.portions.portion.3.analytes.analyte.aliquots.aliquot.2.bo
9a12344e-d311-43cf-ad9d-19fa8a89d111      NA's
1                                168

patient.samples.sample.portions.portion.3.analytes.analyte.aliquots.aliquot.2.bi
99015448      NA's
1            168

patient.samples.sample.portions.portion.3.analytes.analyte.aliquots.aliquot.2.ce
2 NA's
1 168

patient.samples.sample.portions.portion.3.analytes.analyte.aliquots.aliquot.2.co
0.15 NA's
1 168

patient.samples.sample.portions.portion.3.analytes.analyte.aliquots.aliquot.2.da
22 NA's
1 168

patient.samples.sample.portions.portion.3.analytes.analyte.aliquots.aliquot.2.is
no NA's
1 168

patient.samples.sample.portions.portion.3.analytes.analyte.aliquots.aliquot.2.mo
9 NA's
1 168

patient.samples.sample.portions.portion.3.analytes.analyte.aliquots.aliquot.2.pl
5 NA's

```

1 168

patient.samples.sample.portions.portion.3.analytes.analyte.aliquots.aliquot.2.pl
a079 NA's

1 168

patient.samples.sample.portions.portion.3.analytes.analyte.aliquots.aliquot.2.pl
d NA's

1 168

patient.samples.sample.portions.portion.3.analytes.analyte.aliquots.aliquot.2.qu
1.95 NA's

1 168

patient.samples.sample.portions.portion.3.analytes.analyte.aliquots.aliquot.2.sc
23 NA's

1 168

patient.samples.sample.portions.portion.3.analytes.analyte.aliquots.aliquot.2.vo
13 NA's

1 168

patient.samples.sample.portions.portion.3.analytes.analyte.aliquots.aliquot.2.ye
2010 NA's

1 168

patient.samples.sample.portions.portion.3.analytes.analyte.aliquots.aliquot.3.bo
tcga-ag-a026-01a-32d-a080-01 NA's

1

168

patient.samples.sample.portions.portion.3.analytes.analyte.aliquots.aliquot.3.bo
0e2365ab-f8ff-401a-bb6e-c75dd6f752f2 NA's

1

168

patient.samples.sample.portions.portion.3.analytes.analyte.aliquots.aliquot.3.bi
99015419 NA's

1

168

patient.samples.sample.portions.portion.3.analytes.analyte.aliquots.aliquot.3.ce
1 NA's

1 168

patient.samples.sample.portions.portion.3.analytes.analyte.aliquots.aliquot.3.co
0.15 NA's

1 168

patient.samples.sample.portions.portion.3.analytes.analyte.aliquots.aliquot.3.da
22 NA's

1 168

patient.samples.sample.portions.portion.3.analytes.analyte.aliquots.aliquot.3.is
no NA's

1 168
patient.samples.sample.portions.portion.3.analytes.analyte.aliquots.aliquot.3.mo
9 NA's
1 168
patient.samples.sample.portions.portion.3.analytes.analyte.aliquots.aliquot.3.pl
5 NA's
1 168
patient.samples.sample.portions.portion.3.analytes.analyte.aliquots.aliquot.3.pl
a080 NA's
1 168
patient.samples.sample.portions.portion.3.analytes.analyte.aliquots.aliquot.3.pl
d NA's
1 168
patient.samples.sample.portions.portion.3.analytes.analyte.aliquots.aliquot.3.qu
1 NA's
1 168
patient.samples.sample.portions.portion.3.analytes.analyte.aliquots.aliquot.3.so
23 NA's
1 168
patient.samples.sample.portions.portion.3.analytes.analyte.aliquots.aliquot.3.vo
6.67 NA's
1 168
patient.samples.sample.portions.portion.3.analytes.analyte.aliquots.aliquot.3.ye
2010 NA's
1 168
patient.samples.sample.portions.portion.3.analytes.analyte.aliquots.aliquot.4.bo
tcga-ag-a026-01a-32d-a081-05 NA's
1 168
patient.samples.sample.portions.portion.3.analytes.analyte.aliquots.aliquot.4.bo
e2ebe633-e76f-4e04-bfe0-a6711027e8e0 NA's
1 168
patient.samples.sample.portions.portion.3.analytes.analyte.aliquots.aliquot.4.bi
99015459 NA's
1 168
patient.samples.sample.portions.portion.3.analytes.analyte.aliquots.aliquot.4.ce
5 NA's
1 168
patient.samples.sample.portions.portion.3.analytes.analyte.aliquots.aliquot.4.co
0.15 NA's

1 168
 patient.samples.sample.portions.portion.3.analytes.analyte.aliquots.aliquot.4.da
 22 NA's
 1 168
 patient.samples.sample.portions.portion.3.analytes.analyte.aliquots.aliquot.4.is
 no NA's
 1 168
 patient.samples.sample.portions.portion.3.analytes.analyte.aliquots.aliquot.4.mo
 9 NA's
 1 168
 patient.samples.sample.portions.portion.3.analytes.analyte.aliquots.aliquot.4.pl
 5 NA's
 1 168
 patient.samples.sample.portions.portion.3.analytes.analyte.aliquots.aliquot.4.pl
 a081 NA's
 1 168
 patient.samples.sample.portions.portion.3.analytes.analyte.aliquots.aliquot.4.pl
 d NA's
 1 168
 patient.samples.sample.portions.portion.3.analytes.analyte.aliquots.aliquot.4.qu
 4.01 NA's
 1 168
 patient.samples.sample.portions.portion.3.analytes.analyte.aliquots.aliquot.4.so
 23 NA's
 1 168
 patient.samples.sample.portions.portion.3.analytes.analyte.aliquots.aliquot.4.vo
 26.7 NA's
 1 168
 patient.samples.sample.portions.portion.3.analytes.analyte.aliquots.aliquot.4.ye
 2010 NA's
 1 168
 patient.samples.sample.portions.portion.3.analytes.analyte.aliquots.aliquot.5.bo
 tcga-ag-a026-01a-32d-a094-10 NA's
 1 168
 patient.samples.sample.portions.portion.3.analytes.analyte.aliquots.aliquot.5.bo
 c14b0ec9-6195-48ea-be3f-0c778ab670cb NA's
 1 168
 patient.samples.sample.portions.portion.3.analytes.analyte.aliquots.aliquot.5.bi
 100489879 NA's

1 168

patient.samples.sample.portions.portion.3.analytes.analyte.aliquots.aliquot.5.ce

10 NA's

1 168

patient.samples.sample.portions.portion.3.analytes.analyte.aliquots.aliquot.5.co

0.08 NA's

1 168

patient.samples.sample.portions.portion.3.analytes.analyte.aliquots.aliquot.5.da

6 NA's

1 168

patient.samples.sample.portions.portion.3.analytes.analyte.aliquots.aliquot.5.is

no NA's

1 168

patient.samples.sample.portions.portion.3.analytes.analyte.aliquots.aliquot.5.mo

10 NA's

1 168

patient.samples.sample.portions.portion.3.analytes.analyte.aliquots.aliquot.5.pl

6 NA's

1 168

patient.samples.sample.portions.portion.3.analytes.analyte.aliquots.aliquot.5.pl

a094 NA's

1 168

patient.samples.sample.portions.portion.3.analytes.analyte.aliquots.aliquot.5.pl

d NA's

1 168

patient.samples.sample.portions.portion.3.analytes.analyte.aliquots.aliquot.5.qu

2.08 NA's

1 168

patient.samples.sample.portions.portion.3.analytes.analyte.aliquots.aliquot.5.so

23 NA's

1 168

patient.samples.sample.portions.portion.3.analytes.analyte.aliquots.aliquot.5.vo

26 NA's

1 168

patient.samples.sample.portions.portion.3.analytes.analyte.aliquots.aliquot.5.ye

2010 NA's

1 168

patient.samples.sample.portions.portion.3.analytes.analyte.aliquots.aliquot.6.bo

tcga-ag-a026-01a-32d-a13g-24

NA's

1

168

patient.samples.sample.portions.portion.3.analytes.analyte.aliquots.aliquot.6.bo
1f615468-51f2-4b48-9234-7e8740125757 NA's

1

168

patient.samples.sample.portions.portion.3.analytes.analyte.aliquots.aliquot.6.bi
100473425 NA's

1

168

patient.samples.sample.portions.portion.3.analytes.analyte.aliquots.aliquot.6.ce
24 NA's

1 168

patient.samples.sample.portions.portion.3.analytes.analyte.aliquots.aliquot.6.co
0.15 NA's

1 168

patient.samples.sample.portions.portion.3.analytes.analyte.aliquots.aliquot.6.da
31 NA's

1 168

patient.samples.sample.portions.portion.3.analytes.analyte.aliquots.aliquot.6.is
no NA's

1 168

patient.samples.sample.portions.portion.3.analytes.analyte.aliquots.aliquot.6.mo
3 NA's

1 168

patient.samples.sample.portions.portion.3.analytes.analyte.aliquots.aliquot.6.pl
3 NA's

1 168

patient.samples.sample.portions.portion.3.analytes.analyte.aliquots.aliquot.6.pl
al3g NA's

1 168

patient.samples.sample.portions.portion.3.analytes.analyte.aliquots.aliquot.6.pl
b NA's

1 168

patient.samples.sample.portions.portion.3.analytes.analyte.aliquots.aliquot.6.qu
1 NA's

1 168

patient.samples.sample.portions.portion.3.analytes.analyte.aliquots.aliquot.6.so
23 NA's

1 168

patient.samples.sample.portions.portion.3.analytes.analyte.aliquots.aliquot.6.vo
6.67 NA's

1 168

patient.samples.sample.portions.portion.3.analytes.analyte.aliquots.aliquot.6.ye
2011 NA's

1 168

patient.samples.sample.portions.portion.3.analytes.analyte.aliquots.aliquot.7.bo
tcga-ag-a026-01a-32d-a183-10 NA's

1 168

patient.samples.sample.portions.portion.3.analytes.analyte.aliquots.aliquot.7.bo
75846f72-de42-461b-b9d9-fc9f34bc375b NA's

1 168

patient.samples.sample.portions.portion.3.analytes.analyte.aliquots.aliquot.7.bi
113415867 NA's

1 168

patient.samples.sample.portions.portion.3.analytes.analyte.aliquots.aliquot.7.ce
10 NA's

1 168

patient.samples.sample.portions.portion.3.analytes.analyte.aliquots.aliquot.7.co
0.08 NA's

1 168

patient.samples.sample.portions.portion.3.analytes.analyte.aliquots.aliquot.7.da
31 NA's

1 168

patient.samples.sample.portions.portion.3.analytes.analyte.aliquots.aliquot.7.is
no NA's

1 168

patient.samples.sample.portions.portion.3.analytes.analyte.aliquots.aliquot.7.mo
8 NA's

1 168

patient.samples.sample.portions.portion.3.analytes.analyte.aliquots.aliquot.7.pl
4 NA's

1 168

patient.samples.sample.portions.portion.3.analytes.analyte.aliquots.aliquot.7.pl
a183 NA's

1 168

patient.samples.sample.portions.portion.3.analytes.analyte.aliquots.aliquot.7.pl
g NA's

1 168

patient.samples.sample.portions.portion.3.analytes.analyte.aliquots.aliquot.7.qu
6.4 NA's

```

1 168

patient.samples.sample.portions.portion.3.analytes.analyte.aliquots.aliquot.7.so
23 NA's
1 168

patient.samples.sample.portions.portion.3.analytes.analyte.aliquots.aliquot.7.vo
80 NA's
1 168

patient.samples.sample.portions.portion.3.analytes.analyte.aliquots.aliquot.7.ye
2011 NA's
1 168

patient.samples.sample.portions.portion.3.analytes.analyte.aliquots.aliquot.bios
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.    NA's
99013496 99024933 99028650 99030835 99031359 99066371    161

patient.samples.sample.portions.portion.3.analytes.analyte.aliquots.aliquot.cent
13 23 NA's
8 1 160

patient.samples.sample.portions.portion.3.analytes.analyte.aliquots.aliquot.conc
0.13 0.14 0.16 NA's
1 3 4 161

patient.samples.sample.portions.portion.3.analytes.analyte.aliquots.aliquot.day_
8 NA's
8 161

patient.samples.sample.portions.portion.3.analytes.analyte.aliquots.aliquot.is_d
no NA's
8 161

patient.samples.sample.portions.portion.3.analytes.analyte.aliquots.aliquot.mont
9 NA's
8 161

patient.samples.sample.portions.portion.3.analytes.analyte.aliquots.aliquot.plat
6 7 NA's
7 1 161

patient.samples.sample.portions.portion.3.analytes.analyte.aliquots.aliquot.plat
a076 yyyy NA's
8 1 160

patient.samples.sample.portions.portion.3.analytes.analyte.aliquots.aliquot.quan
2.6 2.8 3.2 NA's
1 3 4 161

```



```

patient.samples.sample.portions.portion.3.analytes.analyte.aliquots.aliquot.source
  23 NA's
  9 160

patient.samples.sample.portions.portion.3.analytes.analyte.aliquots.aliquot.volume
  20 NA's
  8 161

patient.samples.sample.portions.portion.3.analytes.analyte.aliquots.aliquot.year
2010 NA's
  8 161

patient.samples.sample.portions.portion.3.analytes.analyte.amount:
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.   NA's
48.99  58.03   72.60   73.85  89.75 100.65   160

patient.samples.sample.portions.portion.3.analytes.analyte.analyte_type:
 dna  rna NA's
  1   8 160

patient.samples.sample.portions.portion.3.analytes.analyte.analyte_type_id:
  d   r NA's
  1   8 160

patient.samples.sample.portions.portion.3.analytes.analyte.concentration:
0.13 0.14 0.15 0.16 NA's
  1   3   1   4 160

patient.samples.sample.portions.portion.3.analytes.analyte.dna.normal_tumor_genotype
yes NA's
  1 168

patient.samples.sample.portions.portion.3.analytes.analyte.dna.pcr_amplification
yes NA's
  1 168

patient.samples.sample.portions.portion.3.analytes.analyte.gel_image_file:
https://sharedoc.nchri.org/tcga-bcr/default.aspx
                                     9
                                     NA's
                                     160

patient.samples.sample.portions.portion.3.analytes.analyte.is_derived_from_ffpe:
no NA's
  9 160

patient.samples.sample.portions.portion.3.analytes.analyte.protocols.protocol.execution
adna preparation type mirvana (allprep dna) rna           NA's
                                     1                                     8           160

```

```
patient.samples.sample.portions.portion.3.analytes.analyte.rna.ratio_28s_18s:
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.   NA's
  1.400  1.500  1.600  1.675  1.850  2.000   161
```

```
patient.samples.sample.portions.portion.3.analytes.analyte.rna.rinvalue:
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.   NA's
  7.500  7.900  8.200  8.425  9.075  9.600   161
```

```
patient.samples.sample.portions.portion.3.analytes.analyte.spectrophotometer_met
uv spec    NA's
      9     160
```

```
patient.samples.sample.portions.portion.3.analytes.analyte.subportion_sequence:
  1     2 NA's
  8     1  160
```

```
patient.samples.sample.portions.portion.3.day_of_creation:
  1  26  30 NA's
  7   1   1  160
```

```
patient.samples.sample.portions.portion.3.is_ffpe:
no NA's
  9  160
```

```
patient.samples.sample.portions.portion.3.month_of_creation:
  6   7 NA's
  1   8  160
```

```
patient.samples.sample.portions.portion.3.portion_number:
  21  32 NA's
  8   1  160
```

```
patient.samples.sample.portions.portion.3.portion_sequence:
  2   3 NA's
  8   1  160
```

```
patient.samples.sample.portions.portion.3.slides.slide.2.is_derived_from_ffpe:
no NA's
  9  160
```

```
patient.samples.sample.portions.portion.3.slides.slide.2.percent_lymphocyte_infi
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.   NA's
  1.000  2.000  3.000  5.778 10.000 15.000   160
```

```
patient.samples.sample.portions.portion.3.slides.slide.2.percent_monocyte_infilt
  1     2 NA's
```

5 4 160

patient.samples.sample.portions.portion.3.slides.slide.2.percent_necrosis:

1 2 3 NA's
6 2 1 160

patient.samples.sample.portions.portion.3.slides.slide.2.percent_neutrophil_infi

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0.000	1.000	1.000	1.889	3.000	5.000	160

patient.samples.sample.portions.portion.3.slides.slide.2.percent_normal_cells:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0.00	5.00	10.00	14.11	15.00	44.00	160

patient.samples.sample.portions.portion.3.slides.slide.2.percent_stromal_cells:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0.00	3.00	9.00	10.56	20.00	25.00	160

patient.samples.sample.portions.portion.3.slides.slide.2.percent_tumor_cells:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
53.00	60.00	70.00	73.89	81.00	99.00	160

patient.samples.sample.portions.portion.3.slides.slide.2.percent_tumor_nuclei:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
60.00	65.00	70.00	71.11	80.00	80.00	160

patient.samples.sample.portions.portion.3.slides.slide.2.section_location:

bottom	top	NA's
7	2	160

patient.samples.sample.portions.portion.3.slides.slide.is_derived_from_ffpe:

no NA's
9 160

patient.samples.sample.portions.portion.3.slides.slide.percent_lymphocyte_infiltr

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1.000	2.000	5.000	5.333	8.000	11.000	160

patient.samples.sample.portions.portion.3.slides.slide.percent_monocyte_infiltrat

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0.000	1.000	2.000	1.889	2.000	4.000	160

patient.samples.sample.portions.portion.3.slides.slide.percent_necrosis:

1 2 60 NA's
7 1 1 160

patient.samples.sample.portions.portion.3.slides.slide.percent_neutrophil_infiltr

0 1 2 3 NA's
3 4 1 1 160

patient.samples.sample.portions.portion.3.slides.slide.percent_normal_cells:
 0 5 10 NA's
 7 1 1 160

patient.samples.sample.portions.portion.3.slides.slide.percent_stromal_cells:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 4.000 4.000 8.000 8.444 14.000 15.000 160

patient.samples.sample.portions.portion.3.slides.slide.percent_tumor_cells:
 25 85 90 95 NA's
 1 4 1 3 160

patient.samples.sample.portions.portion.3.slides.slide.percent_tumor_nuclei:
 80 85 90 95 NA's
 4 2 1 2 160

patient.samples.sample.portions.portion.3.slides.slide.section_location:
 bottom top NA's
 2 7 160

patient.samples.sample.portions.portion.3.weight:
 30 40 NA's
 8 1 160

patient.samples.sample.portions.portion.3.year_of_creation:
 2010 NA's
 9 160

patient.samples.sample.portions.portion.analytes.analyte.2.a260_a280_ratio:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 1.400 1.800 1.800 1.784 1.800 1.960 3

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.2.bi
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 9.754e+07 9.902e+07 9.902e+07 3.570e+08 6.023e+08 1.054e+09 154

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.2.ce
 7 9 NA's
 13 2 154

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.2.co
 0.14 0.15 0.16 0.5 NA's
 3 5 5 2 154

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.2.da
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 2.0 6.0 10.0 11.2 10.0 29.0 154

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.2.is

no NA's
15 154

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.2.mo
5 6 7 10 NA's
7 2 5 1 154

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.2.pl
1 2 7 NA's
8 3 4 154

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.2.qu
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
1.860 2.105 4.010 8.159 4.270 40.000 154

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.2.sc
22 23 NA's
7 8 154

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.2.vo
13 13.3 26.7 80 NA's
1 4 8 2 154

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.2.ye
2010 2011 2013 NA's
3 11 1 154

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.3.bo
tcga-af-2689-01a-01r-a466-07 tcga-ag-3902-01a-01r-a32z-07
1 1
NA's
167

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.3.bo
7737e9f0-02f1-427b-9acf-619aa5563059 c1dbdbe7-4cd9-4363-acf3-ed83cef757f2
1 1
NA's
167

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.3.bi
150757375 167812938 NA's
1 1 167

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.3.ce
7 NA's
2 167

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.3.co
0.14 0.16 NA's
1 1 167

```

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.3.da
  2    9 NA's
  1    1 167

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.3.is
no NA's
  2 167

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.3.mo
 10  12 NA's
  1    1 167

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.3.pl
  6 NA's
  2 167

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.3.pl
a32z a466 NA's
  1    1 167

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.3.pl
  b    e NA's
  1    1 167

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.3.qu
0.92 2.08 NA's
  1    1 167

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.3.so
 23 NA's
  2 167

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.3.vo
 6.6  13 NA's
  1    1 167

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.3.ye
2013 2014 NA's
  1    1 167

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.bios
  Min.   1st Qu.   Median   Mean   3rd Qu.   Max.   NA's
8.378e+07 9.754e+07 1.070e+08 2.677e+08 1.136e+08 1.054e+09 18

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.cent
  7  10  13 NA's
85  2  81  1

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.conc

```

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0.1300	0.1500	0.1500	0.1573	0.1525	0.6000	1

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.day_

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
3.00	5.50	14.00	13.86	22.00	30.00	1

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.is_d
no NA's
168 1

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.mont

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
2.000	3.000	5.000	4.875	6.000	9.000	1

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.plat

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1.000	2.000	2.000	2.994	4.000	12.000	1

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.quant

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
2.600	3.000	3.740	4.033	4.010	40.000	1

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.sour

22	23	NA's
135	33	1

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.vol

20	26.7	80	NA's
81	85	2	1

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.year

2010	2011	2014	NA's
76	89	3	1

patient.samples.sample.portions.portion.analytes.analyte.2.amount:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
8.50	71.88	176.31	254.49	400.07	855.30	1

patient.samples.sample.portions.portion.analytes.analyte.2.analyte_type:

repli-g (qiagen)	dna	rna	NA's
	2	166	1

patient.samples.sample.portions.portion.analytes.analyte.2.analyte_type_id:

h	r	w	NA's
76	90	2	1

patient.samples.sample.portions.portion.analytes.analyte.2.concentration:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0.1300	0.1500	0.1500	0.1574	0.1525	0.6000	1

patient.samples.sample.portions.portion.analytes.analyte.2.dna.normal_tumor_genotype: yes NA's
2 167

patient.samples.sample.portions.portion.analytes.analyte.2.dna.pcr_amplification: no NA's
2 167

patient.samples.sample.portions.portion.analytes.analyte.2.gel_image_file: <https://sharedoc.nchri.org/tcga-bcr/default.aspx>
168
NA's
1

patient.samples.sample.portions.portion.analytes.analyte.2.is_derived_from_ffpe: no NA's
168 1

patient.samples.sample.portions.portion.analytes.analyte.2.protocols.protocol.execution: allprep rna extraction mirvana (allprep dna) rna repli-g
85 81 2
NA's
1

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0.000	1.300	1.580	1.547	1.750	3.200	4

patient.samples.sample.portions.portion.analytes.analyte.2.rna.rinvalue:
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
0.000 8.300 8.900 8.684 9.300 10.000 4

patient.samples.sample.portions.portion.analytes.analyte.2.spectrophotometer_metadata: uv spec NA's
168 1

patient.samples.sample.portions.portion.analytes.analyte.2.subportion_sequence:
1 2 NA's
77 4 88

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0.000	1.700	1.800	1.469	1.800	1.980	71

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.2.biobio:
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
97528977 98189797 150756981 128133967 150757394 150757431 162

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.2.ce
7 9 13 NA's
4 2 1 162

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.2.co
0.1 0.15 0.16 0.5 NA's
1 1 3 2 162

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.2.da
2 14 29 NA's
4 1 2 162

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.2.is
no NA's
7 162

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.2.mo
6 7 10 NA's
2 1 4 162

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.2.pl
1 2 3 5 NA's
3 1 2 1 162

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.2.pl
1074 1120 a32y a32z NA's
2 1 1 3 162

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.2.pl
a b d g NA's
1 1 1 4 162

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.2.qu
1.95 2.08 3 40 NA's
1 3 1 2 162

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.2.so
22 23 NA's
3 4 162

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.2.vo
13 30 80 NA's
4 1 2 162

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.2.ye
2010 2013 NA's
3 4 162

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.bios

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
9.649e+07	9.885e+07	1.070e+08	2.690e+08	1.136e+08	1.054e+09	19

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.cent

7	10	13	NA's
81	2	84	2

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.conc

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0.1000	0.1000	0.1000	0.1301	0.1500	0.5000	2

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.day_

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
3.0	5.0	14.0	13.9	22.0	30.0	2

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.is_d

no NA's	
167	2

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.mont

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
2.000	3.000	5.000	4.886	6.000	9.000	2

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.plat

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1.000	2.000	2.000	2.994	4.000	12.000	2

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.quan

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1.860	2.130	3.000	3.425	3.000	40.000	2

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.sour

22	23	NA's
135	32	2

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.volu

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
13.00	13.30	30.00	25.46	30.00	80.00	2

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.year

2010	2011	2014	NA's
75	89	3	2

patient.samples.sample.portions.portion.analytes.analyte.3.amount:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0.00	34.65	74.00	93.81	127.60	704.00	2

patient.samples.sample.portions.portion.analytes.analyte.3.analyte_type:

repli-g x (qiagen) dna	rna	total rna
2	81	84

```

                NA's
                2

patient.samples.sample.portions.portion.analytes.analyte.3.analyte_type_id:
  r   t   x NA's
 81  84   2   2

patient.samples.sample.portions.portion.analytes.analyte.3.concentration:
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.    NA's
 0.1000 0.1000  0.1000  0.1301 0.1500  0.5000     2

patient.samples.sample.portions.portion.analytes.analyte.3.dna.normal_tumor_gene:
yes NA's
 2 167

patient.samples.sample.portions.portion.analytes.analyte.3.dna.pcr_amplification:
no NA's
 2 167

patient.samples.sample.portions.portion.analytes.analyte.3.gel_image_file:
https://sharedoc.nchri.org/tcga-bcr/default.aspx
                                167
                                NA's
                                2

patient.samples.sample.portions.portion.analytes.analyte.3.is_derived_from_ffpe:
no NA's
167   2

patient.samples.sample.portions.portion.analytes.analyte.3.protocols.protocol.extract:
allprep rna extraction                repli-g x                total rna
                                81                2                84
                                NA's
                                2

patient.samples.sample.portions.portion.analytes.analyte.3.rna.ratio_28s_18s:
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.    NA's
 0.660  1.220  1.520  1.474  1.670  2.120     72

patient.samples.sample.portions.portion.analytes.analyte.3.rna.rinvalue:
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.    NA's
 7.000  7.900  8.500  8.452  9.100  9.800     72

patient.samples.sample.portions.portion.analytes.analyte.3.spectrophotometer_method:
uv spec    NA's
 167       2

patient.samples.sample.portions.portion.analytes.analyte.3.subportion_sequence:
 1   2 NA's
77  4  88

```

```

patient.samples.sample.portions.portion.analytes.analyte.4.aliquots.aliquot.2.bi
  Min. 1st Qu.  Median      Mean 3rd Qu.    Max.    NA's
97514937 97515026 97515285 97973980 98889952 98890440    118

patient.samples.sample.portions.portion.analytes.analyte.4.aliquots.aliquot.2.ce
  9  10 NA's
60  8 101

patient.samples.sample.portions.portion.analytes.analyte.4.aliquots.aliquot.2.co
0.5 NA's
68 101

patient.samples.sample.portions.portion.analytes.analyte.4.aliquots.aliquot.2.da
  Min. 1st Qu.  Median      Mean 3rd Qu.    Max.    NA's
  5.00    7.00    9.00   13.62   17.75   29.00    101

patient.samples.sample.portions.portion.analytes.analyte.4.aliquots.aliquot.2.is
no NA's
68 101

patient.samples.sample.portions.portion.analytes.analyte.4.aliquots.aliquot.2.mo
  4  5  6 NA's
42  9 17 101

patient.samples.sample.portions.portion.analytes.analyte.4.aliquots.aliquot.2.pl
  Min. 1st Qu.  Median      Mean 3rd Qu.    Max.    NA's
  1.000  2.000  3.000  3.559  5.000  7.000    101

patient.samples.sample.portions.portion.analytes.analyte.4.aliquots.aliquot.2.qu
40 NA's
68 101

patient.samples.sample.portions.portion.analytes.analyte.4.aliquots.aliquot.2.so
22 23 NA's
51 17 101

patient.samples.sample.portions.portion.analytes.analyte.4.aliquots.aliquot.2.vo
80 NA's
68 101

patient.samples.sample.portions.portion.analytes.analyte.4.aliquots.aliquot.2.ye
2010 NA's
68 101

patient.samples.sample.portions.portion.analytes.analyte.4.aliquots.aliquot.3.bo
tcga-ag-3608-01a-01w-1763-10      NA's
                                1      168

```

patient.samples.sample.portions.portion.analytes.analyte.4.aliquots.aliquot.3.bo
2e139928-c90e-45dc-a0bf-85bcaf521c7f NA's
1 168

patient.samples.sample.portions.portion.analytes.analyte.4.aliquots.aliquot.3.bi
1053960493 NA's
1 168

patient.samples.sample.portions.portion.analytes.analyte.4.aliquots.aliquot.3.ce
10 NA's
1 168

patient.samples.sample.portions.portion.analytes.analyte.4.aliquots.aliquot.3.co
0.5 NA's
1 168

patient.samples.sample.portions.portion.analytes.analyte.4.aliquots.aliquot.3.da
16 NA's
1 168

patient.samples.sample.portions.portion.analytes.analyte.4.aliquots.aliquot.3.is
no NA's
1 168

patient.samples.sample.portions.portion.analytes.analyte.4.aliquots.aliquot.3.mo
5 NA's
1 168

patient.samples.sample.portions.portion.analytes.analyte.4.aliquots.aliquot.3.pl
1 NA's
1 168

patient.samples.sample.portions.portion.analytes.analyte.4.aliquots.aliquot.3.pl
1763 NA's
1 168

patient.samples.sample.portions.portion.analytes.analyte.4.aliquots.aliquot.3.pl
e NA's
1 168

patient.samples.sample.portions.portion.analytes.analyte.4.aliquots.aliquot.3.qu
10 NA's
1 168

patient.samples.sample.portions.portion.analytes.analyte.4.aliquots.aliquot.3.so
22 NA's
1 168

patient.samples.sample.portions.portion.analytes.analyte.4.aliquots.aliquot.3.vo
20 NA's
1 168

patient.samples.sample.portions.portion.analytes.analyte.4.aliquots.aliquot.3.ye
 2011 NA's
 1 168

patient.samples.sample.portions.portion.analytes.analyte.4.aliquots.aliquot.bios
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 9.651e+07 9.889e+07 1.070e+08 3.711e+08 1.054e+09 1.054e+09 23

patient.samples.sample.portions.portion.analytes.analyte.4.aliquots.aliquot.cent
 9 10 NA's
 8 155 6

patient.samples.sample.portions.portion.analytes.analyte.4.aliquots.aliquot.conc
 0.5 NA's
 163 6

patient.samples.sample.portions.portion.analytes.analyte.4.aliquots.aliquot.day_
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 1.00 6.00 21.00 16.94 24.00 29.00 6

patient.samples.sample.portions.portion.analytes.analyte.4.aliquots.aliquot.is_d
 no NA's
 163 6

patient.samples.sample.portions.portion.analytes.analyte.4.aliquots.aliquot.mont
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 2.000 3.000 6.000 5.294 7.000 10.000 6

patient.samples.sample.portions.portion.analytes.analyte.4.aliquots.aliquot.plat
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 1.000 2.000 3.000 3.399 5.000 7.000 6

patient.samples.sample.portions.portion.analytes.analyte.4.aliquots.aliquot.quant
 40 NA's
 163 6

patient.samples.sample.portions.portion.analytes.analyte.4.aliquots.aliquot.sour
 22 23 NA's
 131 32 6

patient.samples.sample.portions.portion.analytes.analyte.4.aliquots.aliquot.vol
 80 NA's
 163 6

patient.samples.sample.portions.portion.analytes.analyte.4.aliquots.aliquot.year
 2010 2011 2014 NA's
 73 87 3 6

```
patient.samples.sample.portions.portion.analytes.analyte.4.amount:
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.   NA's
  0.0   80.0   143.0   119.8  169.0   215.0    38
```

```
patient.samples.sample.portions.portion.analytes.analyte.4.analyte_type:
repli-g (qiagen) dna          NA's
                163          6
```

```
patient.samples.sample.portions.portion.analytes.analyte.4.analyte_type_id:
  w NA's
  163   6
```

```
patient.samples.sample.portions.portion.analytes.analyte.4.concentration:
  0.5 NA's
  131  38
```

```
patient.samples.sample.portions.portion.analytes.analyte.4.dna.normal_tumor_gene:
yes NA's
  163   6
```

```
patient.samples.sample.portions.portion.analytes.analyte.4.dna.pcr_amplification:
  no  yes NA's
  131  32   6
```

```
patient.samples.sample.portions.portion.analytes.analyte.4.gel_image_file:
https://sharedoc.nchri.org/tcga-bcr/default.aspx
                                163
                                NA's
                                6
```

```
patient.samples.sample.portions.portion.analytes.analyte.4.is_derived_from_ffpe:
  no NA's
  163   6
```

```
patient.samples.sample.portions.portion.analytes.analyte.4.protocols.protocol.extra:
repli-g    NA's
  163      6
```

```
patient.samples.sample.portions.portion.analytes.analyte.4.spectrophotometer_method:
picogreen  uv spec    NA's
  41      90      38
```

```
patient.samples.sample.portions.portion.analytes.analyte.4.subportion_sequence:
  1  2 NA's
  77 4  88
```

```
patient.samples.sample.portions.portion.analytes.analyte.5.aliquots.aliquot.2.bi
```

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
97528972	97529437	97529461	97529384	97529486	97529509	152

patient.samples.sample.portions.portion.analytes.analyte.5.aliquots.aliquot.2.ce

9 10 NA's
26 8 135

patient.samples.sample.portions.portion.analytes.analyte.5.aliquots.aliquot.2.co

0.5 NA's
34 135

patient.samples.sample.portions.portion.analytes.analyte.5.aliquots.aliquot.2.da

5 11 29 NA's
8 9 17 135

patient.samples.sample.portions.portion.analytes.analyte.5.aliquots.aliquot.2.is

no NA's
34 135

patient.samples.sample.portions.portion.analytes.analyte.5.aliquots.aliquot.2.mo

4 5 6 NA's
8 9 17 135

patient.samples.sample.portions.portion.analytes.analyte.5.aliquots.aliquot.2.pl

1 2 3 4 NA's
7 12 13 2 135

patient.samples.sample.portions.portion.analytes.analyte.5.aliquots.aliquot.2.pl

1074 a00i a00l NA's
17 8 9 135

patient.samples.sample.portions.portion.analytes.analyte.5.aliquots.aliquot.2.qu

40 NA's
34 135

patient.samples.sample.portions.portion.analytes.analyte.5.aliquots.aliquot.2.so

22 23 NA's
17 17 135

patient.samples.sample.portions.portion.analytes.analyte.5.aliquots.aliquot.2.vo

80 NA's
34 135

patient.samples.sample.portions.portion.analytes.analyte.5.aliquots.aliquot.2.ye

2010 NA's
34 135

patient.samples.sample.portions.portion.analytes.analyte.5.aliquots.aliquot.bios

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
------	---------	--------	------	---------	------	------

97528965 97529294 103948670 101479716 103948714 103948741 116

patient.samples.sample.portions.portion.analytes.analyte.5.aliquots.aliquot.cent

9 10 NA's
8 62 99

patient.samples.sample.portions.portion.analytes.analyte.5.aliquots.aliquot.conc

0.5 NA's
70 99

patient.samples.sample.portions.portion.analytes.analyte.5.aliquots.aliquot.day_

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
6.00	23.00	25.00	22.59	25.00	29.00	99

patient.samples.sample.portions.portion.analytes.analyte.5.aliquots.aliquot.is_d

no NA's
70 99

patient.samples.sample.portions.portion.analytes.analyte.5.aliquots.aliquot.mont

3 5 6 10 NA's
8 9 17 36 99

patient.samples.sample.portions.portion.analytes.analyte.5.aliquots.aliquot.plat

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1.000	2.000	3.000	2.814	3.750	6.000	99

patient.samples.sample.portions.portion.analytes.analyte.5.aliquots.aliquot.quant

40 NA's
70 99

patient.samples.sample.portions.portion.analytes.analyte.5.aliquots.aliquot.sour

22 23 NA's
48 22 99

patient.samples.sample.portions.portion.analytes.analyte.5.aliquots.aliquot.vol

80 NA's
70 99

patient.samples.sample.portions.portion.analytes.analyte.5.aliquots.aliquot.year

2010 NA's
70 99

patient.samples.sample.portions.portion.analytes.analyte.5.amount:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
56.0	97.5	148.0	129.4	159.2	186.0	121

patient.samples.sample.portions.portion.analytes.analyte.5.analyte_type:

repli-g x (qiagen) dna	NA's
70	99

patient.samples.sample.portions.portion.analytes.analyte.5.analyte_type_id:
 x NA's
 70 99

patient.samples.sample.portions.portion.analytes.analyte.5.concentration:
 0.5 NA's
 48 121

patient.samples.sample.portions.portion.analytes.analyte.5.dna.normal_tumor_genotype:
 yes NA's
 70 99

patient.samples.sample.portions.portion.analytes.analyte.5.dna.pcr_amplification:
 no yes NA's
 48 22 99

patient.samples.sample.portions.portion.analytes.analyte.5.gel_image_file:
<https://sharedoc.nchri.org/tcga-bcr/default.aspx>
 70
 NA's
 99

patient.samples.sample.portions.portion.analytes.analyte.5.is_derived_from_ffpe:
 no NA's
 70 99

patient.samples.sample.portions.portion.analytes.analyte.5.protocols.protocol.execution:
 repli-g x NA's
 70 99

patient.samples.sample.portions.portion.analytes.analyte.5.spectrophotometer_method:
 uv spec NA's
 48 121

patient.samples.sample.portions.portion.analytes.analyte.5.subportion_sequence:
 1 2 NA's
 4 1 164

patient.samples.sample.portions.portion.analytes.analyte.a260_a280_ratio:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 1.650 1.900 1.900 1.885 1.900 2.120 8

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.10.bioassay:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 1.136e+08 3.477e+08 1.050e+09 7.383e+08 1.050e+09 1.053e+09 163

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.10.centrifugation:
 9 10 23 NA's

```

2      3      1  163

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.10.com
0.05 0.14 0.15 0.16 NA's
3      1      1      1  163

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.10.day
14    22    31 NA's
3      1      2  163

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.10.is_
no NA's
6  163

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.10.mon
2      3      8 NA's
3      1      2  163

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.10.pla
1      4      5      7 NA's
1      2      1      2  163

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.10.pla
1554 1555 1620 1989 NA's
1      2      1      2  163

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.10.pla
a      b      c      e NA's
2      1      1      2  163

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.10.qua
2      3      3.2 NA's
3      1      1  164

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.10.sou
22    23 NA's
5      1  163

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.10.vol
20    40 NA's
2      3  164

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.10.yea
2011 NA's
6  163

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.11.bcr
tcga-af-2689-01a-01d-1555-09 tcga-af-2691-01a-01d-1615-24
1 1
tcga-af-3400-01a-01d-1615-24 tcga-ag-3727-01a-01d-a469-10
1 1
NA's

```

165

```

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.11.bcr
1f39af67-7408-4432-bd1c-2cb8eabe711b 79f1b2f2-0390-4f56-b662-0bbe87f1fa56
1 1
7fb3c6a1-40ac-46ab-b4dd-40ed3039c852 919ae66d-cc80-40b1-aa70-ff84faaa4be7
1 1
NA's
165

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.11.bio
167811791 1049986001 1052625356 1052625380 NA's
1 1 1 1 165

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.11.cen
9 10 24 NA's
1 1 2 165

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.11.con
0.05 0.08 0.15 0.16 NA's
1 1 1 1 165

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.11.day
14 21 31 NA's
1 1 2 165

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.11.is_
no NA's
4 165

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.11.mon
1 2 3 NA's
1 1 2 165

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.11.pla
1 6 NA's
3 1 165

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.11.pla
1555 1615 a469 NA's
1 2 1 165

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.11.pla
b d e h NA's
1 1 1 1 165

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.11.qua
1 1.07 2 NA's
1 2 1 165

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.11.sou
22 23 NA's

```

3 1 165

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.11.vol
6.67 13.4 40 NA's

2 1 1 165

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.11.yea
2011 2015 NA's

3 1 165

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.12.bcr
tcga-af-2689-01a-01d-1615-24 tcga-af-2691-01a-01d-1620-23

1 1

tcga-af-3400-01a-01d-1620-23 NA's

1 166

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.12.bcr
1a293dcc-cd00-4606-9e6d-0e664e17403d d02810b7-ff5f-4925-887f-392263b892b1

1 1

e3d12a82-638a-4734-9d40-d5f67c3c188e NA's

1 166

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.12.bio
1052625333 1052626995 1052627019 NA's

1 1 1 166

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.12.cen
23 24 NA's

2 1 166

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.12.con
0.15 0.16 NA's

2 1 166

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.12.day
22 31 NA's

2 1 166

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.12.is_
no NA's

3 166

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.12.mon
3 NA's

3 166

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.12.pla
1 NA's

3 166

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.12.pla
1615 1620 NA's

```

1      2  166

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.12.pla
a      b      d NA's
1      1      1  166

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.12.qua
1 NA's
1  168

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.12.sou
22     23 NA's
1      2  166

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.12.vol
6.67 NA's
1  168

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.12.yea
2011 NA's
3  166

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.13.bcr
tcga-af-2689-01a-01d-1620-23 tcga-af-2691-01a-01d-1989-10
                                1                                1
tcga-af-3400-01a-01d-1989-10                                NA's
                                1                                166

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.13.bcr
0b27a278-ac5f-4d65-8bfd-6f16f48be737 4fe80cab-7ff0-4a39-a0b8-2aca9fd9c804
                                1                                1
81b1e78c-6032-4ff4-b52a-83456b9450ea                                NA's
                                1                                166

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.13.bio
113628528 113628552 1052626972          NA's
                1                1                1                166

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.13.cen
10     23 NA's
2      1  166

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.13.con
0.15 0.16 NA's
2      1  166

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.13.day
22     31 NA's
1      2  166

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.13.is_
no NA's

```

3 166

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.13.mon

3 8 NA's

1 2 166

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.13.pla

1 NA's

3 166

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.13.pla

1620 1989 NA's

1 2 166

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.13.pla

a b d NA's

1 1 1 166

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.13.qua

3 3.2 NA's

1 1 167

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.13.sou

22 23 NA's

2 1 166

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.13.vol

20 NA's

2 167

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.13.yea

2011 NA's

3 166

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.14.bcr

tcga-af-2689-01a-01d-1989-10

NA's

1

168

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.14.bcr

5b180356-cf58-4fad-a3d4-00fc12b43fcc

NA's

1

168

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.14.bio

113628575 NA's

1 168

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.14.cen

10 NA's

1 168

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.14.con

0.15 NA's

1 168

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.14.day
31 NA's
1 168

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.14.is_
no NA's
1 168

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.14.mon
8 NA's
1 168

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.14.pla
1 NA's
1 168

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.14.pla
1989 NA's
1 168

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.14.pla
a NA's
1 168

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.14.qua
3 NA's
1 168

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.14.sou
22 NA's
1 168

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.14.vol
20 NA's
1 168

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.14.yea
2011 NA's
1 168

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.15.bcr
tcga-af-2689-01a-01d-2294-05 NA's
1 168

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.15.bcr
0bfbf2b2-de69-4dd5-ba6b-9a023ea3761e NA's
1 168

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.15.bio
120988627 NA's

1 168

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.15.cen

5 NA's

1 168

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.15.com

0.15 NA's

1 168

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.15.day

4 NA's

1 168

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.15.is_

no NA's

1 168

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.15.mon

6 NA's

1 168

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.15.pla

5 NA's

1 168

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.15.pla

2294 NA's

1 168

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.15.pla

g NA's

1 168

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.15.qua

6 NA's

1 168

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.15.sou

22 NA's

1 168

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.15.vol

40 NA's

1 168

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.15.yea

2012 NA's

1 168

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.2.bios
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 9.649e+07 9.885e+07 1.070e+08 2.820e+08 1.136e+08 1.054e+09 19

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.2.cent
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 1.000 1.000 1.000 3.707 5.000 24.000 2

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.2.conc
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 0.1300 0.1500 0.1500 0.1499 0.1500 0.1700 2

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.2.day_
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 3.00 5.00 14.00 14.57 22.00 31.00 2

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.2.is_d
 no NA's
 167 2

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.2.mont
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 2.000 3.000 5.000 4.778 6.000 9.000 2

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.2.plat
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 1.000 2.000 3.000 3.102 5.000 9.000 2

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.2.quant
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 0.870 1.000 1.070 2.243 4.010 4.540 4

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.2.sour
 22 23 NA's
 133 34 2

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.2.volu
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 6.60 6.67 6.67 14.91 26.70 26.70 4

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.2.year
 2010 2011 2014 NA's
 73 91 3 2

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.3.bios
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 9.649e+07 9.753e+07 1.070e+08 2.830e+08 1.136e+08 1.054e+09 20

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.3.cent
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 1.000 9.000 10.000 8.922 10.000 23.000 2

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.3.conc
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 0.01000 0.05000 0.07000 0.09341 0.15000 0.17000 2

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.3.day_
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 3.00 5.00 22.00 16.31 24.00 30.00 2

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.3.is_d
 no NA's
 167 2

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.3.mont
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 2.000 4.000 5.000 5.156 6.000 9.000 2

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.3.plat
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 1.000 2.000 2.000 2.982 4.000 11.000 2

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.3.quan
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 0.87 1.07 2.00 2.07 3.00 4.01 3

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.3.sour
 22 23 NA's
 134 33 2

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.3.vol
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 6.67 6.70 40.00 33.29 60.00 60.00 3

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.3.year
 2010 2011 2014 NA's
 72 92 3 2

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.4.bios
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 9.649e+07 9.754e+07 1.070e+08 2.714e+08 1.136e+08 1.054e+09 21

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.4.cent
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 1.00 5.00 9.00 10.72 10.00 23.00 4

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.4.conc
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 0.0800 0.1400 0.1500 0.1422 0.1500 0.1700 4

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.4.day_
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 3.00 4.00 14.00 14.77 22.00 31.00 4

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.4.is_d
 no NA's
 165 4

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.4.mont
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 2.000 4.000 5.000 5.388 6.000 9.000 4

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.4.plat
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 1.000 2.000 2.000 2.891 4.000 6.000 4

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.4.quant
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 0.810 1.010 1.105 1.792 2.000 4.540 43

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.4.sour
 22 23 NA's
 94 71 4

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.4.vol
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 6.20 6.70 13.30 12.86 13.34 40.00 43

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.4.year
 2010 2011 2014 NA's
 72 90 3 4

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.5.bios
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 9.751e+07 1.005e+08 1.053e+09 6.148e+08 1.054e+09 1.054e+09 13

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.5.cent
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 1.00 2.00 5.00 11.34 23.00 24.00 11

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.5.conc
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 0.0500 0.1400 0.1500 0.1427 0.1500 0.1700 11

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.5.day_
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 2.00 22.00 22.00 21.39 29.00 31.00 11

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.5.is_d
 no NA's
 158 11

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.5.mont
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 2.000 6.000 6.000 6.741 8.000 11.000 11

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.5.plat
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 1.000 2.000 4.000 4.481 6.000 11.000 11

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.5.quant
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 0.300 1.070 1.860 1.948 2.000 30.000 50

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.5.sour
 22 23 NA's
 90 68 11

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.5.vol
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 2.00 6.67 13.30 18.31 13.30 600.00 50

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.5.year
 2010 2011 NA's
 53 105 11

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.6.bios
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 9.648e+07 1.005e+08 1.053e+09 6.317e+08 1.053e+09 1.054e+09 90

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.6.cent
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 2.00 10.00 23.00 19.24 24.00 24.00 89

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.6.conc
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 0.0100 0.1500 0.1500 0.1439 0.1525 0.1700 89

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.6.day_
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 2.00 22.00 31.00 25.74 31.00 31.00 89

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.6.is_d
no NA's
80 89

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.6.mont
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
1.000 3.000 3.000 3.513 3.000 9.000 89

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.6.plat
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
1.000 2.000 3.000 3.475 4.000 11.000 89

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.6.quant
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
0.280 1.000 1.000 2.135 1.335 30.000 109

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.6.sour
22 23 NA's
31 49 89

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.6.volun
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
2.00 6.67 6.67 23.17 13.00 600.00 109

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.6.year
2010 2011 2015 NA's
7 72 1 89

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.7.bios
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
9.885e+07 1.134e+08 1.053e+09 7.387e+08 1.053e+09 1.053e+09 103

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.7.cent
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
1.00 2.00 10.00 13.48 23.00 24.00 96

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.7.conc
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
0.0100 0.1100 0.1500 0.1309 0.1500 0.1700 102

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.7.day_
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
5.00 22.00 28.00 25.21 31.00 31.00 102

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.7.is_d
no NA's
67 102

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.7.mont
 2 3 7 8 NA's
 4 45 1 17 102

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.7.plat
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 1.000 3.000 4.000 5.358 9.000 11.000 102

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.7.quan
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 1.000 2.000 2.195 3.359 6.400 7.200 125

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.7.sour
 22 23 NA's
 28 45 96

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.7.vol
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 6.67 13.30 13.30 35.59 80.00 80.00 125

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.7.year
 2010 2011 2012 NA's
 2 64 1 102

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.8.bios
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 9.885e+07 1.136e+08 1.136e+08 2.606e+08 1.136e+08 1.054e+09 118

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.8.cent
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 1.00 10.00 10.00 12.37 10.00 24.00 109

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.8.conc
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 0.0800 0.1450 0.1500 0.1482 0.1600 0.1700 118

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.8.day_
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 4.00 31.00 31.00 28.49 31.00 31.00 118

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.8.is_d
 no NA's
 51 118

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.8.mont
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 2.000 8.000 8.000 7.137 8.000 8.000 118

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.8.plat
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 1.000 2.500 4.000 3.922 5.500 7.000 118

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.8.quant
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 1.000 3.000 3.000 3.149 3.200 6.400 120

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.8.sour
 22 23 NA's
 47 13 109

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.8.vol
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 6.67 20.00 20.00 22.45 20.00 80.00 120

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.8.year
 2010 2011 2012 NA's
 1 49 1 118

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.9.bios
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 1.136e+08 8.159e+08 1.050e+09 8.169e+08 1.053e+09 1.053e+09 161

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.9.cent
 5 10 23 24 NA's
 1 4 2 1 161

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.9.conc
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 0.0500 0.1100 0.1450 0.1225 0.1500 0.1600 161

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.9.day_
 14 22 31 NA's
 3 2 3 161

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.9.is_d
 no NA's
 8 161

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.9.mont
 2 3 8 NA's
 3 3 2 161

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.9.plat
 3 4 5 6 NA's
 2 3 2 1 161

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.9.plat
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 1551 1554 1616 1686 1712 1989 161

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.9.plat
 b c g h NA's
 3 2 2 1 161

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.9.quan
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 0.930 2.000 2.300 2.423 2.900 4.010 163

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.9.sour
 22 23 NA's
 6 2 161

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.9.vol
 6.67 20 26.7 40 NA's
 1 2 1 2 163

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.9.year
 2011 NA's
 8 161

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.biospe
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 9.181e+07 9.752e+07 1.070e+08 2.975e+08 1.136e+08 1.054e+09 32

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.center
 1 2 5 23 24
 50 99 1 17 2

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.concen
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 0.1300 0.1400 0.1500 0.1547 0.1500 1.0100 17

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.day_of
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 3.00 4.00 14.00 13.43 22.00 31.00 17

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.is_der
 no NA's
 152 17

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.month_
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 2.00 3.00 5.00 4.77 6.00 8.00 17

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.plate_
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's

1.000 2.000 2.000 2.908 4.000 6.000 17

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.quantit
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 0.870 1.010 1.500 1.678 2.000 26.970 20

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.source
 22 23
 133 36

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.volume
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 6.60 6.70 10.00 10.21 13.30 26.70 20

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.year_o
 2010 2011 NA's
 68 84 17

patient.samples.sample.portions.portion.analytes.analyte.amount:
 Min. 1st Qu. Median Mean 3rd Qu. Max.
 2.0 203.0 300.0 362.2 500.0 1020.2

patient.samples.sample.portions.portion.analytes.analyte.analyte_type:
 dna
 169

patient.samples.sample.portions.portion.analytes.analyte.analyte_type_id:
 d
 169

patient.samples.sample.portions.portion.analytes.analyte.concentration:
 Min. 1st Qu. Median Mean 3rd Qu. Max.
 0.130 0.150 0.150 0.155 0.150 1.010

patient.samples.sample.portions.portion.analytes.analyte.dna.normal_tumor_genoty
 yes
 169

patient.samples.sample.portions.portion.analytes.analyte.dna.pcr_amplification_s
 no yes
 91 78

patient.samples.sample.portions.portion.analytes.analyte.gel_image_file:
<https://sharedoc.nchri.org/tcga-bcr/default.aspx>
 169

patient.samples.sample.portions.portion.analytes.analyte.is_derived_from_ffpe:
 no

169

patient.samples.sample.portions.portion.analytes.analyte.protocols.protocol.exp
adna preparation type

169

patient.samples.sample.portions.portion.analytes.analyte.spectrophotometer_metho
picogreen uv spec

8 161

patient.samples.sample.portions.portion.analytes.analyte.subportion_sequence:

1 2 NA's
76 4 89

patient.samples.sample.portions.portion.day_of_creation:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.
1.00	8.00	10.00	14.17	25.00	31.00

patient.samples.sample.portions.portion.is_ffpe:

no
169

patient.samples.sample.portions.portion.lce:

lce NA's
3 166

patient.samples.sample.portions.portion.month_of_creation:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.
1.000	3.000	4.000	4.414	6.000	12.000

patient.samples.sample.portions.portion.portion_number:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.
1.000	1.000	2.000	7.213	11.000	41.000

patient.samples.sample.portions.portion.portion_sequence:

1 2 3 4 NA's
24 6 3 1 135

patient.samples.sample.portions.portion.slides.slide.2.is_derived_from_ffpe:

no NA's
148 21

patient.samples.sample.portions.portion.slides.slide.2.percent_lymphocyte_infilt

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0.00	5.00	10.00	10.58	15.00	50.00	124

patient.samples.sample.portions.portion.slides.slide.2.percent_monocyte_infiltra

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0.000	0.000	1.000	2.029	2.000	15.000	134

patient.samples.sample.portions.portion.slides.slide.2.percent_necrosis:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0.000	1.000	4.000	4.446	5.000	20.000	21

patient.samples.sample.portions.portion.slides.slide.2.percent_neutrophil_infiltration:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0.000	1.000	2.000	4.135	3.000	40.000	132

patient.samples.sample.portions.portion.slides.slide.2.percent_normal_cells:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0.000	0.000	1.000	7.234	10.000	89.000	24

patient.samples.sample.portions.portion.slides.slide.2.percent_stromal_cells:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0.00	5.00	12.00	13.43	20.00	50.00	24

patient.samples.sample.portions.portion.slides.slide.2.percent_tumor_cells:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
10.00	70.00	76.00	75.33	85.00	98.00	21

patient.samples.sample.portions.portion.slides.slide.2.percent_tumor_nuclei:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
10.00	75.00	75.00	75.95	80.00	97.00	21

patient.samples.sample.portions.portion.slides.slide.2.section_location:

bottom	top	NA's
21	127	21

patient.samples.sample.portions.portion.slides.slide.is_derived_from_ffpe:

no
169

patient.samples.sample.portions.portion.slides.slide.percent_lymphocyte_infiltration:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0.000	3.750	7.000	8.135	10.250	50.000	117

patient.samples.sample.portions.portion.slides.slide.percent_monocyte_infiltration:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0.000	0.000	1.000	1.227	2.000	5.000	125

patient.samples.sample.portions.portion.slides.slide.percent_necrosis:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.
0.000	1.000	5.000	4.893	8.000	20.000

patient.samples.sample.portions.portion.slides.slide.percent_neutrophil_infiltration:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
------	---------	--------	------	---------	------	------

```

0.000  0.000  2.000  2.936  3.000  40.000  122

patient.samples.sample.portions.portion.slides.slide.percent_normal_cells:
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.   NA's
0.000  0.000  0.000  7.108 10.000  70.000    2

patient.samples.sample.portions.portion.slides.slide.percent_stromal_cells:
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.   NA's
0.00  6.00  10.00  12.65 15.00  52.00    4

patient.samples.sample.portions.portion.slides.slide.percent_tumor_cells:
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.
20.0  69.0  77.0  75.8  85.0  100.0

patient.samples.sample.portions.portion.slides.slide.percent_tumor_nuclei:
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.
50.00  70.00  75.00  76.34  80.00  95.00

patient.samples.sample.portions.portion.slides.slide.section_location:
bottom  top
  127   42

patient.samples.sample.portions.portion.weight:
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.
10.00  30.00  55.00  73.79 118.00  174.00

patient.samples.sample.portions.portion.year_of_creation:
2009 2010 2011 2012
   6  83  76   4

patient.samples.sample.portions.shipment_portion.2.center_id:
  20  27 NA's
   9  18 142

patient.samples.sample.portions.shipment_portion.2.is_ffpe:
no NA's
  27 142

patient.samples.sample.portions.shipment_portion.2.plate_id:
2150 2214 a17n a20o NA's
   8   1   8  10 142

patient.samples.sample.portions.shipment_portion.2.portion_number:
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.   NA's
12.00  22.00  31.00  28.67  31.00  71.00  142

patient.samples.sample.portions.shipment_portion.2.portion_sequence:
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.   NA's
1.000  2.250  3.000  3.056  3.000  7.000  151

```

```
patient.samples.sample.portions.shipment_portion.2.shipment_portion_day_of_shipm
  12  17  25 NA's
  1   8  18 142
```

```
patient.samples.sample.portions.shipment_portion.2.shipment_portion_month_of_shi
  1   3   8 NA's
 18   1   8 142
```

```
patient.samples.sample.portions.shipment_portion.2.shipment_portion_year_of_ship
2011 2012 NA's
   8  19 142
```

```
patient.samples.sample.portions.shipment_portion.3.bcr_shipment_portion_uuid:
cc314f5c-54d1-4822-99f4-cf4970e83605 NA's
                                     1 168
```

```
patient.samples.sample.portions.shipment_portion.3.center_id:
 27 NA's
  1 168
```

```
patient.samples.sample.portions.shipment_portion.3.is_ffpe:
no NA's
  1 168
```

```
patient.samples.sample.portions.shipment_portion.3.plate_id:
a20o NA's
  1 168
```

```
patient.samples.sample.portions.shipment_portion.3.portion_number:
 31 NA's
  1 168
```

```
patient.samples.sample.portions.shipment_portion.3.portion_sequence:
  3 NA's
  1 168
```

```
patient.samples.sample.portions.shipment_portion.3.shipment_portion_bcr_aliquot_
tcga-ag-a00h-01a-31-a20o-27 NA's
                             1 168
```

```
patient.samples.sample.portions.shipment_portion.3.shipment_portion_day_of_shipm
 25 NA's
  1 168
```

```
patient.samples.sample.portions.shipment_portion.3.shipment_portion_month_of_shi
  1 NA's
  1 168
```

```
patient.samples.sample.portions.shipment_portion.3.shipment_portion_year_of_ship
2012 NA's
  1 168
```

```
patient.samples.sample.portions.shipment_portion.center_id:
  20  27 NA's
 123  12  34
```

```
patient.samples.sample.portions.shipment_portion.is_ffpe:
  no NA's
 135  34
```

```
patient.samples.sample.portions.shipment_portion.portion_number:
  Min. 1st Qu.  Median    Mean 3rd Qu.  Max.  NA's
 11.00  13.00  21.00  18.96  21.00  43.00   34
```

```
patient.samples.sample.portions.shipment_portion.portion_sequence:
  1  2  3  4 NA's
  3 19  6  2 139
```

```
patient.samples.sample.portions.shipment_portion.shipment_portion_day_of_shipment:
  16 17 25 30 NA's
 103 19 12 1 34
```

```
patient.samples.sample.portions.shipment_portion.shipment_portion_month_of_shipment:
  1  7  8 NA's
 12  1 122 34
```

```
patient.samples.sample.portions.shipment_portion.shipment_portion_year_of_shipment:
 2011 2012 2014 NA's
 122 12 1 34
```

```
patient.samples.sample.sample_type:
primary tumor
      169
```

```
patient.samples.sample.sample_type_id:
  1
 169
```

```
patient.samples.sample.shortest_dimension:
  Min. 1st Qu.  Median    Mean 3rd Qu.  Max.  NA's
 0.100  0.300  0.400  0.439  0.500  0.900   33
```

```
patient.samples.sample.vial_number:
  a  b  c
 166 2  1
```

Description

A document describing the TCGA cancer code

Details

```

> experiments( SARC )
ExperimentList class object of length 9:
 [1] CNASNP-20160128: RaggedExperiment with 337377 rows and 516 columns
 [2] CNVSNP-20160128: RaggedExperiment with 106739 rows and 513 columns
 [3] GISTIC_AllByGene-20160128: SummarizedExperiment with 24776 rows and 257 columns
 [4] GISTIC_ThresholdedByGene-20160128: SummarizedExperiment with 24776 rows and 257 columns
 [5] Methylation-20160128: SummarizedExperiment with 485577 rows and 269 columns
 [6] miRNASeqGene-20160128: SummarizedExperiment with 1046 rows and 263 columns
 [7] Mutation-20160128: RaggedExperiment with 20376 rows and 247 columns
 [8] RNASeq2GeneNorm-20160128: SummarizedExperiment with 20501 rows and 265 columns
 [9] RPPAArray-20160128: SummarizedExperiment with 192 rows and 226 columns

> rownames( SARC )
CharacterList of length 9
[["CNASNP-20160128"]] character(0)
[["CNVSNP-20160128"]] character(0)
[["GISTIC_AllByGene-20160128"]] ACAP3 ACTRT2 ... WASIR1|ENSG00000185203.7
[["GISTIC_ThresholdedByGene-20160128"]] ACAP3 ... WASIR1|ENSG00000185203.7
[["Methylation-20160128"]] cg00000029 cg00000108 ... rs966367 rs9839873
[["miRNASeqGene-20160128"]] hsa-let-7a-1 hsa-let-7a-2 ... hsa-mir-99b
[["Mutation-20160128"]] character(0)
[["RNASeq2GeneNorm-20160128"]] A1BG A1CF A2BP1 A2LD1 ... ZZZ3 psiTPTE22 tAKR
[["RPPAArray-20160128"]] 14-3-3_beta 14-3-3_epsilon ... p90RSK_pT359_S363

> colnames( SARC )
CharacterList of length 9
[["CNASNP-20160128"]] TCGA-3B-A9HI-01A-11D-A386-01 ...
[["CNVSNP-20160128"]] TCGA-3B-A9HI-01A-11D-A386-01 ...
[["GISTIC_AllByGene-20160128"]] TCGA-3B-A9HI-01A-11D-A386-01 ...
[["GISTIC_ThresholdedByGene-20160128"]] TCGA-3B-A9HI-01A-11D-A386-01 ...
[["Methylation-20160128"]] TCGA-3B-A9HI-01A-11D-A388-05 ...
[["miRNASeqGene-20160128"]] TCGA-3B-A9HI-01A-11R-A38N-13 ...
[["Mutation-20160128"]] TCGA-3B-A9HI-01A-11D-A387-09 ...
[["RNASeq2GeneNorm-20160128"]] TCGA-3B-A9HI-01A-11R-A38C-07 ...
[["RPPAArray-20160128"]] TCGA-3B-A9HI-01A-21-A456-20 ...

Sizes of each ExperimentList element:

              assay size.Mb
1             CNASNP-20160128  9.2 Mb
2             CNVSNP-20160128   3 Mb
3      GISTIC_AllByGene-20160128  4.3 Mb
4 GISTIC_ThresholdedByGene-20160128  4.3 Mb
5             Methylation-20160128 67.4 Mb
6             miRNASeqGene-20160128  0.1 Mb
7             Mutation-20160128 17.2 Mb
8             RNASeq2GeneNorm-20160128  1.1 Mb

```


9 RPPAArray-20160128 0 Mb

Overall survival time-to-event summary (in years):

Call: survfit(formula = survival::Surv(colDat\$days_to_death/365, colDat\$vital_status - 1)

162 observations deleted due to missingness
n events median 0.95LCL 0.95UCL
99.00 99.00 1.78 1.51 2.46

Available sample meta-data:

years_to_birth:
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
20.00 53.00 61.00 60.88 71.00 90.00 1

vital_status:
0 1
162 99

days_to_death:
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
17.0 322.5 648.0 863.6 1169.5 2694.0 162

days_to_last_followup:
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
15.0 585.8 1092.0 1391.1 1891.8 5723.0 99

gender:
female male
142 119

date_of_initial_pathologic_diagnosis:
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
1994 2007 2010 2009 2012 2013 4

radiation_therapy:
no yes NA's
181 74 6

residual_tumor:
r0 r1 r2 rx NA's
155 70 9 26 1

```

race:
      asian black or african american      white
           6                               18      228
      NA's
           9

ethnicity:
      hispanic or latino not hispanic or latino      NA's
           5                               223      33

admin.bcr:
nationwide children's hospital
                        261

admin.day_of_dcc_upload:
      1
261

admin.disease_code:
sarc
      261

admin.month_of_dcc_upload:
      10
261

admin.patient_withdrawal.withdrawn:
false
      261

admin.project_code:
tcga
      261

admin.year_of_dcc_upload:
2015
      261

patient.clinical_cqcf.anatomic_neoplasm_subdivision:
other (please specify)      NA's
           1                               260

patient.clinical_cqcf.consent_or_death_status:
consented  deceased
           254           7

patient.clinical_cqcf.country:
      canada      russia united states      vietnam
           4           4           249           4

```

patient.clinical_cqcf.days_to_consent:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 -918.00 0.00 15.00 54.92 35.00 2048.00 11

patient.clinical_cqcf.days_to_death:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 118.0 435.0 767.0 826.6 1276.5 1478.0 254

patient.clinical_cqcf.history_of_neoadjuvant_treatment:
 no
 261

patient.clinical_cqcf.normal_tissue_anatomic_site:
 adjacent organ muscle other NA's
 5 16 11 229

patient.clinical_cqcf.normal_tissue_proximity:
 distal (>2cm) NA's
 32 229

patient.clinical_cqcf.other_anatomic_site:
 visceral- genitourinary NA's
 1 260

patient.clinical_cqcf.tumor_type:
 primary
 261

patient.day_of_form_completion:
 Min. 1st Qu. Median Mean 3rd Qu. Max.
 1.00 8.00 13.00 14.68 23.00 31.00

patient.days_to_birth:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 -32873 -26164 -22414 -22420 -19440 -7530 1

patient.days_to_death:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 17.0 314.0 579.0 817.3 1166.8 2575.0 185

patient.days_to_last_followup:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 -13.0 160.0 525.0 831.3 1171.0 5324.0 76

patient.drugs.drug.10.bcr_drug_barcode:
 tcga-ie-a3ov-d42519 NA's
 1 260

patient.drugs.drug.10.bcr_drug_uuid:
 a3aa7dbf-c64a-42f1-abfc-cfbdfac513a6 NA's

1

260

patient.drugs.drug.10.day_of_form_completion:

23 NA's

1 260

patient.drugs.drug.10.days_to_drug_therapy_end:

2293 NA's

1 260

patient.drugs.drug.10.days_to_drug_therapy_start:

2232 NA's

1 260

patient.drugs.drug.10.drug_name:

alimta NA's

1 260

patient.drugs.drug.10.measure_of_response:

clinical progressive disease

1

NA's

260

patient.drugs.drug.10.month_of_form_completion:

4 NA's

1 260

patient.drugs.drug.10.therapy_ongoing:

no NA's

1 260

patient.drugs.drug.10.therapy_types.therapy_type:

chemotherapy NA's

1 260

patient.drugs.drug.10.tx_on_clinical_trial:

no NA's

1 260

patient.drugs.drug.10.year_of_form_completion:

2013 NA's

1 260

patient.drugs.drug.2.day_of_form_completion:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1.00	6.00	13.00	13.26	18.00	29.00	208

1.00 6.00 13.00 13.26 18.00 29.00 208

patient.drugs.drug.2.days_to_drug_therapy_end:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
36.0	181.0	407.0	555.9	773.0	3417.0	212

36.0 181.0 407.0 555.9 773.0 3417.0 212

patient.drugs.drug.2.days_to_drug_therapy_start:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
10.0	65.0	292.0	414.7	568.0	3256.0	208

patient.drugs.drug.2.measure_of_response:

clinical progressive disease	complete response
20	14
partial response	stable disease
5	3
NA's	
219	

patient.drugs.drug.2.month_of_form_completion:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1.000	6.000	9.000	8.113	11.000	12.000	208

patient.drugs.drug.2.number_cycles:

3	8 NA's
1	1 259

patient.drugs.drug.2.prescribed_dose:

675	900 NA's
1	1 259

patient.drugs.drug.2.prescribed_dose_units:

g/m2	mg/m2	NA's
1	1	259

patient.drugs.drug.2.regimen_indication:

adjuvant	NA's
2	259

patient.drugs.drug.2.regimen_number:

1	NA's
2	259

patient.drugs.drug.2.route_of_administrations.route_of_administration:

intravenous (iv)	NA's
2	259

patient.drugs.drug.2.therapy_ongoing:

no	yes	NA's
50	3	208

patient.drugs.drug.2.therapy_types.therapy_type:

chemotherapy	hormone therapy	NA's
49	3	209

patient.drugs.drug.2.total_dose:

3240000	NA's
1	260

patient.drugs.drug.2.total_dose_units:

mg NA's
1 260

patient.drugs.drug.2.tx_on_clinical_trial:

no yes NA's
45 4 212

patient.drugs.drug.2.year_of_form_completion:

2012 2013 2014 2015 NA's
5 11 35 2 208

patient.drugs.drug.3.day_of_form_completion:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1.00	5.00	13.00	13.42	18.00	30.00	230

patient.drugs.drug.3.days_to_drug_therapy_end:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
89	390	567	795	1044	2780	234

patient.drugs.drug.3.days_to_drug_therapy_start:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
34.0	288.0	489.0	612.2	806.0	2094.0	230

patient.drugs.drug.3.measure_of_response:

clinical progressive disease	complete response
15	4
partial response	stable disease
4	3
NA's	
235	

patient.drugs.drug.3.month_of_form_completion:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
3.000	6.000	9.000	8.742	11.500	12.000	230

patient.drugs.drug.3.prescribed_dose:

2.5 NA's
1 260

patient.drugs.drug.3.prescribed_dose_units:

mg/day NA's
1 260

patient.drugs.drug.3.regimen_indication:

progression NA's
1 260

patient.drugs.drug.3.regimen_number:

3 NA's
1 260

patient.drugs.drug.3.route_of_administrations.route_of_administration:

oral NA's
1 260

patient.drugs.drug.3.therapy_ongoing:

no yes NA's
27 4 230

patient.drugs.drug.3.therapy_types.therapy_type:

ancillary	chemotherapy
1	27
hormone therapy	targeted molecular therapy
1	2
NA's	
230	

patient.drugs.drug.3.tx_on_clinical_trial:

no yes NA's
25 4 232

patient.drugs.drug.3.year_of_form_completion:

2012 2013 2014 2015 NA's
1 5 24 1 230

patient.drugs.drug.4.day_of_form_completion:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1.00	5.00	13.00	14.05	20.75	30.00	241

patient.drugs.drug.4.days_to_drug_therapy_end:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
216.0	451.2	537.5	855.6	1140.0	2886.0	241

patient.drugs.drug.4.days_to_drug_therapy_start:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
32.0	359.2	488.0	728.6	925.2	2807.0	241

patient.drugs.drug.4.measure_of_response:

clinical progressive disease	partial response
14	3
stable disease	NA's
1	243

patient.drugs.drug.4.month_of_form_completion:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1.00	5.75	7.50	7.85	12.00	12.00	241

patient.drugs.drug.4.number_cycles:

8 NA's
1 260

patient.drugs.drug.4.prescribed_dose:

100 NA's
1 260

patient.drugs.drug.4.prescribed_dose_units:

mg/m2 NA's
1 260

patient.drugs.drug.4.regimen_indication:

adjuvant NA's
1 260

patient.drugs.drug.4.regimen_number:

1 NA's
1 260

patient.drugs.drug.4.route_of_administrations.route_of_administration:

intravenous (iv) NA's
1 260

patient.drugs.drug.4.therapy_ongoing:

no NA's
20 241

patient.drugs.drug.4.therapy_types.therapy_type:

chemotherapy	hormone therapy
17	1
immunotherapy	targeted molecular therapy
1	1
NA's	
241	

patient.drugs.drug.4.tx_on_clinical_trial:

no yes NA's
16 3 242

patient.drugs.drug.4.year_of_form_completion:

2012 2013 2014 2015 NA's
1 2 15 2 241

patient.drugs.drug.5.day_of_form_completion:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1.00	7.25	14.00	14.56	20.75	30.00	245

patient.drugs.drug.5.days_to_drug_therapy_end:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
228.0	524.5	945.0	1087.7	1286.0	3026.0	246

patient.drugs.drug.5.days_to_drug_therapy_start:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
123.0	485.8	820.0	990.2	1333.8	2898.0	245

patient.drugs.drug.5.measure_of_response:
clinical progressive disease

	11	NA's
		250

patient.drugs.drug.5.month_of_form_completion:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1.00	5.75	7.50	7.75	11.25	12.00	245

patient.drugs.drug.5.number_cycles:

11	NA's
1	260

patient.drugs.drug.5.prescribed_dose:

2.8	NA's
1	260

patient.drugs.drug.5.prescribed_dose_units:
g/day

1	NA's
1	260

patient.drugs.drug.5.regimen_indication:
progression

	NA's
1	260

patient.drugs.drug.5.regimen_number:

4	NA's
1	260

patient.drugs.drug.5.route_of_administrations.route_of_administration:
intravenous (iv)

	NA's
1	260

patient.drugs.drug.5.therapy_ongoing:

no	yes	NA's
15	1	245

patient.drugs.drug.5.therapy_types.therapy_type:
chemotherapy

	NA's
16	245

patient.drugs.drug.5.tx_on_clinical_trial:

no	yes	NA's
13	2	246

patient.drugs.drug.5.year_of_form_completion:

2012	2013	2014	2015	NA's
1	2	12	1	245

patient.drugs.drug.6.day_of_form_completion:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1.00	13.00	18.00	16.25	20.75	24.00	253

patient.drugs.drug.6.days_to_drug_therapy_end:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
228.0	426.5	1126.0	1134.0	1667.5	2396.0	254

patient.drugs.drug.6.days_to_drug_therapy_start:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
123.0	318.5	1289.0	1381.5	1785.5	3939.0	253

patient.drugs.drug.6.measure_of_response:

clinical progressive disease	NA's
7	254

patient.drugs.drug.6.month_of_form_completion:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1.000	5.500	7.500	7.125	9.250	12.000	253

patient.drugs.drug.6.therapy_ongoing:

no	yes	NA's
7	1	253

patient.drugs.drug.6.therapy_types.therapy_type:

chemotherapy	targeted	molecular	therapy
7			1
NA's			
253			

patient.drugs.drug.6.tx_on_clinical_trial:

no	yes	NA's
7	1	253

patient.drugs.drug.6.year_of_form_completion:

2013	2014	2015	NA's
1	6	1	253

patient.drugs.drug.7.bcr_drug_barcode:

tcga-3b-a9hr-d68594	tcga-dx-a3u7-d65092	tcga-ie-a3ov-d42516	NA's
1	1	1	258

patient.drugs.drug.7.bcr_drug_uuid:

8708aee3-c54b-4cf4-b059-2c68bb6dbb32	95942730-d152-44c2-b097-cee4df9e2ef1
1	1

b7432680-8022-4606-9337-709b9e42f436 1 NA's
258

patient.drugs.drug.7.day_of_form_completion:
1 18 23 NA's
1 1 1 258

patient.drugs.drug.7.days_to_drug_therapy_end:
1182 1918 2683 NA's
1 1 1 258

patient.drugs.drug.7.days_to_drug_therapy_start:
1133 1834 2396 NA's
1 1 1 258

patient.drugs.drug.7.drug_name:
ezn-2968 pazopanib NA's
1 2 258

patient.drugs.drug.7.measure_of_response:
clinical progressive disease NA's
3 258

patient.drugs.drug.7.month_of_form_completion:
4 9 12 NA's
1 1 1 258

patient.drugs.drug.7.therapy_ongoing:
no NA's
3 258

patient.drugs.drug.7.therapy_types.therapy_type:
chemotherapy targeted molecular therapy
2 1
NA's
258

patient.drugs.drug.7.tx_on_clinical_trial:
no yes NA's
2 1 258

patient.drugs.drug.7.year_of_form_completion:
2013 2014 NA's
1 2 258

patient.drugs.drug.8.bcr_drug_barcode:
tcga-dx-a3u7-d65093 tcga-ie-a3ov-d42517 NA's
1 1 259

patient.drugs.drug.8.bcr_drug_uuid:
42e7d909-7056-4ab8-af20-a37a812a4554 b93ea1cc-b0ae-47e1-86b7-c6b65907d6cb
1 1

NA's
259

patient.drugs.drug.8.day_of_form_completion:

18 23 NA's
1 1 259

patient.drugs.drug.8.days_to_drug_therapy_end:

1301 2037 NA's
1 1 259

patient.drugs.drug.8.days_to_drug_therapy_start:

1258 1973 NA's
1 1 259

patient.drugs.drug.8.drug_name:

dacarbazine enoticumab NA's
1 1 259

patient.drugs.drug.8.measure_of_response:

clinical progressive disease NA's
2 259

patient.drugs.drug.8.month_of_form_completion:

4 9 NA's
1 1 259

patient.drugs.drug.8.therapy_ongoing:

no NA's
2 259

patient.drugs.drug.8.therapy_types.therapy_type:

chemotherapy immunotherapy NA's
1 1 259

patient.drugs.drug.8.tx_on_clinical_trial:

no yes NA's
1 1 259

patient.drugs.drug.8.year_of_form_completion:

2013 2014 NA's
1 1 259

patient.drugs.drug.9.bcr_drug_barcode:

tcga-dx-a3u7-d65094 tcga-ie-a3ov-d42518 NA's
1 1 259

patient.drugs.drug.9.bcr_drug_uuid:

00bc2544-855a-4e58-89e4-f5dc86a187cf e347a30f-d343-4dcf-bcc4-3a650f6f36b0
1 1
NA's
259

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patient.drugs.drug.9.day_of_form_completion:
  18  23 NA's
  1   1 259

patient.drugs.drug.9.days_to_drug_therapy_end:
1427 2093 NA's
  1   1 259

patient.drugs.drug.9.days_to_drug_therapy_start:
1352 2073 NA's
  1   1 259

patient.drugs.drug.9.drug_name:
  ifosfamide threshold-302          NA's
                        1           1          259

patient.drugs.drug.9.measure_of_response:
clinical progressive disease          NA's
                        2              259

patient.drugs.drug.9.month_of_form_completion:
  4   9 NA's
  1   1 259

patient.drugs.drug.9.therapy_ongoing:
no NA's
  2 259

patient.drugs.drug.9.therapy_types.therapy_type:
chemotherapy          NA's
  2              259

patient.drugs.drug.9.tx_on_clinical_trial:
no yes NA's
  1  1 259

patient.drugs.drug.9.year_of_form_completion:
2013 2014 NA's
  1   1 259

patient.drugs.drug.clinical_trial_drug_classification:
chemotherapy          th-302          NA's
  1                   2            258

patient.drugs.drug.day_of_form_completion:
  Min. 1st Qu.  Median    Mean 3rd Qu.  Max.  NA's
  1.00   5.75   13.00   13.14  18.00  31.00  189

patient.drugs.drug.days_to_drug_therapy_end:

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Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
45.0	174.5	270.0	475.5	629.5	2293.0	201

patient.drugs.drug.days_to_drug_therapy_start:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
10.0	82.0	248.0	426.9	574.0	3701.0	190

patient.drugs.drug.measure_of_response:

clinical progressive disease	complete response	23	19
	partial response	5	6
	stable disease		
	NA's	208	

patient.drugs.drug.month_of_form_completion:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1.000	5.750	9.000	7.833	10.250	12.000	189

patient.drugs.drug.number_cycles:

1	3	NA's
1	1	259

patient.drugs.drug.prescribed_dose:

50	80	NA's
1	1	259

patient.drugs.drug.prescribed_dose_units:

g/m2	mg/m2	NA's
1	1	259

patient.drugs.drug.regimen_indication:

adjuvant progression	NA's
1	259

patient.drugs.drug.regimen_number:

1	2	NA's
1	1	259

patient.drugs.drug.route_of_administrations.route_of_administration:

intravenous (iv)	NA's
2	259

patient.drugs.drug.therapy_ongoing:

no	yes	NA's
63	9	189

patient.drugs.drug.total_dose:

384000	NA's
1	260

patient.drugs.drug.total_dose_units:

mg NA's
1 260

patient.drugs.drug.tx_on_clinical_trial:

no yes NA's
59 8 194

patient.drugs.drug.year_of_form_completion:

2012 2013 2014 2015 NA's
8 14 47 3 189

patient.ethnicity:

hispanic or latino not hispanic or latino NA's
5 223 33

patient.follow_ups.follow_up.2.additional_treatment_completion_success_outcome:

complete response partial response progressive disease stable disease
44 1 15 1
NA's
200

patient.follow_ups.follow_up.2.day_of_form_completion:

Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
2 13 19 18 25 31 200

patient.follow_ups.follow_up.2.days_to_death:

Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
224.0 478.0 738.0 932.6 1320.0 1970.0 254

patient.follow_ups.follow_up.2.days_to_last_followup:

Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
56.0 674.5 1179.5 1364.3 1831.0 4573.0 207

patient.follow_ups.follow_up.2.lost_follow_up:

no yes NA's
58 2 201

patient.follow_ups.follow_up.2.month_of_form_completion:

Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
1.000 3.000 9.000 6.721 9.000 12.000 200

patient.follow_ups.follow_up.2.new_tumor_events.new_tumor_event.2.additional_ph

no yes NA's
1 6 254

patient.follow_ups.follow_up.2.new_tumor_events.new_tumor_event.2.additional_rad

no NA's
7 254

patient.follow_ups.follow_up.2.new_tumor_events.new_tumor_event.2.days_to_new_tu
 2218 NA's
 1 260

patient.follow_ups.follow_up.2.new_tumor_events.new_tumor_event.2.days_to_new_tu
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 315.0 523.8 1080.0 1334.9 1769.2 3590.0 253

patient.follow_ups.follow_up.2.new_tumor_events.new_tumor_event.2.discontiguous_
 4 NA's
 1 260

patient.follow_ups.follow_up.2.new_tumor_events.new_tumor_event.2.new_neoplasm_e
 bone liver lung other, specify NA's
 1 2 1 4 253

patient.follow_ups.follow_up.2.new_tumor_events.new_tumor_event.2.new_neoplasm_e
 distant metastasis locoregional recurrence NA's
 4 4 253

patient.follow_ups.follow_up.2.new_tumor_events.new_tumor_event.2.new_neoplasm_o
 retroperitoneum NA's
 4 257

patient.follow_ups.follow_up.2.new_tumor_events.new_tumor_event.2.new_tumor_cell
 de-differentiated NA's
 1 260

patient.follow_ups.follow_up.2.new_tumor_events.new_tumor_event.2.new_tumor_even
 no yes NA's
 6 1 254

patient.follow_ups.follow_up.2.new_tumor_events.new_tumor_event.2.radiologic_tum
 6.2 22.4 NA's
 1 1 259

patient.follow_ups.follow_up.2.new_tumor_events.new_tumor_event.2.residual_disea
 r0 NA's
 1 260

patient.follow_ups.follow_up.2.new_tumor_events.new_tumor_event.2.tumor_multifoc
 no yes NA's
 1 1 259

patient.follow_ups.follow_up.2.new_tumor_events.new_tumor_event.3.additional_pha
 no yes NA's
 1 3 257

patient.follow_ups.follow_up.2.new_tumor_events.new_tumor_event.3.additional_rad
 no NA's
 4 257

patient.follow_ups.follow_up.2.new_tumor_events.new_tumor_event.3.days_to_new_tu
 662 2509 NA's
 1 1 259

patient.follow_ups.follow_up.2.new_tumor_events.new_tumor_event.3.days_to_new_tu
 349 876 916 2480 NA's
 1 1 1 1 257

patient.follow_ups.follow_up.2.new_tumor_events.new_tumor_event.3.new_neoplasm_e
 liver lung other, specify NA's
 1 2 1 257

patient.follow_ups.follow_up.2.new_tumor_events.new_tumor_event.3.new_neoplasm_e
 distant metastasis locoregional recurrence NA's
 3 1 257

patient.follow_ups.follow_up.2.new_tumor_events.new_tumor_event.3.new_neoplasm_o
 retroperitoneum NA's
 1 260

patient.follow_ups.follow_up.2.new_tumor_events.new_tumor_event.3.new_tumor_cell
 de-differentiated NA's
 1 260

patient.follow_ups.follow_up.2.new_tumor_events.new_tumor_event.3.new_tumor_even
 no yes NA's
 2 2 257

patient.follow_ups.follow_up.2.new_tumor_events.new_tumor_event.3.radiologic_tum
 5.8 NA's
 1 260

patient.follow_ups.follow_up.2.new_tumor_events.new_tumor_event.3.residual_disea
 r0 r2 NA's
 1 1 259

patient.follow_ups.follow_up.2.new_tumor_events.new_tumor_event.3.tumor_multifoc
 no yes NA's
 1 1 259

patient.follow_ups.follow_up.2.new_tumor_events.new_tumor_event.4.additional_ph
 yes NA's
 2 259

patient.follow_ups.follow_up.2.new_tumor_events.new_tumor_event.4.additional_rad
 no NA's
 2 259

patient.follow_ups.follow_up.2.new_tumor_events.new_tumor_event.4.days_to_new_tu
 626 NA's
 1 260

patient.follow_ups.follow_up.2.new_tumor_events.new_tumor_event.4.days_to_new_tu
 349 1027 NA's
 1 1 259

patient.follow_ups.follow_up.2.new_tumor_events.new_tumor_event.4.new_neoplasm_e
 liver NA's
 2 259

patient.follow_ups.follow_up.2.new_tumor_events.new_tumor_event.4.new_neoplasm_e
 distant metastasis NA's
 2 259

patient.follow_ups.follow_up.2.new_tumor_events.new_tumor_event.4.new_tumor_even
 no yes NA's
 1 1 259

patient.follow_ups.follow_up.2.new_tumor_events.new_tumor_event.4.residual_disea
 r0 NA's
 1 260

patient.follow_ups.follow_up.2.new_tumor_events.new_tumor_event.4.tumor_multifoc
 no NA's
 1 260

patient.follow_ups.follow_up.2.new_tumor_events.new_tumor_event.5.additional_pha
 yes NA's
 2 259

patient.follow_ups.follow_up.2.new_tumor_events.new_tumor_event.5.additional_rad
 no yes NA's
 1 1 259

patient.follow_ups.follow_up.2.new_tumor_events.new_tumor_event.5.days_to_new_tu
 662 NA's
 1 260

patient.follow_ups.follow_up.2.new_tumor_events.new_tumor_event.5.days_to_new_tu
 605 1287 NA's
 1 1 259

patient.follow_ups.follow_up.2.new_tumor_events.new_tumor_event.5.new_neoplasm_e
 lung other, specify NA's
 1 1 259

patient.follow_ups.follow_up.2.new_tumor_events.new_tumor_event.5.new_neoplasm_e
 distant metastasis NA's
 2 259

patient.follow_ups.follow_up.2.new_tumor_events.new_tumor_event.5.new_neoplasm_o
 intercostal NA's
 1 260

patient.follow_ups.follow_up.2.new_tumor_events.new_tumor_event.5.new_tumor_event
 no yes NA's
 1 1 259

patient.follow_ups.follow_up.2.new_tumor_events.new_tumor_event.5.residual_disease
 r2 NA's
 1 260

patient.follow_ups.follow_up.2.new_tumor_events.new_tumor_event.5.tumor_multifocal
 yes NA's
 1 260

patient.follow_ups.follow_up.2.new_tumor_events.new_tumor_event.6.additional_phases
 yes NA's
 1 260

patient.follow_ups.follow_up.2.new_tumor_events.new_tumor_event.6.additional_radiation
 no NA's
 1 260

patient.follow_ups.follow_up.2.new_tumor_events.new_tumor_event.6.days_to_new_tumor
 740 NA's
 1 260

patient.follow_ups.follow_up.2.new_tumor_events.new_tumor_event.6.new_neoplasm_event
 liver NA's
 1 260

patient.follow_ups.follow_up.2.new_tumor_events.new_tumor_event.6.new_neoplasm_event
 distant metastasis NA's
 1 260

patient.follow_ups.follow_up.2.new_tumor_events.new_tumor_event.6.new_tumor_event
 no NA's
 1 260

patient.follow_ups.follow_up.2.new_tumor_events.new_tumor_event.7.additional_phases
 yes NA's
 1 260

patient.follow_ups.follow_up.2.new_tumor_events.new_tumor_event.7.additional_radiation
 no NA's
 1 260

patient.follow_ups.follow_up.2.new_tumor_events.new_tumor_event.7.days_to_new_tumor
 1031 NA's
 1 260

patient.follow_ups.follow_up.2.new_tumor_events.new_tumor_event.7.new_neoplasm_event
 other, specify NA's
 1 260

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patient.follow_ups.follow_up.2.new_tumor_events.new_tumor_event.7.new_neoplasm_e
distant metastasis          NA's
              1              260

patient.follow_ups.follow_up.2.new_tumor_events.new_tumor_event.7.new_neoplasm_o
peritoneum          NA's
              1              260

patient.follow_ups.follow_up.2.new_tumor_events.new_tumor_event.7.new_tumor_even
no NA's
 1 260

patient.follow_ups.follow_up.2.new_tumor_events.new_tumor_event.8.additional_phar
yes NA's
 1 260

patient.follow_ups.follow_up.2.new_tumor_events.new_tumor_event.8.additional_rad
no NA's
 1 260

patient.follow_ups.follow_up.2.new_tumor_events.new_tumor_event.8.days_to_new_tu
1031 NA's
 1 260

patient.follow_ups.follow_up.2.new_tumor_events.new_tumor_event.8.new_neoplasm_e
other, specify          NA's
              1              260

patient.follow_ups.follow_up.2.new_tumor_events.new_tumor_event.8.new_neoplasm_e
distant metastasis          NA's
              1              260

patient.follow_ups.follow_up.2.new_tumor_events.new_tumor_event.8.new_neoplasm_o
kidney          NA's
 1 260

patient.follow_ups.follow_up.2.new_tumor_events.new_tumor_event.8.new_tumor_even
no NA's
 1 260

patient.follow_ups.follow_up.2.new_tumor_events.new_tumor_event.additional_pharm
no yes NA's
11 6 244

patient.follow_ups.follow_up.2.new_tumor_events.new_tumor_event.additional_radia
no yes NA's
16 1 244

patient.follow_ups.follow_up.2.new_tumor_events.new_tumor_event.days_to_new_tumo
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
173.0 449.0 564.0 890.4 1089.2 3234.0 249

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patient.follow_ups.follow_up.2.new_tumor_events.new_tumor_event.days_to_new_tumor
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.   NA's
116.0  297.5  411.5  573.7  753.2 1407.0   241

patient.follow_ups.follow_up.2.new_tumor_events.new_tumor_event.discontiguous_le
  2    3 NA's
  3    1 257

patient.follow_ups.follow_up.2.new_tumor_events.new_tumor_event.new_neoplasm_eve
  bone      liver      lung other, specify    NA's
    1         1         5         11         243

patient.follow_ups.follow_up.2.new_tumor_events.new_tumor_event.new_neoplasm_eve
  distant metastasis locoregional recurrence    NA's
                10                10                241

patient.follow_ups.follow_up.2.new_tumor_events.new_tumor_event.new_tumor_cellul
  de-differentiated well-differentiated    NA's
                2                3                256

patient.follow_ups.follow_up.2.new_tumor_events.new_tumor_event.new_tumor_cellul
  de-differentiated    NA's
                2                259

patient.follow_ups.follow_up.2.new_tumor_events.new_tumor_event.new_tumor_event_
  no  yes NA's
   6  12 243

patient.follow_ups.follow_up.2.new_tumor_events.new_tumor_event.pathologic_tumor
  3.1  6.1  19 NA's
   1   1   1 258

patient.follow_ups.follow_up.2.new_tumor_events.new_tumor_event.radiologic_tumor
  2.7  2.8 NA's
   1   1 259

patient.follow_ups.follow_up.2.new_tumor_events.new_tumor_event.residual_disease
  r0  r1  r2 NA's
  10   1   1 249

patient.follow_ups.follow_up.2.new_tumor_events.new_tumor_event.tumor_multifocal
  no  yes NA's
   8   5 248

patient.follow_ups.follow_up.2.new_tumor_events.new_tumor_event.tumor_sizes.tumo
  1.2 NA's
   1 260

patient.follow_ups.follow_up.2.new_tumor_events.new_tumor_event.tumor_sizes.tumo
  1.1 NA's

```

1 260

patient.follow_ups.follow_up.2.new_tumor_events.new_tumor_event.tumor_sizes.tumor

1.9 NA's

1 260

patient.follow_ups.follow_up.2.new_tumor_events.new_tumor_event.tumor_sizes.tumor

1.6 NA's

1 260

patient.follow_ups.follow_up.2.new_tumor_events.new_tumor_event_after_initial_tr

no yes NA's

40 20 201

patient.follow_ups.follow_up.2.person_neoplasm_cancer_status:

tumor free with tumor NA's

43 17 201

patient.follow_ups.follow_up.2.postoperative_rx_tx:

no yes NA's

48 12 201

patient.follow_ups.follow_up.2.radiation_therapy:

no yes NA's

44 16 201

patient.follow_ups.follow_up.2.vital_status:

alive dead NA's

54 7 200

patient.follow_ups.follow_up.2.year_of_form_completion:

2012 2013 2014 2015 NA's

1 4 32 24 200

patient.follow_ups.follow_up.3.additional_treatment_completion_success_outcome:

complete response progressive disease stable disease NA's

5 2 1 253

patient.follow_ups.follow_up.3.day_of_form_completion:

5 13 22 23 NA's

3 2 2 1 253

patient.follow_ups.follow_up.3.days_to_last_followup:

Min. 1st Qu. Median Mean 3rd Qu. Max. NA's

478.0 526.2 1045.5 1101.8 1348.2 2491.0 253

patient.follow_ups.follow_up.3.lost_follow_up:

no NA's

7 254

patient.follow_ups.follow_up.3.month_of_form_completion:

2 4 11 NA's
3 3 2 253

patient.follow_ups.follow_up.3.new_tumor_events.new_tumor_event.2.additional_ph

yes NA's
2 259

patient.follow_ups.follow_up.3.new_tumor_events.new_tumor_event.2.additional_rad

no NA's
2 259

patient.follow_ups.follow_up.3.new_tumor_events.new_tumor_event.2.days_to_new_tu

132 1792 NA's
1 1 259

patient.follow_ups.follow_up.3.new_tumor_events.new_tumor_event.2.new_neoplasm_e

other, specify NA's
2 259

patient.follow_ups.follow_up.3.new_tumor_events.new_tumor_event.2.new_neoplasm_e

distant metastasis NA's
2 259

patient.follow_ups.follow_up.3.new_tumor_events.new_tumor_event.2.new_neoplasm_o

pleura retroperitoneum NA's
1 1 259

patient.follow_ups.follow_up.3.new_tumor_events.new_tumor_event.2.new_tumor_even

no NA's
2 259

patient.follow_ups.follow_up.3.new_tumor_events.new_tumor_event.3.additional_ph

yes NA's
1 260

patient.follow_ups.follow_up.3.new_tumor_events.new_tumor_event.3.additional_rad

no NA's
1 260

patient.follow_ups.follow_up.3.new_tumor_events.new_tumor_event.3.days_to_new_tu

132 NA's
1 260

patient.follow_ups.follow_up.3.new_tumor_events.new_tumor_event.3.new_neoplasm_e

other, specify NA's
1 260

patient.follow_ups.follow_up.3.new_tumor_events.new_tumor_event.3.new_neoplasm_e

distant metastasis NA's
1 260

patient.follow_ups.follow_up.3.new_tumor_events.new_tumor_event.3.new_neoplasm_o
 heart NA's
 1 260

patient.follow_ups.follow_up.3.new_tumor_events.new_tumor_event.3.new_tumor_event
 no NA's
 1 260

patient.follow_ups.follow_up.3.new_tumor_events.new_tumor_event.additional_pharm
 no yes NA's
 2 3 256

patient.follow_ups.follow_up.3.new_tumor_events.new_tumor_event.additional_radia
 no NA's
 5 256

patient.follow_ups.follow_up.3.new_tumor_events.new_tumor_event.days_to_new_tumo
 805 1035 1318 NA's
 1 1 1 258

patient.follow_ups.follow_up.3.new_tumor_events.new_tumor_event.days_to_new_tumo
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 132 668 683 750 964 1303 256

patient.follow_ups.follow_up.3.new_tumor_events.new_tumor_event.new_neoplasm_eve
 lung other, specify NA's
 2 3 256

patient.follow_ups.follow_up.3.new_tumor_events.new_tumor_event.new_neoplasm_eve
 distant metastasis locoregional recurrence NA's
 3 2 256

patient.follow_ups.follow_up.3.new_tumor_events.new_tumor_event.new_neoplasm_occ
 axilla retroperitoneum upper arm NA's
 1 1 1 258

patient.follow_ups.follow_up.3.new_tumor_events.new_tumor_event.new_tumor_event_
 no yes NA's
 2 3 256

patient.follow_ups.follow_up.3.new_tumor_events.new_tumor_event.residual_disease
 r0 r1 NA's
 2 1 258

patient.follow_ups.follow_up.3.new_tumor_events.new_tumor_event.tumor_multifocal
 no NA's
 3 258

patient.follow_ups.follow_up.3.new_tumor_events.new_tumor_event_after_initial_tr
 no yes NA's
 3 5 253

patient.follow_ups.follow_up.3.person_neoplasm_cancer_status:
 tumor free with tumor NA's
 4 4 253

patient.follow_ups.follow_up.3.postoperative_rx_tx:
 no yes NA's
 7 1 253

patient.follow_ups.follow_up.3.radiation_therapy:
 no yes NA's
 6 2 253

patient.follow_ups.follow_up.3.vital_status:
 alive NA's
 8 253

patient.follow_ups.follow_up.3.year_of_form_completion:
 2012 2014 2015 NA's
 1 2 5 253

patient.follow_ups.follow_up.4.additional_treatment_completion_success_outcome:
 progressive disease NA's
 1 260

patient.follow_ups.follow_up.4.bcr_followup_barcode:
 tcga-hb-a3l4-f31060 NA's
 1 260

patient.follow_ups.follow_up.4.bcr_followup_uuid:
 c7bc61a3-004d-43d7-985d-deac26b32a54 NA's
 1 260

patient.follow_ups.follow_up.4.day_of_form_completion:
 23 NA's
 1 260

patient.follow_ups.follow_up.4.days_to_last_followup:
 861 NA's
 1 260

patient.follow_ups.follow_up.4.month_of_form_completion:
 4 NA's
 1 260

patient.follow_ups.follow_up.4.new_tumor_events.new_tumor_event.additional_pharm:
 yes NA's
 1 260

patient.follow_ups.follow_up.4.new_tumor_events.new_tumor_event.additional_radia:
 no NA's
 1 260

patient.follow_ups.follow_up.4.new_tumor_events.new_tumor_event.days_to_new_tumor
572 NA's
1 260

patient.follow_ups.follow_up.4.new_tumor_events.new_tumor_event.days_to_new_tumor
489 NA's
1 260

patient.follow_ups.follow_up.4.new_tumor_events.new_tumor_event.discontiguous_le
2 NA's
1 260

patient.follow_ups.follow_up.4.new_tumor_events.new_tumor_event.new_neoplasm_eve
liver NA's
1 260

patient.follow_ups.follow_up.4.new_tumor_events.new_tumor_event.new_neoplasm_eve
distant metastasis NA's
1 260

patient.follow_ups.follow_up.4.new_tumor_events.new_tumor_event.new_tumor_event
yes NA's
1 260

patient.follow_ups.follow_up.4.new_tumor_events.new_tumor_event.pathologic_tumor
14 NA's
1 260

patient.follow_ups.follow_up.4.new_tumor_events.new_tumor_event.radiologic_tumor
13.9 NA's
1 260

patient.follow_ups.follow_up.4.new_tumor_events.new_tumor_event.residual_disease
r0 NA's
1 260

patient.follow_ups.follow_up.4.new_tumor_events.new_tumor_event.tumor_multifocal
yes NA's
1 260

patient.follow_ups.follow_up.4.new_tumor_events.new_tumor_event.tumor_sizes.tumo
3.5 NA's
1 260

patient.follow_ups.follow_up.4.new_tumor_events.new_tumor_event.tumor_sizes.tumo
5.5 NA's
1 260

patient.follow_ups.follow_up.4.new_tumor_events.new_tumor_event.tumor_sizes.tumo
4 NA's
1 260

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patient.follow_ups.follow_up.4.new_tumor_events.new_tumor_event.tumor_sizes.tumor_size
4.9 NA's
1 260

patient.follow_ups.follow_up.4.new_tumor_events.new_tumor_event.tumor_sizes.tumor_size
4.3 NA's
1 260

patient.follow_ups.follow_up.4.new_tumor_events.new_tumor_event.tumor_sizes.tumor_size
6 NA's
1 260

patient.follow_ups.follow_up.4.new_tumor_events.new_tumor_event.tumor_sizes.tumor_size
8.5 NA's
1 260

patient.follow_ups.follow_up.4.new_tumor_events.new_tumor_event.tumor_sizes.tumor_size
7 NA's
1 260

patient.follow_ups.follow_up.4.new_tumor_events.new_tumor_event.tumor_sizes.tumor_size
9 NA's
1 260

patient.follow_ups.follow_up.4.new_tumor_events.new_tumor_event.tumor_sizes.tumor_size
7.1 NA's
1 260

patient.follow_ups.follow_up.4.new_tumor_events.new_tumor_event_after_initial_treatment
yes NA's
1 260

patient.follow_ups.follow_up.4.person_neoplasm_cancer_status:
with tumor NA's
1 260

patient.follow_ups.follow_up.4.postoperative_rx_tx:
yes NA's
1 260

patient.follow_ups.follow_up.4.radiation_therapy:
no NA's
1 260

patient.follow_ups.follow_up.4.vital_status:
alive NA's
1 260

patient.follow_ups.follow_up.4.year_of_form_completion:
2012 NA's
1 260
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patient.follow_ups.follow_up.5.additional_treatment_completion_success_outcome:
 progressive disease NA's
 1 260

patient.follow_ups.follow_up.5.bcr_followup_barcode:
 tcga-hb-a314-f38211 NA's
 1 260

patient.follow_ups.follow_up.5.bcr_followup_uuid:
 9d28eca9-c9f2-48ee-8a88-5afee5d7399d NA's
 1 260

patient.follow_ups.follow_up.5.day_of_form_completion:
 11 NA's
 1 260

patient.follow_ups.follow_up.5.days_to_death:
 1061 NA's
 1 260

patient.follow_ups.follow_up.5.lost_follow_up:
 no NA's
 1 260

patient.follow_ups.follow_up.5.month_of_form_completion:
 12 NA's
 1 260

patient.follow_ups.follow_up.5.new_tumor_events.new_tumor_event_after_initial_tr
 yes NA's
 1 260

patient.follow_ups.follow_up.5.person_neoplasm_cancer_status:
 with tumor NA's
 1 260

patient.follow_ups.follow_up.5.postoperative_rx_tx:
 yes NA's
 1 260

patient.follow_ups.follow_up.5.radiation_therapy:
 no NA's
 1 260

patient.follow_ups.follow_up.5.vital_status:
 dead NA's
 1 260

patient.follow_ups.follow_up.5.year_of_form_completion:
 2012 NA's
 1 260


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patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.2.new_neoplasm_event
distant metastasis locoregional recurrence NA's
17 3 241

patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.2.new_tumor_cellular
de-differentiated NA's
2 259

patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.2.new_tumor_event_
no yes NA's
8 6 247

patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.2.radiologic_tumor
1.4 3.4 NA's
1 1 259

patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.2.residual_disease
r0 r1 rx NA's
2 1 1 257

patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.2.tumor_multifocal
no NA's
8 253

patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.3.additional_pharm
no yes NA's
1 5 255

patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.3.additional_radia
no yes NA's
3 3 255

patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.3.days_to_new_tumo
1147 1371 1637 NA's
1 1 1 258

patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.3.days_to_new_tumo
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
772.0 900.5 1029.0 1175.9 1327.5 1974.0 254

patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.3.discontiguous_le
1 2 NA's
2 1 258

patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.3.new_neoplasm_event
bone lung other, specify NA's
1 3 3 254

patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.3.new_neoplasm_event
distant metastasis locoregional recurrence NA's
5 2 254

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patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.3.new_neoplasm_occurrence
      arm left gluteal muscle mass      left thigh
      1      1      1
      sacrum      NA's
      1      257

patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.3.new_tumor_event_3
      no  yes  NA's
      4   3   254

patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.3.radiologic_tumor_size
      3.9  6.5  NA's
      1    1   259

patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.3.residual_disease
      r0  r1  NA's
      1   1   259

patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.3.tumor_multifocal
      no  yes  NA's
      4   1   256

patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.4.additional_pharmaceuticals
      yes  NA's
      4   257

patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.4.additional_radiation
      no  NA's
      4   257

patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.4.days_to_new_tumor_event
      1785  NA's
      1    260

patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.4.days_to_new_tumor_event
      772  791  1492  1785  NA's
      1    1    1    1    257

patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.4.discontiguous_locations
      1    2  NA's
      2    1  258

patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.4.new_neoplasm_event_location
      bone      liver other, specify      NA's
      1          1          2          257

patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.4.new_neoplasm_event_location
      distant metastasis      NA's
      4          257

patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.4.new_neoplasm_occurrence

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	5th rib axillary ln/chest wall		left kidney
	1	1	1
	NA's		
	258		

patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.4.new_tumor_event_

no	yes	NA's
3	1	257

patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.4.radiologic_tumor

2.7	NA's
1	260

patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.4.tumor_multifocal

no	yes	NA's
1	1	259

patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.5.additional_pharm

yes	NA's
3	258

patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.5.additional_radia

no	NA's
3	258

patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.5.days_to_new_tumor

2197	NA's
1	260

patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.5.days_to_new_tumor

843	1414	2197	NA's
1	1	1	258

patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.5.discontiguous_le

2	NA's
1	260

patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.5.new_neoplasm_eve

lung	other, specify	NA's
2	1	258

patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.5.new_neoplasm_eve

distant metastasis	NA's
3	258

patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.5.new_neoplasm_occ

right flank and abdominal wall	NA's
1	260

patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.5.new_tumor_event_

no	yes	NA's
2	1	258

patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.5.tumor_multifocal
 no yes NA's
 1 1 259

patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.6.additional_pharm
 yes NA's
 2 259

patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.6.additional_radia
 no NA's
 2 259

patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.6.days_to_new_tumo
 2197 NA's
 1 260

patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.6.days_to_new_tumo
 843 2197 NA's
 1 1 259

patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.6.discontiguous_le
 1 NA's
 1 260

patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.6.new_neoplasm_eve
 other, specify NA's
 2 259

patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.6.new_neoplasm_eve
 distant metastasis locoregional recurrence NA's
 1 1 259

patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.6.new_neoplasm_occ
 left gluteal muscle mass neck NA's
 1 1 259

patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.6.new_tumor_event_
 no yes NA's
 1 1 259

patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.6.radiologic_tumor
 4.8 NA's
 1 260

patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.6.tumor_multifocal
 no NA's
 2 259

patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.7.additional_pharm
 no NA's
 2 259

patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.7.additional_radiation
 no yes NA's
 1 1 259

patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.7.days_to_new_tumor_event
 975 2435 NA's
 1 1 259

patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.7.new_neoplasm_event
 liver lung NA's
 1 1 259

patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.7.new_neoplasm_event
 distant metastasis NA's
 2 259

patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.7.new_tumor_event
 no NA's
 2 259

patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.7.tumor_multifocality
 no NA's
 2 259

patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.8.additional_pharmaceuticals
 no NA's
 2 259

patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.8.additional_radiation
 no yes NA's
 1 1 259

patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.8.days_to_new_tumor_event
 975 2435 NA's
 1 1 259

patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.8.discontiguous_location
 1 NA's
 1 260

patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.8.new_neoplasm_event
 other, specify NA's
 2 259

patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.8.new_neoplasm_event
 distant metastasis locoregional recurrence NA's
 1 1 259

patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.8.new_neoplasm_event
 left gluteal muscle mass paraspinal mets NA's
 1 1 259

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patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.8.new_tumor_event_
no NA's
2 259

patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.8.radiologic_tumor
5.4 NA's
1 260

patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.8.tumor_multifocal
no yes NA's
1 1 259

patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.additional_pharmac
no yes NA's
19 23 219

patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.additional_radiati
no yes NA's
36 5 220

patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.days_to_new_tumor_
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
242.0 448.0 576.0 769.2 862.0 2681.0 240

patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.days_to_new_tumor_
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
9.0 196.2 336.5 520.8 603.8 2659.0 185

patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.discontiguous_lesi
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
2.000 2.000 3.500 4.833 4.000 23.000 249

patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.new_neoplasm_event
distant metastasis locoregional disease locoregional recurrence
41 1 28
new primary tumor NA's
5 186

patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.new_tumor_cellular
de-differentiated well-differentiated NA's
5 1 255

patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.new_tumor_event_ad
no yes NA's
23 21 217

patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.pathologic_tumor_b
1.9 13.5 NA's
1 1 259

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```

patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.radiologic_tumor_b
4.5  16 31.7 NA's
  1   1   1 258

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patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.residual_disease_p
r0  r1  rx NA's
14  2   4 241

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patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.tumor_multifocal:
no  yes NA's
15  12 234

```

```

patient.follow_ups.follow_up.new_tumor_events.new_tumor_event_after_initial_trea
no  yes NA's
113 78  70

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```

patient.follow_ups.follow_up.person_neoplasm_cancer_status:
tumor free with tumor      NA's
      117          75          69

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patient.follow_ups.follow_up.postoperative_rx_tx:
no  yes NA's
154 40  67

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patient.follow_ups.follow_up.radiation_therapy:
no  yes NA's
145 48  68

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patient.follow_ups.follow_up.vital_status:
alive  dead  NA's
169    34    58

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patient.follow_ups.follow_up.year_of_form_completion:
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.    NA's
  2011   2013   2014   2014   2014   2015     56

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patient.gender:
female  male
  142   119

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```

patient.history_of_neoadjuvant_treatment:
no  yes
260  1

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patient.informed_consent_verified:
yes
261

```

patient.month_of_form_completion:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.
1.000	3.000	4.000	5.088	6.000	12.000

patient.new_tumor_events.new_tumor_event.2.additional_pharmaceutical_therapy:

no	yes	NA's
9	14	238

patient.new_tumor_events.new_tumor_event.2.additional_radiation_therapy:

no	yes	NA's
24	2	235

patient.new_tumor_events.new_tumor_event.2.days_to_new_tumor_event_additional_surgery:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
106.0	328.5	517.5	737.2	1211.8	1646.0	253

patient.new_tumor_events.new_tumor_event.2.days_to_new_tumor_event_after_initial_surgery:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
27.0	170.5	336.0	448.0	731.0	1372.0	222

patient.new_tumor_events.new_tumor_event.2.discontiguous_lesion_count:

1	2	3	NA's
4	1	1	255

patient.new_tumor_events.new_tumor_event.2.new_neoplasm_event_type:

distant	metastasis	locoregional	recurrence	new primary tumor
		28	10	1
		NA's		
		222		

patient.new_tumor_events.new_tumor_event.2.new_tumor_cellular_differentiation:

de-differentiated	well-differentiated	NA's
3	2	256

patient.new_tumor_events.new_tumor_event.2.new_tumor_event_additional_surgery_performed:

no	yes	NA's
21	8	232

patient.new_tumor_events.new_tumor_event.2.pathologic_tumor_burden:

0.7	10.5	14	NA's
1	1	1	258

patient.new_tumor_events.new_tumor_event.2.radiologic_tumor_burden:

0.5	1.1	2	NA's
1	1	1	258

patient.new_tumor_events.new_tumor_event.2.residual_disease_post_new_tumor_event:

r0	r1	rx	NA's
5	1	1	254

patient.new_tumor_events.new_tumor_event.2.tumor_multifocal:

no	yes	NA's
8	3	250

patient.new_tumor_events.new_tumor_event.3.additional_pharmaceutical_therapy:

no	yes	NA's
3	10	248

patient.new_tumor_events.new_tumor_event.3.additional_radiation_therapy:

no	yes	NA's
11	4	246

patient.new_tumor_events.new_tumor_event.3.days_to_new_tumor_event_additional_surgery:

306	577	1147	2003	NA's
1	1	1	1	257

patient.new_tumor_events.new_tumor_event.3.days_to_new_tumor_event_after_initial_surgery:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
103.0	308.0	785.0	786.7	1022.5	2055.0	242

patient.new_tumor_events.new_tumor_event.3.discontiguous_lesion_count:

1	2	3	NA's
1	1	1	258

patient.new_tumor_events.new_tumor_event.3.new_neoplasm_event_type:

distant	metastasis	locoregional	recurrence	NA's
		14	5	242

patient.new_tumor_events.new_tumor_event.3.new_tumor_cellular_differentiation:

de-differentiated	well-differentiated	NA's
1	1	259

patient.new_tumor_events.new_tumor_event.3.new_tumor_event_additional_surgery_performed:

no	yes	NA's
10	4	247

patient.new_tumor_events.new_tumor_event.3.pathologic_tumor_burden:

0.4	NA's
1	260

patient.new_tumor_events.new_tumor_event.3.radiologic_tumor_burden:

6.7	NA's
1	260

patient.new_tumor_events.new_tumor_event.3.residual_disease_post_new_tumor_event:

r0	r1	r2	NA's
2	2	1	256

patient.new_tumor_events.new_tumor_event.3.tumor_multifocal:

no	yes	NA's
----	-----	------

3 4 254

patient.new_tumor_events.new_tumor_event.4.additional_pharmaceutical_therapy:

no yes NA's
1 4 256

patient.new_tumor_events.new_tumor_event.4.additional_radiation_therapy:

no yes NA's
5 1 255

patient.new_tumor_events.new_tumor_event.4.days_to_new_tumor_event_after_initial

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
103.0	515.5	788.0	763.7	1023.0	1476.0	251

patient.new_tumor_events.new_tumor_event.4.discontiguous_lesion_count:

2 NA's
1 260

patient.new_tumor_events.new_tumor_event.4.new_neoplasm_event_occurrence_anatom

bone	other, specify	NA's
3	5	253

patient.new_tumor_events.new_tumor_event.4.new_neoplasm_event_type:

distant	metastasis	locoregional	recurrence	NA's
	8		2	251

patient.new_tumor_events.new_tumor_event.4.new_tumor_event_additional_surgery_pr

no NA's
7 254

patient.new_tumor_events.new_tumor_event.4.pathologic_tumor_burden:

80.5 NA's
1 260

patient.new_tumor_events.new_tumor_event.4.residual_disease_post_new_tumor_event

r2 NA's
1 260

patient.new_tumor_events.new_tumor_event.4.tumor_multifocal:

yes NA's
2 259

patient.new_tumor_events.new_tumor_event.5.additional_pharmaceutical_therapy:

yes NA's
1 260

patient.new_tumor_events.new_tumor_event.5.additional_radiation_therapy:

no NA's
1 260

patient.new_tumor_events.new_tumor_event.5.days_to_new_tumor_event_additional_su

```

635 NA's
  1 260

patient.new_tumor_events.new_tumor_event.5.days_to_new_tumor_event_after_initial
511 626 1035 1102 NA's
  1 1 1 1 257

patient.new_tumor_events.new_tumor_event.5.new_neoplasm_event_occurrence_anatomi
liver other, specify NA's
  1 3 257

patient.new_tumor_events.new_tumor_event.5.new_neoplasm_event_type:
distant metastasis NA's
  4 257

patient.new_tumor_events.new_tumor_event.5.new_neoplasm_occurrence_anatomic_site
buttock lower abdomen pancreas NA's
  1 1 1 258

patient.new_tumor_events.new_tumor_event.5.new_tumor_event_additional_surgery_pr
no yes NA's
  2 1 258

patient.new_tumor_events.new_tumor_event.5.residual_disease_post_new_tumor_event
r1 NA's
  1 260

patient.new_tumor_events.new_tumor_event.5.tumor_multifocal:
no NA's
  1 260

patient.new_tumor_events.new_tumor_event.6.days_to_new_tumor_event_after_initial
942 1102 NA's
  1 1 259

patient.new_tumor_events.new_tumor_event.6.new_neoplasm_event_occurrence_anatomi
lung other, specify NA's
  1 1 259

patient.new_tumor_events.new_tumor_event.6.new_neoplasm_event_type:
distant metastasis NA's
  2 259

patient.new_tumor_events.new_tumor_event.6.new_neoplasm_occurrence_anatomic_site
pelvis NA's
  1 260

patient.new_tumor_events.new_tumor_event.6.new_tumor_event_additional_surgery_pr
no NA's
  1 260

patient.new_tumor_events.new_tumor_event.additional_pharmaceutical_therapy:

```


no yes NA's
23 32 206

patient.new_tumor_events.new_tumor_event.additional_radiation_therapy:

no yes NA's
44 8 209

patient.new_tumor_events.new_tumor_event.days_to_new_tumor_event_additional_surg

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
-59.0	264.5	523.0	665.4	758.5	2682.0	226

patient.new_tumor_events.new_tumor_event.days_to_new_tumor_event_after_initial_t

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
7.0	130.5	284.0	410.3	513.5	2682.0	174

patient.new_tumor_events.new_tumor_event.discontiguous_lesion_count:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1.000	2.000	2.000	2.533	3.000	5.000	246

patient.new_tumor_events.new_tumor_event.new_neoplasm_event_type:

distant	metastasis	locoregional	recurrence	new primary tumor
		50		32
		NA's		6
		173		

patient.new_tumor_events.new_tumor_event.new_tumor_cellular_differentiation:

de-differentiated	well-differentiated	NA's
5	6	250

patient.new_tumor_events.new_tumor_event.new_tumor_cellular_differentiation.2:

de-differentiated	NA's
2	259

patient.new_tumor_events.new_tumor_event.new_tumor_event_additional_surgery_pro

no yes NA's
28 37 196

patient.new_tumor_events.new_tumor_event.pathologic_tumor_burden:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0.800	3.325	6.700	8.493	11.000	30.600	247

patient.new_tumor_events.new_tumor_event.radiologic_tumor_burden:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0.500	2.100	2.700	4.750	4.825	17.000	253

patient.new_tumor_events.new_tumor_event.residual_disease_post_new_tumor_event_m

r0 rx NA's
19 9 233

patient.new_tumor_events.new_tumor_event.tumor_multifocal:

no	yes	NA's
23	13	225

patient.new_tumor_events.new_tumor_event_after_initial_treatment:

no	yes	NA's
129	89	43

patient.person_neoplasm_cancer_status:

tumor free	with tumor	NA's
132	99	30

patient.postoperative_rx_tx:

no	yes	NA's
178	36	47

patient.primary_pathology.age_at_initial_pathologic_diagnosis:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.
20.00	53.00	61.00	60.87	71.00	90.00

patient.primary_pathology.contiguous_organ_invaded:

no	yes	NA's
43	16	202

patient.primary_pathology.days_to_initial_pathologic_diagnosis:

0
261

patient.primary_pathology.days_to_well_differentiated_liposarcoma_primary_dx:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
-7573	-5058	-3991	-4339	-2763	-2310	256

patient.primary_pathology.days_to_well_differentiated_liposarcoma_resection:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
-7573	-4649	-3544	-4100	-2846	-2310	255

patient.primary_pathology.discontiguous_lesion_count:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0.000	1.000	1.500	1.958	3.000	9.000	213

patient.primary_pathology.leiomyosarcoma_histologic_subtype:

conventional leiomyosarcoma	66
poorly differentiated or pleomorphic or epithelioid leiomyosarcoma	34
well-differentiated leiomyosarcoma (resembling leiomyoma)	4
NA's	157

patient.primary_pathology.local_disease_recurrence:
 no yes NA's
 145 29 87

patient.primary_pathology.margin_status:
 negative positive NA's
 137 74 50

patient.primary_pathology.metastatic_neoplasm_confirmed:
 no yes NA's
 122 56 83

patient.primary_pathology.metastatic_site_at_diagnosis:
 bone liver lung other, specify NA's
 2 2 40 11 206

patient.primary_pathology.mitotic_count:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 0.00 8.00 18.50 22.75 30.00 102.00 171

patient.primary_pathology.pathologic_tumor_burden:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 1.60 7.55 11.00 24.53 18.90 800.00 186

patient.primary_pathology.primary_tumor_lower_uterus_segment:
 no yes NA's
 71 30 160

patient.primary_pathology.radiologic_tumor_burden:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 2.000 5.575 9.250 26.756 13.625 800.000 213

patient.primary_pathology.residual_tumor:
 r0 r1 r2 rx NA's
 155 70 9 26 1

patient.primary_pathology.specific_tumor_total_necrosis_percent:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 0.00 5.00 15.00 19.46 30.00 80.00 165

patient.primary_pathology.synovial_sarcoma.mpnst_exisiting_plexiform_neurofibrom:
 no yes NA's
 4 4 253

patient.primary_pathology.synovial_sarcoma.mpnst_neurofibromatosis:
 nf1 no NA's
 6 4 251

patient.primary_pathology.synovial_sarcoma.mpnst_neurofibromatosis_hereditiy:

familial	sporadic	NA's	
4	2	255	

patient.primary_pathology.synovial_sarcoma.mpnst_nfl_genetic_testing:

	no	yes, mutations identified	NA's
	7	1	253

patient.primary_pathology.synovial_sarcoma.mpnst_specific_mutations:

heterozygous truncating mutation,	NA's
1	260

patient.primary_pathology.synovial_sarcoma.ss18_ssx_fusion_status:

positive - ss18-ssx2	NA's
1	260

patient.primary_pathology.synovial_sarcoma.ss18_ssx_testing_method:

fish for ss18 split	rt-pcr	NA's
2	1	258

patient.primary_pathology.tumor_depth:

deep	superficial	NA's
159	20	82

patient.primary_pathology.tumor_multifocal:

no	yes	NA's
173	29	59

patient.primary_pathology.tumor_sizes.tumor_size.2.pathologic_tumor_depth:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0.300	0.975	2.050	2.550	3.775	7.500	243

patient.primary_pathology.tumor_sizes.tumor_size.2.pathologic_tumor_length:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0.300	1.100	3.000	4.096	6.100	13.000	238

patient.primary_pathology.tumor_sizes.tumor_size.2.pathologic_tumor_width:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0.400	1.250	3.000	3.905	5.800	11.000	242

patient.primary_pathology.tumor_sizes.tumor_size.2.radiologic_tumor_length:

1.4	NA's
1	260

patient.primary_pathology.tumor_sizes.tumor_size.2.radiologic_tumor_width:

1	NA's
1	260

patient.primary_pathology.tumor_sizes.tumor_size.3.pathologic_tumor_depth:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0.500	2.000	2.100	3.244	4.000	8.700	252

patient.primary_pathology.tumor_sizes.tumor_size.3.pathologic_tumor_length:

complete response	3	partial response	1
radiographic progressive disease	2	stable disease	5
NA's	250		

patient.radiations.radiation.2.month_of_form_completion:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
3.000	3.000	9.000	7.462	11.000	12.000	248

patient.radiations.radiation.2.numfractions:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1.00	12.00	23.00	19.91	30.00	32.00	250

patient.radiations.radiation.2.radiation_dosage:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
30.00	53.61	4000.00	3310.54	5280.00	6400.00	249

patient.radiations.radiation.2.radiation_treatment_ongoing:

no NA's	
13	248

patient.radiations.radiation.2.radiation_type:

external	internal	NA's
11	1	249

patient.radiations.radiation.2.units:

cgy	gy	mci	NA's
7	3	1	250

patient.radiations.radiation.2.year_of_form_completion:

2012	2014	2015	NA's
1	10	2	248

patient.radiations.radiation.3.anatomic_treatment_site:

distant	recurrence	primary tumor	field	NA's
	2		1	258

patient.radiations.radiation.3.bcr_radiation_barcode:

tcga-dx-a6yv-r65005	tcga-si-a71q-r71518	tcga-x6-a7wc-r67911	NA's
1	1	1	258

patient.radiations.radiation.3.bcr_radiation_uuid:

1ebe76a7-57c1-4474-8fe0-907716d6173c	7245d684-4abf-429e-8b6d-9b2ec92b241e	NA's
	1	1
cef0387d-0c63-4c5b-8aa5-edad0d55b11c	NA's	258
	1	

patient.radiations.radiation.3.day_of_form_completion:

12	17	26	NA's
1	1	1	258

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patient.radiations.radiation.3.days_to_radiation_therapy_end:
  175  895 1387 NA's
    1    1    1  258

patient.radiations.radiation.3.days_to_radiation_therapy_start:
  164  886 1369 NA's
    1    1    1  258

patient.radiations.radiation.3.measure_of_response:
      complete response radiographic progressive disease
                                1                                1
                                NA's
                                259

patient.radiations.radiation.3.month_of_form_completion:
  3    9   11 NA's
  1    1    1  258

patient.radiations.radiation.3.numfractions:
  5 NA's
  1  260

patient.radiations.radiation.3.radiation_dosage:
  50 1440 NA's
  1    1  259

patient.radiations.radiation.3.radiation_treatment_ongoing:
  no NA's
  3  258

patient.radiations.radiation.3.radiation_type:
external      NA's
    3         258

patient.radiations.radiation.3.units:
  gy NA's
  1  260

patient.radiations.radiation.3.year_of_form_completion:
  2014 2015 NA's
    2    1  258

patient.radiations.radiation.4.anatomic_treatment_site:
distant recurrence      NA's
                        1         260

patient.radiations.radiation.4.bcr_radiation_barcode:
tcga-x6-a7wc-r67916      NA's
                        1         260

patient.radiations.radiation.4.bcr_radiation_uuid:

```


8ed3b09f-419e-4e91-b3d5-78d4aa94e280
1 NA's
260

patient.radiations.radiation.4.day_of_form_completion:
12 NA's
1 260

patient.radiations.radiation.4.days_to_radiation_therapy_end:
1051 NA's
1 260

patient.radiations.radiation.4.days_to_radiation_therapy_start:
1042 NA's
1 260

patient.radiations.radiation.4.measure_of_response:
partial response NA's
1 260

patient.radiations.radiation.4.month_of_form_completion:
11 NA's
1 260

patient.radiations.radiation.4.numfractions:
5 NA's
1 260

patient.radiations.radiation.4.radiation_dosage:
50 NA's
1 260

patient.radiations.radiation.4.radiation_treatment_ongoing:
no NA's
1 260

patient.radiations.radiation.4.radiation_type:
external NA's
1 260

patient.radiations.radiation.4.units:
gy NA's
1 260

patient.radiations.radiation.4.year_of_form_completion:
2014 NA's
1 260

patient.radiations.radiation.course_number:
1 NA's

1 260

patient.radiations.radiation.day_of_form_completion:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1.0	5.5	13.0	13.5	18.0	30.0	179

patient.radiations.radiation.days_to_radiation_therapy_end:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
12.0	114.0	132.0	239.2	167.0	2438.0	180

patient.radiations.radiation.days_to_radiation_therapy_start:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
7.0	61.0	92.5	198.7	123.5	2438.0	181

patient.radiations.radiation.measure_of_response:

complete response	partial response
41	2
radiographic progressive disease	stable disease
12	6
NA's	
200	

patient.radiations.radiation.month_of_form_completion:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1.000	4.000	6.000	6.293	9.000	12.000	179

patient.radiations.radiation.numfractions:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1.0	28.5	31.5	29.1	35.0	39.0	199

patient.radiations.radiation.radiation_dosage:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
21.6	4500.0	6000.0	4846.1	6300.0	8640.0	188

patient.radiations.radiation.radiation_treatment_ongoing:

no NA's
82 179

patient.radiations.radiation.radiation_type:

external external beam	internal	NA's
75	1	184

patient.radiations.radiation.regimen_indication:

adjuvant	NA's
1	260

patient.radiations.radiation.units:

cgy	gy	NA's
62	10	189

patient.radiations.radiation.year_of_form_completion:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
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	2011	2014	2014	2014	2014	2015	179
patient.tissue_prospective_collection_indicator:							
no	181	60	20	NA's			
yes	60	181	20	NA's			
patient.tissue_retrospective_collection_indicator:							
no	60	181	20	NA's			
yes	185	76					
patient.vital_status:							
alive	185	76					
dead							
patient.year_of_form_completion:							
2011	2	39	83	137			
2012							
2013							
2014							
patient.bcr_canonical_check.bcr_patient_canonical_reasons.bcr_canonical_reason:							
case matched expression control	2		case matched methylation control				
primary tumor and metastatic tumor(s)	1		primary tumor and recurrent tumor(s)				
NA's	252		3				
patient.bcr_canonical_check.bcr_patient_canonical_reasons.bcr_canonical_reason.2							
case matched methylation control	2		germline comparison				
NA's	257		2				
patient.bcr_canonical_check.bcr_patient_canonical_reasons.bcr_canonical_reason.3							
germline comparison	2		NA's				
NA's	259		2				
patient.bcr_canonical_check.bcr_patient_canonical_status:							
canonical	252		canonical - plus				
canonical - plus	9						
patient.biospecimen_cqcf.consent_or_death_status:							
consented	254		deceased				
deceased	7						
patient.biospecimen_cqcf.country:							
canada	4		russia		united states		vietnam
united states	4		249		4		
patient.biospecimen_cqcf.days_to_pathology_review:							
Min.	5	1st Qu.	120	Median	658	Mean	1172
3rd Qu.	1912	Max.	6902	NA's			
NA's	4						

patient.biospecimen_cqcf.days_to_sample_procurement:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 -7.00 0.00 22.00 35.01 39.00 917.00 4

patient.biospecimen_cqcf.digital_image_submitted:
 no yes NA's
 56 8 197

patient.biospecimen_cqcf.ethnicity:
 hispanic or latino not hispanic or latino NA's
 5 149 107

patient.biospecimen_cqcf.history_of_neoadjuvant_treatment:
 no
 261

patient.biospecimen_cqcf.method_of_sample_procurement:
 excisional biopsy incisional biopsy other (please specify)
 8 3 3
 surgical resection
 247

patient.biospecimen_cqcf.normal_controls.normal_control.2.days_to_normal_sample:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 -11.00 0.00 11.00 22.22 28.00 114.00 238

patient.biospecimen_cqcf.normal_controls.normal_control.2.extracted_dna.ncedna_d
 0.052 0.0888 0.124 589.73 NA's
 1 1 1 1 257

patient.biospecimen_cqcf.normal_controls.normal_control.2.extracted_dna.ncedna_d
 nano drop nanodrop nanodrop spectroscopy
 2 1 1
 NA's
 257

patient.biospecimen_cqcf.normal_controls.normal_control.2.extracted_dna.ncedna_d
 2.6 4.44 6.2305 17 NA's
 1 1 1 1 257

patient.biospecimen_cqcf.normal_controls.normal_control.2.extracted_dna.ncedna_d
 29 50 NA's
 1 3 257

patient.biospecimen_cqcf.normal_controls.normal_control.2.method_of_normal_sampl
 blood draw blood draw (preferred method)
 12 1
 surgical resection NA's

1 260

patient.biospecimen_cqcf.normal_controls.normal_control.5.vial_number:

5 NA's

1 260

patient.biospecimen_cqcf.normal_controls.normal_control.days_to_normal_sample_pr

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
-687.0	5.0	23.0	100.7	58.0	3208.0	4

patient.biospecimen_cqcf.normal_controls.normal_control.extracted_dna.ncedna_dna

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0.0190	0.1745	0.3223	81.3094	67.7875	1804.0000	181

patient.biospecimen_cqcf.normal_controls.normal_control.extracted_dna.ncedna_dna

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
2.6	15.0	20.0	22.9	21.0	185.0	181

patient.biospecimen_cqcf.normal_controls.normal_control.extracted_dna.ncedna_dna

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
13.0	50.0	88.1	152.6	194.3	785.0	181

patient.biospecimen_cqcf.normal_controls.normal_control.method_of_normal_sample_

blood draw blood draw (preferred method)	217	22
surgical resection	21	1

patient.biospecimen_cqcf.normal_controls.normal_control.normal_tissue.normal_tis

adjacent organ	muscle	other	NA's
3	12	6	240

patient.biospecimen_cqcf.normal_controls.normal_control.normal_tissue.normal_tis

distal (>2cm)	21	240
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patient.biospecimen_cqcf.normal_controls.normal_control.vial_number:

1 2

260 1

patient.biospecimen_cqcf.other_method_of_sample_procurement:

mrh/bs0 tah/bs0	NA's
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1	2	258
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patient.biospecimen_cqcf.other_vessel_used:

aluminum foil

1

cryosette

1

wrapped in foil; then stored in bag

wrapped in foil; then stored in storage bag
 1
 1
 NA's
 257

patient.biospecimen_cqcf.path_confirm_diagnosis_matching:
 no yes
 3 258

patient.biospecimen_cqcf.path_confirm_report_attached:
 no yes
 1 260

patient.biospecimen_cqcf.path_confirm_tumor_necrosis_metrics:
 no yes
 1 260

patient.biospecimen_cqcf.path_confirm_tumor_nuclei_metrics:
 no yes
 2 259

patient.biospecimen_cqcf.race:
 asian black or african american white
 3 16 154
 NA's
 88

patient.biospecimen_cqcf.reason_path_confirm_diagnosis_not_matching:
 macrodissection performed at tss to select f

 pathology analysis at tss determined a specific histological subtype different

 pathology review of frozen section for tcga determined histological subtype diff

patient.biospecimen_cqcf.sample_prescreened:
 yes
 261

patient.biospecimen_cqcf.site_of_disease_description:
 other NA's
 1 260

patient.biospecimen_cqcf.submitted_for_lce:
 no NA's
 41 220

patient.biospecimen_cqcf.top_slide_submitted:

no yes NA's
9 55 197

patient.biospecimen_cqcf.tumor_samples.tumor_sample.2.tumor_necrosis_percent:
0 2 50 NA's
3 1 1 256

patient.biospecimen_cqcf.tumor_samples.tumor_sample.2.tumor_nuclei_percent:
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
50 60 70 75 95 100 256

patient.biospecimen_cqcf.tumor_samples.tumor_sample.2.tumor_weight:
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
40 200 280 270 360 470 256

patient.biospecimen_cqcf.tumor_samples.tumor_sample.2.vial_number:
1 NA's
5 256

patient.biospecimen_cqcf.tumor_samples.tumor_sample.tumor_necrosis_percent:
Min. 1st Qu. Median Mean 3rd Qu. Max.
0.000 0.000 0.000 2.818 5.000 50.000

patient.biospecimen_cqcf.tumor_samples.tumor_sample.tumor_nuclei_percent:
Min. 1st Qu. Median Mean 3rd Qu. Max.
40.00 80.00 90.00 87.92 95.00 100.00

patient.biospecimen_cqcf.tumor_samples.tumor_sample.tumor_weight:
Min. 1st Qu. Median Mean 3rd Qu. Max.
30 200 200 278 200 2985

patient.biospecimen_cqcf.tumor_samples.tumor_sample.vial_number:
1
261

patient.biospecimen_cqcf.vessel_used:
biospecimen storage bag cassette cryomold
35 6 147
cryovial other (please specify)
71 2

patient.days_to_index:
0 NA's
257 4

patient.samples.sample.2.bcr_biospecimen_canonical_reasons.bcr_canonical_reason:
primary tumor and metastatic tumor(s) primary tumor and recurrent tumor(s)
1 3
NA's
257

patient.samples.sample.2.days_to_collection:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
38	233	883	1313	2038	6784	4

patient.samples.sample.2.initial_weight:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
30.0	147.5	315.0	354.5	397.5	950.0	239

patient.samples.sample.2.is_ffpe:

no
261

patient.samples.sample.2.oct_embedded:

false true
244 17

patient.samples.sample.2.portions.portion.analytes.analyte.2.a260_a280_ratio:

1.78 1.8 1.81 1.84 NA's
1 2 1 1 256

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.2.

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
118956130	132266844	145632881	147030366	164105557	174190420	256

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.2.

7 13 NA's
2 3 256

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.2.

0.15 0.16 0.17 NA's
1 2 2 256

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.2.

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
5.0	25.0	26.0	22.8	28.0	30.0	256

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.2.

no NA's
5 256

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.2.

3 5 12 NA's
2 2 1 256

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.2.

7 10 11 12 NA's
2 1 1 1 256

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.2.
2.08 3 3.4 NA's
2 1 2 256

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.2.
23 NA's
5 256

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.2.
13 20 NA's
2 3 256

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.2.
2012 2013 2014 NA's
2 1 2 256

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.bi
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
118956039 145676663 164081770 156115571 167803987 174191670 19

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.ce
7 9 13 NA's
3 237 2 19

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.co
0.15 0.16 0.17 0.5 NA's
1 2 2 237 19

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.da
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
5.00 8.00 11.50 15.57 24.00 30.00 19

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.is
no NA's
242 19

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.mo
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
1.00 5.00 7.00 5.64 7.00 12.00 19

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.pl
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
1.000 6.000 7.000 7.806 10.000 12.000 19

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.quantity
 1.95 2.21 3.2 40 NA's
 1 2 2 237 19

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.size
 23 NA's
 242 19

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.volume
 13 20 80 NA's
 3 2 237 19

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.year
 2012 2013 2014 NA's
 30 81 131 19

patient.samples.sample.2.portions.portion.analytes.analyte.2.amount:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 9.70 16.58 17.66 25.83 21.72 63.50 256

patient.samples.sample.2.portions.portion.analytes.analyte.2.analyte_type:
 repli-g (qiagen) dna rna NA's
 237 5 19

patient.samples.sample.2.portions.portion.analytes.analyte.2.analyte_type_id:
 r w NA's
 5 237 19

patient.samples.sample.2.portions.portion.analytes.analyte.2.concentration:
 0.15 0.16 0.17 NA's
 1 2 2 256

patient.samples.sample.2.portions.portion.analytes.analyte.2.dna.normal_tumor_grade
 yes NA's
 237 24

patient.samples.sample.2.portions.portion.analytes.analyte.2.dna.pcr_amplification
 yes NA's
 237 24

patient.samples.sample.2.portions.portion.analytes.analyte.2.gel_image_file:
<https://sharedoc.nchri.org/tcga-bcr/default.aspx>
 242
 NA's
 19

patient.samples.sample.2.portions.portion.analytes.analyte.2.is_derived_from_ffp
 no NA's
 242 19

```

patient.samples.sample.2.portions.portion.analytes.analyte.2.protocols.protocol.
mirvana (allprep dna) rna                repli-g                NA's
                    5                    237                    19

```

```

patient.samples.sample.2.portions.portion.analytes.analyte.2.rna.ratio_28s_18s:
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.   NA's
 1.500  1.700   1.720   1.754  1.920   1.930   256

```

```

patient.samples.sample.2.portions.portion.analytes.analyte.2.rna.rinvalue:
  7.6  7.9  9.2  9.3 NA's
   1   2   1   1 256

```

```

patient.samples.sample.2.portions.portion.analytes.analyte.2.spectrophotometer_m
uv spec    NA's
          5    256

```

```

patient.samples.sample.2.portions.portion.analytes.analyte.2.subportion_sequence
  1   2   3 NA's
 15  4   2 240

```

```

patient.samples.sample.2.portions.portion.analytes.analyte.3.aliquots.aliquot.bo
tcga-dx-a3ly-01b-11w-a29a-09 tcga-k1-a3pn-02a-11w-a234-09
                    1                    1
tcga-k1-a42x-02a-11w-a26c-09 tcga-si-a71o-06a-11w-a44r-09
                    1                    1
                    NA's
                    257

```

```

patient.samples.sample.2.portions.portion.analytes.analyte.3.aliquots.aliquot.bo
1c96e2f4-831d-4567-888a-74b5313313f6 207e40d4-dd03-4f03-ad68-0af43f0bea57
                    1                    1
519ac7fb-fcac-42e5-8fd3-ccefedba16a3 88d76477-39b3-4180-a6ba-0494ab863a63
                    1                    1
                    NA's
                    257

```

```

patient.samples.sample.2.portions.portion.analytes.analyte.3.aliquots.aliquot.bi
132270311 132270850 145673198 167803937    NA's
          1          1          1          1    257

```

```

patient.samples.sample.2.portions.portion.analytes.analyte.3.aliquots.aliquot.ce
  9 NA's
  4 257

```

```

patient.samples.sample.2.portions.portion.analytes.analyte.3.aliquots.aliquot.co
  0.5 NA's
  4 257

```

```

patient.samples.sample.2.portions.portion.analytes.analyte.3.aliquots.aliquot.da
  8  11  27 NA's
  2   1   1 257

```

```

patient.samples.sample.2.portions.portion.analytes.analyte.3.aliquots.aliquot.is
no NA's
4 257

patient.samples.sample.2.portions.portion.analytes.analyte.3.aliquots.aliquot.mo
2 5 7 NA's
1 1 2 257

patient.samples.sample.2.portions.portion.analytes.analyte.3.aliquots.aliquot.pl
1 4 7 11 NA's
1 1 1 1 257

patient.samples.sample.2.portions.portion.analytes.analyte.3.aliquots.aliquot.pl
a234 a26c a29a a44r NA's
1 1 1 1 257

patient.samples.sample.2.portions.portion.analytes.analyte.3.aliquots.aliquot.pl
c e f NA's
2 1 1 257

patient.samples.sample.2.portions.portion.analytes.analyte.3.aliquots.aliquot.qu
40 NA's
4 257

patient.samples.sample.2.portions.portion.analytes.analyte.3.aliquots.aliquot.so
23 NA's
4 257

patient.samples.sample.2.portions.portion.analytes.analyte.3.aliquots.aliquot.vo
80 NA's
4 257

patient.samples.sample.2.portions.portion.analytes.analyte.3.aliquots.aliquot.ye
2012 2013 2014 NA's
1 2 1 257

patient.samples.sample.2.portions.portion.analytes.analyte.3.analyte_type:
repli-g (qiagen) dna NA's
4 257

patient.samples.sample.2.portions.portion.analytes.analyte.3.analyte_type_id:
w NA's
4 257

patient.samples.sample.2.portions.portion.analytes.analyte.3.bcr_analyte_barcode
tcga-dx-a3ly-01b-11w tcga-k1-a3pn-02a-11w tcga-k1-a42x-02a-11w
1 1 1
tcga-si-a71o-06a-11w NA's
1 257

patient.samples.sample.2.portions.portion.analytes.analyte.3.bcr_analyte_uuid:

```

```

07432460-df70-4035-a712-4b35eb28c7b2 0f21f79b-dcbc-4bbf-bc62-e92f39d5fea9
                                1                                1
220684b2-c9fb-4daf-9f3e-ebaabb9a936b e09e27fd-f20b-4372-88ba-5326e51cfd51
                                1                                1
                                NA's
                                257

```

```

patient.samples.sample.2.portions.portion.analytes.analyte.3.dna.normal_tumor_ge
yes NA's
4 257

```

```

patient.samples.sample.2.portions.portion.analytes.analyte.3.dna.pcr_amplificati
yes NA's
4 257

```

```

patient.samples.sample.2.portions.portion.analytes.analyte.3.gel_image_file:
https://sharedoc.nchri.org/tcga-bcr/default.aspx
                                4
                                NA's
                                257

```

```

patient.samples.sample.2.portions.portion.analytes.analyte.3.is_derived_from_ffp
no NA's
4 257

```

```

patient.samples.sample.2.portions.portion.analytes.analyte.3.protocols.protocol.
repli-g      NA's
4           257

```

```

patient.samples.sample.2.portions.portion.analytes.analyte.3.subportion_sequence
1 NA's
4 257

```

```

patient.samples.sample.2.portions.portion.analytes.analyte.a260_a280_ratio:
1.96 NA's
1 260

```

```

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.2.bi
Min. 1st Qu. Median Mean 3rd Qu. Max.
118961386 132270727 153889109 150951258 164081526 174190649

```

```

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.2.ce
9
261

```

```

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.2.co
0.07 0.08 0.09
99 139 23

```

```

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.2.da

```

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.
5.0	16.0	26.0	22.2	28.0	30.0

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.2.is
no
261

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.
1.000	3.000	4.000	5.261	6.000	12.000

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.
1.000	6.000	7.000	7.686	9.000	12.000

2.8	3.2	3.6
99	139	23

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.2.so
23
261

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.2.vo
40
261

2012	2013	2014
52	97	112

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
118957152	132157266	132275880	140334492	150705832	174190096	139

5	26	NA's
5	117	139

0.14	0.15	0.16	0.17	NA's
26	27	36	33	139

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
5.00	12.00	25.00	20.37	28.00	30.00	139

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.3.is


```

no NA's
122 139

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.3.mo
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.   NA's
  1.000  3.000  5.000  5.861  9.000  12.000   139

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.3.pl
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.   NA's
  1.000  6.000  7.000  7.639  9.000  12.000   139

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.3.qu
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.   NA's
  1.40   1.50   1.60   1.58   1.70   1.95   139

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.3.sc
  23 NA's
122 139

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.3.vo
  10  13 NA's
117  5  139

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.3.ye
2012 2013 2014 NA's
  40  70  12  139

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.4.bo
tcga-dx-a3lt-10a-01d-a32v-09 tcga-dx-a3lw-10a-01d-a32v-09
                                1                                1
tcga-k1-a3pn-02a-11d-a22m-26 tcga-k1-a42x-02a-11d-a24w-05
                                1                                1
                                NA's
                                257

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.4.bo
0b8a7a87-aeb5-47f8-b41c-a7452edb1e08 25c9b24c-5f2a-43ce-af2b-15b52d718f0f
                                1                                1
2d8fb05e-4fb9-4350-b197-a56f40089cb7 c7214163-07fc-488c-90f5-a10990ebaa09
                                1                                1
                                NA's
                                257

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.4.bi
122971445 132270668 150757032 150757055    NA's
              1              1              1              1              257

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.4.ce
  5  9  26 NA's
  1  2  1  257

```

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.4.co
 0.07 0.14 0.17 NA's
 2 1 1 257

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.4.da
 2 5 30 NA's
 2 1 1 257

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.4.is
 no NA's
 4 257

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.4.mo
 5 10 12 NA's
 1 2 1 257

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.4.pl
 1 4 6 NA's
 2 1 1 257

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.4.pl
 a22m a24w a32v NA's
 1 1 2 257

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.4.pl
 a b d e NA's
 1 1 1 1 257

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.4.qu
 1.4 2.21 NA's
 3 1 257

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.4.so
 23 NA's
 4 257

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.4.vo
 10 13 20 NA's
 1 1 2 257

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.4.ye
 2012 2013 NA's
 2 2 257

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.bios
 Min. 1st Qu. Median Mean 3rd Qu. Max.
 118966670 132270749 153889091 150438155 164055447 174190692

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.cent

1
261

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.conc
0.14 0.15 0.16 0.17
64 63 80 54

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.day_
Min. 1st Qu. Median Mean 3rd Qu. Max.
5.00 12.00 26.00 21.77 28.00 30.00

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.is_d
no
261

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.mont
Min. 1st Qu. Median Mean 3rd Qu. Max.
1.000 2.000 4.000 4.713 6.000 12.000

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.plat
Min. 1st Qu. Median Mean 3rd Qu. Max.
1.000 6.000 7.000 7.686 9.000 12.000

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.quant
0.94 1.01 1.07 1.14
64 63 80 54

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.sour
23
261

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.vol
6.7
261

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.year
2012 2013 2014
52 84 125

patient.samples.sample.2.portions.portion.analytes.analyte.amount:
Min. 1st Qu. Median Mean 3rd Qu. Max.
3.62 8.87 13.90 20.58 24.78 120.09

patient.samples.sample.2.portions.portion.analytes.analyte.analyte_type:
dna
261

patient.samples.sample.2.portions.portion.analytes.analyte.analyte_type_id:
d
261

patient.samples.sample.2.portions.portion.portion_sequence:

1	2	3	NA's
171	4	1	85

patient.samples.sample.2.portions.portion.slides.slide.2.bcr_slide_barcode:

tcga-qq-a5v9-11a-02-tsb	NA's
1	260

patient.samples.sample.2.portions.portion.slides.slide.2.bcr_slide_uuid:

de991cb2-5865-43fd-82eb-9b8fd380cee3	NA's
1	260

patient.samples.sample.2.portions.portion.slides.slide.2.image_file_name:

tcga-qq-a5v9-11a-02-tsb.de991cb2-5865-43fd-82eb-9b8fd380cee3.svs	1
	NA's
	260

patient.samples.sample.2.portions.portion.slides.slide.2.is_derived_from_ffpe:

no NA's
1 260

patient.samples.sample.2.portions.portion.slides.slide.2.percent_lymphocyte_infi

1 NA's
1 260

patient.samples.sample.2.portions.portion.slides.slide.2.percent_monocyte_infilt

0 NA's
1 260

patient.samples.sample.2.portions.portion.slides.slide.2.percent_necrosis:

0 NA's
1 260

patient.samples.sample.2.portions.portion.slides.slide.2.percent_neutrophil_infi

0 NA's
1 260

patient.samples.sample.2.portions.portion.slides.slide.2.percent_normal_cells:

100 NA's
1 260

patient.samples.sample.2.portions.portion.slides.slide.2.percent_stromal_cells:

0 NA's
1 260

patient.samples.sample.2.portions.portion.slides.slide.2.percent_tumor_cells:

0 NA's
1 260

patient.samples.sample.2.portions.portion.slides.slide.2.percent_tumor_nuclei:

0 NA's
1 260

patient.samples.sample.2.portions.portion.slides.slide.2.section_location:
top NA's
1 260

patient.samples.sample.2.portions.portion.slides.slide.3.bcr_slide_barcode:
tcga-qq-a5v9-11a-03-tsc NA's
1 260

patient.samples.sample.2.portions.portion.slides.slide.3.bcr_slide_uuid:
81f61633-c1a5-40f9-b953-d4e42882c069 NA's
1 260

patient.samples.sample.2.portions.portion.slides.slide.3.image_file_name:
tcga-qq-a5v9-11a-03-tsc.81f61633-c1a5-40f9-b953-d4e42882c069.svs
1
NA's
260

patient.samples.sample.2.portions.portion.slides.slide.3.is_derived_from_ffpe:
no NA's
1 260

patient.samples.sample.2.portions.portion.slides.slide.3.percent_lymphocyte_infi:
1 NA's
1 260

patient.samples.sample.2.portions.portion.slides.slide.3.percent_monocyte_infilt:
0 NA's
1 260

patient.samples.sample.2.portions.portion.slides.slide.3.percent_necrosis:
0 NA's
1 260

patient.samples.sample.2.portions.portion.slides.slide.3.percent_neutrophil_infi:
0 NA's
1 260

patient.samples.sample.2.portions.portion.slides.slide.3.percent_normal_cells:
100 NA's
1 260

patient.samples.sample.2.portions.portion.slides.slide.3.percent_stromal_cells:
0 NA's
1 260

patient.samples.sample.2.portions.portion.slides.slide.3.percent_tumor_cells:
0 NA's
1 260

patient.samples.sample.2.portions.portion.slides.slide.3.percent_tumor_nuclei:
 0 NA's
 1 260

patient.samples.sample.2.portions.portion.slides.slide.3.section_location:
 top NA's
 1 260

patient.samples.sample.2.portions.portion.slides.slide.is_derived_from_ffpe:
 no NA's
 22 239

patient.samples.sample.2.portions.portion.slides.slide.percent_lymphocyte_infiltration:
 0 1 2 3 NA's
 10 7 2 3 239

patient.samples.sample.2.portions.portion.slides.slide.percent_monocyte_infiltration:
 0 1 NA's
 17 5 239

patient.samples.sample.2.portions.portion.slides.slide.percent_necrosis:
 0 5 NA's
 21 1 239

patient.samples.sample.2.portions.portion.slides.slide.percent_neutrophil_infiltration:
 0 1 2 NA's
 19 2 1 239

patient.samples.sample.2.portions.portion.slides.slide.percent_normal_cells:
 0 50 100 NA's
 7 1 14 239

patient.samples.sample.2.portions.portion.slides.slide.percent_stromal_cells:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 0.00 0.00 0.00 12.73 0.00 100.00 239

patient.samples.sample.2.portions.portion.slides.slide.percent_tumor_cells:
 0 70 95 100 NA's
 17 1 1 3 239

patient.samples.sample.2.portions.portion.slides.slide.percent_tumor_nuclei:
 0 88 97 100 NA's
 17 1 2 2 239

patient.samples.sample.2.portions.portion.slides.slide.section_location:
 top NA's
 22 239

patient.samples.sample.2.portions.portion.weight:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
2.00	2.00	2.00	14.87	2.00	300.00	87

patient.samples.sample.2.portions.portion.year_of_creation:

2011	2012	2013	2014
30	56	98	77

patient.samples.sample.2.portions.shipment_portion.bcr_shipment_portion_uuid:

12b51ec3-e12d-4767-82d7-1da1605fdaa0	67d9aacb-87a3-42d5-9a32-fc1380aaf140	1	1
ae5756bf-84c2-4769-ad8e-132c69828fcb	bbecb2f3-2340-4019-a470-c78ef62e51a3	1	1
	NA's		
	257		

patient.samples.sample.2.portions.shipment_portion.center_id:

20	NA's
4	257

patient.samples.sample.2.portions.shipment_portion.is_ffpe:

no	NA's
4	257

patient.samples.sample.2.portions.shipment_portion.plate_id:

a455	a456	NA's
3	1	257

patient.samples.sample.2.portions.shipment_portion.portion_number:

21	NA's
4	257

patient.samples.sample.2.portions.shipment_portion.portion_sequence:

2	NA's
3	258

patient.samples.sample.2.portions.shipment_portion.shipment_portion_bcr_aliquot_

tcga-dx-a3ly-01b-21-a455-20	tcga-k1-a3pn-02a-21-a455-20	1	1
tcga-k1-a42x-02a-21-a455-20	tcga-vt-a80j-02a-21-a456-20	1	1
	NA's		
	257		

patient.samples.sample.2.portions.shipment_portion.shipment_portion_day_of_shipm

9	NA's
4	257

patient.samples.sample.2.portions.shipment_portion.shipment_portion_month_of_shi

7	NA's
4	257

patient.samples.sample.2.portions.shipment_portion.shipment_portion_year_of_ship
 2014 NA's
 4 257

patient.samples.sample.2.sample_type:
 blood derived normal metastatic primary tumor
 238 1 1
 recurrent tumor solid tissue normal
 3 18

patient.samples.sample.2.sample_type_id:
 1 2 6 10 11
 1 3 1 238 18

patient.samples.sample.2.vial_number:
 a b d e
 241 18 1 1

patient.samples.sample.3.days_to_collection:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 86.0 202.0 365.0 799.6 588.0 3178.0 252

patient.samples.sample.3.initial_weight:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 50.0 122.5 200.0 286.7 292.5 850.0 255

patient.samples.sample.3.is_ffpe:
 no NA's
 9 252

patient.samples.sample.3.oct_embedded:
 false true NA's
 6 3 252

patient.samples.sample.3.portions.portion.analytes.analyte.2.a260_a280_ratio:
 1.75 1.84 NA's
 1 1 259

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.bi
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 122970493 132270305 145673201 142152180 145676652 167803451 252

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.co
 7 9 NA's
 2 7 252

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.co
 0.16 0.5 NA's

2 7 252

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.da

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
8.00	11.00	27.00	21.11	27.00	28.00	252

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.is

no NA's
9 252

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.mo

2	3	5	7	NA's
4	2	1	2	252

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.pl

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
4.000	5.000	6.000	6.556	7.000	11.000	252

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.pl

b	c	d	h	NA's
2	4	2	1	252

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.qu

2.08 40 NA's
2 7 252

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.so

23 NA's
9 252

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.vo

13 80 NA's
2 7 252

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.ye

2012 2013 2014 NA's
3 4 2 252

patient.samples.sample.3.portions.portion.analytes.analyte.2.amount:

9.56 29.2 NA's
1 1 259

patient.samples.sample.3.portions.portion.analytes.analyte.2.analyte_type:

repli-g (qiagen)	dna	rna	NA's
	7	2	252

patient.samples.sample.3.portions.portion.analytes.analyte.2.analyte_type_id:

r	w	NA's
2	7	252

patient.samples.sample.3.portions.portion.analytes.analyte.2.concentration:
 0.16 NA's
 2 259

patient.samples.sample.3.portions.portion.analytes.analyte.2.dna.normal_tumor_ge
 yes NA's
 7 254

patient.samples.sample.3.portions.portion.analytes.analyte.2.dna.pcr_amplificati
 yes NA's
 7 254

patient.samples.sample.3.portions.portion.analytes.analyte.2.gel_image_file:
<https://sharedoc.nchri.org/tcga-bcr/default.aspx>
 9
 NA's
 252

patient.samples.sample.3.portions.portion.analytes.analyte.2.is_derived_from_ffp
 no NA's
 9 252

patient.samples.sample.3.portions.portion.analytes.analyte.2.protocols.protocol.
 mirvana (allprep dna) rna repli-g NA's
 2 7 252

patient.samples.sample.3.portions.portion.analytes.analyte.2.rna.ratio_28s_18s:
 1.4 1.6 NA's
 1 1 259

patient.samples.sample.3.portions.portion.analytes.analyte.2.rna.rinvalue:
 7 8 NA's
 1 1 259

patient.samples.sample.3.portions.portion.analytes.analyte.2.spectrophotometer_m
 uv spec NA's
 2 259

patient.samples.sample.3.portions.portion.analytes.analyte.2.subportion_sequence
 1 2 NA's
 3 3 255

patient.samples.sample.3.portions.portion.analytes.analyte.3.aliquots.aliquot.bo
 tcga-fx-a2qs-11a-11w-a225-09 tcga-k1-a3po-11a-12w-a225-09
 1 1
 NA's
 259

patient.samples.sample.3.portions.portion.analytes.analyte.3.aliquots.aliquot.bo
 51a39d86-fe4e-478e-b8f5-cc194ebcdb50 b82377b3-35cb-4829-a7c1-13f09f4577b7
 1 1

NA's
259

patient.samples.sample.3.portions.portion.analytes.analyte.3.aliquots.aliquot.bi
122972381 122972394 NA's
1 1 259

patient.samples.sample.3.portions.portion.analytes.analyte.3.aliquots.aliquot.ce
9 NA's
2 259

patient.samples.sample.3.portions.portion.analytes.analyte.3.aliquots.aliquot.co
0.5 NA's
2 259

patient.samples.sample.3.portions.portion.analytes.analyte.3.aliquots.aliquot.da
16 NA's
2 259

patient.samples.sample.3.portions.portion.analytes.analyte.3.aliquots.aliquot.is
no NA's
2 259

patient.samples.sample.3.portions.portion.analytes.analyte.3.aliquots.aliquot.mo
5 NA's
2 259

patient.samples.sample.3.portions.portion.analytes.analyte.3.aliquots.aliquot.pl
6 NA's
2 259

patient.samples.sample.3.portions.portion.analytes.analyte.3.aliquots.aliquot.pl
a225 NA's
2 259

patient.samples.sample.3.portions.portion.analytes.analyte.3.aliquots.aliquot.pl
e f NA's
1 1 259

patient.samples.sample.3.portions.portion.analytes.analyte.3.aliquots.aliquot.qu
40 NA's
2 259

patient.samples.sample.3.portions.portion.analytes.analyte.3.aliquots.aliquot.so
23 NA's
2 259

patient.samples.sample.3.portions.portion.analytes.analyte.3.aliquots.aliquot.vo
80 NA's
2 259

patient.samples.sample.3.portions.portion.analytes.analyte.3.aliquots.aliquot.ye

2012 NA's
2 259

patient.samples.sample.3.portions.portion.analytes.analyte.3.analyte_type:
repli-g (qiagen) dna NA's
2 259

patient.samples.sample.3.portions.portion.analytes.analyte.3.analyte_type_id:
w NA's
2 259

patient.samples.sample.3.portions.portion.analytes.analyte.3.bcr_analyte_barcode:
tcga-fx-a2qs-11a-11w tcga-k1-a3po-11a-12w NA's
1 1 259

patient.samples.sample.3.portions.portion.analytes.analyte.3.bcr_analyte_uuid:
3d3ee7b6-b5d5-41e7-9cdf-40700a6944fa ee284cfb-2de3-431c-a913-fa0a006a70ae
1 1
NA's
259

patient.samples.sample.3.portions.portion.analytes.analyte.3.dna.normal_tumor_ge
yes NA's
2 259

patient.samples.sample.3.portions.portion.analytes.analyte.3.dna.pcr_amplificati
yes NA's
2 259

patient.samples.sample.3.portions.portion.analytes.analyte.3.gel_image_file:
<https://sharedoc.nchri.org/tcga-bcr/default.aspx>
2
NA's
259

patient.samples.sample.3.portions.portion.analytes.analyte.3.is_derived_from_ffp
no NA's
2 259

patient.samples.sample.3.portions.portion.analytes.analyte.3.protocols.protocol.
repli-g NA's
2 259

patient.samples.sample.3.portions.portion.analytes.analyte.3.subportion_sequence
1 2 NA's
1 1 259

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.2.bi
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
118965754 122971242 132254511 136141682 145632737 164081512 252

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.2.ce
 9 NA's
 9 252

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.2.co
 0.07 0.08 0.09 NA's
 4 4 1 252

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.2.da

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
5	5	25	19	28	30	252

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.2.is
 no NA's
 9 252

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.2.mo

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1.000	3.000	5.000	6.778	12.000	12.000	252

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.2.pl

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
4.000	6.000	6.000	6.667	7.000	11.000	252

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.2.qu
 2.8 3.2 3.6 NA's
 4 4 1 252

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.2.so
 23 NA's
 9 252

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.2.vo
 40 NA's
 9 252

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.2.ye
 2012 2013 2014 NA's
 6 2 1 252

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.3.bi

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
122970504	122971066	132266322	132295407	132266342	160356208	254

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.3.ce
 5 26 NA's
 2 5 254

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.3.co
 0.15 0.16 0.17 NA's
 4 2 1 254

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.3.da
 5 16 28 30 NA's
 3 1 2 1 254

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.3.is
 no NA's
 7 254

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.3.mo
 3 5 10 12 NA's
 2 1 1 3 254

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.3.pl
 4 6 7 NA's
 2 4 1 254

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.3.pl
 a21r a22m a24t a33m NA's
 2 1 3 1 254

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.3.pl
 c d e f NA's
 2 3 1 1 254

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.3.qu
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 1.500 1.500 1.600 1.690 1.825 2.080 254

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.3.so
 23 NA's
 7 254

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.3.vo
 10 13 NA's
 5 2 254

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.3.ye
 2012 2013 NA's
 6 1 254

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.4.bo
 tcga-fx-a2qs-11a-11d-a21s-26 tcga-fx-a48g-11a-12d-a24w-05
 1 1
 tcga-k1-a42x-11a-11d-a24w-05 tcga-kf-a41w-11a-11d-a24w-05
 1 1
 NA's
 257

```

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.4.bo
34d27e94-2057-43dc-8f8e-f6f7ce337681 42eac056-842b-42fc-ac34-4391877ce15e
                                1                                1
47131a08-03d2-47ee-8cb0-291c1fd3c7b2 75bb0940-7828-4f6c-b6d6-46b037c3afaf
                                1                                1
                                NA's
                                257

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.4.bi
122970682 132266838 132270675 132270692      NA's
                1                1                1                1                257

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.4.ce
    5    26 NA's
    3     1 257

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.4.co
0.15 0.16 0.17 NA's
    1     2     1 257

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.4.da
    5    28 NA's
    3     1 257

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.4.is
no NA's
    4 257

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.4.mo
    3    12 NA's
    1     3 257

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.4.pl
    4     6 NA's
    2     2 257

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.4.pl
a21s a24w NA's
    1     3 257

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.4.pl
    c     d     f NA's
    2     1     1 257

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.4.qu
1.6 1.95 2.08 2.21 NA's
    1     1     1     1 257

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.4.so
23 NA's
    4 257

```


patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.4.vo
 10 13 NA's
 1 3 257

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.4.ye
 2012 NA's
 4 257

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.bios
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 118966714 122970762 132270653 136150875 145671521 164081508 252

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.cent
 1 NA's
 9 252

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.conc
 0.14 0.15 0.16 0.17 NA's
 1 4 2 2 252

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.day_
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 5.00 5.00 25.00 19.56 28.00 30.00 252

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.is_d
 no NA's
 9 252

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.mont
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 1.000 3.000 5.000 6.778 12.000 12.000 252

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.plat
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 4.000 6.000 6.000 6.667 7.000 11.000 252

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.quant
 0.94 1.01 1.07 1.14 NA's
 1 4 2 2 252

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.sour
 23 NA's
 9 252

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.vol
 6.7 NA's
 9 252

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.year
2012 2013 2014 NA's

6 2 1 252

patient.samples.sample.3.portions.portion.analytes.analyte.amount:

Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
6.04 6.90 14.82 15.96 20.76 35.59 252

patient.samples.sample.3.portions.portion.analytes.analyte.analyte_type:

dna NA's
9 252

patient.samples.sample.3.portions.portion.analytes.analyte.analyte_type_id:

d NA's
9 252

patient.samples.sample.3.portions.portion.analytes.analyte.concentration:

0.14 0.15 0.16 0.17 NA's
1 4 2 2 252

patient.samples.sample.3.portions.portion.analytes.analyte.dna.normal_tumor_genom

yes NA's
9 252

patient.samples.sample.3.portions.portion.analytes.analyte.dna.pcr_amplification

yes NA's
9 252

patient.samples.sample.3.portions.portion.analytes.analyte.gel_image_file:

<https://sharedoc.nchri.org/tcga-bcr/default.aspx>
9
NA's
252

patient.samples.sample.3.portions.portion.analytes.analyte.is_derived_from_ffpe:

no NA's
9 252

patient.samples.sample.3.portions.portion.analytes.analyte.protocols.protocol.ex

adna preparation type NA's
9 252

patient.samples.sample.3.portions.portion.analytes.analyte.spectrophotometer_met

picogreen NA's
9 252

patient.samples.sample.3.portions.portion.analytes.analyte.subportion_sequence:

1 2 NA's
3 3 255

patient.samples.sample.3.portions.portion.day_of_creation:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
6.00	17.00	21.00	19.33	27.00	27.00	252

patient.samples.sample.3.portions.portion.is_ffpe:

no NA's
9 252

patient.samples.sample.3.portions.portion.month_of_creation:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
2.000	6.000	8.000	6.889	9.000	11.000	252

patient.samples.sample.3.portions.portion.portion_number:

1	11	12	22	NA's
3	3	2	1	252

patient.samples.sample.3.portions.portion.portion_sequence:

1	2	NA's
8	1	252

patient.samples.sample.3.portions.portion.slides.slide.is_derived_from_ffpe:

no NA's
6 255

patient.samples.sample.3.portions.portion.slides.slide.percent_lymphocyte_infiltration:

0	1	3	NA's
4	1	1	255

patient.samples.sample.3.portions.portion.slides.slide.percent_monocyte_infiltration:

0	6	NA's
5	1	255

patient.samples.sample.3.portions.portion.slides.slide.percent_necrosis:

0 NA's
6 255

patient.samples.sample.3.portions.portion.slides.slide.percent_neutrophil_infiltration:

0	1	NA's
5	1	255

patient.samples.sample.3.portions.portion.slides.slide.percent_normal_cells:

80	100	NA's
1	5	255

patient.samples.sample.3.portions.portion.slides.slide.percent_stromal_cells:

0	20	NA's
---	----	------

5 1 255

patient.samples.sample.3.portions.portion.slides.slide.percent_tumor_cells:
 0 NA's
 6 255

patient.samples.sample.3.portions.portion.slides.slide.percent_tumor_nuclei:
 0 NA's
 6 255

patient.samples.sample.3.portions.portion.slides.slide.section_location:
 top NA's
 6 255

patient.samples.sample.3.portions.portion.weight:
 2 20 30 NA's
 3 1 5 252

patient.samples.sample.3.portions.portion.year_of_creation:
 2011 2012 2013 NA's
 1 6 2 252

patient.samples.sample.3.sample_type:
 blood derived normal solid tissue normal NA's
 3 6 252

patient.samples.sample.3.sample_type_id:
 10 11 NA's
 3 6 252

patient.samples.sample.3.vial_number:
 a b NA's
 8 1 252

patient.samples.sample.days_to_collection:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 38 225 883 1303 2038 6931 4

patient.samples.sample.diagnostic_slides.ffpe_slide_uuid.10:
 49214666-c714-41b3-b562-a0c5b05ab722 NA's
 1 260

patient.samples.sample.diagnostic_slides.ffpe_slide_uuid.11:
 0440fc98-da55-4257-8c41-d85df933dc7f NA's
 1 260

patient.samples.sample.diagnostic_slides.ffpe_slide_uuid.12:
 3598742c-cb50-4f43-bfa4-58117446f7b6 NA's
 1 260

patient.samples.sample.diagnostic_slides.ffpe_slide_uuid.13: 40ba6624-ae9d-487a-ac1f-5b1cacc850ba 1	NA's 260
patient.samples.sample.diagnostic_slides.ffpe_slide_uuid.14: 0378bfd0-91ed-4eaa-a3ac-64d95fd76f44 1	NA's 260
patient.samples.sample.diagnostic_slides.ffpe_slide_uuid.15: 5e7e9be1-82a8-470d-b248-45fb9bc18910 1	NA's 260
patient.samples.sample.diagnostic_slides.ffpe_slide_uuid.16: 7e75bdcf-ca0e-466d-9ed4-ed87d47cf4ee 1	NA's 260
patient.samples.sample.diagnostic_slides.ffpe_slide_uuid.17: 4c927ccc-9572-457c-85e3-6ba5458fd983 1	NA's 260
patient.samples.sample.diagnostic_slides.ffpe_slide_uuid.18: b49ef622-5a3a-4aad-a2af-b58150dd707c 1	NA's 260
patient.samples.sample.diagnostic_slides.ffpe_slide_uuid.19: 920d693b-8ff9-4784-aa87-4f7d73f651e1 1	NA's 260
patient.samples.sample.diagnostic_slides.ffpe_slide_uuid.20: 0729ab89-f7cf-4ddb-9735-87d2402de5b5 1	NA's 260
patient.samples.sample.diagnostic_slides.ffpe_slide_uuid.21: 8a27b115-5bbe-4e47-8c0f-33a0b2165300 1	NA's 260
patient.samples.sample.diagnostic_slides.ffpe_slide_uuid.22: c04b72fb-815c-4520-8c95-ce2aa4ca9815 1	NA's 260
patient.samples.sample.diagnostic_slides.ffpe_slide_uuid.23: 4cf5ad3a-c432-4f9c-ad86-6bdbbb88b73b 1	NA's 260
patient.samples.sample.diagnostic_slides.ffpe_slide_uuid.24: 62349dce-ea2f-4da1-b671-df83ff7d58fc 1	NA's 260
patient.samples.sample.diagnostic_slides.ffpe_slide_uuid.25: 40980d79-8f3a-4cf2-91af-04c997b00eab	NA's

	1	260
patient.samples.sample.diagnostic_slides.ffpe_slide_uuid.26: f3f683dc-37f9-47c8-9aaa-766ee879ac46	1	NA's 260
patient.samples.sample.diagnostic_slides.ffpe_slide_uuid.27: ee2225e6-ee58-40f1-ad24-b3f45bcc0029	1	NA's 260
patient.samples.sample.diagnostic_slides.ffpe_slide_uuid.28: fcbdc34b-a467-46cc-883c-b19a66c124e9	1	NA's 260
patient.samples.sample.diagnostic_slides.ffpe_slide_uuid.29: 32c6abe8-b05e-418b-aa30-52bc5e1888c3	1	NA's 260
patient.samples.sample.diagnostic_slides.ffpe_slide_uuid.30: 95e300fb-73a2-463a-9a1c-069770c86f52	1	NA's 260
patient.samples.sample.diagnostic_slides.ffpe_slide_uuid.6: 8ab57c98-a4b8-48d8-9107-23cded6c838e	1	9984fd31-e82e-44e7-9269-b6b90698b510 1
aa4e7c84-518f-4f14-9dc7-3f28ffa6d95e	1	NA's 258
patient.samples.sample.diagnostic_slides.ffpe_slide_uuid.7: 1d2a8ed5-5342-4b2d-9076-b10353563393	1	e2453e84-0c56-4ce1-8154-4b624f121b1d 1
	NA's	
	259	
patient.samples.sample.diagnostic_slides.ffpe_slide_uuid.8: 99c4b5ef-3694-42df-9c3a-92acbc29c87	1	e526559b-1371-43c7-879d-aa7c4c4617d4 1
	NA's	
	259	
patient.samples.sample.diagnostic_slides.ffpe_slide_uuid.9: afe2b0a2-d1c1-4146-88c3-33927783f042	1	b00068fb-abe2-417f-86e6-c777438cebdb 1
	NA's	
	259	
patient.samples.sample.initial_weight:		
Min.	1st Qu.	Median
20.0	160.0	330.0
	Mean	3rd Qu.
	423.1	610.0
	Max.	2150.0

```
patient.samples.sample.is_ffpe:  
no  
261
```

```
patient.samples.sample.oct_embedded:  
false true  
44 217
```

```
patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.bcr_  
tcga-dx-a240-01a-32w-a29a-09 NA's  
1 260
```

```
patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.bcr_  
3c74c616-7e25-41ca-9712-e1301c08c8d2 NA's  
1 260
```

```
patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.bios  
132270312 NA's  
1 260
```

```
patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.cent  
9 NA's  
1 260
```

```
patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.conc  
0.5 NA's  
1 260
```

```
patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.day_  
8 NA's  
1 260
```

```
patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.is_d  
no NA's  
1 260
```

```
patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.mont  
5 NA's  
1 260
```

```
patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.plat  
1 NA's  
1 260
```

```
patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.plat  
a29a NA's  
1 260
```

```
patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.plat
```

```

b NA's
1 260

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.quant
40 NA's
1 260

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.sour
23 NA's
1 260

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.vol
80 NA's
1 260

patient.samples.sample.portions.portion.2.analytes.analyte.aliquots.aliquot.year
2013 NA's
1 260

patient.samples.sample.portions.portion.2.analytes.analyte.analyte_type:
repli-g (qiagen) dna NA's
1 260

patient.samples.sample.portions.portion.2.analytes.analyte.analyte_type_id:
w NA's
1 260

patient.samples.sample.portions.portion.2.analytes.analyte.bcr_analyte_barcode:
tcga-dx-a240-01a-32w NA's
1 260

patient.samples.sample.portions.portion.2.analytes.analyte.bcr_analyte_uuid:
63a29a3f-bcca-40bb-90dd-6e8929b3f82b NA's
1 260

patient.samples.sample.portions.portion.2.analytes.analyte.dna.normal_tumor_geno
yes NA's
1 260

patient.samples.sample.portions.portion.2.analytes.analyte.dna.pcr_amplification
yes NA's
1 260

patient.samples.sample.portions.portion.2.analytes.analyte.gel_image_file:
https://sharedoc.nchri.org/tcga-bcr/default.aspx
1
NA's
260

patient.samples.sample.portions.portion.2.analytes.analyte.is_derived_from_ffpe:
no NA's
1 260

```



```

patient.samples.sample.portions.portion.2.analytes.analyte.protocols.protocol.ex
repli-g      NA's
           1      260

```

```

patient.samples.sample.portions.portion.2.analytes.analyte.subportion_sequence:
  2 NA's
  1  260

```

```

patient.samples.sample.portions.portion.2.bcr_portion_barcode:
tcga-dx-a240-01a-32      NA's
           1              260

```

```

patient.samples.sample.portions.portion.2.bcr_portion_uuid:
4b5b5994-c016-4581-b3b4-418b4381260f      NA's
           1                                260

```

```

patient.samples.sample.portions.portion.2.day_of_creation:
  21 NA's
  1  260

```

```

patient.samples.sample.portions.portion.2.is_ffpe:
no NA's
  1  260

```

```

patient.samples.sample.portions.portion.2.month_of_creation:
  7 NA's
  1  260

```

```

patient.samples.sample.portions.portion.2.portion_number:
  32 NA's
  1  260

```

```

patient.samples.sample.portions.portion.2.portion_sequence:
  3 NA's
  1  260

```

```

patient.samples.sample.portions.portion.2.slides.slide.bcr_slide_barcode:
tcga-dx-a240-01a-03-tsc      NA's
           1                  260

```

```

patient.samples.sample.portions.portion.2.slides.slide.bcr_slide_uuid:
f759dfe2-6410-494c-a5f3-a1e8e7be19a7      NA's
           1                                260

```

```

patient.samples.sample.portions.portion.2.slides.slide.image_file_name:
tcga-dx-a240-01a-03-tsc.f759dfe2-6410-494c-a5f3-a1e8e7be19a7.svs
                                                                    1
                                                                    NA's
                                                                    260

```

```

patient.samples.sample.portions.portion.2.slides.slide.is_derived_from_ffpe:

```

```

no NA's
1 260

patient.samples.sample.portions.portion.2.slides.slide.percent_lymphocyte_infiltration:
0 NA's
1 260

patient.samples.sample.portions.portion.2.slides.slide.percent_monocyte_infiltration:
0 NA's
1 260

patient.samples.sample.portions.portion.2.slides.slide.percent_necrosis:
0 NA's
1 260

patient.samples.sample.portions.portion.2.slides.slide.percent_neutrophil_infiltration:
0 NA's
1 260

patient.samples.sample.portions.portion.2.slides.slide.percent_normal_cells:
0 NA's
1 260

patient.samples.sample.portions.portion.2.slides.slide.percent_stromal_cells:
10 NA's
1 260

patient.samples.sample.portions.portion.2.slides.slide.percent_tumor_cells:
90 NA's
1 260

patient.samples.sample.portions.portion.2.slides.slide.percent_tumor_nuclei:
90 NA's
1 260

patient.samples.sample.portions.portion.2.slides.slide.section_location:
top NA's
1 260

patient.samples.sample.portions.portion.2.weight:
20 NA's
1 260

patient.samples.sample.portions.portion.2.year_of_creation:
2011 NA's
1 260

patient.samples.sample.portions.portion.analytes.analyte.2.a260_a280_ratio:
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.    NA's
1.500  1.810   1.860   1.857  1.900   2.260     1

```



```

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.3.bo
3ab8aba7-9bde-42d3-b95b-e12e2779470b 55a3890b-6df6-49fb-9437-94dddb4b32e
                                1                                1
f5fc7fbe-0a97-4f3e-a20d-b428f756960b                                NA's
                                1                                258

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.3.bi
167812900 167812970 167812985      NA's
              1              1              1      258

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.3.ce
  7 NA's
  3 258

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.3.co
0.16 0.18 NA's
  1   2 258

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.3.da
  9 NA's
  3 258

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.3.is
no NA's
  3 258

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.3.mo
12 NA's
  3 258

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.3.pl
  3   5   7 NA's
  1   1   1 258

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.3.pl
a466 NA's
  3 258

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.3.pl
  a   b   h NA's
  1   1   1 258

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.3.qu
1.06 1.19 NA's
  1   2 258

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.3.so
23 NA's
  3 258

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.3.vo

```

6.6 NA's
3 258

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.3.ye
2014 NA's
3 258

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.bios
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
118956003 132269808 153889476 150384336 164104213 174191706 1

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.cent
7 13 NA's
158 102 1

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.conc
0.15 0.16 0.17 0.18 NA's
29 92 87 52 1

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.day_
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
5.00 16.00 26.00 22.15 28.00 30.00 1

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.is_d
no NA's
260 1

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.mont
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
1.000 3.000 4.000 5.281 6.000 12.000 1

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.plat
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
1.000 5.000 7.000 6.746 9.000 12.000 1

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.quant
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
1.950 2.080 2.340 2.618 3.200 3.600 1

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.sour
23 NA's
260 1

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.volu
13 20 NA's
158 102 1

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.year

2012 2013 2014 NA's
 52 97 111 1

patient.samples.sample.portions.portion.analytes.analyte.2.amount:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 6.14 16.95 24.95 30.23 40.83 89.43 1

patient.samples.sample.portions.portion.analytes.analyte.2.analyte_type:
 rna NA's
 260 1

patient.samples.sample.portions.portion.analytes.analyte.2.analyte_type_id:
 r NA's
 260 1

patient.samples.sample.portions.portion.analytes.analyte.2.concentration:
 0.15 0.16 0.17 0.18 NA's
 29 92 87 52 1

patient.samples.sample.portions.portion.analytes.analyte.2.gel_image_file:
<https://sharedoc.nchri.org/tcga-bcr/default.aspx>
 260
 NA's
 1

patient.samples.sample.portions.portion.analytes.analyte.2.is_derived_from_ffpe:
 no NA's
 260 1

patient.samples.sample.portions.portion.analytes.analyte.2.protocols.protocol.ex
 mirvana (allprep dna) rna NA's
 260 1

patient.samples.sample.portions.portion.analytes.analyte.2.rna.ratio_28s_18s:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 0.660 1.255 1.470 2.089 1.683 162.000 1

patient.samples.sample.portions.portion.analytes.analyte.2.rna.rinvalue:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 7.000 7.800 8.500 8.437 9.100 10.000 1

patient.samples.sample.portions.portion.analytes.analyte.2.spectrophotometer_met
 uv spec NA's
 260 1

patient.samples.sample.portions.portion.analytes.analyte.2.subportion_sequence:
 1 2 3 NA's
 214 40 3 4

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.bios
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 122972354 149446216 164081764 156000281 167803891 167804697 21

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.cent
 9 NA's
 240 21

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.conc
 0.5 NA's
 240 21

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.day_
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 8.00 8.00 11.00 15.49 24.00 29.00 21

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.is_d
 no NA's
 240 21

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.mont
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 1.000 5.000 7.000 5.625 7.000 7.000 21

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.plat
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 1.000 2.000 4.000 4.671 6.000 11.000 21

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.quant
 40 NA's
 240 21

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.sour
 23 NA's
 240 21

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.vol
 80 NA's
 240 21

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.year
 2012 2013 2014 NA's
 29 80 131 21

patient.samples.sample.portions.portion.analytes.analyte.3.analyte_type:
 repli-g (qiagen) dna NA's
 240 21

patient.samples.sample.portions.portion.analytes.analyte.3.analyte_type_id:

w NA's
240 21

patient.samples.sample.portions.portion.analytes.analyte.3.dna.normal_tumor_genom
yes NA's
240 21

patient.samples.sample.portions.portion.analytes.analyte.3.dna.pcr_amplification
yes NA's
240 21

patient.samples.sample.portions.portion.analytes.analyte.3.gel_image_file:
<https://sharedoc.nchri.org/tcga-bcr/default.aspx>
240
NA's
21

patient.samples.sample.portions.portion.analytes.analyte.3.is_derived_from_ffpe:
no NA's
240 21

patient.samples.sample.portions.portion.analytes.analyte.3.protocols.protocol.ex
repli-g NA's
240 21

patient.samples.sample.portions.portion.analytes.analyte.3.subportion_sequence:
1 2 3 NA's
199 35 3 24

patient.samples.sample.portions.portion.analytes.analyte.a260_a280_ratio:
1.82 1.84 1.93 1.95 NA's
1 1 1 1 257

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.2.bios
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
118966245 132270781 153881046 150891953 164056120 174190644 1

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.2.cent
9 NA's
260 1

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.2.conc
0.07 0.08 0.09 NA's
74 169 17 1

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.2.day_
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
5.00 16.00 26.00 22.15 28.00 30.00 1

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.2.is_d
no NA's
260 1

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.2.mont
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
1.000 3.000 4.000 5.281 6.000 12.000 1

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.2.plat
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
1.000 3.000 5.000 4.827 7.000 11.000 1

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.2.quant
2.8 3.2 3.6 NA's
74 169 17 1

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.2.sour
23 NA's
260 1

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.2.vol
40 NA's
260 1

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.2.year
2012 2013 2014 NA's
52 97 111 1

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.3.bios
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
118956950 132269141 160339810 149637301 164055450 174190388 1

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.3.cent
5 26 NA's
240 20 1

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.3.conc
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
0.1400 0.1500 0.1600 0.1555 0.1600 0.1800 1

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.3.day_
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
5.00 16.00 26.00 22.15 28.00 30.00 1

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.3.is_d
no NA's
260 1

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.3.mont
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 1.000 3.000 4.000 5.281 6.000 12.000 1

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.3.plat
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 1.000 3.000 5.000 4.827 7.000 11.000 1

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.3.quant
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 1.500 1.950 1.950 1.985 2.080 2.340 1

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.3.sour
 23 NA's
 260 1

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.3.vol
 10 13 NA's
 20 240 1

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.3.year
 2012 2013 2014 NA's
 52 97 111 1

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.4.bios
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 122970432 128925360 145633068 140880690 150705835 167789194 139

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.4.cent
 1 5 26 NA's
 2 20 100 139

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.4.conc
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 0.1400 0.1500 0.1600 0.1564 0.1600 0.1800 139

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.4.day_
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 5.00 12.00 25.00 20.27 28.00 30.00 139

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.4.is_d
 no NA's
 122 139

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.4.mont
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 1.000 3.000 5.000 5.861 9.000 12.000 139

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.4.plat
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 1.000 1.250 3.000 3.279 5.000 8.000 139

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.4.quan
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 1.010 1.500 1.600 1.634 1.675 2.210 139

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.4.sour
 23 NA's
 122 139

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.4.vol
 6.7 10 13 NA's
 2 100 20 139

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.4.year
 2012 2013 2014 NA's
 40 70 12 139

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.5.bcr_
 tcga-dx-a7er-01a-11d-a40c-01 NA's
 1 260

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.5.bcr_
 2ebdcb6a-a3bf-41c0-9217-d95e17969fbf NA's
 1 260

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.5.bios
 167787827 NA's
 1 260

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.5.cent
 1 NA's
 1 260

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.5.conc
 0.16 NA's
 1 260

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.5.day_
 14 NA's
 1 260

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.5.is_d
 no NA's
 1 260

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.5.mont

5 NA's
 1 260

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.5.plat
 2 NA's
 1 260

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.5.plat
 a40c NA's
 1 260

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.5.plat
 b NA's
 1 260

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.5.quant
 1.07 NA's
 1 260

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.5.sour
 23 NA's
 1 260

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.5.vol
 6.7 NA's
 1 260

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.5.year
 2014 NA's
 1 260

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.biospe

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
118961093	132270769	153889398	150894292	164056116	174189497	1

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.center
 1 NA's
 260 1

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.concen

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0.1400	0.1500	0.1600	0.1555	0.1600	0.1800	1

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.day_of

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
5.00	12.00	26.00	21.74	28.00	30.00	1

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.is_der
 no NA's
 260 1

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.month_

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1.000	2.000	4.000	4.731	6.000	12.000	1

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.plate_

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1.000	3.000	5.000	4.827	7.000	11.000	1

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.quantit

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0.940	1.010	1.070	1.043	1.070	1.210	1

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.source

23 NA's	
260	1

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.volume

6.7 NA's	
260	1

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.year_o

2012	2013	2014	NA's
52	84	124	1

patient.samples.sample.portions.portion.analytes.analyte.amount:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
6.36	15.67	23.84	26.77	36.84	66.93	1

patient.samples.sample.portions.portion.analytes.analyte.analyte_type:

dna NA's	
260	1

patient.samples.sample.portions.portion.analytes.analyte.analyte_type_id:

d NA's	
260	1

patient.samples.sample.portions.portion.analytes.analyte.concentration:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0.1400	0.1500	0.1600	0.1555	0.1600	0.1800	1

patient.samples.sample.portions.portion.analytes.analyte.dna.normal_tumor_genoty

yes NA's	
260	1

patient.samples.sample.portions.portion.analytes.analyte.dna.pcr_amplification_s

yes NA's	
260	1

```

patient.samples.sample.portions.portion.analytes.analyte.gel_image_file:
https://sharedoc.nchri.org/tcga-bcr/default.aspx
                260
                NA's
                1

```

```

patient.samples.sample.portions.portion.analytes.analyte.is_derived_from_ffpe:
no NA's
260    1

```

```

patient.samples.sample.portions.portion.analytes.analyte.protocols.protocol.exp
adna preparation type                    NA's
                260                    1

```

```

patient.samples.sample.portions.portion.analytes.analyte.spectrophotometer_metho
picogreen  uv spec      NA's
                256            4            1

```

```

patient.samples.sample.portions.portion.analytes.analyte.subportion_sequence:
  1    2    3 NA's
214  40   3   4

```

```

patient.samples.sample.portions.portion.day_of_creation:
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.    NA's
  1.00   7.75   13.00   14.28  21.00   31.00     1

```

```

patient.samples.sample.portions.portion.is_ffpe:
no NA's
260    1

```

```

patient.samples.sample.portions.portion.month_of_creation:
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.    NA's
  1.000   3.000   4.000   5.515   9.000  12.000     1

```

```

patient.samples.sample.portions.portion.portion_number:
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.    NA's
  1.00   11.00   11.00   12.59   11.00   42.00     1

```

```

patient.samples.sample.portions.portion.portion_sequence:
  1    2    3    4 NA's
166  16   8    1  70

```

```

patient.samples.sample.portions.portion.slides.slide.is_derived_from_ffpe:
no NA's
260    1

```

patient.samples.sample.portions.portion.slides.slide.percent_lymphocyte_infiltration:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 0.0000 0.0000 1.0000 0.9346 2.0000 8.0000 1

patient.samples.sample.portions.portion.slides.slide.percent_monocyte_infiltration:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 0.0000 0.0000 0.0000 0.2577 0.0000 5.0000 1

patient.samples.sample.portions.portion.slides.slide.percent_necrosis:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 0.0000 0.0000 0.0000 0.7885 0.0000 20.0000 1

patient.samples.sample.portions.portion.slides.slide.percent_neutrophil_infiltration:
 0 1 2 3 NA's
 230 17 10 3 1

patient.samples.sample.portions.portion.slides.slide.percent_normal_cells:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 0.0000 0.0000 0.0000 0.4192 0.0000 45.0000 1

patient.samples.sample.portions.portion.slides.slide.percent_stromal_cells:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 0.000 0.000 2.000 8.731 15.000 65.000 1

patient.samples.sample.portions.portion.slides.slide.percent_tumor_cells:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 25.00 85.00 95.00 90.02 100.00 100.00 1

patient.samples.sample.portions.portion.slides.slide.percent_tumor_nuclei:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 60.00 80.00 89.00 87.37 95.00 100.00 1

patient.samples.sample.portions.portion.slides.slide.section_location:
 top NA's
 260 1

patient.samples.sample.portions.portion.weight:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 10.00 30.00 30.00 29.77 30.00 80.00 1

patient.samples.sample.portions.portion.year_of_creation:
 2011 2012 2013 2014 NA's
 24 55 117 64 1

patient.samples.sample.portions.shipment_portion.center_id:
 20 NA's
 223 38

patient.samples.sample.portions.shipment_portion.is_ffpe:
 no NA's
 223 38

```
patient.samples.sample.portions.shipment_portion.plate_id:
a454 a455 a456 NA's
  81   78   64   38
```

```
patient.samples.sample.portions.shipment_portion.portion_number:
  Min. 1st Qu.  Median    Mean 3rd Qu.  Max.  NA's
 11.00  21.00  21.00  22.84  21.00  51.00   38
```

```
patient.samples.sample.portions.shipment_portion.portion_sequence:
  Min. 1st Qu.  Median    Mean 3rd Qu.  Max.  NA's
 1.000  2.000  2.000  2.025  2.000  5.000  104
```

```
patient.samples.sample.portions.shipment_portion.shipment_portion_day_of_shipment:
  9 NA's
 223   38
```

```
patient.samples.sample.portions.shipment_portion.shipment_portion_month_of_shipment:
  7 NA's
 223   38
```

```
patient.samples.sample.portions.shipment_portion.shipment_portion_year_of_shipment:
2014 NA's
 223   38
```

```
patient.samples.sample.sample_type:
primary tumor
          261
```

```
patient.samples.sample.sample_type_id:
  1
 261
```

```
patient.samples.sample.vial_number:
  a
 261
```

 SKCM

Skin Cutaneous Melanoma

Description

A document describing the TCGA cancer code

Details

```
> experiments( SKCM )
ExperimentList class object of length 8:
 [1] CNASeq-20160128: RaggedExperiment with 31416 rows and 238 columns
```



```
[2] CNASNP-20160128: RaggedExperiment with 452114 rows and 938 columns
[3] CNVSNP-20160128: RaggedExperiment with 108084 rows and 937 columns
[4] Methylation-20160128: SummarizedExperiment with 485577 rows and 475 columns
[5] miRNASeqGene-20160128: SummarizedExperiment with 1046 rows and 452 columns
[6] Mutation-20160128: RaggedExperiment with 290322 rows and 345 columns
[7] RNASeq2GeneNorm-20160128: SummarizedExperiment with 20501 rows and 473 columns
[8] RPPAArray-20160128: SummarizedExperiment with 208 rows and 355 columns
```

```
> rownames( SKCM )
```

```
CharacterList of length 8
```

```
["CNASeq-20160128"] character(0)
["CNASNP-20160128"] character(0)
["CNVSNP-20160128"] character(0)
["Methylation-20160128"] cg00000029 cg00000108 ... rs966367 rs9839873
["miRNASeqGene-20160128"] hsa-let-7a-1 hsa-let-7a-2 ... hsa-mir-99b
["Mutation-20160128"] character(0)
["RNASeq2GeneNorm-20160128"] A1BG A1CF A2BP1 A2LD1 ... ZZZ3 psiTPTE22 tAKR
["RPPAArray-20160128"] 14-3-3_beta 14-3-3_epsilon ... p90RSK_pT359_S363
```

```
> colnames( SKCM )
```

```
CharacterList of length 8
```

```
["CNASeq-20160128"] TCGA-BF-A1PU-01A-11D-A18Z-02 ...
["CNASNP-20160128"] TCGA-3N-A9WB-06A-11D-A38F-01 ...
["CNVSNP-20160128"] TCGA-3N-A9WB-06A-11D-A38F-01 ...
["Methylation-20160128"] TCGA-3N-A9WB-06A-11D-A38H-05 ...
["miRNASeqGene-20160128"] TCGA-3N-A9WC-06A-11R-A38N-13 ...
["Mutation-20160128"] TCGA-BF-A1PU-01A-11D-A19A-08 ...
["RNASeq2GeneNorm-20160128"] TCGA-3N-A9WB-06A-11R-A38C-07 ...
["RPPAArray-20160128"] TCGA-3N-A9WC-06A-21-A444-20 ...
```

```
Sizes of each ExperimentList element:
```

	assay	size.Mb
1	CNASeq-20160128	0.9 Mb
2	CNASNP-20160128	12.3 Mb
3	CNVSNP-20160128	3.1 Mb
4	Methylation-20160128	67.5 Mb
5	miRNASeqGene-20160128	0.1 Mb
6	Mutation-20160128	290.6 Mb
7	RNASeq2GeneNorm-20160128	1.2 Mb
8	RPPAArray-20160128	0 Mb

```
-----
Overall survival time-to-event summary (in years):
-----
```

```
Call: survfit(formula = survival::Surv(colDat$days_to_death/365, colDat$vital_status - 1)
```

```
249 observations deleted due to missingness
      n events median 0.95LCL 0.95UCL
221.00 221.00   2.99   2.40   3.90
```

 Available sample meta-data:

years_to_birth:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
15.00	48.00	58.00	58.24	71.00	90.00	8

vital_status:

0	1
247	223

days_to_death:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
79	518	1093	1789	2073	10870	249

days_to_last_followup:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
-2.0	477.5	1146.0	1885.3	2658.8	11252.0	230

days_to_submitted_specimen_dx:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
-2	0	344	1017	1372	10847	14

melanoma_ulceration:

no	yes	NA's
146	167	157

melanoma_primary_known:

no	yes
47	423

Breslow_thickness:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0.000	1.300	3.000	5.585	6.950	75.000	111

gender:

female	male
180	290

date_of_initial_pathologic_diagnosis:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1978	2003	2008	2006	2011	2013	11

radiation_therapy:

no yes NA's
420 49 1

race:

asian black or african american
12 1
NA's
10

white
447

ethnicity:

hispanic or latino not hispanic or latino
11 446

NA's
13

admin.bcr:

nationwide children's hospital
470

admin.day_of_dcc_upload:

21
470

admin.disease_code:

skcm
470

admin.month_of_dcc_upload:

1
470

admin.patient_withdrawal.withdrawn:

false
470

admin.project_code:

tcga
470

admin.year_of_dcc_upload:

2016
470

patient.age_at_initial_pathologic_diagnosis:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
15.00	48.00	58.00	58.22	71.00	90.00	8

patient.breslow_depth_value:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0.000	1.300	3.000	5.585	6.950	75.000	111

patient.day_of_form_completion:

	Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	
	1.00	10.00	13.00	14.26	20.00	31.00	
patient.days_to_birth:							
	Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
	-32873	-26058	-21480	-21454	-17636	-5684	8
patient.days_to_death:							
	Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
	79	604	1101	1840	2190	10870	316
patient.days_to_initial_pathologic_diagnosis:							
	0	NA's					
	462	8					
patient.days_to_last_followup:							
	Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
	-6.0	28.5	595.0	1416.7	1982.0	10860.0	163
patient.days_to_submitted_specimen_dx:							
	Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
	-2	0	344	1017	1372	10847	14
patient.drugs.drug.2.clinical_trail_drug_classification:							
	mage a3 vaccine					mek inhibitor	
				3			1
melanoma-derived helper peptides						vaccine	
				1			3
				NA's			
				462			
patient.drugs.drug.2.day_of_form_completion:							
	Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
	1.00	10.00	17.00	15.95	22.00	30.00	413
patient.drugs.drug.2.days_to_drug_therapy_end:							
	Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
	52.0	268.5	1006.0	1473.4	1766.0	6814.0	423
patient.drugs.drug.2.days_to_drug_therapy_start:							
	Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
	13	151	828	1312	1665	6660	414
patient.drugs.drug.2.measure_of_response:							
clinical progressive disease						complete response	
				22			12
partial response						stable disease	
				5			1

NA's
430

patient.drugs.drug.2.month_of_form_completion:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 1.000 4.000 6.000 6.298 10.000 12.000 413

patient.drugs.drug.2.number_cycles:
 1 2 NA's
 1 2 467

patient.drugs.drug.2.prescribed_dose:
 1 NA's
 1 469

patient.drugs.drug.2.prescribed_dose_units:
 g/day NA's
 1 469

patient.drugs.drug.2.regimen_indication:
 adjuvant progression NA's
 1 3 466

patient.drugs.drug.2.regimen_number:
 10-095 6 NA's
 2 1 467

patient.drugs.drug.2.route_of_administrations.route_of_administration:
 iv NA's
 1 469

patient.drugs.drug.2.therapy_ongoing:
 no yes NA's
 52 5 413

patient.drugs.drug.2.tx_on_clinical_trial:
 no yes NA's
 36 17 417

patient.drugs.drug.2.year_of_form_completion:
 2012 2013 2014 2015 NA's
 10 16 28 3 413

patient.drugs.drug.3.day_of_form_completion:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 1.00 8.25 12.50 14.43 20.75 30.00 440

patient.drugs.drug.3.days_to_drug_therapy_end:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
92	280	1034	1277	1687	6440	449

patient.drugs.drug.3.days_to_drug_therapy_start:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
20	247	889	1055	1492	6355	441

patient.drugs.drug.3.measure_of_response:

clinical progressive disease	complete response
11	7
partial response	stable disease
1	2
NA's	
449	

patient.drugs.drug.3.month_of_form_completion:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1.000	4.250	6.500	6.333	7.750	12.000	440

patient.drugs.drug.3.prescribed_dose:

480 NA's
1 469

patient.drugs.drug.3.prescribed_dose_units:

mg NA's
1 469

patient.drugs.drug.3.regimen_indication:

progression	NA's
2	468

patient.drugs.drug.3.therapy_ongoing:

no	yes	NA's
24	6	440

patient.drugs.drug.3.tx_on_clinical_trial:

no	yes	NA's
20	8	442

patient.drugs.drug.3.year_of_form_completion:

2012	2013	2014	NA's
5	7	18	440

patient.drugs.drug.4.clinical_trial_drug_classification:

braf and mek inhibitor	chemotherapy	dendritic cell therapy
1	1	1
NA's		
467		

```

patient.drugs.drug.4.day_of_form_completion:
  Min. 1st Qu.  Median    Mean 3rd Qu.  Max.   NA's
  4.00   9.00  14.50   15.06  23.75  26.00  452

patient.drugs.drug.4.days_to_drug_therapy_end:
  Min. 1st Qu.  Median    Mean 3rd Qu.  Max.   NA's
   92   579   645   1048   1603   2413  457

patient.drugs.drug.4.days_to_drug_therapy_start:
  Min. 1st Qu.  Median    Mean 3rd Qu.  Max.   NA's
   23   525   772   1118   1644   3105  453

patient.drugs.drug.4.measure_of_response:
clinical progressive disease          complete response
                                10                                3
                                partial response                    NA's
                                1                                456

patient.drugs.drug.4.month_of_form_completion:
  Min. 1st Qu.  Median    Mean 3rd Qu.  Max.   NA's
  1.000  3.500  6.000  5.667  7.000  11.000  452

patient.drugs.drug.4.therapy_ongoing:
  no  yes NA's
  16  2  452

patient.drugs.drug.4.therapy_types.therapy_type:
                                ancillary          chemotherapy
                                2                    7
                                immunotherapy targeted molecular therapy
                                7                    2
                                NA's
                                452

patient.drugs.drug.4.tx_on_clinical_trial:
  no  yes NA's
  12  6  452

patient.drugs.drug.4.year_of_form_completion:
2012 2013 2014 2015 NA's
  1    5    9    3  452

patient.drugs.drug.5.day_of_form_completion:
  Min. 1st Qu.  Median    Mean 3rd Qu.  Max.   NA's
  6.00  14.50  15.00  16.43  18.50  28.00  463

patient.drugs.drug.5.days_to_drug_therapy_end:
  Min. 1st Qu.  Median    Mean 3rd Qu.  Max.   NA's

```

157	559	1249	1229	1767	2413	465
-----	-----	------	------	------	------	-----

patient.drugs.drug.5.days_to_drug_therapy_start:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
23.0	846.5	1644.0	1389.9	1998.5	2372.0	463

patient.drugs.drug.5.measure_of_response:

clinical progressive disease	complete response	partial response	NA's
4	1		
		1	464

patient.drugs.drug.5.month_of_form_completion:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
2.000	5.000	7.000	7.286	10.000	12.000	463

patient.drugs.drug.5.therapy_ongoing:

no NA's	NA's
7	463

patient.drugs.drug.5.therapy_types.therapy_type:

chemotherapy	immunotherapy	targeted molecular therapy	NA's
3	2		
		2	463

patient.drugs.drug.5.tx_on_clinical_trial:

no	yes	NA's
6	1	463

patient.drugs.drug.5.year_of_form_completion:

2013	2014	NA's
2	5	463

patient.drugs.drug.6.bcr_drug_barcode:

tcga-eb-a24c-d40315	tcga-eb-a57m-d49923	tcga-w3-a825-d59259	tcga-w3-aa1q-d61974
1	1	1	1
NA's			
466			

patient.drugs.drug.6.bcr_drug_uuid:

1847d54c-5c9f-426c-9678-31ced121e3b8	265c2eea-fa05-462a-9598-af6c79f5dea4	839fdc5d-5d0e-453f-b8b8-3300cc5a1885	a0f6e18a-b10b-4902-89aa-bf9808530488
1	1	1	1
NA's			
466			

patient.drugs.drug.6.clinical_trail_drug_classification:

vaccine	NA's
1	469

patient.drugs.drug.6.day_of_form_completion:

6 14 15 17 NA's
1 1 1 1 466

patient.drugs.drug.6.days_to_drug_therapy_end:

157 559 1767 NA's
1 1 1 467

patient.drugs.drug.6.days_to_drug_therapy_start:

23 505 913 1644 NA's
1 1 1 1 466

patient.drugs.drug.6.drug_name:

dacarbazine erythropoietin interferon-alpha2 NA's
1 1 1 467

patient.drugs.drug.6.measure_of_response:

clinical progressive disease complete response
1 1
partial response NA's
1 467

patient.drugs.drug.6.month_of_form_completion:

2 5 7 10 NA's
1 1 1 1 466

patient.drugs.drug.6.therapy_ongoing:

no NA's
4 466

patient.drugs.drug.6.therapy_types.therapy_type:

ancillary chemotherapy immunotherapy vaccine NA's
1 1 1 1 466

patient.drugs.drug.6.tx_on_clinical_trial:

no yes NA's
3 1 466

patient.drugs.drug.6.year_of_form_completion:

2013 2014 NA's
2 2 466

patient.drugs.drug.7.bcr_drug_barcode:

tcga-eb-a24c-d40316 tcga-eb-a57m-d49924 NA's
1 1 468

patient.drugs.drug.7.bcr_drug_uuid:

294c8564-de5c-4fc3-9fee-ef9988c95177 eb700b3f-b6e9-43d5-87d0-fa0310f6d5fa
1 1
NA's
468

patient.drugs.drug.7.day_of_form_completion:

14 15 NA's
1 1 468

patient.drugs.drug.7.days_to_drug_therapy_end:

157 517 NA's
1 1 468

patient.drugs.drug.7.days_to_drug_therapy_start:

23 505 NA's
1 1 468

patient.drugs.drug.7.drug_name:

ciclosporin cisplatin NA's
1 1 468

patient.drugs.drug.7.measure_of_response:

complete response NA's
1 469

patient.drugs.drug.7.month_of_form_completion:

2 10 NA's
1 1 468

patient.drugs.drug.7.therapy_ongoing:

no NA's
2 468

patient.drugs.drug.7.therapy_types.therapy_type:

chemotherapy immunotherapy NA's
1 1 468

patient.drugs.drug.7.tx_on_clinical_trial:

no NA's
2 468

patient.drugs.drug.7.year_of_form_completion:

2013 NA's
2 468

patient.drugs.drug.8.bcr_drug_barcode:

tcga-eb-a57m-d49925 NA's
1 469

patient.drugs.drug.8.bcr_drug_uuid:

b420b3bf-54c1-41a1-b89b-ccd03d217bcb NA's
1 469

patient.drugs.drug.8.day_of_form_completion:

14 NA's
1 469

patient.drugs.drug.8.days_to_drug_therapy_end:
 157 NA's
 1 469

patient.drugs.drug.8.days_to_drug_therapy_start:
 23 NA's
 1 469

patient.drugs.drug.8.drug_name:
 renamin NA's
 1 469

patient.drugs.drug.8.measure_of_response:
 complete response NA's
 1 469

patient.drugs.drug.8.month_of_form_completion:
 10 NA's
 1 469

patient.drugs.drug.8.therapy_ongoing:
 no NA's
 1 469

patient.drugs.drug.8.therapy_types.therapy_type:
 ancillary NA's
 1 469

patient.drugs.drug.8.tx_on_clinical_trial:
 no NA's
 1 469

patient.drugs.drug.8.year_of_form_completion:
 2013 NA's
 1 469

patient.drugs.drug.day_of_form_completion:							NA's
Min.	1st Qu.	Median	Mean	3rd Qu.	Max.		
1.00	10.00	14.50	15.28	20.00	31.00		324

patient.drugs.drug.days_to_drug_therapy_end:							NA's
Min.	1st Qu.	Median	Mean	3rd Qu.	Max.		
24	321	702	1241	1634	6869		356

patient.drugs.drug.days_to_drug_therapy_start:							NA's
Min.	1st Qu.	Median	Mean	3rd Qu.	Max.		
6	140	578	1167	1485	11015		329

patient.drugs.drug.measure_of_response:

clinical progressive disease	46	complete response	27
partial response	10	stable disease	5
NA's	382		

patient.drugs.drug.month_of_form_completion:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1.000	4.000	7.000	7.014	10.000	12.000	324

patient.drugs.drug.number_cycles:

1	2	4	NA's
2	3	3	462

patient.drugs.drug.prescribed_dose:

1	20	400	NA's
1	1	2	466

patient.drugs.drug.prescribed_dose_units:

mg	mg/day	mg/kg	NA's
1	1	1	467

patient.drugs.drug.regimen_indication:

adjuvant other, specify in notes	7	1	progression	8
recurrence	3	NA's		
		451		

patient.drugs.drug.route_of_administrations.route_of_administration:

iv	po	sc	NA's
7	1	1	461

patient.drugs.drug.route_of_administrations.route_of_administration.2:

sc	NA's
1	469

patient.drugs.drug.therapy_ongoing:

no	yes	NA's
125	21	324

patient.drugs.drug.therapy_types.therapy_type_notes:

isolated limb perfusion (ilp)	1	NA's	469
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patient.drugs.drug.tx_on_clinical_trial:

no	yes	NA's
83	43	344

patient.drugs.drug.year_of_form_completion:

2012	2013	2014	2015	NA's
39	47	57	3	324

patient.ethnicity:

hispanic or latino	not hispanic or latino	NA's
11	446	13

patient.follow_ups.follow_up.2.day_of_form_completion:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
4.00	9.00	20.00	17.93	24.75	30.00	416

patient.follow_ups.follow_up.2.days_to_death:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
472	620	721	1378	1235	5370	461

patient.follow_ups.follow_up.2.days_to_last_followup:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
111.0	832.8	1510.5	2198.9	2987.2	6826.0	428

patient.follow_ups.follow_up.2.lost_follow_up:

no	yes	NA's
50	4	416

patient.follow_ups.follow_up.2.month_of_form_completion:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1.000	3.000	3.000	5.204	9.000	12.000	416

patient.follow_ups.follow_up.2.new_tumor_events.new_tumor_event.2.additional_ph

no	NA's
1	469

patient.follow_ups.follow_up.2.new_tumor_events.new_tumor_event.2.additional_rad

no	NA's
1	469

patient.follow_ups.follow_up.2.new_tumor_events.new_tumor_event.2.days_to_new_tu

5286	NA's
1	469

patient.follow_ups.follow_up.2.new_tumor_events.new_tumor_event.2.days_to_new_tu

5276	NA's
1	469

patient.follow_ups.follow_up.2.new_tumor_events.new_tumor_event.2.new_neoplasm_e

extremities	NA's
1	469

patient.follow_ups.follow_up.2.new_tumor_events.new_tumor_event.2.new_non_melano

```

bcc NA's
  1  469

patient.follow_ups.follow_up.2.new_tumor_events.new_tumor_event.2.new_tumor_event
yes NA's
  1  469

patient.follow_ups.follow_up.2.new_tumor_events.new_tumor_event.additional_pharm
no NA's
  5  465

patient.follow_ups.follow_up.2.new_tumor_events.new_tumor_event.additional_radia
no yes NA's
  4   1  465

patient.follow_ups.follow_up.2.new_tumor_events.new_tumor_event.days_to_new_tumo
1697 3515 5286 NA's
  1   1   1  467

patient.follow_ups.follow_up.2.new_tumor_events.new_tumor_event.days_to_new_tumo
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.   NA's
    599    852   1689   2480   3488   5305   461

patient.follow_ups.follow_up.2.new_tumor_events.new_tumor_event.new_neoplasm_eve
extremities          NA's
          1          469

patient.follow_ups.follow_up.2.new_tumor_events.new_tumor_event.new_neoplasm_eve
  distant metastasis locoregional recurrence    regional lymph node
                4                1                2
                NA's
                463

patient.follow_ups.follow_up.2.new_tumor_events.new_tumor_event.new_non_melanoma
scc NA's
  1  469

patient.follow_ups.follow_up.2.new_tumor_events.new_tumor_event.new_tumor_event_
no yes NA's
  1   3  466

patient.follow_ups.follow_up.2.new_tumor_events.new_tumor_event.new_tumor_metast
  brain other, specify          NA's
          4          1          465

patient.follow_ups.follow_up.2.new_tumor_events.new_tumor_event.new_tumor_metast
subcutaneous skin chest wall          NA's
                1                469

patient.follow_ups.follow_up.2.new_tumor_events.new_tumor_event_after_initial_tr
no yes NA's
  41   8  421

```

```
patient.follow_ups.follow_up.2.person_neoplasm_cancer_status:
tumor free with tumor      NA's
      34          15          421
```

```
patient.follow_ups.follow_up.2.postoperative_rx_tx:
no  yes NA's
45  6  419
```

```
patient.follow_ups.follow_up.2.radiation_therapy:
no  yes NA's
47  5  418
```

```
patient.follow_ups.follow_up.2.subsequent_primary_melanoma_during_followup:
no NA's
35  435
```

```
patient.follow_ups.follow_up.2.vital_status:
alive dead NA's
42     9  419
```

```
patient.follow_ups.follow_up.2.year_of_form_completion:
2013 2014 2015 NA's
  1   18   35  416
```

```
patient.follow_ups.follow_up.3.day_of_form_completion:
  7   12   20   26 NA's
  1    2   10    1  456
```

```
patient.follow_ups.follow_up.3.days_to_death:
1032 6873 NA's
  1    1  468
```

```
patient.follow_ups.follow_up.3.days_to_last_followup:
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.    NA's
   765   1076   2036   2325   2659   6311   458
```

```
patient.follow_ups.follow_up.3.lost_follow_up:
no NA's
14  456
```

```
patient.follow_ups.follow_up.3.month_of_form_completion:
  3    5 NA's
11    3  456
```

```
patient.follow_ups.follow_up.3.new_tumor_events.new_tumor_event.days_to_new_tumor:
6841 NA's
  1  469
```

```
patient.follow_ups.follow_up.3.new_tumor_events.new_tumor_event.new_neoplasm_event:
```

distant metastasis		NA's
1		469

patient.follow_ups.follow_up.3.new_tumor_events.new_tumor_event.new_tumor_metastasis
lung NA's

1		469
---	--	-----

patient.follow_ups.follow_up.3.new_tumor_events.new_tumor_event_after_initial_treatment
no yes NA's

13	1	456
----	---	-----

patient.follow_ups.follow_up.3.person_neoplasm_cancer_status:
tumor free with tumor NA's

10	4	456
----	---	-----

patient.follow_ups.follow_up.3.postoperative_rx_tx:
no NA's

14		456
----	--	-----

patient.follow_ups.follow_up.3.radiation_therapy:
no NA's

14		456
----	--	-----

patient.follow_ups.follow_up.3.subsequent_primary_melanoma_during_followup:
no NA's

1		469
---	--	-----

patient.follow_ups.follow_up.3.vital_status:
alive dead NA's

12	2	456
----	---	-----

patient.follow_ups.follow_up.3.year_of_form_completion:
2015 NA's

14		456
----	--	-----

patient.follow_ups.follow_up.day_of_form_completion:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1.00	11.00	21.00	18.98	27.00	31.00	149

patient.follow_ups.follow_up.days_to_death:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
190.0	368.5	1093.0	1554.4	2004.5	10346.0	407

patient.follow_ups.follow_up.days_to_last_followup:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
6.0	441.8	922.0	1772.1	2366.5	11252.0	244

patient.follow_ups.follow_up.followup_case_report_form_submission_reason:
scheduled follow-up submission NA's

6		464
---	--	-----

patient.follow_ups.follow_up.lost_follow_up:
 no yes NA's
 267 48 155

patient.follow_ups.follow_up.month_of_form_completion:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 1.000 3.000 8.000 7.103 11.000 12.000 149

patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.10.additional_pharm
 no NA's
 1 469

patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.10.additional_radi
 no NA's
 1 469

patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.10.days_to_new_tum
 2367 NA's
 1 469

patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.10.new_neoplasm_ev
 distant metastasis NA's
 1 469

patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.10.new_tumor_event
 no NA's
 1 469

patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.10.new_tumor metas
 other, specify NA's
 1 469

patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.10.new_tumor metas
 ln left pelvic NA's
 1 469

patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.2.additional_pharm
 no yes NA's
 13 19 438

patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.2.additional_radi
 no yes NA's
 31 2 437

patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.2.days_to_new_tum
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 339.0 498.8 858.5 2062.4 1743.5 11007.0 460

patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.2.days_to_new_tum
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 24 482 1313 2039 2414 10990 434

patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.2.new_neoplasm_event
 other, specify NA's
 2 468

patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.2.new_neoplasm_event
 distant metastasis locoregional recurrence regional lymph node
 27 5 3
 NA's
 435

patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.2.new_non_melanoma
 adenocarcinoma adenocarcinoma pancreas NA's
 1 1 468

patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.2.new_tumor_event
 no yes NA's
 26 9 435

patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.3.additional_pharm
 no yes NA's
 10 10 450

patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.3.additional_radia
 no yes NA's
 19 1 450

patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.3.days_to_new_tumo
 1328 1965 3896 11007 NA's
 1 1 1 1 466

patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.3.days_to_new_tumo
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 126 576 1729 2613 3070 10990 450

patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.3.new_neoplasm_eve
 distant metastasis locoregional recurrence regional lymph node
 16 2 2
 NA's
 450

patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.3.new_tumor_event
 no yes NA's
 16 4 450

patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.3.new_tumor_metast
 bone liver lung other, specify NA's
 5 2 2 7 454

patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.4.additional_pharm
 no yes NA's
 6 7 457

patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.4.additional_radia
 no yes NA's
 12 1 457

patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.4.days_to_new_tumo
 6218 10916 NA's
 1 1 468

patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.4.days_to_new_tumo
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 126 1463 2315 3032 3121 10916 457

patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.4.new_neoplasm_eve
 distant metastasis regional lymph node NA's
 12 1 457

patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.4.new_tumor_event_
 no yes NA's
 11 2 457

patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.4.new_tumor_metast
 brain liver lung other, specify NA's
 1 1 3 7 458

patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.5.additional_pharm
 no yes NA's
 4 7 459

patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.5.additional_radia
 no NA's
 11 459

patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.5.days_to_new_tumo
 771 1828 2085 6218 NA's
 1 1 1 1 466

patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.5.days_to_new_tumo
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 126 1630 2072 3149 3585 11006 459

patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.5.new_neoplasm_eve
 distant metastasis locoregional recurrence NA's
 10 1 459

patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.5.new_tumor_event_
 no yes NA's
 7 4 459

patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.6.additional_pharm
 no yes NA's
 3 5 462

patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.6.additional_radia
 no yes NA's
 7 1 462

patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.6.days_to_new_tumo
 1800 2253 6253 NA's
 1 1 1 467

patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.6.days_to_new_tumo
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 648 1751 2310 3747 4599 11006 462

patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.6.new_neoplasm_eve
 distant metastasis locoregional recurrence NA's
 7 1 462

patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.6.new_tumor_event_
 no yes NA's
 5 3 462

patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.6.new_tumor_metast
 brain liver other, specify NA's
 2 2 3 463

patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.6.new_tumor_metast
 left parotid tumour left upper arm skin and soft tissue
 1 1
 spleen NA's
 1 467

patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.7.additional_pharm
 no yes NA's
 2 2 466

patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.7.additional_radia
 no yes NA's
 4 1 465

patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.7.days_to_new_tumo
 2408 NA's
 1 469

patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.7.days_to_new_tumo
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 1574 2367 2408 4725 6271 11006 465

patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.7.new_neoplasm_event
distant metastasis NA's
5 465

patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.7.new_tumor_event_7
no yes NA's
4 1 465

patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.7.new_tumor_metastasis
brain other, specify NA's
2 3 465

patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.7.new_tumor_metastasis
left anterior chest - skin and soft tissue 1
left occipito-parietal scalp - skin and soft tissue 1
upper abdomen subcutaneous deposits 1
NA's
467

patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.8.additional_pharmaceuticals
no NA's
2 468

patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.8.additional_radiation
no NA's
3 467

patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.8.days_to_new_tumor_event_8
2455 6505 NA's
1 1 468

patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.8.days_to_new_tumor_event_8
2367 2455 6505 NA's
1 1 1 467

patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.8.new_neoplasm_event
distant metastasis NA's
3 467

patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.8.new_tumor_event_8
no yes NA's
1 2 467

patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.8.new_tumor_metastasis
brain other, specify NA's
1 2 467

patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.8.new_tumor_metastasis

```

ln right neck posterior neck          NA's
      1              1              468

patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.9.additional_pharm
no NA's
  2  468

patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.9.additional_radia
no NA's
  2  468

patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.9.days_to_new_tumo
2367 6525 NA's
  1   1  468

patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.9.new_neoplasm_eve
distant metastasis                    NA's
      2              468

patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.9.new_tumor_event_
no NA's
  1  469

patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.9.new_tumor_metast
other, specify                          NA's
      2              468

patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.9.new_tumor_metast
right head - skin and soft tissue      small bowel
      1              1
      NA's
      468

patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.additional_pharmac
no yes NA's
  40  33  397

patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.additional_radiati
no yes NA's
  55  18  397

patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.days_to_new_tumor_
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.    NA's
    37    339    1007    2006    3037    10916    425

patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.days_to_new_tumor_
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.    NA's
    0.0    324.0    880.5    1755.0    2287.8    10888.0    378

patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.new_neoplasm_event
extremities          lung other, specify          trunk          NA's
      2              2              1              1              464

```

```

patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.new_neoplasm_event
  distant metastasis locoregional recurrence    new primary melanoma
                47                                16                                2
  regional lymph node                            NA's
                15                                390

```

```

patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.new_non_melanoma_e
  adenocarcinoma                                cml                                scc
                1                                1                                2
  squamous cell carcinoma                        NA's
                1                                465

```

```

patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.new_primary_melanoc
  extremities head & neck    NA's
                2            1            467

```

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patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.new_tumor_event_ad
  no  yes NA's
  35  45  390

```

```

patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.primary_anatomic_s
  1 NA's
  2  468

```

```

patient.follow_ups.follow_up.new_tumor_events.new_tumor_event_after_initial_trea
  no  yes NA's
  189  93  188

```

```

patient.follow_ups.follow_up.person_neoplasm_cancer_status:
  tumor free with tumor    NA's
                182            105            183

```

```

patient.follow_ups.follow_up.postoperative_rx_tx:
  no  yes NA's
  218  66  186

```

```

patient.follow_ups.follow_up.radiation_therapy:
  no  yes NA's
  247  38  185

```

```

patient.follow_ups.follow_up.subsequent_primary_melanoma_during_followup:
  no  yes NA's
  232  6  232

```

```

patient.follow_ups.follow_up.vital_status:
  alive  dead  NA's
  229    63    178

```

```

patient.follow_ups.follow_up.year_of_form_completion:

```

2012	2013	2014	2015	NA's
13	94	175	39	149

patient.gender:
 female male
 180 290

patient.height:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 146.0 163.0 170.0 170.1 178.0 193.0 217

patient.history_of_neoadjuvant_treatment:
 no yes
 445 25

patient.informed_consent_verified:
 yes
 470

patient.interferon_90_day_prior_excision_admin_indicator:
 no yes NA's
 12 29 429

patient.lactate_dehydrogenase_result:
 elevated normal NA's
 2 5 463

patient.malignant_neoplasm_mitotic_count_rate:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 0.000 2.000 5.000 6.464 9.000 40.000 298

patient.melanoma_origin_skin_anatomic_site:
 non-glabrous skin NA's
 435 35

patient.melanoma_ulceration_indicator:
 no yes NA's
 146 167 157

patient.month_of_form_completion:
 Min. 1st Qu. Median Mean 3rd Qu. Max.
 1.000 4.000 7.000 7.017 11.000 12.000

patient.new_tumor_events.new_tumor_dx_prior_submitted_specimen_dx:
 no yes NA's
 140 74 256

patient.new_tumor_events.new_tumor_event.10.additional_pharmaceutical_therapy:

no yes NA's
6 6 458

patient.new_tumor_events.new_tumor_event.10.additional_radiation_therapy:
no NA's
13 457

patient.new_tumor_events.new_tumor_event.10.days_to_new_tumor_event_additional_s
1359 1823 4027 NA's
1 1 1 467

patient.new_tumor_events.new_tumor_event.10.days_to_new_tumor_event_after_initia
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
333 1359 2105 2803 4447 5964 457

patient.new_tumor_events.new_tumor_event.10.new_neoplasm_event_type:
distant metastasis locoregional recurrence NA's
12 1 457

patient.new_tumor_events.new_tumor_event.10.new_tumor_event_additional_surgery_p
no yes NA's
10 3 457

patient.new_tumor_events.new_tumor_event.10.new_tumor_metastasis_anatomic_site:
bone other, specify NA's
1 11 458

patient.new_tumor_events.new_tumor_event.11.additional_pharmaceutical_therapy:
no yes NA's
4 5 461

patient.new_tumor_events.new_tumor_event.11.additional_radiation_therapy:
no yes NA's
9 1 460

patient.new_tumor_events.new_tumor_event.11.days_to_new_tumor_event_additional_s
1359 1863 4027 NA's
1 1 1 467

patient.new_tumor_events.new_tumor_event.11.days_to_new_tumor_event_after_initia
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
333 924 1829 2124 3503 4447 460

patient.new_tumor_events.new_tumor_event.11.new_neoplasm_event_type:
distant metastasis locoregional recurrence NA's
8 2 460

patient.new_tumor_events.new_tumor_event.11.new_tumor_event_additional_surgery_p
no yes NA's
7 3 460

patient.new_tumor_events.new_tumor_event.11.new_tumor_metastasis_anatomic_site:
 brain liver other, specify NA's
 1 1 6 462

patient.new_tumor_events.new_tumor_event.12.additional_pharmaceutical_therapy:
 no yes NA's
 3 1 466

patient.new_tumor_events.new_tumor_event.12.additional_radiation_therapy:
 no NA's
 7 463

patient.new_tumor_events.new_tumor_event.12.days_to_new_tumor_event_additional_s
 1988 2107 4027 NA's
 1 1 1 467

patient.new_tumor_events.new_tumor_event.12.days_to_new_tumor_event_after_initia
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 779 1892 2105 2741 4036 4447 463

patient.new_tumor_events.new_tumor_event.12.new_neoplasm_event_type:
 distant metastasis locoregional recurrence regional lymph node
 4 2 1
 NA's
 463

patient.new_tumor_events.new_tumor_event.12.new_tumor_event_additional_surgery_p
 no yes NA's
 4 3 463

patient.new_tumor_events.new_tumor_event.12.new_tumor_metastasis_anatomic_site:
 lung other, specify NA's
 2 2 466

patient.new_tumor_events.new_tumor_event.12.new_tumor_metastasis_anatomic_site_o
 right scalp spleen NA's
 1 1 468

patient.new_tumor_events.new_tumor_event.13.additional_pharmaceutical_therapy:
 no yes NA's
 2 1 467

patient.new_tumor_events.new_tumor_event.13.additional_radiation_therapy:
 no NA's
 4 466

patient.new_tumor_events.new_tumor_event.13.days_to_new_tumor_event_additional_s
 2023 4187 NA's
 1 1 468

patient.new_tumor_events.new_tumor_event.13.days_to_new_tumor_event_after_initia

2023 4044 4187 4447 NA's
 1 1 1 1 466

patient.new_tumor_events.new_tumor_event.13.new_neoplasm_event_type:
 distant metastasis NA's
 4 466

patient.new_tumor_events.new_tumor_event.13.new_tumor_event_additional_surgery_p
 no yes NA's
 2 2 466

patient.new_tumor_events.new_tumor_event.13.new_tumor_metastasis_anatomic_site:
 lung other, specify NA's
 1 3 466

patient.new_tumor_events.new_tumor_event.13.new_tumor_metastasis_anatomic_site_o
 mediastinum right posterior chest right temple
 1 1 1
 NA's
 467

patient.new_tumor_events.new_tumor_event.14.additional_pharmaceutical_therapy:
 no yes NA's
 2 1 467

patient.new_tumor_events.new_tumor_event.14.additional_radiation_therapy:
 no yes NA's
 3 1 466

patient.new_tumor_events.new_tumor_event.14.days_to_new_tumor_event_additional_s
 2121 4187 NA's
 1 1 468

patient.new_tumor_events.new_tumor_event.14.days_to_new_tumor_event_after_initia
 2121 4163 4187 4447 NA's
 1 1 1 1 466

patient.new_tumor_events.new_tumor_event.14.new_neoplasm_event_type:
 distant metastasis locoregional recurrence NA's
 3 1 466

patient.new_tumor_events.new_tumor_event.14.new_tumor_event_additional_surgery_p
 no yes NA's
 2 2 466

patient.new_tumor_events.new_tumor_event.14.new_tumor_metastasis_anatomic_site:
 brain liver other, specify NA's
 1 1 1 467

patient.new_tumor_events.new_tumor_event.14.new_tumor_metastasis_anatomic_site_o
 right upper scalp NA's
 1 469

patient.new_tumor_events.new_tumor_event.15.additional_pharmaceutical_therapy:
 no NA's
 2 468

patient.new_tumor_events.new_tumor_event.15.additional_radiation_therapy:
 no NA's
 3 467

patient.new_tumor_events.new_tumor_event.15.days_to_new_tumor_event_additional_s
 2151 4187 NA's
 1 1 468

patient.new_tumor_events.new_tumor_event.15.days_to_new_tumor_event_after_initia
 2151 4184 4187 NA's
 1 1 1 467

patient.new_tumor_events.new_tumor_event.15.new_neoplasm_event_type:
 distant metastasis NA's
 3 467

patient.new_tumor_events.new_tumor_event.15.new_tumor_event_additional_surgery_p
 no yes NA's
 1 2 467

patient.new_tumor_events.new_tumor_event.15.new_tumor_metastasis_anatomic_site:
 bone other, specify NA's
 1 2 467

patient.new_tumor_events.new_tumor_event.15.new_tumor_metastasis_anatomic_site_o
 left thigh right posterior scalp NA's
 1 1 468

patient.new_tumor_events.new_tumor_event.16.additional_pharmaceutical_therapy:
 no NA's
 2 468

patient.new_tumor_events.new_tumor_event.16.additional_radiation_therapy:
 no NA's
 2 468

patient.new_tumor_events.new_tumor_event.16.days_to_new_tumor_event_additional_s
 2195 4187 NA's
 1 1 468

patient.new_tumor_events.new_tumor_event.16.days_to_new_tumor_event_after_initia
 2195 4187 NA's
 1 1 468

patient.new_tumor_events.new_tumor_event.16.new_neoplasm_event_type:
 distant metastasis NA's
 2 468

patient.new_tumor_events.new_tumor_event.16.new_tumor_event_additional_surgery_p
 yes NA's
 2 468

patient.new_tumor_events.new_tumor_event.16.new_tumor_metastasis_anatomic_site:
 other, specify NA's
 2 468

patient.new_tumor_events.new_tumor_event.16.new_tumor_metastasis_anatomic_site_o
 left thigh right upper back NA's
 1 1 468

patient.new_tumor_events.new_tumor_event.17.additional_pharmaceutical_therapy:
 no NA's
 2 468

patient.new_tumor_events.new_tumor_event.17.additional_radiation_therapy:
 no NA's
 2 468

patient.new_tumor_events.new_tumor_event.17.days_to_new_tumor_event_additional_s
 2334 4321 NA's
 1 1 468

patient.new_tumor_events.new_tumor_event.17.days_to_new_tumor_event_after_initia
 2334 4321 NA's
 1 1 468

patient.new_tumor_events.new_tumor_event.17.new_neoplasm_event_type:
 distant metastasis NA's
 2 468

patient.new_tumor_events.new_tumor_event.17.new_tumor_event_additional_surgery_p
 yes NA's
 2 468

patient.new_tumor_events.new_tumor_event.17.new_tumor_metastasis_anatomic_site:
 other, specify NA's
 2 468

patient.new_tumor_events.new_tumor_event.17.new_tumor_metastasis_anatomic_site_o
 base penis right anterior chest NA's
 1 1 468

patient.new_tumor_events.new_tumor_event.18.additional_pharmaceutical_therapy:
 no NA's
 2 468

patient.new_tumor_events.new_tumor_event.18.additional_radiation_therapy:
 no NA's
 2 468

patient.new_tumor_events.new_tumor_event.18.days_to_new_tumor_event_additional_s
 2334 4383 NA's
 1 1 468

patient.new_tumor_events.new_tumor_event.18.days_to_new_tumor_event_after_initia
 2388 4370 NA's
 1 1 468

patient.new_tumor_events.new_tumor_event.18.new_neoplasm_event_type:
 distant metastasis locoregional recurrence NA's
 1 1 468

patient.new_tumor_events.new_tumor_event.18.new_tumor_event_additional_surgery_p
 yes NA's
 2 468

patient.new_tumor_events.new_tumor_event.18.new_tumor_metastasis_anatomic_site:
 other, specify NA's
 1 469

patient.new_tumor_events.new_tumor_event.18.new_tumor_metastasis_anatomic_site_o
 left lower back NA's
 1 469

patient.new_tumor_events.new_tumor_event.19.additional_pharmaceutical_therapy:
 no NA's
 2 468

patient.new_tumor_events.new_tumor_event.19.additional_radiation_therapy:
 no NA's
 2 468

patient.new_tumor_events.new_tumor_event.19.days_to_new_tumor_event_additional_s
 2388 4410 NA's
 1 1 468

patient.new_tumor_events.new_tumor_event.19.days_to_new_tumor_event_after_initia
 2388 4396 NA's
 1 1 468

patient.new_tumor_events.new_tumor_event.19.new_neoplasm_event_type:
 distant metastasis NA's
 2 468

patient.new_tumor_events.new_tumor_event.19.new_tumor_event_additional_surgery_p
 yes NA's
 2 468

patient.new_tumor_events.new_tumor_event.19.new_tumor_metastasis_anatomic_site:
 brain other, specify NA's
 1 1 468

patient.new_tumor_events.new_tumor_event.19.new_tumor_metastasis_anatomic_site_o
left anterior abdomen NA's
1 469

patient.new_tumor_events.new_tumor_event.2.additional_pharmaceutical_therapy:
no yes NA's
85 39 346

patient.new_tumor_events.new_tumor_event.2.additional_radiation_therapy:
no yes NA's
101 24 345

patient.new_tumor_events.new_tumor_event.2.days_to_new_tumor_event_additional_su
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
55.0 757.2 1267.0 1871.6 2682.8 8305.0 406

patient.new_tumor_events.new_tumor_event.2.days_to_new_tumor_event_after_initial
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
55 389 940 1523 1984 8305 344

patient.new_tumor_events.new_tumor_event.2.new_neoplasm_event_occurrence_anatomi
colon extremities other, specify trunk NA's
1 1 2 1 465

patient.new_tumor_events.new_tumor_event.2.new_neoplasm_event_type:
distant metastasis locoregional recurrence new primary melanoma
79 28 10
regional lymph node NA's
7 346

patient.new_tumor_events.new_tumor_event.2.new_primary_melanoma_anatomic_site:
extremities head & neck trunk NA's
4 3 3 460

patient.new_tumor_events.new_tumor_event.2.new_tumor_event_additional_surgery_pr
no yes NA's
64 65 341

patient.new_tumor_events.new_tumor_event.2.primary_anatomic_site_count:
1 NA's
8 462

patient.new_tumor_events.new_tumor_event.20.additional_pharmaceutical_therapy:
no NA's
2 468

patient.new_tumor_events.new_tumor_event.20.additional_radiation_therapy:
no NA's

2 468

patient.new_tumor_events.new_tumor_event.20.days_to_new_tumor_event_after_initia
2388 4396 NA's

1 1 468

patient.new_tumor_events.new_tumor_event.20.new_neoplasm_event_type:
distant metastasis NA's

2 468

patient.new_tumor_events.new_tumor_event.20.new_tumor_event_additional_surgery_p
no NA's

2 468

patient.new_tumor_events.new_tumor_event.20.new_tumor_metastasis_anatomic_site:
liver other, specify NA's

1 1 468

patient.new_tumor_events.new_tumor_event.20.new_tumor_metastasis_anatomic_site_o
abdominal soft tissue NA's

1 469

patient.new_tumor_events.new_tumor_event.21.additional_pharmaceutical_therapy:
no NA's

2 468

patient.new_tumor_events.new_tumor_event.21.additional_radiation_therapy:
no NA's

2 468

patient.new_tumor_events.new_tumor_event.21.days_to_new_tumor_event_after_initia
2388 4396 NA's

1 1 468

patient.new_tumor_events.new_tumor_event.21.new_neoplasm_event_type:
distant metastasis NA's

2 468

patient.new_tumor_events.new_tumor_event.21.new_tumor_event_additional_surgery_p
no NA's

2 468

patient.new_tumor_events.new_tumor_event.21.new_tumor_metastasis_anatomic_site:
other, specify NA's

2 468

patient.new_tumor_events.new_tumor_event.21.new_tumor_metastasis_anatomic_site_o
chest wall soft tissue retroperitoneal nodules NA's

1 1 468

patient.new_tumor_events.new_tumor_event.22.additional_pharmaceutical_therapy:
no NA's

2 468

patient.new_tumor_events.new_tumor_event.22.additional_radiation_therapy:

no NA's

2 468

patient.new_tumor_events.new_tumor_event.22.days_to_new_tumor_event_after_initia

2388 4396 NA's

1 1 468

patient.new_tumor_events.new_tumor_event.22.new_neoplasm_event_type:

distant metastasis NA's

2 468

patient.new_tumor_events.new_tumor_event.22.new_tumor_event_additional_surgery_p

no NA's

2 468

patient.new_tumor_events.new_tumor_event.22.new_tumor_metastasis_anatomic_site:

other, specify NA's

2 468

patient.new_tumor_events.new_tumor_event.22.new_tumor_metastasis_anatomic_site_o

mediastinal lymph mediastinal lymph node NA's

1 1 468

patient.new_tumor_events.new_tumor_event.23.additional_pharmaceutical_therapy:

no NA's

2 468

patient.new_tumor_events.new_tumor_event.23.additional_radiation_therapy:

no NA's

2 468

patient.new_tumor_events.new_tumor_event.23.days_to_new_tumor_event_after_initia

2388 4396 NA's

1 1 468

patient.new_tumor_events.new_tumor_event.23.new_neoplasm_event_type:

distant metastasis NA's

2 468

patient.new_tumor_events.new_tumor_event.23.new_tumor_event_additional_surgery_p

no NA's

2 468

patient.new_tumor_events.new_tumor_event.23.new_tumor_metastasis_anatomic_site:

other, specify NA's

2 468

patient.new_tumor_events.new_tumor_event.23.new_tumor_metastasis_anatomic_site_o

pancreatic masses right buttock NA's

	1	1	468
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patient.new_tumor_events.new_tumor_event.24.additional_pharmaceutical_therapy:
no NA's
2 468

patient.new_tumor_events.new_tumor_event.24.additional_radiation_therapy:
no yes NA's
1 1 468

patient.new_tumor_events.new_tumor_event.24.days_to_new_tumor_event_after_initia
2388 4441 NA's
1 1 468

patient.new_tumor_events.new_tumor_event.24.new_neoplasm_event_type:
distant metastasis NA's
2 468

patient.new_tumor_events.new_tumor_event.24.new_tumor_event_additional_surgery_p
no NA's
2 468

patient.new_tumor_events.new_tumor_event.24.new_tumor_metastasis_anatomic_site:
bone other, specify NA's
1 1 468

patient.new_tumor_events.new_tumor_event.24.new_tumor_metastasis_anatomic_site_o
left axilla NA's
1 469

patient.new_tumor_events.new_tumor_event.25.additional_pharmaceutical_therapy:
no NA's
1 469

patient.new_tumor_events.new_tumor_event.25.additional_radiation_therapy:
no NA's
1 469

patient.new_tumor_events.new_tumor_event.25.days_to_new_tumor_event_additional_s
2446 NA's
1 469

patient.new_tumor_events.new_tumor_event.25.days_to_new_tumor_event_after_initia
2446 NA's
1 469

patient.new_tumor_events.new_tumor_event.25.new_neoplasm_event_type:
distant metastasis NA's
1 469

patient.new_tumor_events.new_tumor_event.25.new_tumor_event_additional_surgery_p
yes NA's

1 469

patient.new_tumor_events.new_tumor_event.25.new_tumor_metastasis_anatomic_site:
 other, specify NA's
 1 469

patient.new_tumor_events.new_tumor_event.25.new_tumor_metastasis_anatomic_site_o
 right hip NA's
 1 469

patient.new_tumor_events.new_tumor_event.3.additional_pharmaceutical_therapy:
 no yes NA's
 59 30 381

patient.new_tumor_events.new_tumor_event.3.additional_radiation_therapy:
 no yes NA's
 81 11 378

patient.new_tumor_events.new_tumor_event.3.days_to_new_tumor_event_additional_su
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 484 1000 1468 2329 3133 6038 446

patient.new_tumor_events.new_tumor_event.3.days_to_new_tumor_event_after_initial
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 55 483 1288 1753 2606 8126 377

patient.new_tumor_events.new_tumor_event.3.new_neoplasm_event_type:
 distant metastasis locoregional recurrence new primary melanoma
 73 16 4
 regional lymph node NA's
 3 374

patient.new_tumor_events.new_tumor_event.3.new_primary_melanoma_anatomic_site:
 extremities trunk NA's
 2 2 466

patient.new_tumor_events.new_tumor_event.3.new_tumor_event_additional_surgery_pr
 no yes NA's
 69 26 375

patient.new_tumor_events.new_tumor_event.3.primary_anatomic_site_count:
 1 NA's
 4 466

patient.new_tumor_events.new_tumor_event.4.additional_pharmaceutical_therapy:
 no yes NA's
 52 21 397

patient.new_tumor_events.new_tumor_event.4.additional_radiation_therapy:
 no yes NA's

65 10 395

patient.new_tumor_events.new_tumor_event.4.days_to_new_tumor_event_additional_su

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
172.0	874.5	1481.5	1961.1	2683.8	7361.0	444

patient.new_tumor_events.new_tumor_event.4.days_to_new_tumor_event_after_initial

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
55	609	1479	1988	2780	8126	393

patient.new_tumor_events.new_tumor_event.4.new_neoplasm_event_occurrence_anatomi

extremities	trunk	NA's
1	1	468

patient.new_tumor_events.new_tumor_event.4.new_neoplasm_event_type:

distant metastasis	locoregional recurrence	new primary melanoma
60	10	4
regional lymph node	NA's	
3	393	

patient.new_tumor_events.new_tumor_event.4.new_non_melanoma_event_histologic_typ

basal cell carcinoma	squamous cell carcinoma	NA's
1	1	468

patient.new_tumor_events.new_tumor_event.4.new_primary_melanoma_anatomic_site:

extremities	head & neck	trunk	NA's
2	1	1	466

patient.new_tumor_events.new_tumor_event.4.new_tumor_event_additional_surgery_pr

no	yes	NA's
52	27	391

patient.new_tumor_events.new_tumor_event.4.primary_anatomic_site_count:

1	NA's
4	466

patient.new_tumor_events.new_tumor_event.5.additional_pharmaceutical_therapy:

no	yes	NA's
32	19	419

patient.new_tumor_events.new_tumor_event.5.additional_radiation_therapy:

no	yes	NA's
43	7	420

patient.new_tumor_events.new_tumor_event.5.days_to_new_tumor_event_additional_su

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
212.0	735.2	1454.5	1885.0	2470.2	7449.0	452

patient.new_tumor_events.new_tumor_event.5.days_to_new_tumor_event_after_initial

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
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33.0 490.8 1454.5 1774.5 2391.8 7449.0 418

patient.new_tumor_events.new_tumor_event.5.new_neoplasm_event_type:
 distant metastasis locoregional recurrence new primary melanoma
 40 7 2
 NA's
 421

patient.new_tumor_events.new_tumor_event.5.new_primary_melanoma_anatomic_site:
 extremities trunk NA's
 1 1 468

patient.new_tumor_events.new_tumor_event.5.new_tumor_event_additional_surgery_pr
 no yes NA's
 32 20 418

patient.new_tumor_events.new_tumor_event.5.new_tumor_metastasis_anatomic_site:
 bone brain liver other, specify NA's
 3 7 1 29 430

patient.new_tumor_events.new_tumor_event.5.primary_anatomic_site_count:
 1 NA's
 2 468

patient.new_tumor_events.new_tumor_event.6.additional_pharmaceutical_therapy:
 no yes NA's
 26 12 432

patient.new_tumor_events.new_tumor_event.6.additional_radiation_therapy:
 no yes NA's
 37 1 432

patient.new_tumor_events.new_tumor_event.6.days_to_new_tumor_event_additional_su
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 315 1499 2488 2923 4113 7512 458

patient.new_tumor_events.new_tumor_event.6.days_to_new_tumor_event_after_initial
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 250.0 703.8 1689.5 2133.6 3126.5 7512.0 432

patient.new_tumor_events.new_tumor_event.6.new_neoplasm_event_occurrence_anatomi
 head & neck prostate NA's
 1 1 468

patient.new_tumor_events.new_tumor_event.6.new_neoplasm_event_type:
 distant metastasis locoregional recurrence new primary melanoma
 26 8 2
 regional lymph node NA's
 1 433

patient.new_tumor_events.new_tumor_event.6.new_non_melanoma_event_histologic_type
 adenocarcinoma basal cell carcinoma NA's
 1 1 468

patient.new_tumor_events.new_tumor_event.6.new_primary_melanoma_anatomic_site:
 extremities trunk NA's
 1 1 468

patient.new_tumor_events.new_tumor_event.6.new_tumor_event_additional_surgery_pr
 no yes NA's
 26 12 432

patient.new_tumor_events.new_tumor_event.6.primary_anatomic_site_count:
 1 NA's
 2 468

patient.new_tumor_events.new_tumor_event.7.additional_pharmaceutical_therapy:
 no yes NA's
 20 9 441

patient.new_tumor_events.new_tumor_event.7.additional_radiation_therapy:
 no yes NA's
 28 1 441

patient.new_tumor_events.new_tumor_event.7.days_to_new_tumor_event_additional_su
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 657 1697 2587 3067 3902 7652 462

patient.new_tumor_events.new_tumor_event.7.days_to_new_tumor_event_after_initial
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 250 1042 1897 2471 3828 7652 442

patient.new_tumor_events.new_tumor_event.7.new_neoplasm_event_occurrence_anatom
 extremities NA's
 1 469

patient.new_tumor_events.new_tumor_event.7.new_neoplasm_event_type:
 distant metastasis locoregional recurrence new primary melanoma
 21 5 1
 regional lymph node NA's
 1 442

patient.new_tumor_events.new_tumor_event.7.new_non_melanoma_event_histologic_type
 basal cell carcinoma NA's
 1 469

patient.new_tumor_events.new_tumor_event.7.new_primary_melanoma_anatomic_site:
 head & neck NA's
 1 469

```
patient.new_tumor_events.new_tumor_event.7.new_tumor_event_additional_surgery_pr
no yes NA's
21 8 441
```

```
patient.new_tumor_events.new_tumor_event.7.new_tumor_metastasis_anatomic_site:
bone liver other, specify NA's
2 3 16 449
```

```
patient.new_tumor_events.new_tumor_event.7.primary_anatomic_site_count:
1 NA's
1 469
```

```
patient.new_tumor_events.new_tumor_event.8.additional_pharmaceutical_therapy:
no yes NA's
16 9 445
```

```
patient.new_tumor_events.new_tumor_event.8.additional_radiation_therapy:
no yes NA's
24 2 444
```

```
patient.new_tumor_events.new_tumor_event.8.days_to_new_tumor_event_additional_su
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
1271 1804 3795 3792 4426 9021 463
```

```
patient.new_tumor_events.new_tumor_event.8.days_to_new_tumor_event_after_initial
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
252 701 1814 2500 3969 9021 445
```

```
patient.new_tumor_events.new_tumor_event.8.new_neoplasm_event_type:
distant metastasis locoregional recurrence new primary melanoma
21 3 1
regional lymph node NA's
1 444
```

```
patient.new_tumor_events.new_tumor_event.8.new_primary_melanoma_anatomic_site:
trunk NA's
1 469
```

```
patient.new_tumor_events.new_tumor_event.8.new_tumor_event_additional_surgery_pr
no yes NA's
19 7 444
```

```
patient.new_tumor_events.new_tumor_event.8.new_tumor_metastasis_anatomic_site:
brain liver lung other, specify NA's
2 2 2 15 449
```

```
patient.new_tumor_events.new_tumor_event.8.primary_anatomic_site_count:
1 NA's
1 469
```

patient.new_tumor_events.new_tumor_event.9.additional_pharmaceutical_therapy:
 no yes NA's
 12 5 453

patient.new_tumor_events.new_tumor_event.9.additional_radiation_therapy:
 no yes NA's
 15 2 453

patient.new_tumor_events.new_tumor_event.9.days_to_new_tumor_event_additional_surgery:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 1359 2225 4217 3646 4504 5921 464

patient.new_tumor_events.new_tumor_event.9.days_to_new_tumor_event_after_initial_surgery:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 328 780 2009 2587 4390 5921 453

patient.new_tumor_events.new_tumor_event.9.new_neoplasm_event_type:
 distant metastasis locoregional recurrence new primary melanoma
 14 2 1
 NA's
 453

patient.new_tumor_events.new_tumor_event.9.new_primary_melanoma_anatomic_site:
 trunk NA's
 1 469

patient.new_tumor_events.new_tumor_event.9.new_tumor_event_additional_surgery_primary:
 no yes NA's
 11 6 453

patient.new_tumor_events.new_tumor_event.9.new_tumor_metastasis_anatomic_site:
 brain liver other, specify NA's
 2 2 10 456

patient.new_tumor_events.new_tumor_event.9.primary_anatomic_site_count:
 1 NA's
 1 469

patient.new_tumor_events.new_tumor_event.additional_pharmaceutical_therapy:
 no yes NA's
 135 61 274

patient.new_tumor_events.new_tumor_event.additional_radiation_therapy:
 no yes NA's
 160 38 272

patient.new_tumor_events.new_tumor_event.days_to_new_tumor_event_additional_surgery:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 0 329 850 1252 1582 8113 341

patient.new_tumor_events.new_tumor_event.days_to_new_tumor_event_after_initial_t
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 0.0 205.5 634.0 1172.3 1441.5 10334.0 246

patient.new_tumor_events.new_tumor_event.new_neoplasm_event_type:
 distant metastasis locoregional recurrence new primary melanoma
 91 46 19
 regional lymph node NA's
 44 270

patient.new_tumor_events.new_tumor_event.new_primary_melanoma_anatomic_site:
 extremities head & neck trunk NA's
 8 4 10 448

patient.new_tumor_events.new_tumor_event.new_tumor_event_additional_surgery_pro
 no yes NA's
 76 131 263

patient.new_tumor_events.new_tumor_event.primary_anatomic_site_count:
 0 1 2 NA's
 1 12 1 456

patient.new_tumor_events.new_tumor_event_after_initial_treatment:
 no yes NA's
 119 338 13

patient.other_dx:
 no yes
 448 22

patient.person_neoplasm_cancer_status:
 tumor free with tumor NA's
 222 220 28

patient.postoperative_rx_tx:
 no yes NA's
 329 92 49

patient.primary_neoplasm_melanoma_dx:
 no yes
 47 423

patient.prior_systemic_therapy_types.prior_systemic_therapy_type:
 chemotherapy immunotherapy/vaccine interferon
 2 3 29
 other NA's
 1 435

patient.race_list.race:

asian	black or african american	white
12	1	447
NA's		
10		

patient.radiation_therapy:

no	yes	NA's
438	23	9

patient.radiations.radiation.2.day_of_form_completion:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
3.00	5.50	11.00	12.15	16.00	27.00	450

patient.radiations.radiation.2.days_to_radiation_therapy_end:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
158.0	457.5	1025.5	1203.8	1490.5	4462.0	450

patient.radiations.radiation.2.days_to_radiation_therapy_start:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
158.0	447.8	1018.5	1193.2	1478.5	4458.0	450

patient.radiations.radiation.2.measure_of_response:

complete response	radiographic progressive disease
3	2
stable disease	NA's
2	463

patient.radiations.radiation.2.month_of_form_completion:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
2.00	6.50	7.50	7.65	10.00	12.00	450

patient.radiations.radiation.2.numfractions:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1.0	4.0	5.0	7.2	10.0	20.0	455

patient.radiations.radiation.2.radiation_dosage:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1.00	20.00	27.50	28.94	33.75	76.00	454

patient.radiations.radiation.2.radiation_treatment_ongoing:

no	NA's
20	450

patient.radiations.radiation.2.radiation_type:

external	external beam	NA's
18	1	451

patient.radiations.radiation.2.regimen_indication:
 progression NA's
 1 469

patient.radiations.radiation.2.units:
 gy NA's
 16 454

patient.radiations.radiation.2.year_of_form_completion:
 2012 2013 2014 2015 NA's
 2 14 3 1 450

patient.radiations.radiation.3.anatomic_treatment_site:
 distant site regional site NA's
 3 2 465

patient.radiations.radiation.3.day_of_form_completion:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 3.0 11.0 14.0 15.2 21.0 27.0 465

patient.radiations.radiation.3.days_to_radiation_therapy_end:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 157.0 231.0 1117.0 969.2 1373.0 1968.0 465

patient.radiations.radiation.3.days_to_radiation_therapy_start:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 140 231 1095 959 1367 1962 465

patient.radiations.radiation.3.measure_of_response:
 complete response stable disease NA's
 1 1 468

patient.radiations.radiation.3.month_of_form_completion:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 3.0 5.0 7.0 7.4 10.0 12.0 465

patient.radiations.radiation.3.numfractions:
 5 NA's
 2 468

patient.radiations.radiation.3.radiation_dosage:
 20 30 3600 NA's
 2 1 1 466

patient.radiations.radiation.3.radiation_treatment_ongoing:
 no NA's
 5 465

patient.radiations.radiation.3.radiation_type:
 external NA's

5 465

patient.radiations.radiation.3.units:

gy NA's

4 466

patient.radiations.radiation.3.year_of_form_completion:

2013 2014 NA's

4 1 465

patient.radiations.radiation.4.anatomic_treatment_site:

distant recurrence distant site regional site NA's

1 1 1 467

patient.radiations.radiation.4.bcr_radiation_barcode:

tcga-ee-a29q-r55047 tcga-ee-a2a5-r45373 tcga-ee-a2mn-r49875 NA's

1 1 1 467

patient.radiations.radiation.4.bcr_radiation_uuid:

1a5695ee-233a-4bca-abec-997e373ea95a 3a195db3-cb4a-41be-885d-68dbafcef87f 1 1

c0e58a71-a2dc-45a6-928e-3105aae536ed NA's

1 467

patient.radiations.radiation.4.day_of_form_completion:

11 14 27 NA's

1 1 1 467

patient.radiations.radiation.4.days_to_radiation_therapy_end:

1118 1373 1397 NA's

1 1 1 467

patient.radiations.radiation.4.days_to_radiation_therapy_start:

1118 1351 1367 NA's

1 1 1 467

patient.radiations.radiation.4.month_of_form_completion:

7 10 12 NA's

1 1 1 467

patient.radiations.radiation.4.numfractions:

1 5 27 NA's

1 1 1 467

patient.radiations.radiation.4.radiation_dosage:

20 54 NA's

1 1 468

patient.radiations.radiation.4.radiation_treatment_ongoing:

no NA's

3 467

patient.radiations.radiation.4.radiation_type:

external NA's
3 467

patient.radiations.radiation.4.units:

gy NA's
2 468

patient.radiations.radiation.4.year_of_form_completion:

2013 NA's
3 467

patient.radiations.radiation.5.anatomic_treatment_site:

distant site NA's
2 468

patient.radiations.radiation.5.bcr_radiation_barcode:

tcga-ee-a2a5-r45374 tcga-ee-a2mn-r49876 NA's
1 1 468

patient.radiations.radiation.5.bcr_radiation_uuid:

08d402a0-f4b8-4a5c-b430-4a5f90b202fd 7409dc81-953f-4809-bdd4-3e671fa70140
1 1
NA's
468

patient.radiations.radiation.5.day_of_form_completion:

11 14 NA's
1 1 468

patient.radiations.radiation.5.days_to_radiation_therapy_end:

1182 1401 NA's
1 1 468

patient.radiations.radiation.5.days_to_radiation_therapy_start:

1176 1401 NA's
1 1 468

patient.radiations.radiation.5.month_of_form_completion:

7 10 NA's
1 1 468

patient.radiations.radiation.5.numfractions:

1 5 NA's
1 1 468

patient.radiations.radiation.5.radiation_dosage:

8 20 NA's
1 1 468

patient.radiations.radiation.5.radiation_treatment_ongoing:

no NA's

2 468

patient.radiations.radiation.5.radiation_type:

external NA's
2 468

patient.radiations.radiation.5.units:

gy NA's
2 468

patient.radiations.radiation.5.year_of_form_completion:

2013 NA's
2 468

patient.radiations.radiation.6.anatomic_treatment_site:

distant site NA's
1 469

patient.radiations.radiation.6.bcr_radiation_barcode:

tcga-ee-a2mn-r49877 NA's
1 469

patient.radiations.radiation.6.bcr_radiation_uuid:

579f693f-dec9-44ae-9ce1-c5500a0b23d6 NA's
1 469

patient.radiations.radiation.6.day_of_form_completion:

14 NA's
1 469

patient.radiations.radiation.6.days_to_radiation_therapy_end:

1401 NA's
1 469

patient.radiations.radiation.6.days_to_radiation_therapy_start:

1401 NA's
1 469

patient.radiations.radiation.6.month_of_form_completion:

10 NA's
1 469

patient.radiations.radiation.6.numfractions:

1 NA's
1 469

patient.radiations.radiation.6.radiation_dosage:

8 NA's
1 469

patient.radiations.radiation.6.radiation_treatment_ongoing:

no NA's

1 469

patient.radiations.radiation.6.radiation_type:

external NA's
1 469

patient.radiations.radiation.6.units:

gy NA's
1 469

patient.radiations.radiation.6.year_of_form_completion:

2013 NA's
1 469

patient.radiations.radiation.7.anatomic_treatment_site:

distant site NA's
1 469

patient.radiations.radiation.7.bcr_radiation_barcode:

tcga-ee-a2mn-r49878 NA's
1 469

patient.radiations.radiation.7.bcr_radiation_uuid:

3776468c-3dd1-4183-89a0-b94b08eaafe8 NA's
1 469

patient.radiations.radiation.7.day_of_form_completion:

14 NA's
1 469

patient.radiations.radiation.7.days_to_radiation_therapy_end:

1401 NA's
1 469

patient.radiations.radiation.7.days_to_radiation_therapy_start:

1401 NA's
1 469

patient.radiations.radiation.7.month_of_form_completion:

10 NA's
1 469

patient.radiations.radiation.7.numfractions:

1 NA's
1 469

patient.radiations.radiation.7.radiation_dosage:

8 NA's
1 469

patient.radiations.radiation.7.radiation_treatment_ongoing:

no NA's

1 469

patient.radiations.radiation.7.radiation_type:

external NA's
1 469

patient.radiations.radiation.7.units:

gy NA's
1 469

patient.radiations.radiation.7.year_of_form_completion:

2013 NA's
1 469

patient.radiations.radiation.course_number:

1 NA's
5 465

patient.radiations.radiation.day_of_form_completion:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1.00	9.00	11.00	13.38	19.00	31.00	355

patient.radiations.radiation.days_to_radiation_therapy_end:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
31.0	262.5	766.0	1322.6	1931.5	8137.0	359

patient.radiations.radiation.days_to_radiation_therapy_start:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
11	231	736	1289	1865	8128	357

patient.radiations.radiation.measure_of_response:

	complete response	partial response
	18	6
radiographic progressive disease		stable disease
	20	3
	NA's	
	423	

patient.radiations.radiation.month_of_form_completion:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1.000	5.000	7.000	7.444	10.000	12.000	355

patient.radiations.radiation.numfractions:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1.00	5.00	8.00	12.33	20.00	33.00	381

patient.radiations.radiation.radiation_dosage:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
3.00	30.00	48.00	850.37	63.62	5400.00	376


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patient.radiations.radiation.radiation_treatment_ongoing:
  no  yes NA's
114   1  355

```

```

patient.radiations.radiation.radiation_type:
  external external beam      NA's
          96                9    365

```

```

patient.radiations.radiation.regimen_indication:
  adjuvant progression recurrence      NA's
          4                2         5    459

```

```

patient.radiations.radiation.units:
  cgy  gy NA's
  22   72  376

```

```

patient.radiations.radiation.year_of_form_completion:
2012 2013 2014 2015 NA's
  34   49   24    8  355

```

```

patient.sites_of_primary_melanomas.primary_melanoma_at_diagnosis_count:
  0    1    2    3 NA's
  1  164    6    1  298

```

```

patient.sites_of_primary_melanomas.primary_tumor_multiple_present_ind:
  no  yes NA's
385  12   73

```

```

patient.sites_of_primary_melanomas.site.2.primary_anatomic_site_count:
  1    2 NA's
  2    1  467

```

```

patient.sites_of_primary_melanomas.site.2.tumor_tissue_site:
extremities      trunk      NA's
          3            2        465

```

```

patient.sites_of_primary_melanomas.site.primary_anatomic_site_count:
  1    2    5 NA's
188   1    1  280

```

```

patient.sites_of_primary_melanomas.site.tumor_tissue_site:
  extremities  head and neck other  specify      trunk      NA's
          196                37        13        172        52

```

```

patient.tissue_prospective_collection_indicator:
  no  yes

```

269 201

patient.tissue_retrospective_collection_indicator:
 no yes
 201 269

patient.tumor_tissue_site:

distant me

prima

regional cutaneous or subcutaneous tissue (includes satellite and in-transit met

regional ly

patient.vital_status:

alive dead NA's
 313 156 1

patient.weight:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
40.0	69.0	80.0	81.4	90.0	161.0	212

patient.year_of_form_completion:

2012	2013	2014	2015
225	152	86	7

patient.year_of_initial_pathologic_diagnosis:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1978	2002	2008	2006	2011	2013	3

patient.bcr_canonical_check.bcr_patient_canonical_reasons.bcr_canonical_reason:

case matched expression control	2
metastatic tumor and additional metastatic tumor(s)	1
primary tumor and metastatic tumor(s)	2
NA's	465

patient.bcr_canonical_check.bcr_patient_canonical_reasons.bcr_canonical_reason.2

case matched methylation control	2	NA's
		468

patient.bcr_canonical_check.bcr_patient_canonical_reasons.bcr_canonical_reason.3

germline comparison	2	NA's
		468

NA's
466

patient.samples.sample.2.portions.portion.analytes.analyte.2.a260_a280_ratio:
1.78 1.82 1.84 NA's
1 1 1 467

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.2.
tcga-d3-alqa-07a-11r-a37k-07 tcga-er-a2nf-06a-11r-a18w-13
1 1
NA's
468

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.2.
278783a2-646d-4669-b153-c0ba3deab9cf c0439e75-7e0d-489b-8930-64ff86e38e72
1 1
NA's
468

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.2.
118955268 164104804 NA's
1 1 468

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.2.
7 13 NA's
1 1 468

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.2.
0.16 NA's
2 468

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.2.
25 26 NA's
1 1 468

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.2.
no NA's
2 468

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.2.
2 10 NA's
1 1 468

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.2.
5 12 NA's
1 1 468

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.2.
a18w a37k NA's
1 1 468

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.2.

```

e      h NA's
1      1  468

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.2.
2.08  3.2 NA's
1      1  468

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.2.
23 NA's
2      468

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.2.
13    20 NA's
1      1  468

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.2.
2011 2014 NA's
1      1  468

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.bi
      Min.   1st Qu.   Median     Mean   3rd Qu.     Max.     NA's
113390451 122847842 122848126 136396332 153889251 175156221      13

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.ce
7      8    13 NA's
2    454    1    13

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.co
0.11 0.16  0.5 NA's
1      2  454  13

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.da
      Min. 1st Qu.  Median     Mean 3rd Qu.     Max.     NA's
8.00    8.00   18.00   16.28  18.00   29.00      13

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.is
no NA's
457    13

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.mo
      Min. 1st Qu.  Median     Mean 3rd Qu.     Max.     NA's
1.00    1.00    1.00    3.49   7.00   10.00      13

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.pl
      Min. 1st Qu.  Median     Mean 3rd Qu.     Max.     NA's
1.000    4.000    7.000    6.923  10.000  12.000      13

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.qu

```

1.43 2.08 3.2 40 NA's
 1 1 1 454 13

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.so
 23 NA's
 457 13

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.vo
 13 20 80 NA's
 2 1 454 13

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.ye
 2011 2012 2013 2014 NA's
 2 268 84 103 13

patient.samples.sample.2.portions.portion.analytes.analyte.2.analyte_type:
 repli-g (qiagen) dna rna NA's
 454 3 13

patient.samples.sample.2.portions.portion.analytes.analyte.2.analyte_type_id:
 r w NA's
 3 454 13

patient.samples.sample.2.portions.portion.analytes.analyte.2.concentration:
 0.11 0.16 NA's
 1 2 467

patient.samples.sample.2.portions.portion.analytes.analyte.2.dna.normal_tumor_ge
 yes NA's
 454 16

patient.samples.sample.2.portions.portion.analytes.analyte.2.dna.pcr_amplificati
 yes NA's
 454 16

patient.samples.sample.2.portions.portion.analytes.analyte.2.gel_image_file:
<https://sharedoc.nchri.org/tcga-bcr/default.aspx>
 457
 NA's
 13

patient.samples.sample.2.portions.portion.analytes.analyte.2.is_derived_from_ffp
 no NA's
 457 13

patient.samples.sample.2.portions.portion.analytes.analyte.2.protocols.protocol.
 nrna - melanoma protocol repli-g NA's
 3 454 13

patient.samples.sample.2.portions.portion.analytes.analyte.2.rna.ratio_28s_18s:

1.36 1.4 1.7 NA's
 1 1 1 467

patient.samples.sample.2.portions.portion.analytes.analyte.2.rna.rinvalue:
 7.3 7.6 8.3 NA's
 1 1 1 467

patient.samples.sample.2.portions.portion.analytes.analyte.2.spectrophotometer_m
 uv spec NA's
 3 467

patient.samples.sample.2.portions.portion.analytes.analyte.2.subportion_sequence
 1 2 NA's
 3 1 466

patient.samples.sample.2.portions.portion.analytes.analyte.3.aliquots.aliquot.bo
 tcga-d3-alqa-07a-11w-a44h-08 tcga-er-a19t-06a-11w-a20k-08
 1 1
 tcga-er-a2nf-06a-11w-a20l-08 NA's
 1 467

patient.samples.sample.2.portions.portion.analytes.analyte.3.aliquots.aliquot.bo
 20ccd4cd-a6b0-4716-a857-3026f15097d8 32bb99c1-bdb5-4266-bf7c-a5b38f0acc42
 1 1
 9b233a80-49dd-4b0c-8332-258bbad00201 NA's
 1 467

patient.samples.sample.2.portions.portion.analytes.analyte.3.aliquots.aliquot.bi
 122846979 122847874 167803158 NA's
 1 1 1 467

patient.samples.sample.2.portions.portion.analytes.analyte.3.aliquots.aliquot.ce
 8 NA's
 3 467

patient.samples.sample.2.portions.portion.analytes.analyte.3.aliquots.aliquot.co
 0.5 NA's
 3 467

patient.samples.sample.2.portions.portion.analytes.analyte.3.aliquots.aliquot.da
 8 18 NA's
 1 2 467

patient.samples.sample.2.portions.portion.analytes.analyte.3.aliquots.aliquot.is
 no NA's
 3 467

patient.samples.sample.2.portions.portion.analytes.analyte.3.aliquots.aliquot.mo
 1 7 NA's
 2 1 467

patient.samples.sample.2.portions.portion.analytes.analyte.3.aliquots.aliquot.pl

```

3      4      7 NA's
1      1      1 467

patient.samples.sample.2.portions.portion.analytes.analyte.3.aliquots.aliquot.pl
a20k a20l a44h NA's
1      1      1 467

patient.samples.sample.2.portions.portion.analytes.analyte.3.aliquots.aliquot.pl
a      d      e NA's
1      1      1 467

patient.samples.sample.2.portions.portion.analytes.analyte.3.aliquots.aliquot.qu
40 NA's
3      467

patient.samples.sample.2.portions.portion.analytes.analyte.3.aliquots.aliquot.sc
23 NA's
3      467

patient.samples.sample.2.portions.portion.analytes.analyte.3.aliquots.aliquot.vo
80 NA's
3      467

patient.samples.sample.2.portions.portion.analytes.analyte.3.aliquots.aliquot.ye
2012 2014 NA's
2      1      467

patient.samples.sample.2.portions.portion.analytes.analyte.3.analyte_type:
repli-g (qiagen) dna                      NA's
3                      467

patient.samples.sample.2.portions.portion.analytes.analyte.3.analyte_type_id:
w NA's
3      467

patient.samples.sample.2.portions.portion.analytes.analyte.3.bcr_analyte_barcode
tcga-d3-alqa-07a-11w tcga-er-a19t-06a-11w tcga-er-a2nf-06a-11w
1                      1                      1
NA's
467

patient.samples.sample.2.portions.portion.analytes.analyte.3.bcr_analyte_uuid:
040dd709-e8d6-4e2f-b6a0-aaae12def955 97396bb8-f971-4ea4-9244-2687bc85c3c9
1                      1
b0a07b7d-6de8-4f20-817d-7fabe256360f                      NA's
1                      467

patient.samples.sample.2.portions.portion.analytes.analyte.3.dna.normal_tumor_ge
yes NA's
3      467

patient.samples.sample.2.portions.portion.analytes.analyte.3.dna.pcr_amplificati

```


yes NA's
3 467

patient.samples.sample.2.portions.portion.analytes.analyte.3.gel_image_file:
https://sharedoc.nchri.org/tcga-bcr/default.aspx
3
NA's
467

patient.samples.sample.2.portions.portion.analytes.analyte.3.is_derived_from_ffp
no NA's
3 467

patient.samples.sample.2.portions.portion.analytes.analyte.3.protocols.protocol.
repli-g NA's
3 467

patient.samples.sample.2.portions.portion.analytes.analyte.3.subportion_sequence
1 NA's
3 467

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.2.bi
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
118956878 118958489 122850130 134500919 153879826 167823253 1

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.2.ce
1 8 NA's
147 322 1

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.2.co
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
0.0700 0.0800 0.0800 0.1043 0.1500 0.1800 1

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.2.da
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
5.00 25.00 25.00 23.84 26.00 31.00 1

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.2.is
no NA's
469 1

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.2.mo
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
1.000 2.000 9.000 6.721 10.000 12.000 1

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.2.pl
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
1.000 4.000 7.000 6.908 10.000 12.000 1

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.2.qu
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 0.940 1.140 2.800 2.481 3.200 3.600 1

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.2.so
 23 NA's
 469 1

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.2.vo
 6.7 40 NA's
 147 322 1

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.2.ye
 2011 2012 2013 2014 NA's
 216 69 86 98 1

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.3.bi
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 113385757 113389387 113389436 130250290 167779800 167780153 301

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.3.ce
 5 8 NA's
 1 168 301

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.3.co
 0.07 0.08 0.09 0.17 NA's
 31 97 40 1 301

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.3.da
 25 26 30 NA's
 119 1 49 301

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.3.is
 no NA's
 169 301

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.3.mo
 2 4 10 NA's
 1 49 119 301

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.3.pl
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 1.000 4.000 7.000 6.438 9.000 12.000 301

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.3.qu
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 0.940 1.070 3.200 2.622 3.200 3.600 301

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.3.so
 23 NA's
 169 301

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.3.vo
 13 13.4 40 NA's
 1 49 119 301

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.3.ye
 2011 2014 NA's
 119 50 301

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.4.bi

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
118967618	167779988	167780016	165659051	167780044	167811834	424

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.4.ce

			NA's
5	8	9	NA's
2	42	2	424

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.4.co

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0.0700	0.0800	0.0800	0.0852	0.0900	0.1600	424

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.4.da

			NA's
21	25	30	NA's
2	2	42	424

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.4.is
 no NA's
 46 424

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.4.mo

			NA's
1	4	10	NA's
2	42	2	424

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.4.pl

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
3.000	4.000	5.500	5.696	7.000	10.000	424

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.4.qu

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0.940	1.070	1.070	1.139	1.210	2.080	424

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.4.so
 23 NA's
 46 424

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.4.vo
 13 13.4 NA's
 2 44 424

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.4.ye
 2011 2014 2015 NA's
 2 42 2 424

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.5.bo
 tcga-er-a19t-06a-11d-a38r-08 tcga-er-a2nf-06a-11d-a38r-08
 1 1
 NA's
 468

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.5.bo
 ba51f105-3001-418a-8fb1-412d1088e38a c4792062-3c79-4f7e-b87b-1d4866098cda
 1 1
 NA's
 468

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.5.bi
 167780001 167780038 NA's
 1 1 468

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.5.ce
 8 NA's
 2 468

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.5.co
 0.08 NA's
 2 468

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.5.da
 30 NA's
 2 468

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.5.is
 no NA's
 2 468

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.5.mo
 4 NA's
 2 468

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.5.pl
 2 10 NA's
 1 1 468

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.5.pl
 a38r NA's
 2 468

```

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.5.pl
c      f NA's
1      1 468

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.5.qu
1.07 NA's
2      468

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.5.sc
23 NA's
2      468

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.5.vo
13.4 NA's
2      468

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.5.ye
2014 NA's
2      468

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.bios
      Min.   1st Qu.   Median     Mean   3rd Qu.     Max.      NA's
118952647 118967655 122849362 134503400 153879869 167823261      1

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.cent
1      2      8 NA's
322 119 28 1

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.conc
      Min. 1st Qu.  Median     Mean 3rd Qu.     Max.      NA's
0.0700 0.1500 0.1600 0.1536 0.1700 0.1800      1

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.day_
      Min. 1st Qu.  Median     Mean 3rd Qu.     Max.      NA's
5.00 25.00 25.00 23.84 26.00 31.00      1

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.is_d
no NA's
469 1

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.mont
      Min. 1st Qu.  Median     Mean 3rd Qu.     Max.      NA's
1.000 2.000 9.000 6.721 10.000 12.000      1

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.plat
      Min. 1st Qu.  Median     Mean 3rd Qu.     Max.      NA's
1.000 4.000 7.000 6.908 10.000 12.000      1

```

```

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.quant
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.   NA's
  0.870  1.010  1.070  1.318  1.600  3.600    1

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.sourc
  23 NA's
  469    1

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.volu
  6.7  10  40 NA's
  322 119  28    1

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.year
  2011 2012 2013 2014 NA's
  216   69   86   98    1

patient.samples.sample.2.portions.portion.analytes.analyte.analyte_type:
  dna NA's
  469    1

patient.samples.sample.2.portions.portion.analytes.analyte.analyte_type_id:
  d NA's
  469    1

patient.samples.sample.2.portions.portion.analytes.analyte.concentration:
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.   NA's
  0.1300 0.1500  0.1600  0.1582  0.1700  0.1800    1

patient.samples.sample.2.portions.portion.analytes.analyte.dna.normal_tumor_gene
  yes NA's
  469    1

patient.samples.sample.2.portions.portion.analytes.analyte.dna.pcr_amplification
  yes NA's
  469    1

patient.samples.sample.2.portions.portion.analytes.analyte.gel_image_file:
https://sharedoc.nchri.org/tcga-bcr/default.aspx
                                     469
                                     NA's
                                     1

patient.samples.sample.2.portions.portion.analytes.analyte.is_derived_from_ffpe:
  no NA's
  469    1

patient.samples.sample.2.portions.portion.analytes.analyte.protocols.protocol.ex
  adna preparation type pre-extracted dna received by tss
                                     269                                     200

```

NA's

1

patient.samples.sample.2.portions.portion.analytes.analyte.spectrophotometer_met
picogreen NA's
469 1

patient.samples.sample.2.portions.portion.analytes.analyte.subportion_sequence:
1 2 NA's
3 1 466

patient.samples.sample.2.portions.portion.day_of_creation:
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
1.00 10.00 17.00 15.96 22.00 31.00 1

patient.samples.sample.2.portions.portion.is_ffpe:
no NA's
469 1

patient.samples.sample.2.portions.portion.month_of_creation:
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
1.000 4.000 8.000 6.759 9.000 12.000 1

patient.samples.sample.2.portions.portion.portion_number:
1 2 11 12 NA's
462 3 3 1 1

patient.samples.sample.2.portions.portion.portion_sequence:
1 2 NA's
402 3 65

patient.samples.sample.2.portions.portion.slides.slide.bcr_slide_barcode:
tcga-d3-alqa-07a-01-tsa tcga-er-a19t-06a-01-tsa tcga-er-a2nf-06a-01-tsa
1 1 1
tcga-fw-a5dy-11a-01-tsl NA's
1 466

patient.samples.sample.2.portions.portion.slides.slide.bcr_slide_uuid:
58f948e1-1df0-4e13-alfa-2ef0eedde354 9d212aba-b116-4d56-9344-302fff842ce4
1 1
e7d8188d-e774-41f6-93f9-5dad199b67ad f461f575-9aec-4e14-a647-41572f736e88
1 1
NA's
466

patient.samples.sample.2.portions.portion.slides.slide.image_file_name:
tcga-d3-alqa-07a-01-tsa.e7d8188d-e774-41f6-93f9-5dad199b67ad.svs
1
tcga-er-a19t-06a-01-tsa.f461f575-9aec-4e14-a647-41572f736e88.svs
1

tcga-er-a2nf-06a-01-tsa.9d212aba-b116-4d56-9344-302fff842ce4.svs

1

tcga-fw-a5dy-11a-01-ts1.58f948e1-1df0-4e13-alfa-2ef0eedde354.svs

1

NA's

466

patient.samples.sample.2.portions.portion.slides.slide.is_derived_from_ffpe:

no NA's

4 466

patient.samples.sample.2.portions.portion.slides.slide.percent_lymphocyte_infiltrate:

0 2 4 NA's

1 2 1 466

patient.samples.sample.2.portions.portion.slides.slide.percent_monocyte_infiltrate:

0 1 NA's

1 3 466

patient.samples.sample.2.portions.portion.slides.slide.percent_necrosis:

0 1 6 NA's

2 1 1 466

patient.samples.sample.2.portions.portion.slides.slide.percent_neutrophil_infiltrate:

0 1 NA's

2 2 466

patient.samples.sample.2.portions.portion.slides.slide.percent_normal_cells:

0 10 NA's

3 1 466

patient.samples.sample.2.portions.portion.slides.slide.percent_stromal_cells:

0 14 24 90 NA's

1 1 1 1 466

patient.samples.sample.2.portions.portion.slides.slide.percent_tumor_cells:

0 70 85 100 NA's

1 1 1 1 466

patient.samples.sample.2.portions.portion.slides.slide.percent_tumor_nuclei:

0 70 85 NA's

1 2 1 466

patient.samples.sample.2.portions.portion.slides.slide.section_location:

top NA's

4 466

patient.samples.sample.2.portions.portion.weight:

1 2 30 2000 NA's

6 215 4 44 201

patient.samples.sample.2.portions.portion.year_of_creation:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
2010	2011	2011	2012	2013	2014	1
patient.samples.sample.2.portions.shipment_portion.bcr_shipment_portion_uuid:						
20ee3a64-2e03-4d8b-82b8-57a31d166658 c342a8d0-21ad-49f2-be57-97288146e963						
			1			1
			NA's			
			468			
patient.samples.sample.2.portions.shipment_portion.center_id:						
20 NA's						
			2			468
patient.samples.sample.2.portions.shipment_portion.is_ffpe:						
no NA's						
			2			468
patient.samples.sample.2.portions.shipment_portion.plate_id:						
a20m a241 NA's						
	1	1				468
patient.samples.sample.2.portions.shipment_portion.portion_number:						
21 41 NA's						
	1	1				468
patient.samples.sample.2.portions.shipment_portion.portion_sequence:						
2 4 NA's						
	1	1				468
patient.samples.sample.2.portions.shipment_portion.shipment_portion_bcr_aliquot:						
tcga-d3-alq6-07a-41-a20m-20 tcga-er-a2nf-06a-21-a241-20						
			1			1
			NA's			
			468			
patient.samples.sample.2.portions.shipment_portion.shipment_portion_day_of_shipment:						
14 30 NA's						
	1	1				468
patient.samples.sample.2.portions.shipment_portion.shipment_portion_month_of_shipment:						
1 11 NA's						
	1	1				468
patient.samples.sample.2.portions.shipment_portion.shipment_portion_year_of_shipment:						
2012 NA's						
	2					468
patient.samples.sample.2.sample_type:						
additional metastatic blood derived normal metastatic						
		2		465		2
solid tissue normal						
		1				

patient.samples.sample.2.sample_type_id:

6	7	10	11
2	2	465	1

patient.samples.sample.2.vial_number:

a	b	f
442	27	1

patient.samples.sample.3.bcr_biospecimen_canonical_reasons.bcr_canonical_reason:

germline comparison	NA's
1	469

patient.samples.sample.3.days_to_collection:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
246	882	1445	1416	1869	2654	464

patient.samples.sample.3.initial_weight:

70	320	NA's
1	1	468

patient.samples.sample.3.is_ffpe:

no NA's
6 464

patient.samples.sample.3.oct_embedded:

false	true	NA's
5	1	464

patient.samples.sample.3.portions.portion.analytes.analyte.2.a260_a280_ratio:

1.82	1.85	NA's
1	1	468

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.2.

tcga-fw-a3r5-11a-11r-a23a-13	tcga-gn-a4u8-11a-11r-a32p-07
1	1
NA's	
468	

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.2.

16f17f5b-73fa-48ef-ba5b-311e8a150ab4	ff7431a9-243a-4651-80bb-096379925bbe
1	1
NA's	
468	

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.2.

case matched expression control	NA's
1	469

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.2.

132268586 153876582 NA's
1 1 468

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.2.
7 13 NA's
1 1 468

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.2.
0.17 0.18 NA's
1 1 468

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.2.
25 31 NA's
1 1 468

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.2.
no NA's
2 468

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.2.
7 9 NA's
1 1 468

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.2.
1 3 NA's
1 1 468

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.2.
a23a a32p NA's
1 1 468

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.2.
b h NA's
1 1 468

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.2.
2.21 3.6 NA's
1 1 468

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.2.
23 NA's
2 468

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.2.
13 20 NA's
1 1 468

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.2.
2012 2013 NA's
1 1 468

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.3.

tcga-fw-a3r5-11a-11r-a466-07 tcga-gn-a4u8-11a-11r-a360-13
 1 1
 NA's
 468

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.3.
 711f6c5d-e6f7-42c7-b845-aa02e1f27726 98bbf4f0-6758-485e-b7bb-b40a010157ba
 1 1
 NA's
 468

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.3.
 164082184 167812966 NA's
 1 1 468

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.3.
 7 13 NA's
 1 1 468

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.3.
 0.17 0.18 NA's
 1 1 468

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.3.
 9 29 NA's
 1 1 468

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.3.
 no NA's
 2 468

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.3.
 1 12 NA's
 1 1 468

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.3.
 2 8 NA's
 1 1 468

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.3.
 a360 a466 NA's
 1 1 468

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.3.
 c e NA's
 1 1 468

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.3.
 1.19 3.96 NA's
 1 1 468

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.3.

```

23 NA's
2 468

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.3.
6.6 23.3 NA's
1 1 468

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.3.
2014 NA's
2 468

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.bo
case matched expression control NA's
1 469

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.bi
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
122847127 122847834 122847872 129589732 129913386 153879144 464

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.ce
7 8 13 NA's
1 4 1 464

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.co
0.17 0.18 0.5 NA's
1 1 4 464

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.da
18 25 30 NA's
4 1 1 464

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.is
no NA's
6 464

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.mo
1 7 9 NA's
4 1 1 464

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.pl
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
1.000 3.500 5.500 5.667 8.250 10.000 464

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.pl
a b e h NA's
3 1 1 1 464

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.qu
2.34 3.4 40 NA's

```

```

1      1      4      464

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.so
23 NA's
6      464

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.vo
13      20      80 NA's
1      1      4      464

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.ye
2012 2013 NA's
5      1      464

patient.samples.sample.3.portions.portion.analytes.analyte.2.analyte_type:
repli-g (qiagen) dna                      rna                      NA's
                        4                      2                      464

patient.samples.sample.3.portions.portion.analytes.analyte.2.analyte_type_id:
r      w NA's
2      4      464

patient.samples.sample.3.portions.portion.analytes.analyte.2.concentration:
0.17 0.18 NA's
1      1      468

patient.samples.sample.3.portions.portion.analytes.analyte.2.dna.normal_tumor_ge
yes NA's
4      466

patient.samples.sample.3.portions.portion.analytes.analyte.2.dna.pcr_amplificati
yes NA's
4      466

patient.samples.sample.3.portions.portion.analytes.analyte.2.gel_image_file:
https://sharedoc.nchri.org/tcga-bcr/default.aspx
                        6
                        NA's
                        464

patient.samples.sample.3.portions.portion.analytes.analyte.2.is_derived_from_ffp
no NA's
6      464

patient.samples.sample.3.portions.portion.analytes.analyte.2.protocols.protocol.
nrna - melanoma protocol                  repli-g                      NA's
                        2                      4                      464

patient.samples.sample.3.portions.portion.analytes.analyte.2.rna.ratio_28s_18s:
1.2 1.25 NA's

```

1 1 468

patient.samples.sample.3.portions.portion.analytes.analyte.2.rna.rinvalue:

8.4 8.5 NA's

1 1 468

patient.samples.sample.3.portions.portion.analytes.analyte.2.spectrophotometer_m

uv spec NA's

2 468

patient.samples.sample.3.portions.portion.analytes.analyte.2.subportion_sequence

1 NA's

2 468

patient.samples.sample.3.portions.portion.analytes.analyte.3.aliquots.aliquot.bo

tcga-fw-a3r5-11a-11w-a23h-08 tcga-gn-a4u8-11a-11w-a35w-08

1

1

NA's

468

patient.samples.sample.3.portions.portion.analytes.analyte.3.aliquots.aliquot.bo

c9be6346-f420-4c13-ba5e-7e2814a85421 cf1e7d1b-0bb5-4071-a5ed-1817015bf60f

1

1

NA's

468

patient.samples.sample.3.portions.portion.analytes.analyte.3.aliquots.aliquot.bi

132274185 164082101 NA's

1

1

468

patient.samples.sample.3.portions.portion.analytes.analyte.3.aliquots.aliquot.ce

8 NA's

2 468

patient.samples.sample.3.portions.portion.analytes.analyte.3.aliquots.aliquot.co

0.5 NA's

2 468

patient.samples.sample.3.portions.portion.analytes.analyte.3.aliquots.aliquot.da

22 29 NA's

1 1 468

patient.samples.sample.3.portions.portion.analytes.analyte.3.aliquots.aliquot.is

no NA's

2 468

patient.samples.sample.3.portions.portion.analytes.analyte.3.aliquots.aliquot.mo

1 8 NA's

1 1 468

patient.samples.sample.3.portions.portion.analytes.analyte.3.aliquots.aliquot.pl

6 NA's

2 468

patient.samples.sample.3.portions.portion.analytes.analyte.3.aliquots.aliquot.pl
a23h a35w NA's

1 1 468

patient.samples.sample.3.portions.portion.analytes.analyte.3.aliquots.aliquot.pl

a d NA's

1 1 468

patient.samples.sample.3.portions.portion.analytes.analyte.3.aliquots.aliquot.qu

40 NA's

2 468

patient.samples.sample.3.portions.portion.analytes.analyte.3.aliquots.aliquot.sc

23 NA's

2 468

patient.samples.sample.3.portions.portion.analytes.analyte.3.aliquots.aliquot.vo

80 NA's

2 468

patient.samples.sample.3.portions.portion.analytes.analyte.3.aliquots.aliquot.ye

2012 2014 NA's

1 1 468

patient.samples.sample.3.portions.portion.analytes.analyte.3.analyte_type:

repli-g (qiagen) dna NA's

2 468

patient.samples.sample.3.portions.portion.analytes.analyte.3.analyte_type_id:

w NA's

2 468

patient.samples.sample.3.portions.portion.analytes.analyte.3.bcr_analyte_barcode

tcga-fw-a3r5-11a-11w tcga-gn-a4u8-11a-11w NA's

1 1 468

patient.samples.sample.3.portions.portion.analytes.analyte.3.bcr_analyte_uuid:

046b372e-5666-49c7-a0a6-c28554d21767 79e6f5ed-54dc-420d-b5e6-d37e313e3a89

1 1

NA's

468

patient.samples.sample.3.portions.portion.analytes.analyte.3.dna.normal_tumor_ge

yes NA's

2 468

patient.samples.sample.3.portions.portion.analytes.analyte.3.dna.pcr_amplificati

yes NA's

2 468

patient.samples.sample.3.portions.portion.analytes.analyte.3.gel_image_file:
<https://sharedoc.nchri.org/tcga-bcr/default.aspx>

2

NA's

468

patient.samples.sample.3.portions.portion.analytes.analyte.3.is_derived_from_ffp

no NA's

2 468

patient.samples.sample.3.portions.portion.analytes.analyte.3.protocols.protocol.

repli-g NA's

2 468

patient.samples.sample.3.portions.portion.analytes.analyte.3.subportion_sequence

1 NA's

2 468

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.2.bi

	Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
	118957448	118957767	118958490	126996839	128941153	153880373	464

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.2.ce

1 8 NA's

2 4 464

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.2.co

0.08 0.17 0.18 NA's

4 1 1 464

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.2.da

25 31 NA's

5 1 464

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.2.is

no NA's

6 464

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.2.mo

7 9 10 NA's

1 1 4 464

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.2.pl

5 6 9 10 NA's

1 3 1 1 464

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.2.pl

a192 a198 a23b a32n NA's

2 2 1 1 464

```

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.2.pl
  a   d   h NA's
  4   1   1 464

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.2.qu
1.14 1.21 3.2 NA's
  1   1   4 464

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.2.sc
  23 NA's
  6 464

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.2.vo
  6.7 40 NA's
  2   4 464

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.2.ye
2011 2012 2013 NA's
  4   1   1 464

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.3.bo
tcga-er-a19t-10a-01d-a19a-08 tcga-er-a2nf-10a-01d-a19a-08
                                1                                1
tcga-fw-a3r5-11a-11d-a23d-05 tcga-gn-a4u8-11a-11d-a32s-05
                                1                                1
                                NA's
                                466

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.3.bo
03a157fc-7ee6-44ef-87d8-f70ad334cfd9 e694c1a2-86f0-43d0-95cc-4cfaf0b04060
                                1                                1
f0d22e58-5486-47c4-a316-e974e2bcbae6 fd5802ca-8780-4151-aca0-f3bd82297133
                                1                                1
                                NA's
                                466

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.3.bo
case matched methylation control                                NA's
                                1                                469

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.3.bi
118957444 118957452 132268741 153879701 NA's
                                1           1           1           1           466

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.3.ce
  5   8 NA's
  2   2 466

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.3.co
0.08 0.09 0.16 0.17 NA's
  1   1   1   1 466

```

```

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.3.da
  25  31 NA's
  3   1  466

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.3.is
no NA's
  4  466

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.3.mo
  7   9  10 NA's
  1   1   2  466

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.3.pl
  6   9  10 NA's
  2   1   1  466

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.3.pl
a19a a23d a32s NA's
  2   1   1  466

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.3.pl
a   d   h NA's
  2   1   1  466

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.3.qu
2.08 2.21  3.2  3.6 NA's
  1   1   1   1  466

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.3.sc
23 NA's
  4  466

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.3.vo
 13  40 NA's
  2   2  466

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.3.ye
2011 2012 2013 NA's
  2   1   1  466

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.bios
      Min.    1st Qu.    Median    Mean    3rd Qu.    Max.    NA's
118958778 118960230 118966126 126998455 128937543 153880085    464

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.cent
  1   2 NA's
  4   2  464

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.conc
0.16 0.17 0.18 NA's

```

```

3      2      1  464

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.day_
25    31 NA's
5      1  464

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.is_d
no NA's
6    464

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.mont
7      9    10 NA's
1      1      4  464

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.plat
5      6      9    10 NA's
1      3      1      1  464

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.plat
a18z a195 a238 a32m NA's
2      2      1      1  464

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.plat
a      d      h NA's
4      1      1  464

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.quant
1.07 1.14 1.7 1.8 NA's
3      1      1      1  464

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.sour
23 NA's
6    464

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.volun
6.7    10 NA's
4      2  464

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.year
2011 2012 2013 NA's
4      1      1  464

patient.samples.sample.3.portions.portion.analytes.analyte.analyte_type:
dna NA's
6    464

patient.samples.sample.3.portions.portion.analytes.analyte.analyte_type_id:
d NA's
6    464

```


4 2 464

patient.samples.sample.3.portions.portion.portion_sequence:

1 NA's
6 464

patient.samples.sample.3.portions.portion.slides.slide.bcr_slide_barcode:

tcga-fw-a3r5-11a-01-ts1 tcga-gn-a4u8-11a-01-tsa NA's
1 1 468

patient.samples.sample.3.portions.portion.slides.slide.bcr_slide_uuid:

1819e2f3-2a33-4dee-a218-efa64bdb8018 dac058b9-0bc2-45d5-b806-4684bd66af91
1 1
NA's
468

patient.samples.sample.3.portions.portion.slides.slide.image_file_name:

tcga-fw-a3r5-11a-01-ts1.1819e2f3-2a33-4dee-a218-efa64bdb8018.svs
1
tcga-gn-a4u8-11a-01-tsa.dac058b9-0bc2-45d5-b806-4684bd66af91.svs
1
NA's
468

patient.samples.sample.3.portions.portion.slides.slide.is_derived_from_ffpe:

no NA's
2 468

patient.samples.sample.3.portions.portion.slides.slide.percent_lymphocyte_infiltration:

0 NA's
2 468

patient.samples.sample.3.portions.portion.slides.slide.percent_monocyte_infiltration:

0 NA's
2 468

patient.samples.sample.3.portions.portion.slides.slide.percent_necrosis:

0 NA's
2 468

patient.samples.sample.3.portions.portion.slides.slide.percent_neutrophil_infiltration:

0 NA's
2 468

patient.samples.sample.3.portions.portion.slides.slide.percent_normal_cells:

100 NA's
2 468

patient.samples.sample.3.portions.portion.slides.slide.percent_stromal_cells:

0 NA's
2 468

```

patient.samples.sample.3.portions.portion.slides.slide.percent_tumor_cells:
  0 NA's
  2 468

patient.samples.sample.3.portions.portion.slides.slide.percent_tumor_nuclei:
  0 NA's
  2 468

patient.samples.sample.3.portions.portion.slides.slide.section_location:
  top NA's
  2 468

patient.samples.sample.3.portions.portion.weight:
  30 2000 NA's
  2 2 466

patient.samples.sample.3.portions.portion.year_of_creation:
  2011 2012 NA's
  4 2 464

patient.samples.sample.3.sample_type:
  blood derived normal solid tissue normal NA's
                                     4 2 464

patient.samples.sample.3.sample_type_id:
  10 11 NA's
  4 2 464

patient.samples.sample.3.vial_number:
  a NA's
  6 464

patient.samples.sample.days_to_collection:
  Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
    9 240 1381 2102 3177 11991 11

patient.samples.sample.diagnostic_slides.ffpe_slide_uuid.10:
  2be51074-7e23-41c0-a3ea-1a84bf812048 35f656a3-d0dd-4860-8348-3b7557821f2a
                                     1 1
  92935375-c146-4e55-b27c-70017227b5a2 NA's
                                     1 467

patient.samples.sample.diagnostic_slides.ffpe_slide_uuid.11:
  70815334-6aee-45ec-a76f-132bd19f4b33 841b85f8-b1fd-4acc-8879-8fcc1f98ffc4
                                     1 1
  c3bc9286-eb9e-4911-a310-357c133897e6 NA's
                                     1 467

patient.samples.sample.diagnostic_slides.ffpe_slide_uuid.12:

```

6e09a9e9-82d9-4d29-9e7f-14bc9c5dc105		NA's				
1		469				
patient.samples.sample.diagnostic_slides.ffpe_slide_uuid.13:						
7dd0ae3f-7305-4ca4-9a8d-118a59de2328		NA's				
1		469				
patient.samples.sample.diagnostic_slides.ffpe_slide_uuid.4:						
15bb8b97-7227-4520-b257-fcef6e4c984b	16445359-ec88-45a1-821e-093dd8e1e62c					
1		1				
7b2d0262-0d5a-4dfa-8454-cce3e2763cd7		NA's				
1		467				
patient.samples.sample.diagnostic_slides.ffpe_slide_uuid.5:						
0865819a-d6ff-4715-9b37-3b2a3462319d	350f3a9c-29b0-42d6-808f-ec671d923b8d					
1		1				
84ccda65-9dc1-4235-900c-f3b54a39a9d7		NA's				
1		467				
patient.samples.sample.diagnostic_slides.ffpe_slide_uuid.6:						
06f2fbb4-52c0-42c2-a497-3f65eeafe5be	7f36f443-cadb-4146-8b26-82e60dc88e55					
1		1				
c13cb8ed-cd54-4a07-aac1-845d7a31cd8b		NA's				
1		467				
patient.samples.sample.diagnostic_slides.ffpe_slide_uuid.7:						
6c842fea-2df8-4467-984e-c317fe537fc3	7a4fb831-e03e-43b3-9cd9-8441682f146c					
1		1				
8f583629-bb0d-46ad-97a7-42c7e871760e		NA's				
1		467				
patient.samples.sample.diagnostic_slides.ffpe_slide_uuid.8:						
0e6095a7-836e-454f-bb2e-94bab7c7eb4f	16e6e720-aaab-4eb0-9196-ef25cbd71da9					
1		1				
78d26246-c824-450a-b055-bdc9bbc38d2b		NA's				
1		467				
patient.samples.sample.diagnostic_slides.ffpe_slide_uuid.9:						
4dab37e0-79fb-4b8b-ba51-3441a2129f2c	b7cc8dff-cb1a-4a9d-a9dc-b1723d90fe7b					
1		1				
da2d6ddc-7312-47a8-8aea-e666684e8c69		NA's				
1		467				
patient.samples.sample.initial_weight:						
Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
10.0	90.0	160.0	246.3	320.0	1800.0	8
patient.samples.sample.is_ffpe:						
no						
470						


```
patient.samples.sample.oct_embedded:  
false true  
97 373
```

```
patient.samples.sample.portions.portion.analytes.analyte.2.a260_a280_ratio:  
Min. 1st Qu. Median Mean 3rd Qu. Max.  
1.550 1.810 1.840 1.837 1.870 2.100
```

```
patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.2.bi  
Min. 1st Qu. Median Mean 3rd Qu. Max.  
113385717 118955320 122849632 133823610 153878041 167788990
```

```
patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.2.ce  
7 13  
144 326
```

```
patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.2.co  
Min. 1st Qu. Median Mean 3rd Qu. Max.  
0.1100 0.1600 0.1700 0.1667 0.1800 0.1800
```

```
patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.2.da  
Min. 1st Qu. Median Mean 3rd Qu. Max.  
5.00 25.00 25.00 24.11 26.00 31.00
```

```
patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.2.is  
no  
470
```

```
patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.2.mo  
Min. 1st Qu. Median Mean 3rd Qu. Max.  
1.000 3.000 10.000 7.026 10.000 12.000
```

```
patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.2.pl  
Min. 1st Qu. Median Mean 3rd Qu. Max.  
1.000 2.000 5.000 5.447 9.000 12.000
```

```
patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.2.qu  
Min. 1st Qu. Median Mean 3rd Qu. Max.  
1.950 2.340 3.200 2.973 3.400 3.600
```

```
patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.2.so  
23  
470
```

```
patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.2.vo
```

13 20
144 326

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.2.ye
2011 2012 2013 2014
218 69 98 85

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.3.bi
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
164082148 164082173 164082197 164082197 164082220 164082234 453

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.3.ce
13 NA's
17 453

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.3.co
0.16 0.17 0.18 NA's
4 8 5 453

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.3.da
29 NA's
17 453

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.3.is
no NA's
17 453

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.3.mo
1 NA's
17 453

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.3.pl
5 6 8 9 NA's
7 6 2 2 453

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.3.pl
a360 NA's
17 453

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.3.qu
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
2.080 2.210 3.960 3.477 4.190 4.190 453

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.3.so
23 NA's
17 453

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.3.vo
13 23.3 NA's

5 12 453

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.3.ye
2014 NA's
17 453

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.bios
Min. 1st Qu. Median Mean 3rd Qu. Max.
113386745 118954741 122850180 133824316 153878492 167812030

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.cent
7 13
326 144

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.conc
Min. 1st Qu. Median Mean 3rd Qu. Max.
0.1100 0.1600 0.1700 0.1667 0.1800 0.1800

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.day_
Min. 1st Qu. Median Mean 3rd Qu. Max.
5.00 25.00 25.00 24.06 26.00 30.00

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.is_d
no
470

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.mont
Min. 1st Qu. Median Mean 3rd Qu. Max.
1.000 3.000 10.000 7.026 10.000 12.000

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.plat
Min. 1st Qu. Median Mean 3rd Qu. Max.
1.000 2.000 5.000 5.447 9.000 12.000

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.quant
Min. 1st Qu. Median Mean 3rd Qu. Max.
1.430 2.080 2.210 2.527 3.200 3.600

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.sour
23
470

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.volu
13 20
326 144

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.year
2011 2012 2013 2014

218 69 98 85

patient.samples.sample.portions.portion.analytes.analyte.2.analyte_type:
rna
470

patient.samples.sample.portions.portion.analytes.analyte.2.analyte_type_id:
r
470

patient.samples.sample.portions.portion.analytes.analyte.2.concentration:
Min. 1st Qu. Median Mean 3rd Qu. Max.
0.1100 0.1600 0.1700 0.1667 0.1800 0.1800

patient.samples.sample.portions.portion.analytes.analyte.2.gel_image_file:
<https://sharedoc.nchri.org/tcga-bcr/default.aspx>
470

patient.samples.sample.portions.portion.analytes.analyte.2.is_derived_from_ffpe:
no
470

patient.samples.sample.portions.portion.analytes.analyte.2.protocols.protocol.ex
nrna - melanoma protocol
470

patient.samples.sample.portions.portion.analytes.analyte.2.rna.ratio_28s_18s:
Min. 1st Qu. Median Mean 3rd Qu. Max.
0.490 1.300 1.500 1.551 1.760 3.300

patient.samples.sample.portions.portion.analytes.analyte.2.rna.rinvalue:
Min. 1st Qu. Median Mean 3rd Qu. Max.
7.000 7.800 8.400 8.373 9.000 9.800

patient.samples.sample.portions.portion.analytes.analyte.2.spectrophotometer_met
uv spec
470

patient.samples.sample.portions.portion.analytes.analyte.2.subportion_sequence:
1 2 3 NA's
386 66 2 16

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.bios
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
113390400 122847066 122847854 135522306 153889293 175154493 12

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.cent
8 NA's

458 12

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.conc
0.5 NA's

458 12

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.day_
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
8.00 8.00 18.00 16.24 18.00 29.00 12

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.is_d
no NA's

458 12

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.mont
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
1.000 1.000 1.000 3.443 7.000 10.000 12

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.plat
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
1.000 3.000 4.000 5.002 7.000 12.000 12

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.quant
40 NA's

458 12

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.sour
23 NA's

458 12

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.vol
80 NA's

458 12

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.year
2012 2013 2014 NA's

272 84 102 12

patient.samples.sample.portions.portion.analytes.analyte.3.analyte_type:
repli-g (qiagen) dna NA's

458 12

patient.samples.sample.portions.portion.analytes.analyte.3.analyte_type_id:
w NA's

458 12

patient.samples.sample.portions.portion.analytes.analyte.3.dna.normal_tumor_gen
yes NA's

458 12

patient.samples.sample.portions.portion.analytes.analyte.3.dna.pcr_amplification
yes NA's

458 12

patient.samples.sample.portions.portion.analytes.analyte.3.gel_image_file:
<https://sharedoc.nchri.org/tcga-bcr/default.aspx>

458

NA's

12

patient.samples.sample.portions.portion.analytes.analyte.3.is_derived_from_ffpe:
no NA's

458 12

patient.samples.sample.portions.portion.analytes.analyte.3.protocols.protocol.ex
repli-g NA's

458 12

patient.samples.sample.portions.portion.analytes.analyte.3.subportion_sequence:

1	2	3	NA's
378	62	2	28

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.2.bios
Min. 1st Qu. Median Mean 3rd Qu. Max.

113388511 118966066 122850124 134364529 153879819 167823444

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.2.cent
1 8

147 323

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.2.conc
Min. 1st Qu. Median Mean 3rd Qu. Max.

0.0700 0.0800 0.0800 0.1044 0.1500 0.1800

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.2.day_
Min. 1st Qu. Median Mean 3rd Qu. Max.

5.00 25.00 25.00 23.84 26.00 31.00

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.2.is_d
no

470

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.2.mont
Min. 1st Qu. Median Mean 3rd Qu. Max.

1.000 2.000 9.000 6.745 10.000 12.000

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.2.plat
Min. 1st Qu. Median Mean 3rd Qu. Max.

1.000 3.000 4.000 4.949 7.000 12.000

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.2.quant
 Min. 1st Qu. Median Mean 3rd Qu. Max.
 0.940 1.140 3.200 2.498 3.200 3.600

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.2.sour
 23
 470

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.2.vol
 6.7 40
 147 323

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.2.year
 2011 2012 2013 2014
 218 69 86 97

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.3.bios
 Min. 1st Qu. Median Mean 3rd Qu. Max.
 113385697 118965330 122850230 134233215 153878295 167823357

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.3.cent
 5 8
 351 119

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.3.conc
 Min. 1st Qu. Median Mean 3rd Qu. Max.
 0.0700 0.0900 0.1500 0.1385 0.1600 0.1800

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.3.day_
 Min. 1st Qu. Median Mean 3rd Qu. Max.
 5.00 25.00 25.00 24.11 26.00 31.00

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.3.is_d
 no
 470

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.3.mont
 Min. 1st Qu. Median Mean 3rd Qu. Max.
 1.000 3.000 10.000 7.026 10.000 12.000

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.3.plat
 Min. 1st Qu. Median Mean 3rd Qu. Max.
 1.000 3.000 4.000 4.949 7.000 12.000

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.3.quant
 Min. 1st Qu. Median Mean 3rd Qu. Max.
 1.690 1.950 2.080 2.354 2.800 3.600

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.3.sour
 23
 470

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.3.vol
 13 40
 351 119

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.3.yea
 2011 2012 2013 2014
 218 69 98 85

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.4.bios
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 118953065 118958060 118959262 137203228 167779851 167780152 280

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.4.cent
 5 8 NA's
 119 71 280

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.4.conc
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 0.0700 0.0800 0.1500 0.1313 0.1600 0.1800 280

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.4.day_
 25 30 NA's
 119 71 280

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.4.is_d
 no NA's
 190 280

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.4.mont
 4 10 NA's
 71 119 280

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.4.plat
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 1.000 2.000 4.000 5.221 8.000 12.000 280

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.4.quant
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 0.940 1.070 1.950 1.718 2.080 2.340 280

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.4.sour
 23 NA's
 190 280

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.4.vol
 13 13.4 NA's
 119 71 280

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.4.year
 2011 2014 NA's
 119 71 280

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.5.bios

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
167779779	167779813	167779856	167779904	167780016	167780063	397

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.5.cent
 8 NA's
 73 397

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.5.conc
 0.07 0.08 0.09 NA's
 8 50 15 397

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.5.day_
 30 NA's
 73 397

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.5.is_d
 no NA's
 73 397

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.5.mont
 4 NA's
 73 397

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.5.plat

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1.000	4.000	8.000	6.849	10.000	11.000	397

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.5.plat
 a38q a38r NA's
 43 30 397

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.5.quan
 0.94 1.07 1.21 NA's
 8 50 15 397

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.5.sour

23 NA's
73 397

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.5.volu
13.4 NA's
73 397

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.5.year
2014 NA's
73 397

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.6.bcr_
tcga-da-ali2-06a-21d-a46a-09 tcga-fs-alzk-06a-11d-a46a-09
1 1
NA's
468

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.6.bcr_
538813e2-26d8-43bb-9695-8a73a360b15d 8a82b1e3-b674-4eef-87d7-3e006c9eb681
1 1
NA's
468

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.6.bios
167811748 167811772 NA's
1 1 468

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.6.cent
9 NA's
2 468

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.6.conc
0.08 0.09 NA's
1 1 468

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.6.day_
21 NA's
2 468

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.6.is_d
no NA's
2 468

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.6.mont
1 NA's
2 468

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.6.plat
5 NA's
2 468

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.6.plat

a46a NA's
2 468

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.6.plat
f h NA's
1 1 468

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.6.quan
1.07 1.21 NA's
1 1 468

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.6.sour
23 NA's
2 468

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.6.vol
13.4 NA's
2 468

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.6.year
2015 NA's
2 468

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.biospe
Min. 1st Qu. Median Mean 3rd Qu. Max.
118957484 118967666 122849356 134377143 153879916 167823453

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.center
1 2 8
323 119 28

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.concen
Min. 1st Qu. Median Mean 3rd Qu. Max.
0.0700 0.1500 0.1600 0.1545 0.1700 0.1800

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.day_of
Min. 1st Qu. Median Mean 3rd Qu. Max.
5.00 25.00 25.00 23.84 26.00 31.00

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.is_der
no
470

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.month_
Min. 1st Qu. Median Mean 3rd Qu. Max.
1.000 2.000 9.000 6.745 10.000 12.000

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.plate_
Min. 1st Qu. Median Mean 3rd Qu. Max.
1.000 3.000 4.000 4.949 7.000 12.000

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.quantit
 Min. 1st Qu. Median Mean 3rd Qu. Max.
 0.870 1.010 1.070 1.329 1.600 3.600

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.source
 23
 470

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.volume
 6.7 10 40
 323 119 28

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.year_o
 2011 2012 2013 2014
 218 69 86 97

patient.samples.sample.portions.portion.analytes.analyte.analyte_type:
 dna
 470

patient.samples.sample.portions.portion.analytes.analyte.analyte_type_id:
 d
 470

patient.samples.sample.portions.portion.analytes.analyte.concentration:
 Min. 1st Qu. Median Mean 3rd Qu. Max.
 0.1300 0.1500 0.1600 0.1591 0.1700 0.1800

patient.samples.sample.portions.portion.analytes.analyte.dna.normal_tumor_genoty
 yes
 470

patient.samples.sample.portions.portion.analytes.analyte.dna.pcr_amplification_s
 yes
 470

patient.samples.sample.portions.portion.analytes.analyte.gel_image_file:
<https://sharedoc.nchri.org/tcga-bcr/default.aspx>
 470

patient.samples.sample.portions.portion.analytes.analyte.is_derived_from_ffpe:
 no
 470

patient.samples.sample.portions.portion.analytes.analyte.protocols.protocol.expe
 adna preparation type
 470

patient.samples.sample.portions.portion.analytes.analyte.spectrophotometer_method:
picogreen

470

patient.samples.sample.portions.portion.analytes.analyte.subportion_sequence:

1	2	3	NA's
386	66	2	16

patient.samples.sample.portions.portion.day_of_creation:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.
1.00	6.00	15.50	15.57	25.00	31.00

patient.samples.sample.portions.portion.is_ffpe:

no
470

patient.samples.sample.portions.portion.month_of_creation:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.
1.00	6.00	8.00	7.67	10.00	12.00

patient.samples.sample.portions.portion.portion_number:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.
11.0	11.0	11.0	12.6	11.0	61.0

patient.samples.sample.portions.portion.portion_sequence:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1.00	1.00	1.00	1.16	1.00	6.00	58

patient.samples.sample.portions.portion.slides.slide.is_derived_from_ffpe:

no
470

patient.samples.sample.portions.portion.slides.slide.percent_lymphocyte_infiltration:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.
0.000	0.000	1.000	2.551	3.000	90.000

patient.samples.sample.portions.portion.slides.slide.percent_monocyte_infiltration:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.
0.0000	0.0000	0.0000	0.4872	0.7500	20.0000

patient.samples.sample.portions.portion.slides.slide.percent_necrosis:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.
0.000	0.000	0.000	1.855	1.000	20.000

patient.samples.sample.portions.portion.slides.slide.percent_neutrophil_infiltration:

0	1	2	3

420 39 6 5

patient.samples.sample.portions.portion.slides.slide.percent_normal_cells:
 Min. 1st Qu. Median Mean 3rd Qu. Max.
 0.000 0.000 0.000 2.545 0.000 65.000

patient.samples.sample.portions.portion.slides.slide.percent_stromal_cells:
 Min. 1st Qu. Median Mean 3rd Qu. Max.
 0.000 0.000 2.500 8.311 15.000 65.000

patient.samples.sample.portions.portion.slides.slide.percent_tumor_cells:
 Min. 1st Qu. Median Mean 3rd Qu. Max.
 30.00 80.00 90.00 87.29 100.00 100.00

patient.samples.sample.portions.portion.slides.slide.percent_tumor_nuclei:
 Min. 1st Qu. Median Mean 3rd Qu. Max.
 60.00 80.00 85.00 84.43 90.00 99.00

patient.samples.sample.portions.portion.slides.slide.section_location:
 top
 470

patient.samples.sample.portions.portion.weight:
 10 20 30
 14 30 426

patient.samples.sample.portions.portion.year_of_creation:
 2011 2012 2013 2014
 247 79 94 50

patient.samples.sample.portions.shipment_portion.center_id:
 20 NA's
 352 118

patient.samples.sample.portions.shipment_portion.is_ffpe:
 no NA's
 352 118

patient.samples.sample.portions.shipment_portion.portion_number:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 11.00 21.00 21.00 21.66 21.00 51.00 118

patient.samples.sample.portions.shipment_portion.portion_sequence:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 1.000 2.000 2.000 2.059 2.000 5.000 164

patient.samples.sample.portions.shipment_portion.shipment_portion_day_of_shipmen
 14 24 30 NA's
 42 148 162 118

```

patient.samples.sample.portions.shipment_portion.shipment_portion_month_of_shipme
  1   6  11 NA's
162 148  42 118

```

```

patient.samples.sample.portions.shipment_portion.shipment_portion_year_of_shipme
2012 2014 NA's
 204 148 118

```

```

patient.samples.sample.sample_type:
  metastatic primary tumor
           366           104

```

```

patient.samples.sample.sample_type_id:
  1   6
104 366

```

```

patient.samples.sample.tissue_type:
tumor NA's
  1   469

```

```

patient.samples.sample.tumor_descriptor:
metastatic      NA's
           1      469

```

```

patient.samples.sample.vial_number:
  a   b
468  2

```

```

patient.omfs.omf.2.day_of_form_completion:
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.    NA's
  8.00  13.75   23.50   19.67  25.00   27.00   464

```

```

patient.omfs.omf.2.days_to_other_malignancy_dx:
-2070    46 NA's
  1     1  468

```

```

patient.omfs.omf.2.drug_tx.administered_drug.drug_name:
bacillus calmette-guerin      NA's
                             1      469

```

```

patient.omfs.omf.2.drug_tx.days_to_drug_therapy_start:
-2070 NA's
  1   469

```

```

patient.omfs.omf.2.drug_tx.drug_tx_extent:
locoregional      NA's
                 1      469

```

```

patient.omfs.omf.2.drug_tx.drug_tx_indicator:

```

```

no yes NA's
5 1 464

patient.omfs.omf.2.malignancy_type:
  prior malignancy synchronous malignancy NA's
                    5 1 464

patient.omfs.omf.2.month_of_form_completion:
  Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
4.000 5.250 7.500 7.667 9.750 12.000 464

patient.omfs.omf.2.other_malignancy_anatomic_site_text:
nose, skin NA's
1 469

patient.omfs.omf.2.other_malignancy_histological_type:
  basaloid squamous cell
  1
  other, specify
  2
squamous cell carcinoma, not otherwise specified
  2
  NA's
  465

patient.omfs.omf.2.other_malignancy_histological_type_text:
basal cell carcinoma fibrosarcoma NA's
1 1 468

patient.omfs.omf.2.other_malignancy_laterality:
left right NA's
2 2 466

patient.omfs.omf.2.radiation_tx.radiation_tx_indicator:
no NA's
6 464

patient.omfs.omf.2.surgery.days_to_surgical_resection:
46 NA's
1 469

patient.omfs.omf.2.surgery.surgery_indicator:
no yes NA's
2 1 467

patient.omfs.omf.2.surgery.surgery_type:
excision NA's
1 469

patient.omfs.omf.2.year_of_form_completion:
2011 2013 2014 NA's

```


3 1 2 464

patient.omfs.omf.3.bcr_omf_barcode:
 tcga-d3-a3ml-o19484 NA's
 1 469

patient.omfs.omf.3.bcr_omf_uuid:
 c4e381e0-58e3-4bc9-92eb-7a51f814b2ea NA's
 1 469

patient.omfs.omf.3.day_of_form_completion:
 8 NA's
 1 469

patient.omfs.omf.3.drug_tx.drug_tx_indicator:
 no NA's
 1 469

patient.omfs.omf.3.malignancy_type:
 prior malignancy NA's
 1 469

patient.omfs.omf.3.month_of_form_completion:
 12 NA's
 1 469

patient.omfs.omf.3.other_malignancy_anatomic_site:
 other NA's
 1 469

patient.omfs.omf.3.other_malignancy_anatomic_site_text:
 face & trunk NA's
 1 469

patient.omfs.omf.3.other_malignancy_histological_type:
 other, specify NA's
 1 469

patient.omfs.omf.3.other_malignancy_histological_type_text:
 basal cell carcinoma NA's
 1 469

patient.omfs.omf.3.radiation_tx.radiation_tx_indicator:
 no NA's
 1 469

patient.omfs.omf.3.year_of_form_completion:
 2011 NA's
 1 469

```

patient.omfs.omf.day_of_form_completion:
  Min. 1st Qu.  Median    Mean 3rd Qu.  Max.   NA's
  2.0   13.0   22.0   19.5   24.5   31.0   444

patient.omfs.omf.days_to_other_malignancy_dx:
  Min. 1st Qu.  Median    Mean 3rd Qu.  Max.   NA's
-2802.00 -699.00    0.00  -84.22   49.00  4667.00   461

patient.omfs.omf.drug_tx.drug_tx_indicator:
  no NA's
  25  445

patient.omfs.omf.malignancy_type:
  prior malignancy synchronous malignancy           NA's
                20                               6           444

patient.omfs.omf.month_of_form_completion:
  Min. 1st Qu.  Median    Mean 3rd Qu.  Max.   NA's
  1.000   5.000   7.000   6.923   9.750  12.000   444

patient.omfs.omf.omf_staging.pathologic_categories.pathologic_m:
  m0 NA's
  3  467

patient.omfs.omf.omf_staging.pathologic_categories.pathologic_n:
  n0 NA's
  3  467

patient.omfs.omf.omf_staging.pathologic_categories.pathologic_t:
  t1      t1b      tis tis (dcis)      NA's
  1      1      1      1      466

patient.omfs.omf.omf_staging.pathologic_stage:
  stage 0 stage i stage ib      NA's
  1      1      1      467

patient.omfs.omf.omf_staging.system_version:
  6th 7th NA's
  2   2  466

patient.omfs.omf.other_malignancy_anatomic_site_text:
  skin of chest      skin, nos      soft tissue      NA's
                1      1      2      466

patient.omfs.omf.other_malignancy_laterality:
  left right NA's
  6      4  460

patient.omfs.omf.radiation_tx.days_to_radiation_therapy_start:

```

-2800 NA's
1 469

patient.omfs.omf.radiation_tx.rad_tx_to_site_of_primary_tumor:
no NA's
4 466

patient.omfs.omf.radiation_tx.radiation_tx_extent:
locoregional NA's
3 467

patient.omfs.omf.radiation_tx.radiation_tx_indicator:
no yes NA's
22 3 445

patient.omfs.omf.surgery.days_to_surgical_resection:
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
-1570 5 89 1243 1728 9021 455

patient.omfs.omf.surgery.surgery_indicator:
no yes NA's
3 10 457

patient.omfs.omf.year_of_form_completion:
2011 2012 2013 2014 NA's
8 7 6 5 444

patient.normal_controls.normal_control.2.bcr_sample_uuid:
27a799c5-81f1-49f0-ba1f-3a3369a198fa 5dc9af4d-a8b0-4d3d-b202-78c7404cac01
1 1
a11876aa-8b69-4335-99e1-8057bf969f75 NA's
1 467

patient.normal_controls.normal_control.2.days_to_normal_sample_procurement:
21 675 1132 NA's
1 1 1 467

patient.normal_controls.normal_control.2.method_of_normal_sample_procurement:
blood draw excisional biopsy NA's
2 1 467

patient.normal_controls.normal_control.2.ncedna_dna_conc:
0.434 0.551 NA's
1 1 468

patient.normal_controls.normal_control.2.ncedna_dna_qm:
cdrop nanodrop NA's
1 1 468

patient.normal_controls.normal_control.2.ncedna_dna_qty:
15 18.2 NA's

1 1 468

patient.normal_controls.normal_control.2.ncedna_dna_vol:

33 34.6 NA's

1 1 468

patient.normal_controls.normal_control.2.normal_control_locations.normal_control_locations.other NA's

2 468

patient.normal_controls.normal_control.2.normal_control_locations.normal_control_locations.blood partotid NA's

1 1 468

patient.normal_controls.normal_control.2.normal_sample_site_proximity_to_tumor:

distal (>2cm) NA's

1 469

patient.normal_controls.normal_control.days_to_normal_sample_procurement:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
-455	13	281	1042	1302	10837	13

patient.normal_controls.normal_control.method_of_normal_sample_procurement:

blood draw	excisional biopsy	surgical resection	NA's
463	1	1	5

patient.normal_controls.normal_control.ncedna_dna_conc:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0.0210	0.0800	0.1230	0.5608	0.2792	76.0000	270

patient.normal_controls.normal_control.ncedna_dna_qty:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
9.00	16.00	20.00	20.43	25.00	50.82	270

patient.normal_controls.normal_control.ncedna_dna_vol:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
39.5	60.0	160.0	204.5	300.0	600.0	270

patient.normal_controls.normal_control.normal_control_locations.normal_control_locations.other skin NA's

2 1 467

patient.normal_controls.normal_control.normal_control_locations.normal_control_locations.axillary ln blood NA's

1 1 468

patient.normal_controls.normal_control.normal_sample_site_proximity_to_tumor:

distal (>2cm) NA's

2 468

```

patient.tumor_samples.tumor_sample.2.bcr_sample_uuid:
0a09ec89-6674-448c-999e-212bf3f9c844 11e2f891-251a-4813-aa90-e944f350c54d
                                     1                                     1
20ecf8d6-2ca9-4c8a-b6ce-8b2a3ba51ae3                                     NA's
                                     1                                     467

```

```

patient.tumor_samples.tumor_sample.2.consent_or_death_status:
consented      NA's
                3      467

```

```

patient.tumor_samples.tumor_sample.2.country:
united states  NA's
                3      467

```

```

patient.tumor_samples.tumor_sample.2.days_to_consent:
15  21  27 NA's
  1   1   1 467

```

```

patient.tumor_samples.tumor_sample.2.days_to_pathology_review:
232 1587 1752 NA's
  1   1   1 467

```

```

patient.tumor_samples.tumor_sample.2.days_to_sample_procurement:
70  100 1395 NA's
  1   1   1 467

```

```

patient.tumor_samples.tumor_sample.2.digital_image_submitted:
no NA's
  3  467

```

```

patient.tumor_samples.tumor_sample.2.ffpe_tumor_slide_submitted:
slide NA's
  2  468

```

```

patient.tumor_samples.tumor_sample.2.history_of_neoadjuvant_treatment:
no NA's
  2  468

```

```

patient.tumor_samples.tumor_sample.2.method_of_sample_procurement:
other method, specify  surgical resection  NA's
                       1                   2      467

```

```

patient.tumor_samples.tumor_sample.2.other_dx:
no NA's
  3  467

```

```

patient.tumor_samples.tumor_sample.2.other_vessel_used:
biospecimen storage bag  NA's
                        2  468

```

```

patient.tumor_samples.tumor_sample.2.path_confirm_diagnosis_matching:
yes NA's

```

3 467

patient.tumor_samples.tumor_sample.2.path_confirm_report_attached:

yes NA's

3 467

patient.tumor_samples.tumor_sample.2.path_confirm_tumor_necrosis_metrics:

yes NA's

3 467

patient.tumor_samples.tumor_sample.2.path_confirm_tumor_nuclei_metrics:

yes NA's

3 467

patient.tumor_samples.tumor_sample.2.sample_prescreened:

yes NA's

3 467

patient.tumor_samples.tumor_sample.2.top_slide_submitted:

yes NA's

3 467

patient.tumor_samples.tumor_sample.2.tumor_histologies.tumor_histology.2.histology

melanoma NA's

2 468

patient.tumor_samples.tumor_sample.2.tumor_histologies.tumor_histology.histology

melanoma NA's

3 467

patient.tumor_samples.tumor_sample.2.tumor_locations.tumor_location.2.site_of_disease

lymph node(s) regional NA's

2 468

patient.tumor_samples.tumor_sample.2.tumor_locations.tumor_location.site_of_disease

lymph node(s) regional skin NA's

1 2 467

patient.tumor_samples.tumor_sample.2.tumor_necrosis_percent:

5 15 NA's

2 1 467

patient.tumor_samples.tumor_sample.2.tumor_nuclei_percent:

70 80 NA's

1 2 467

patient.tumor_samples.tumor_sample.2.tumor_weight:

150 230 300 NA's

1 1 1 467

patient.tumor_samples.tumor_sample.2.vessel_used:

cryomold other NA's

1 2 467

patient.tumor_samples.tumor_sample.consent_or_death_status:

consented	deceased	exemption	4	waiver	NA's
389	57	18		5	1

patient.tumor_samples.tumor_sample.days_to_consent:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
-226.00	7.25	100.50	909.36	1172.50	10837.00	88

patient.tumor_samples.tumor_sample.days_to_pathology_review:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0	215	1329	2042	2972	11724	11

patient.tumor_samples.tumor_sample.days_to_sample_procurement:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
-25.00	22.25	344.00	1025.69	1372.00	10847.00	8

patient.tumor_samples.tumor_sample.digital_image_submitted:

no	yes
447	23

patient.tumor_samples.tumor_sample.ffpe_tumor_slide_submitted:

digital image	slide	NA's
41	215	214

patient.tumor_samples.tumor_sample.history_of_neoadjuvant_treatment:

no
409
yes, pharmaceutical treatment prior to resection
19
NA's
42

patient.tumor_samples.tumor_sample.method_of_sample_procurement:

excisional biopsy	other method, specify	surgical resection
41	9	420

patient.tumor_samples.tumor_sample.other_dx:

no
446
yes, history of prior malignancy
18
yes, history of synchronous/bilateral malignancy
4
NA's
2

patient.tumor_samples.tumor_sample.path_confirm_diagnosis_matching:

```

no yes
1 469

patient.tumor_samples.tumor_sample.path_confirm_report_attached:
no yes
36 434

patient.tumor_samples.tumor_sample.path_confirm_tumor_necrosis_metrics:
yes
470

patient.tumor_samples.tumor_sample.path_confirm_tumor_nuclei_metrics:
yes
470

patient.tumor_samples.tumor_sample.sample_prescreened:
yes
470

patient.tumor_samples.tumor_sample.submitted_for_lce:
no yes NA's
213 26 231

patient.tumor_samples.tumor_sample.top_slide_submitted:
no yes
28 442

patient.tumor_samples.tumor_sample.tumor_histologies.tumor_histology.2.histologi
melanoma NA's
2 468

patient.tumor_samples.tumor_sample.tumor_histologies.tumor_histology.histologica
melanoma
470

patient.tumor_samples.tumor_sample.tumor_locations.tumor_location.2.site_of_disea
lymph node(s) regional NA's
2 468

patient.tumor_samples.tumor_sample.tumor_locations.tumor_location.site_of_diseas
cutaneous or subcutaneous tissue; regional
76
lymph node(s) regional
223
metastasis; distant
68
skin
103

patient.tumor_samples.tumor_sample.tumor_necrosis_percent:
Min. 1st Qu. Median Mean 3rd Qu. Max.
0.000 0.000 0.000 4.483 6.500 30.000

```


patient.tumor_samples.tumor_sample.tumor_nuclei_percent:
 Min. 1st Qu. Median Mean 3rd Qu. Max.
 20.00 75.00 85.00 81.63 90.00 100.00

patient.tumor_samples.tumor_sample.tumor_weight:
 Min. 1st Qu. Median Mean 3rd Qu. Max.
 1.0 160.0 200.0 337.9 345.2 2773.0

patient.tumor_samples.tumor_sample.vessel_used:
 cassette cryomold cryovial other
 54 118 138 160

ALL_SAMPLES:
 No Yes NA's
 2 65 403

MUTATIONSUBTYPES:
 BRAF_Hotspot_Mutants NF1_Any_Mutants RAS_Hotspot_Mutants
 32 5 11
 Triple_WT NA's
 8 414

ALL_PRIMARY_VS_METASTATIC:
 All_Primitives NA's
 67 403

REGIONAL_VS_PRIMARY:
 Primary_Disease NA's
 41 429

UV.signature:
 not UV UV signature NA's
 14 44 412

RNASEQ.CLUSTER_CONSENHIER:
 immune keratin MITF-low NA's
 12 45 6 407

MethTypes.201408:
 CpG island-methylated hyper-methylated hypo-methylated
 20 15 18
 normal-like NA's
 14 403

MIRcluster:
 MIR.type.1 MIR.type.2 MIR.type.3 MIR.type.4 NA's
 19 15 21 7 408

ProteinCluster:
 PROT.type.1 PROT.type.2 PROT.type.3 NA's
 18 10 3 439

CDKN2A.cg13601799._meth:

0	1	NA's	
53	13	404	

KIT.cg10087973._meth:

0	1	NA's	
62	4	404	

BRAF_cna:

-1	0	1	2	NA's
1	23	38	3	405

NRAS_cna:

-1	0	1	NA's
11	42	12	405

MITF_cna:

-1	0	1	2	NA's
6	48	9	2	405

KIT_cna:

-1	0	1	2	NA's
11	44	8	2	405

PDGFRA_cna:

-1	0	1	2	NA's
11	45	8	1	405

KDR_cna:

-1	0	1	2	NA's
12	44	8	1	405

MYC_cna:

-1	0	1	2	NA's
5	28	28	4	405

CCND1_cna:

-1	0	1	2	NA's
20	37	7	1	405

CDK4_cna:

-1	0	1	2	NA's
14	46	4	1	405

MDM2_cna:

-1	0	1	2	NA's
9	45	10	1	405

TERT_cna:

-1	0	1	2	NA's
----	---	---	---	------

7 39 14 5 405

EP300_cna:

-1 0 1 2 NA's
4 39 18 4 405

NOTCH2_cna:

-1 0 1 2 NA's
10 41 13 1 405

CDKN2A_cna:

-2 -1 0 NA's
17 35 13 405

PTEN_cna:

-2 -1 0 NA's
2 44 19 405

TP53_cna:

-1 0 1 NA's
23 39 3 405

PPP6C_cna:

-1 0 1 2 NA's
32 31 1 1 405

ARID2_cna:

-1 0 1 NA's
15 46 4 405

IDH1_cna:

-1 0 1 NA's
11 49 5 405

MAP2K1_cna:

-1 0 1 NA's
4 50 11 405

DDX3X_cna:

-1 0 1 NA's
18 40 7 405

RAC1_cna:

-1 0 1 2 NA's
1 29 34 1 405

NF1_cna:

-1 0 1 NA's
16 42 7 405

CASP8_cna:

-1 0 1 NA's

11 49 5 405

CTNNB1_cna:

-1 0 1 NA's
7 49 9 405

PCDHGA1_cna:

-1 0 1 NA's
24 35 6 405

SERPINB3_cna:

-1 0 1 NA's
15 37 13 405

IRF7_cna:

-1 0 1 NA's
24 36 5 405

HRAS_cna:

-1 0 1 NA's
24 36 5 405

PTPN11_cna:

-1 0 1 NA's
15 46 4 405

KRAS_cna:

-1 0 1 NA's
8 43 14 405

GNA11_cna:

-1 0 1 NA's
17 41 7 405

GNAQ_cna:

-1 0 1 NA's
36 27 2 405

AKT1_cna:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
-2.0000	-1.0000	0.0000	-0.2308	0.0000	2.0000	405

APC_cna:

-1 0 1 NA's
18 40 7 405

EZH2_cna:

-1 0 1 2 NA's
2 23 38 2 405

FBXW7_cna:

-1 0 1 2 NA's

15 44 5 1 405

GNAS_cna:

-1 0 1 2 NA's
1 37 26 1 405

PIK3CA_cna:

-1 0 1 NA's
7 51 7 405

NRAS_mut:

Q61K; Q61L; Q61R; wt NA's
2 1 6 49 412

KRAS_mut:

wt NA's
58 412

HRAS_mut:

G13S; Q61K; wt NA's
1 1 56 412

IDH1_mut:

P33S; R132C; wt NA's
1 3 54 412

GNA11_mut:

wt NA's
58 412

GNAQ_mut:

H63R; Q209P; V340L; wt NA's
1 1 1 55 412

CDK4_mut:

wt NA's
58 412

CDKN2A_mut:

E88fs; H83Y; P114L; wt NA's
1 1 1 55 412

DDX3X_mut:

D658Y; L559F; wt NA's
1 1 56 412

KIT_mut:

K642E; V559A; wt NA's
2 1 55 412

MAP2K1_mut:

P124L; P124S;		wt	NA's
1	2	55	412

PPP6C_mut:

H92Y; P296S; R301C;			wt	NA's
1	1	3	53	412

RAC1_mut:

P29S;		wt	NA's
1	57		412

RB1_mut:

A525T; K143fs; L165fs;			wt	NA's
1	1	1	55	412

TERT_MUT:

C228T C250T		WT	NA's
2	7	6	455

rnaseq_TERT.RSEM.NORM_DATA:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0.000	2.718	8.079	31.222	19.586	726.109	406

rppa_LCK.LCK.R.V:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
-0.9089	-0.4106	-0.1290	-0.0653	0.1979	0.9960	437

rppa_SYK.SYK.M.V:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
-2.5731	-0.7695	-0.3638	-0.3416	0.0048	1.4725	437

PIGMENT.SCORE:

0	1	2	3	NA's
35	21	4	7	403

NECROSIS:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0.000	0.000	0.000	5.388	0.500	70.000	403

Tumour.content.....nuceli.that.are.tumour.cells.....0.100...:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
10.00	80.00	85.00	82.51	90.00	98.00	403

LYMPHOCYTE.DISTRIBUTION:

0	1	2	3	NA's
26	17	7	17	403

LYMPHOCYTE.DENSITY:

0	1	2	3	NA's
26	23	15	3	403

LYMPHOCYTE.SCORE:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0.000	0.000	2.000	2.149	4.000	6.000	403

PURITY..ABSOLUTE.:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0.190	0.580	0.740	0.688	0.860	0.970	416

PLOIDY..ABSOLUTE.:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1.710	1.913	2.045	2.449	2.585	5.620	416

TOTAL.MUTATIONS:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
19.00	99.75	386.00	511.21	622.25	2315.00	412

UV.RATE:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0.3684	0.7584	0.8447	0.7833	0.8868	0.9251	412

CURATED_AGE_AT_INITIAL_PATHOLOGIC_DIAGNOSIS:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
24.00	53.50	63.00	61.93	73.00	90.00	427

GENDER:

FEMALE	MALE	NA's
15	29	426

CURATED_KNOWN_PRIMARY:

YES	NA's
44	426

CURATED_ULCERATION:

[ERROR]	[Not Available]	NO	YES	NA's
1	1	6	36	426

CURATED_T_STAGE_AT_DIAGNOSIS_SIMPLE:

T2	T3	T4	NA's
2	2	40	426

CURATED_M_STAGE_AT_DIAGNOSIS_COMPLEX:

[Not Available]	M0	M1b	M1c	NA's
-----------------	----	-----	-----	------

	1	41	1	1	426	
CURATED_M_STAGE_AT_DIAGNOSIS_SIMPLE:						
[Not Available]		M0	M1	NA's		
	1	41	2	426		
CURATED_TCGA_SPECIMEN_SITE:						
[Not Available]	Primary Tumor		NA's			
	1	43	426			
CURATED_DISTANT_ANATOMIC_SITE:						
[Not Available]		NA's				
	44	426				
CURATED_VITAL_STATUS:						
Alive	Dead	NA's				
37	7	426				
CURATED_MELANOMA_SPECIFIC_VITAL_STATUS..0....ALIVE.OR.CENSORED...1....DEAD.OF.ME						
0	1	NA's				
37	7	426				
CURATED_TCGA_SPECIMEN_Distant:						
Primary Tumor		NA's				
	43	427				
CC.TT.nTotal.Mut:						
Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0.0000	0.0095	0.0357	0.0374	0.0556	0.1414	412
DIPYRIM.C.T.nTotal.Mut:						
Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0.0556	0.5911	0.7471	0.6589	0.8259	0.8906	412
DIPYRIM.C.T.n.C.T..mut:						
Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0.1667	0.9287	0.9777	0.8942	0.9906	1.0000	412

STAD

*Stomach adenocarcinoma***Description**

A document describing the TCGA cancer code

Details

```

> experiments( STAD )
ExperimentList class object of length 12:
 [1] CNASeq-20160128: RaggedExperiment with 31824 rows and 214 columns
 [2] CNASNP-20160128: RaggedExperiment with 443042 rows and 906 columns
 [3] CNVSNP-20160128: RaggedExperiment with 118389 rows and 904 columns
 [4] GISTIC_AllByGene-20160128: SummarizedExperiment with 24776 rows and 441 columns
 [5] GISTIC_ThresholdedByGene-20160128: SummarizedExperiment with 24776 rows and 441 columns
 [6] Methylation_methyl27-20160128: SummarizedExperiment with 27578 rows and 73 columns
 [7] Methylation_methyl450-20160128: SummarizedExperiment with 485577 rows and 36 columns
 [8] miRNASeqGene-20160128: SummarizedExperiment with 1046 rows and 430 columns
 [9] Mutation-20160128: RaggedExperiment with 148520 rows and 289 columns
 [10] RNASeq2GeneNorm-20160128: SummarizedExperiment with 20501 rows and 450 columns
 [11] RNASeqGene-20160128: SummarizedExperiment with 26120 rows and 36 columns
 [12] RPPAArray-20160128: SummarizedExperiment with 195 rows and 357 columns

> rownames( STAD )
CharacterList of length 12
[["CNASeq-20160128"]] character(0)
[["CNASNP-20160128"]] character(0)
[["CNVSNP-20160128"]] character(0)
[["GISTIC_AllByGene-20160128"]] ACAP3 ACTRT2 ... WASIR1|ENSG00000185203.7
[["GISTIC_ThresholdedByGene-20160128"]] ACAP3 ... WASIR1|ENSG00000185203.7
[["Methylation_methyl27-20160128"]] cg00000292 cg00002426 ... cg27665659
[["Methylation_methyl450-20160128"]] cg00000029 cg00000108 ... rs9839873
[["miRNASeqGene-20160128"]] hsa-let-7a-1 hsa-let-7a-2 ... hsa-mir-99b
[["Mutation-20160128"]] character(0)
[["RNASeq2GeneNorm-20160128"]] A1BG A1CF A2BP1 A2LD1 ... ZZZ3 psiTPTE22 tAKR
...
<2 more elements>

> colnames( STAD )
CharacterList of length 12
[["CNASeq-20160128"]] TCGA-B7-5816-01A-21D-1598-02 ...
[["CNASNP-20160128"]] TCGA-3M-AB46-01A-11D-A40Z-01 ...
[["CNVSNP-20160128"]] TCGA-3M-AB46-01A-11D-A40Z-01 ...
[["GISTIC_AllByGene-20160128"]] TCGA-3M-AB46-01A-11D-A40Z-01 ...
[["GISTIC_ThresholdedByGene-20160128"]] TCGA-3M-AB46-01A-11D-A40Z-01 ...
[["Methylation_methyl27-20160128"]] TCGA-BR-4183-11A-01D-1129-05 ...
[["Methylation_methyl450-20160128"]] TCGA-3M-AB46-01A-11D-A411-05 ...
[["miRNASeqGene-20160128"]] TCGA-3M-AB46-01A-11R-A415-13 ...
[["Mutation-20160128"]] TCGA-B7-5816-01A-21D-1600-08 ...
[["RNASeq2GeneNorm-20160128"]] TCGA-3M-AB46-01A-11R-A414-31 ...
...
<2 more elements>

Sizes of each ExperimentList element:

```

	assay	size.Mb
1	CNASeq-20160128	0.9 Mb
2	CNASNP-20160128	12.1 Mb
3	CNVSNP-20160128	3.4 Mb

4	GISTIC_AllByGene-20160128	4.4 Mb
5	GISTIC_ThresholdedByGene-20160128	4.4 Mb
6	Methylation_methyl27-20160128	4.4 Mb
7	Methylation_methyl450-20160128	67.4 Mb
8	miRNASeqGene-20160128	0.1 Mb
9	Mutation-20160128	154.9 Mb
10	RNASeq2GeneNorm-20160128	1.2 Mb
11	RNASeqGene-20160128	1.5 Mb
12	RPPAArray-20160128	0 Mb

Overall survival time-to-event summary (in years):

Call: survfit(formula = survival::Surv(colDat\$days_to_death/365, colDat\$vital_status - 1)

273 observations deleted due to missingness
n events median 0.95LCL 0.95UCL
170.000 170.000 0.948 0.792 1.085

Available sample meta-data:

years_to_birth:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
30.00	58.00	67.00	65.73	73.00	90.00	9

vital_status:

0	1
268	175

days_to_death:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0.0	194.0	346.0	423.7	553.5	2197.0	273

days_to_last_followup:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0.0	335.5	547.5	673.7	912.0	3720.0	177

tumor_tissue_site:

stomach
443

pathology_M_stage:

m0	m1	mx

391 30 22

gender:

female	male
158	285

date_of_initial_pathologic_diagnosis:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1996	2010	2011	2010	2012	2013	6

radiation_therapy:

no	yes	NA's
323	77	43

residual_tumor:

r0	r1	r2	rx	NA's
350	18	19	25	31

number_of_lymph_nodes:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0.000	0.000	3.000	5.635	8.000	57.000	51

race:

asian	89
black or african american	13
native hawaiian or other pacific islander	1
white	278
NA's	62

ethnicity:

hispanic or latino	not hispanic or latino	NA's
5	318	120

admin.bcr:

nationwide children's hospital	443
--------------------------------	-----

admin.day_of_dcc_upload:

1	443
---	-----

admin.disease_code:

stad	443
------	-----

admin.month_of_dcc_upload:

10
443

admin.patient_withdrawal.withdrawn:

false
443

admin.project_code:

tcga
443

admin.year_of_dcc_upload:

2015
443

patient.age_at_initial_pathologic_diagnosis:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
30.00	58.00	67.00	65.68	73.00	90.00	5

patient.antireflux_treatment:

no	yes	NA's
176	44	223

patient.antireflux_treatment_types.antireflux_treatment_type:

antacids	h2 blockers	proton pump inhibitors	NA's
4	7	33	
NA's			
399			

patient.antireflux_treatment_types.antireflux_treatment_type.2:

antacids	NA's
5	438

patient.barretts_esophagus:

no	yes	NA's
233	17	193

patient.clinical_cqcf.consent_or_death_status:

consented	deceased	waiver
428	14	1

patient.clinical_cqcf.days_to_consent:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
-2309.000	-1.000	0.000	-0.673	11.750	1124.000	21

patient.clinical_cqcf.days_to_death:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
76.0	288.0	491.5	682.6	769.0	2197.0	429

patient.clinical_cqcf.history_of_neoadjuvant_treatment:
no
443

patient.clinical_cqcf.history_of_prior_malignancy:
no
429
yes, history of prior malignancy
13
yes, history of synchronous and or bilateral malignancy
1

patient.clinical_cqcf.normal_tissue_proximity:
distal (>2cm) NA's
108 335

patient.clinical_cqcf.other_anatomic_site:
gastric stump incisura lesser curvature NA's
2 1 1 439

patient.clinical_cqcf.tumor_type:
primary
443

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1.00	10.00	17.00	16.93	23.00	31.00	2

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
-32873	-26992	-24661	-24188	-21421	-10963	9

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0	140	282	416	543	2197	358

patient.days_to_initial_pathologic_diagnosis:
0 NA's
437 6

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0.0	12.0	42.5	266.0	268.5	3720.0	91

```

patient.drugs.drug.10.bcr_drug_barcode:
tcga-sw-a7eb-d56033          NA's
      1                      442

patient.drugs.drug.10.bcr_drug_uuid:
8be1d762-19e4-4265-8de6-427f23a9bcd6          NA's
      1                      442

patient.drugs.drug.10.day_of_form_completion:
25 NA's
  1  442

patient.drugs.drug.10.days_to_drug_therapy_end:
141 NA's
  1  442

patient.drugs.drug.10.days_to_drug_therapy_start:
136 NA's
  1  442

patient.drugs.drug.10.drug_name:
fluorouracil          NA's
      1              442

patient.drugs.drug.10.measure_of_response:
stable disease          NA's
      1              442

patient.drugs.drug.10.month_of_form_completion:
1 NA's
  1  442

patient.drugs.drug.10.therapy_ongoing:
no NA's
  1  442

patient.drugs.drug.10.therapy_types.therapy_type:
chemotherapy          NA's
      1              442

patient.drugs.drug.10.tx_on_clinical_trial:
no NA's
  1  442

patient.drugs.drug.10.year_of_form_completion:
2014 NA's
  1  442

patient.drugs.drug.11.bcr_drug_barcode:
tcga-sw-a7eb-d56034          NA's
      1                      442

```

patient.drugs.drug.11.bcr_drug_uuid:
 9b3b6e87-eb4b-4ac5-aaef-f8062393c748 NA's
 1 442

patient.drugs.drug.11.day_of_form_completion:
 25 NA's
 1 442

patient.drugs.drug.11.days_to_drug_therapy_end:
 141 NA's
 1 442

patient.drugs.drug.11.days_to_drug_therapy_start:
 136 NA's
 1 442

patient.drugs.drug.11.drug_name:
 doxorubicin NA's
 1 442

patient.drugs.drug.11.measure_of_response:
 stable disease NA's
 1 442

patient.drugs.drug.11.month_of_form_completion:
 1 NA's
 1 442

patient.drugs.drug.11.therapy_ongoing:
 no NA's
 1 442

patient.drugs.drug.11.therapy_types.therapy_type:
 chemotherapy NA's
 1 442

patient.drugs.drug.11.tx_on_clinical_trial:
 no NA's
 1 442

patient.drugs.drug.11.year_of_form_completion:
 2014 NA's
 1 442

patient.drugs.drug.12.bcr_drug_barcode:
 tcga-sw-a7eb-d56035 NA's
 1 442

patient.drugs.drug.12.bcr_drug_uuid:
 dae012fb-2f68-4f22-ac83-0c1beebaa327 NA's
 1 442

patient.drugs.drug.12.day_of_form_completion:

25 NA's
1 442

patient.drugs.drug.12.days_to_drug_therapy_end:

141 NA's
1 442

patient.drugs.drug.12.days_to_drug_therapy_start:

136 NA's
1 442

patient.drugs.drug.12.drug_name:

cisplatin NA's
1 442

patient.drugs.drug.12.measure_of_response:

stable disease NA's
1 442

patient.drugs.drug.12.month_of_form_completion:

1 NA's
1 442

patient.drugs.drug.12.therapy_ongoing:

no NA's
1 442

patient.drugs.drug.12.therapy_types.therapy_type:

chemotherapy NA's
1 442

patient.drugs.drug.12.tx_on_clinical_trial:

no NA's
1 442

patient.drugs.drug.12.year_of_form_completion:

2014 NA's
1 442

patient.drugs.drug.2.day_of_form_completion:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1.0	10.0	15.0	16.1	25.0	31.0	327

patient.drugs.drug.2.days_to_drug_therapy_end:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
22.0	116.0	167.0	214.8	226.5	2070.0	344

patient.drugs.drug.2.days_to_drug_therapy_start:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
782	975	1814	5110	4845	19700	437

patient.drugs.drug.2.total_dose_units:

mg	mg/m2	NA's
5	1	437

patient.drugs.drug.2.tx_on_clinical_trial:

no	yes	NA's
108	1	334

patient.drugs.drug.2.year_of_form_completion:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
2011	2012	2013	2013	2014	2015	327

patient.drugs.drug.3.day_of_form_completion:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1.00	11.00	15.00	16.29	25.00	31.00	354

patient.drugs.drug.3.days_to_drug_therapy_end:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
22.0	114.5	174.5	238.5	222.8	2070.0	363

patient.drugs.drug.3.days_to_drug_therapy_start:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
3.00	41.25	61.00	148.59	111.75	1949.00	357

patient.drugs.drug.3.measure_of_response:

clinical progressive disease	complete response
14	42
partial response	stable disease
2	8
NA's	
377	

patient.drugs.drug.3.month_of_form_completion:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1.000	3.000	5.000	6.202	10.000	12.000	354

patient.drugs.drug.3.number_cycles:

1	3	5	NA's
1	2	1	439

patient.drugs.drug.3.prescribed_dose:

40	87	90	200	NA's
1	1	1	1	439

patient.drugs.drug.3.prescribed_dose_units:

mg	mg/day	mg/m2	NA's
----	--------	-------	------

```

1      2      1      439

patient.drugs.drug.3.regimen_indication:
  adjuvant progression      NA's
      3          1          439

patient.drugs.drug.3.regimen_number:
  1 NA's
  2 441

patient.drugs.drug.3.route_of_administrations.route_of_administration:
intravenous (iv)      NA's
      4          439

patient.drugs.drug.3.therapy_ongoing:
  no  yes NA's
  83  6 354

patient.drugs.drug.3.therapy_types.therapy_type:
  ancillary chemotherapy      NA's
      11          78          354

patient.drugs.drug.3.total_dose:
  87 120 501 1800 NA's
  1  1  1  1  439

patient.drugs.drug.3.total_dose_units:
  mg mg/m2  NA's
  3  1  439

patient.drugs.drug.3.tx_on_clinical_trial:
  no  yes NA's
  84  1 358

patient.drugs.drug.3.year_of_form_completion:
  Min. 1st Qu.  Median  Mean 3rd Qu.  Max.  NA's
  2011  2013  2013  2013  2014  2015  354

patient.drugs.drug.4.day_of_form_completion:
  Min. 1st Qu.  Median  Mean 3rd Qu.  Max.  NA's
  2.00 12.00 17.00 16.81 24.25 30.00 411

patient.drugs.drug.4.days_to_drug_therapy_end:
  Min. 1st Qu.  Median  Mean 3rd Qu.  Max.  NA's
  48.0 128.0 177.0 336.4 410.0 2070.0 416

patient.drugs.drug.4.days_to_drug_therapy_start:
  Min. 1st Qu.  Median  Mean 3rd Qu.  Max.  NA's
  27.0 60.5 117.0 250.2 353.5 1949.0 412

```

```

patient.drugs.drug.4.measure_of_response:
clinical progressive disease      complete response
                                8                          9
                                partial response          stable disease
                                2                          3
                                NA's
                                421

```

```

patient.drugs.drug.4.month_of_form_completion:
  Min. 1st Qu.  Median    Mean 3rd Qu.  Max.   NA's
  1.000  4.000   9.000   7.406 10.250 12.000  411

```

```

patient.drugs.drug.4.number_cycles:
  3    4 NA's
  1    1  441

```

```

patient.drugs.drug.4.prescribed_dose:
  400  800 NA's
  1    1  441

```

```

patient.drugs.drug.4.prescribed_dose_units:
  mg/day mg/m2/day   NA's
  1       1         441

```

```

patient.drugs.drug.4.regimen_indication:
  adjuvant   NA's
  2          441

```

```

patient.drugs.drug.4.regimen_number:
  1 NA's
  1  442

```

```

patient.drugs.drug.4.route_of_administrations.route_of_administration:
  intravenous (iv)   NA's
  2                  441

```

```

patient.drugs.drug.4.therapy_ongoing:
  no  yes NA's
  28  4   411

```

```

patient.drugs.drug.4.therapy_types.therapy_type:
  ancillary chemotherapy   NA's
  6                    26   411

```

```

patient.drugs.drug.4.total_dose:
  1200 14100 NA's
  1    1    441

```

```

patient.drugs.drug.4.total_dose_units:
  mg mg/m2/day   NA's
  1    1         441

```

```

patient.drugs.drug.4.tx_on_clinical_trial:
  no  yes NA's
  29   1  413

patient.drugs.drug.4.year_of_form_completion:
  Min. 1st Qu.  Median    Mean 3rd Qu.  Max.  NA's
  2011  2013    2013    2013  2014    2015  411

patient.drugs.drug.5.day_of_form_completion:
  Min. 1st Qu.  Median    Mean 3rd Qu.  Max.  NA's
  4.00  14.00   19.00   17.79  24.50   30.00  424

patient.drugs.drug.5.days_to_drug_therapy_end:
  Min. 1st Qu.  Median    Mean 3rd Qu.  Max.  NA's
  48.0  129.5   281.5   420.9  565.2  2070.0  427

patient.drugs.drug.5.days_to_drug_therapy_start:
  Min. 1st Qu.  Median    Mean 3rd Qu.  Max.  NA's
  31.0   85.0   189.0   354.8  402.0  2070.0  426

patient.drugs.drug.5.measure_of_response:
clinical progressive disease      complete response
                                7                          3
                                partial response             stable disease
                                1                          3
                                NA's
                                429

patient.drugs.drug.5.month_of_form_completion:
  Min. 1st Qu.  Median    Mean 3rd Qu.  Max.  NA's
  1.000  4.000   8.000   7.421  11.000  12.000  424

patient.drugs.drug.5.number_cycles:
  4 NA's
  1  442

patient.drugs.drug.5.prescribed_dose:
  40 NA's
  1  442

patient.drugs.drug.5.prescribed_dose_units:
mg/day  NA's
  1    442

patient.drugs.drug.5.regimen_indication:
adjuvant  NA's
  1      442

```

```

patient.drugs.drug.5.route_of_administrations.route_of_administration:
intravenous (iv)          NA's
      1                442

```

```

patient.drugs.drug.5.therapy_ongoing:
no  yes NA's
18  1  424

```

```

patient.drugs.drug.5.therapy_types.therapy_type:
      ancillary          chemotherapy
      5                13
targeted molecular therapy          NA's
      1                424

```

```

patient.drugs.drug.5.total_dose:
680 NA's
  1  442

```

```

patient.drugs.drug.5.total_dose_units:
mg NA's
  1  442

```

```

patient.drugs.drug.5.tx_on_clinical_trial:
no  yes NA's
17  1  425

```

```

patient.drugs.drug.5.year_of_form_completion:
  Min. 1st Qu.  Median    Mean 3rd Qu.  Max.   NA's
  2011   2012   2013   2013   2014   2015   424

```

```

patient.drugs.drug.6.day_of_form_completion:
  Min. 1st Qu.  Median    Mean 3rd Qu.  Max.   NA's
 10.00  15.00  19.00  20.11  25.00  30.00  434

```

```

patient.drugs.drug.6.days_to_drug_therapy_end:
  Min. 1st Qu.  Median    Mean 3rd Qu.  Max.   NA's
   70   149   351   331   410   611   434

```

```

patient.drugs.drug.6.days_to_drug_therapy_start:
  Min. 1st Qu.  Median    Mean 3rd Qu.  Max.   NA's
 64.0   85.0  249.0  240.2  370.0  402.0  434

```

```

patient.drugs.drug.6.measure_of_response:
clinical progressive disease          stable disease
      5                1
      NA's
      437

```

```

patient.drugs.drug.6.month_of_form_completion:

```

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1.000	3.000	4.000	5.556	9.000	12.000	434

patient.drugs.drug.6.therapy_ongoing:
no NA's
9 434

patient.drugs.drug.6.therapy_types.therapy_type:
ancillary chemotherapy NA's
1 8 434

patient.drugs.drug.6.tx_on_clinical_trial:
no NA's
9 434

patient.drugs.drug.6.year_of_form_completion:
2012 2013 2014 2015 NA's
2 2 4 1 434

patient.drugs.drug.7.bcr_drug_barcode:
tcga-br-6706-d48238 tcga-d7-6520-d64898 tcga-sw-a7eb-d56030 NA's
1 1 1 440

patient.drugs.drug.7.bcr_drug_uid:
0d4a2166-a909-44ed-973e-b89436c81b2d ab5c6559-7f18-4f29-bbbb-3e8e18b8562a 1 1
c9f32fda-f421-4527-902a-4abb77f4acdd NA's
1 440

patient.drugs.drug.7.day_of_form_completion:
10 15 25 NA's
1 1 1 440

patient.drugs.drug.7.days_to_drug_therapy_end:
106 321 445 NA's
1 1 1 440

patient.drugs.drug.7.days_to_drug_therapy_start:
101 249 441 NA's
1 1 1 440

patient.drugs.drug.7.drug_name:
cisplatin fluorouracil fluorouracilum NA's
1 1 1 440

patient.drugs.drug.7.measure_of_response:
clinical progressive disease stable disease
1 1
NA's
441

patient.drugs.drug.7.month_of_form_completion:

1 9 NA's
 1 2 440

patient.drugs.drug.7.therapy_ongoing:
 no NA's
 3 440

patient.drugs.drug.7.therapy_types.therapy_type:
 chemotherapy NA's
 3 440

patient.drugs.drug.7.tx_on_clinical_trial:
 no NA's
 3 440

patient.drugs.drug.7.year_of_form_completion:
 2013 2014 NA's
 1 2 440

patient.drugs.drug.8.bcr_drug_barcode:
 tcga-sw-a7eb-d56031 NA's
 1 442

patient.drugs.drug.8.bcr_drug_uuid:
 9c70d3a7-938a-48ba-a737-c21f70d4284e NA's
 1 442

patient.drugs.drug.8.day_of_form_completion:
 25 NA's
 1 442

patient.drugs.drug.8.days_to_drug_therapy_end:
 106 NA's
 1 442

patient.drugs.drug.8.days_to_drug_therapy_start:
 101 NA's
 1 442

patient.drugs.drug.8.drug_name:
 doxorubicin NA's
 1 442

patient.drugs.drug.8.measure_of_response:
 stable disease NA's
 1 442

patient.drugs.drug.8.month_of_form_completion:
 1 NA's
 1 442

patient.drugs.drug.8.therapy_ongoing:


```

no NA's
1 442

patient.drugs.drug.8.therapy_types.therapy_type:
chemotherapy          NA's
1                    442

patient.drugs.drug.8.tx_on_clinical_trial:
no NA's
1 442

patient.drugs.drug.8.year_of_form_completion:
2014 NA's
1 442

patient.drugs.drug.9.bcr_drug_barcode:
tcga-sw-a7eb-d56032          NA's
1                            442

patient.drugs.drug.9.bcr_drug_uuid:
5ab31e67-4dc4-4dd8-a7c3-0773f438d310          NA's
1                                              442

patient.drugs.drug.9.day_of_form_completion:
25 NA's
1 442

patient.drugs.drug.9.days_to_drug_therapy_end:
106 NA's
1 442

patient.drugs.drug.9.days_to_drug_therapy_start:
101 NA's
1 442

patient.drugs.drug.9.drug_name:
cisplatin          NA's
1                442

patient.drugs.drug.9.measure_of_response:
stable disease          NA's
1                    442

patient.drugs.drug.9.month_of_form_completion:
1 NA's
1 442

patient.drugs.drug.9.therapy_ongoing:
no NA's
1 442

patient.drugs.drug.9.therapy_types.therapy_type:

```

```

chemotherapy                NA's
      1                    442

patient.drugs.drug.9.tx_on_clinical_trial:
no NA's
  1  442

patient.drugs.drug.9.year_of_form_completion:
2014 NA's
  1  442

patient.drugs.drug.day_of_form_completion:
  Min. 1st Qu.  Median    Mean 3rd Qu.  Max.    NA's
  1.00   9.25   16.00   17.05  26.00  31.00   253

patient.drugs.drug.days_to_drug_therapy_end:
  Min. 1st Qu.  Median    Mean 3rd Qu.  Max.    NA's
 -56.0  126.0   186.0   209.1  244.0  854.0   280

patient.drugs.drug.days_to_drug_therapy_start:
  Min. 1st Qu.  Median    Mean 3rd Qu.  Max.    NA's
   3.0   41.0   69.5   107.0  121.2  847.0   259

patient.drugs.drug.measure_of_response:
clinical progressive disease      complete response
                                36                          90
                                partial response             stable disease
                                3                          10
                                NA's
                                304

patient.drugs.drug.month_of_form_completion:
  Min. 1st Qu.  Median    Mean 3rd Qu.  Max.    NA's
  1.000   3.000   6.000   6.195   9.000  12.000   253

patient.drugs.drug.number_cycles:
  Min. 1st Qu.  Median    Mean 3rd Qu.  Max.    NA's
    1     3     5     4     5     6     430

patient.drugs.drug.prescribed_dose_units:
  mg mg/day  mg/m2  NA's
    8     2     6   427

patient.drugs.drug.regimen_indication:
  adjuvant  palliative  progression    NA's
    15         1         2     425

patient.drugs.drug.regimen_number:

```

01 1 plfe NA's
 2 4 1 436

patient.drugs.drug.route_of_administrations.route_of_administration:
 intrahepatic intravenous (iv) NA's
 1 16 426

patient.drugs.drug.therapy_ongoing:
 no yes NA's
 170 19 254

patient.drugs.drug.therapy_types.therapy_type:
 ancillary chemotherapy NA's
 3 186 254

patient.drugs.drug.total_dose_units:
 mg mg/m2 NA's
 11 3 429

patient.drugs.drug.tx_on_clinical_trial:
 no yes NA's
 171 1 271

patient.drugs.drug.year_of_form_completion:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 2011 2013 2013 2013 2014 2015 253

patient.ethnicity:
 hispanic or latino not hispanic or latino NA's
 5 318 120

patient.family_history_of_stomach_cancer:
 no yes NA's
 324 18 101

patient.follow_ups.follow_up.2.additional_pharmaceutical_therapy:
 no yes NA's
 9 7 427

patient.follow_ups.follow_up.2.additional_radiation_therapy:
 no NA's
 16 427

patient.follow_ups.follow_up.2.additional_surgery_locoregional_procedure:
 no NA's
 6 437

patient.follow_ups.follow_up.2.additional_surgery_metastatic_procedure:
 no yes NA's
 8 1 434

```
patient.follow_ups.follow_up.2.day_of_form_completion:
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.    NA's
    1.0    9.5    15.0    15.4    21.5    31.0    348
```

```
patient.follow_ups.follow_up.2.days_to_additional_surgery_metastatic_procedure:
  826 NA's
    1  442
```

```
patient.follow_ups.follow_up.2.days_to_death:
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.    NA's
 192.0  508.5  618.0  609.1  780.5  874.0    424
```

```
patient.follow_ups.follow_up.2.days_to_last_followup:
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.    NA's
  86.0  679.0  940.0  956.9 1100.0 2351.0    370
```

```
patient.follow_ups.follow_up.2.days_to_new_tumor_event_after_initial_treatment:
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.    NA's
  79.0  311.5  426.0  474.9  631.0  962.0    428
```

```
patient.follow_ups.follow_up.2.followup_case_report_form_submission_reason:
  additional new tumor event scheduled follow-up submission
                                1                                94
                                NA's
                                348
```

```
patient.follow_ups.follow_up.2.followup_treatment_success:
complete remission/response  partial remission/response
                                59                                1
  progressive disease                stable disease
                                15                                4
                                NA's
                                364
```

```
patient.follow_ups.follow_up.2.lost_follow_up:
  no  yes NA's
  83  10  350
```

```
patient.follow_ups.follow_up.2.month_of_form_completion:
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.    NA's
  1.000  3.000  5.000  6.305 11.000 12.000    348
```

```
patient.follow_ups.follow_up.2.new_neoplasm_event_types.new_neoplasm_event_type:
  distant metastasis locoregional recurrence    new primary tumor
                                8                                6                                1
                                NA's
                                428
```

```
patient.follow_ups.follow_up.2.new_neoplasm_event_types.new_neoplasm_event_type.
```

distant metastasis			NA's
	1		442

patient.follow_ups.follow_up.2.new_neoplasm_occurrence_anatomic_site_text:			
adrenal gland, bone	liver and lung		NA's
	1	1	441

patient.follow_ups.follow_up.2.new_tumor_event_after_initial_treatment:			
no	yes	NA's	
66	15	362	

patient.follow_ups.follow_up.2.patient_death_reason:			
other, non-malignant disease		stomach cancer	
	6		13
	NA's		
	424		

patient.follow_ups.follow_up.2.person_neoplasm_cancer_status:			
tumor free	with tumor	NA's	
60	19	364	

patient.follow_ups.follow_up.2.primary_therapy_outcome_success:			
complete remission/response		progressive disease	
	82		3
	stable disease		NA's
	2		356

patient.follow_ups.follow_up.2.progression_determined_by_list.progression_determined			
biopsy with histologic confirmation		convincing imaging	
	3		10
	NA's		
	430		

patient.follow_ups.follow_up.2.radiation_therapy:			
no	yes	NA's	
70	20	353	

patient.follow_ups.follow_up.2.residual_disease_post_new_tumor_event_margin_status			
r0	NA's		
1	442		

patient.follow_ups.follow_up.2.targeted_molecular_therapy:			
no	yes	NA's	
43	45	355	

patient.follow_ups.follow_up.2.vital_status:			
alive	dead	NA's	
70	20	353	

patient.follow_ups.follow_up.2.year_of_form_completion:			
2013	2014	2015	NA's
18	52	25	348

patient.follow_ups.follow_up.3.additional_pharmaceutical_therapy:
 no yes NA's
 2 3 438

patient.follow_ups.follow_up.3.additional_radiation_therapy:
 no NA's
 5 438

patient.follow_ups.follow_up.3.additional_surgery_locoregional_procedure:
 no NA's
 1 442

patient.follow_ups.follow_up.3.additional_surgery_metastatic_procedure:
 no NA's
 4 439

patient.follow_ups.follow_up.3.day_of_form_completion:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 1.0 10.5 12.0 14.8 23.0 28.0 428

patient.follow_ups.follow_up.3.days_to_death:
 588 NA's
 1 442

patient.follow_ups.follow_up.3.days_to_last_followup:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 415 1051 1169 1159 1314 2032 429

patient.follow_ups.follow_up.3.days_to_new_tumor_event_after_initial_treatment:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 383.0 574.0 777.0 793.2 1048.0 1184.0 438

patient.follow_ups.follow_up.3.followup_case_report_form_submission_reason:
 additional new tumor event scheduled follow-up submission
 1 14
 NA's
 428

patient.follow_ups.follow_up.3.followup_treatment_success:
 complete remission/response progressive disease
 6 5
 stable disease NA's
 1 431

patient.follow_ups.follow_up.3.lost_follow_up:
 no NA's
 15 428

patient.follow_ups.follow_up.3.month_of_form_completion:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1.0	3.0	5.0	5.0	6.5	12.0	428

```
patient.follow_ups.follow_up.3.new_neoplasm_event_occurrence_anatomic_site:
      lung non-regional / distant lymph nodes
      2
      other, specify
      1
      NA's
      439
```

```
patient.follow_ups.follow_up.3.new_neoplasm_event_types.new_neoplasm_event_type:
      distant metastasis locoregional recurrence
      4
      NA's
      1
      438
```

```
patient.follow_ups.follow_up.3.new_neoplasm_occurrence_anatomic_site_text:
adrenal    NA's
      1    442
```

```
patient.follow_ups.follow_up.3.new_tumor_event_after_initial_treatment:
      no  yes NA's
      7   5  431
```

```
patient.follow_ups.follow_up.3.patient_death_reason:
stomach cancer    NA's
      1            442
```

```
patient.follow_ups.follow_up.3.person_neoplasm_cancer_status:
tumor free with tumor    NA's
      6                   6    431
```

```
patient.follow_ups.follow_up.3.primary_therapy_outcome_success:
complete remission/response    progressive disease
      13                        1
      stable disease
      1                        NA's
      428
```

```
patient.follow_ups.follow_up.3.progression_determined_by_list.progression_determin
convincing imaging    NA's
      3                440
```

```
patient.follow_ups.follow_up.3.radiation_therapy:
      no  yes NA's
      11  4  428
```

```
patient.follow_ups.follow_up.3.targeted_molecular_therapy:
      no  yes NA's
      8   7  428
```

```
patient.follow_ups.follow_up.3.vital_status:
alive  dead  NA's
      14   1  428
```

```
patient.follow_ups.follow_up.3.year_of_form_completion:
```

```

2013 2014 2015 NA's
  1    4   10  428

patient.follow_ups.follow_up.4.additional_pharmaceutical_therapy:
  no NA's
  1  442

patient.follow_ups.follow_up.4.additional_radiation_therapy:
  no NA's
  1  442

patient.follow_ups.follow_up.4.additional_surgery_metastatic_procedure:
  no NA's
  1  442

patient.follow_ups.follow_up.4.bcr_followup_barcode:
tcga-br-6458-f42622 tcga-vq-a91e-f70289 NA's
                   1                   1   441

patient.follow_ups.follow_up.4.bcr_followup_uuid:
0d3cf860-216c-4e55-936a-759c29894a03 36cc9c86-8e36-4e8f-a5bd-b03761034cc6
                                     1                                     1
                                     NA's
                                     441

patient.follow_ups.follow_up.4.day_of_form_completion:
  3   25 NA's
  1   1  441

patient.follow_ups.follow_up.4.days_to_death:
  588 NA's
  1  442

patient.follow_ups.follow_up.4.days_to_last_followup:
  559 NA's
  1  442

patient.follow_ups.follow_up.4.days_to_new_tumor_event_after_initial_treatment:
  574 NA's
  1  442

patient.follow_ups.follow_up.4.followup_case_report_form_submission_reason:
  additional new tumor event scheduled follow-up submission
                                     1                                     1
                                     NA's
                                     441

patient.follow_ups.follow_up.4.followup_treatment_success:
progressive disease NA's
                   1   442

patient.follow_ups.follow_up.4.lost_follow_up:

```



```

no NA's
  2  441

patient.follow_ups.follow_up.4.month_of_form_completion:
  2    4 NA's
  1    1  441

patient.follow_ups.follow_up.4.new_neoplasm_event_occurrence_anatomic_site:
other, specify          NA's
                        1      442

patient.follow_ups.follow_up.4.new_neoplasm_event_types.new_neoplasm_event_type:
distant metastasis      NA's
                        1      442

patient.follow_ups.follow_up.4.new_neoplasm_occurrence_anatomic_site_text:
lung pleura             NA's
                        1      442

patient.follow_ups.follow_up.4.new_tumor_event_after_initial_treatment:
yes NA's
  1  442

patient.follow_ups.follow_up.4.patient_death_reason:
stomach cancer          NA's
                        1      442

patient.follow_ups.follow_up.4.person_neoplasm_cancer_status:
with tumor              NA's
                        1      442

patient.follow_ups.follow_up.4.primary_therapy_outcome_success:
complete remission/response NA's
                        2      441

patient.follow_ups.follow_up.4.progression_determined_by_list.progression_determin
convincing imaging      NA's
                        1      442

patient.follow_ups.follow_up.4.radiation_therapy:
no yes NA's
  1  1  441

patient.follow_ups.follow_up.4.targeted_molecular_therapy:
yes NA's
  2  441

patient.follow_ups.follow_up.4.vital_status:
alive dead NA's
  1    1  441

patient.follow_ups.follow_up.4.year_of_form_completion:

```

2013 2015 NA's
 1 1 441

patient.follow_ups.follow_up.5.bcr_followup_barcode:
 tcga-vq-a91e-f70863 NA's
 1 442

patient.follow_ups.follow_up.5.bcr_followup_uuid:
 398c15dd-b3a4-4771-93a4-6dfcb1100a9b NA's
 1 442

patient.follow_ups.follow_up.5.day_of_form_completion:
 10 NA's
 1 442

patient.follow_ups.follow_up.5.days_to_last_followup:
 559 NA's
 1 442

patient.follow_ups.follow_up.5.followup_case_report_form_submission_reason:
 scheduled follow-up submission NA's
 1 442

patient.follow_ups.follow_up.5.lost_follow_up:
 no NA's
 1 442

patient.follow_ups.follow_up.5.month_of_form_completion:
 3 NA's
 1 442

patient.follow_ups.follow_up.5.primary_therapy_outcome_success:
 complete remission/response NA's
 1 442

patient.follow_ups.follow_up.5.radiation_therapy:
 yes NA's
 1 442

patient.follow_ups.follow_up.5.targeted_molecular_therapy:
 yes NA's
 1 442

patient.follow_ups.follow_up.5.vital_status:
 alive NA's
 1 442

patient.follow_ups.follow_up.5.year_of_form_completion:
 2015 NA's
 1 442

patient.follow_ups.follow_up.6.bcr_followup_barcode:

tcga-vq-a91e-f72381	NA's	
1	442	
patient.follow_ups.follow_up.6.bcr_followup_uuid:		
95272104-dc6e-438e-be78-be5ecc30cc2c	NA's	
1	442	
patient.follow_ups.follow_up.6.day_of_form_completion:		
11 NA's		
1	442	
patient.follow_ups.follow_up.6.days_to_last_followup:		
664 NA's		
1	442	
patient.follow_ups.follow_up.6.followup_case_report_form_submission_reason:		
scheduled follow-up submission	NA's	
1	442	
patient.follow_ups.follow_up.6.followup_treatment_success:		
complete remission/response	NA's	
1	442	
patient.follow_ups.follow_up.6.lost_follow_up:		
no NA's		
1	442	
patient.follow_ups.follow_up.6.month_of_form_completion:		
6 NA's		
1	442	
patient.follow_ups.follow_up.6.new_tumor_event_after_initial_treatment:		
no NA's		
1	442	
patient.follow_ups.follow_up.6.person_neoplasm_cancer_status:		
tumor free	NA's	
1	442	
patient.follow_ups.follow_up.6.primary_therapy_outcome_success:		
complete remission/response	NA's	
1	442	
patient.follow_ups.follow_up.6.radiation_therapy:		
yes NA's		
1	442	
patient.follow_ups.follow_up.6.targeted_molecular_therapy:		
yes NA's		
1	442	
patient.follow_ups.follow_up.6.vital_status:		

alive NA's
1 442

patient.follow_ups.follow_up.6.year_of_form_completion:
2015 NA's
1 442

patient.follow_ups.follow_up.additional_pharmaceutical_therapy:
no yes NA's
44 23 376

patient.follow_ups.follow_up.additional_radiation_therapy:
no yes NA's
58 7 378

patient.follow_ups.follow_up.additional_surgery_locoregional_procedure:
no yes NA's
29 1 413

patient.follow_ups.follow_up.additional_surgery_metastatic_procedure:
no yes NA's
32 2 409

patient.follow_ups.follow_up.day_of_form_completion:
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
2.00 9.00 14.00 16.11 24.00 31.00 86

patient.follow_ups.follow_up.days_to_additional_surgery_locoregional_procedure:
143 NA's
1 442

patient.follow_ups.follow_up.days_to_additional_surgery_metastatic_procedure:
419 420 NA's
1 1 441

patient.follow_ups.follow_up.days_to_death:
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
3.0 201.0 300.0 407.2 457.0 2197.0 354

patient.follow_ups.follow_up.days_to_last_followup:
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
0.0 363.0 450.0 596.3 644.0 3720.0 192

patient.follow_ups.follow_up.days_to_new_tumor_event_after_initial_treatment:
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
46.0 159.0 307.0 347.1 410.5 1949.0 372

patient.follow_ups.follow_up.followup_case_report_form_submission_reason:
additional new tumor event scheduled follow-up submission
10 339

NA's

94

```

patient.follow_ups.follow_up.followup_treatment_success:
complete remission/response  partial remission/response
                                183                               5
      progressive disease                stable disease
                                70                               9
                                NA's
                                176

```

```

patient.follow_ups.follow_up.lost_follow_up:
  no  yes  NA's
246  55  142

```

```

patient.follow_ups.follow_up.month_of_form_completion:
  Min. 1st Qu.  Median    Mean 3rd Qu.  Max.  NA's
1.000  2.000   6.000   6.188 10.000 12.000  86

```

```

patient.follow_ups.follow_up.new_neoplasm_event_types.new_neoplasm_event_type:
  distant metastasis  locoregional recurrence  new primary tumor
                                42                               19                               1
                                NA's
                                381

```

```

patient.follow_ups.follow_up.new_neoplasm_event_types.new_neoplasm_event_type.2:
distant metastasis                NA's
                                3                440

```

```

patient.follow_ups.follow_up.new_tumor_event_after_initial_treatment:
  no  yes  NA's
258  72  113

```

```

patient.follow_ups.follow_up.patient_death_reason:
      other malignancy  other, non-malignant disease
                                2                               17
      stomach cancer                NA's
                                55                               369

```

```

patient.follow_ups.follow_up.person_neoplasm_cancer_status:
tumor free with tumor  NA's
      196            85            162

```

```

patient.follow_ups.follow_up.primary_therapy_outcome_success:
complete remission/response  partial remission/response
                                241                               6
      progressive disease                stable disease
                                40                               27
                                NA's
                                129

```

patient.follow_ups.follow_up.progression_determined_by_list.progression_determined_by			
biopsy with histologic confirmation		convincing imaging	
	11		33
	NA's		
	399		

patient.follow_ups.follow_up.progression_determined_by_list.progression_determined_by			
convincing imaging positive biomarker (s)			NA's
	2	1	440

patient.follow_ups.follow_up.progression_determined_by_list.progression_determined_by			
positive biomarker (s)		NA's	
	1	442	

patient.follow_ups.follow_up.radiation_therapy:			
no	yes	NA's	
278	57	108	

patient.follow_ups.follow_up.targeted_molecular_therapy:			
no	yes	NA's	
184	148	111	

patient.follow_ups.follow_up.vital_status:			
alive	dead	NA's	
253	92	98	

patient.follow_ups.follow_up.year_of_form_completion:							
Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's	
2011	2013	2013	2013	2014	2015	86	

patient.gender:		
female	male	
158	285	

patient.h_pylori_infection:			
no	yes	NA's	
168	20	255	

patient.history_of_neoadjuvant_treatment:	
no	
443	

patient.informed_consent_verified:	
yes	
443	

patient.lymph_node_examined_count:	
------------------------------------	--

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1.00	10.00	16.00	22.33	29.00	105.00	51

patient.month_of_form_completion:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1.000	3.000	5.000	5.494	7.000	12.000	2

patient.neoplasm_histologic_grade:

g1	g2	g3	gx
12	159	263	9

patient.new_tumor_events.new_tumor_event.additional_pharmaceutical_therapy:

no	yes	NA's
25	20	398

patient.new_tumor_events.new_tumor_event.additional_radiation_therapy:

no	yes	NA's
38	6	399

patient.new_tumor_events.new_tumor_event.days_to_new_tumor_event_after_initial_t

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
91.0	168.5	277.0	385.8	472.0	1676.0	396

patient.new_tumor_events.new_tumor_event.locoregional_procedure.additional_surge

no	yes	NA's
20	4	419

patient.new_tumor_events.new_tumor_event.locoregional_procedure.days_to_addition

335	475	1029	1326	NA's
1	1	1	1	439

patient.new_tumor_events.new_tumor_event.locoregional_procedure.residual_disease

r0	r2	NA's
1	2	440

patient.new_tumor_events.new_tumor_event.metastatic_procedure.additional_surgery

no	yes	NA's
23	3	417

patient.new_tumor_events.new_tumor_event.metastatic_procedure.days_to_additional

291	420	647	913	NA's
1	1	1	1	439

patient.new_tumor_events.new_tumor_event.metastatic_procedure.residual_disease_p

r0	NA's
2	441

patient.new_tumor_events.new_tumor_event.new_neoplasm_event_types.new_neoplasm_e

distant metastasis	locoregional recurrence	new primary tumor
26	21	1
NA's		

395

```

patient.new_tumor_events.new_tumor_event.new_neoplasm_event_types.new_neoplasm_e
distant metastasis  new primary tumor  NA's
                2                1                440

patient.new_tumor_events.new_tumor_event.progression_determined_by_list.progress
biopsy with histologic confirmation  convincing imaging
                10                37
                NA's
                396

patient.new_tumor_events.new_tumor_event.progression_determined_by_list.progress
convincing imaging positive biomarker (s)  NA's
                2                1                440

patient.new_tumor_events.new_tumor_event.progression_determined_by_list.progress
positive biomarker (s)  NA's
                1                442

patient.new_tumor_events.new_tumor_event_after_initial_treatment:
  no  yes NA's
181  48  214

patient.number_of_lymphnodes_positive_by_he:
  Min. 1st Qu.  Median  Mean 3rd Qu.  Max.  NA's
0.000  0.000  3.000  5.635  8.000  57.000  51

patient.number_of_relatives_with_stomach_cancer:
  0  1  2 NA's
58  16  2  367

patient.patient_death_reason:
other, non-malignant disease  stomach cancer
                7                46
                NA's
                390

patient.person_neoplasm_cancer_status:
tumor free with tumor  NA's
                291                92                60

patient.primary_lymph_node_presentation_assessment:
  no  yes NA's
26  396  21

patient.primary_therapy_outcome_success:
complete remission/response  partial remission/response
                145                2
  progressive disease  stable disease
                43                10

```


		NA's	
		243	

patient.prior_dx:

	no	yes
	429	8
yes, history of prior malignancy	6	

patient.race:

	asian
	89
	black or african american
	13
native hawaiian or other pacific islander	1
	white
	278
	NA's
	62

patient.radiation_therapy:

no	yes	NA's
166	51	226

patient.radiations.radiation.2.anatomic_treatment_site:

primary tumor field	regional site	NA's
3	1	439

patient.radiations.radiation.2.day_of_form_completion:

8	14	17	19	NA's
1	1	1	2	438

patient.radiations.radiation.2.days_to_radiation_therapy_end:

141	147	215	NA's
1	1	1	440

patient.radiations.radiation.2.days_to_radiation_therapy_start:

103	113	179	NA's
1	1	1	440

patient.radiations.radiation.2.measure_of_response:

complete response	NA's
1	442

patient.radiations.radiation.2.month_of_form_completion:

3	5	11	NA's
2	1	2	438

patient.radiations.radiation.2.numfractions:

25 28 NA's
3 1 439

patient.radiations.radiation.2.radiation_dosage:
4500 NA's
3 440

patient.radiations.radiation.2.radiation_treatment_ongoing:
no NA's
4 439

patient.radiations.radiation.2.radiation_type:
external external beam NA's
3 1 439

patient.radiations.radiation.2.regimen_indication:
adjuvant NA's
1 442

patient.radiations.radiation.2.units:
cgy NA's
3 440

patient.radiations.radiation.2.year_of_form_completion:
2011 2013 2014 2015 NA's
1 1 1 2 438

patient.radiations.radiation.anatomic_treatment_site:
distant recurrence distant site primary tumor field regional site
2 4 54 15
NA's
368

patient.radiations.radiation.course_number:
1 NA's
3 440

patient.radiations.radiation.day_of_form_completion:
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
1.00 10.00 14.00 16.27 24.00 31.00 366

patient.radiations.radiation.days_to_radiation_therapy_end:
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
53.0 115.0 156.0 197.8 222.0 756.0 370

patient.radiations.radiation.days_to_radiation_therapy_start:
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
31.0 91.5 122.5 163.0 180.0 737.0 371

patient.radiations.radiation.measure_of_response:

complete response	39	partial response	2
radiographic progressive disease	12	stable disease	3
NA's	387		

patient.radiations.radiation.month_of_form_completion:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1.000	3.000	6.000	6.117	9.000	12.000	366

patient.radiations.radiation.numfractions:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
2.00	25.00	25.00	22.67	25.00	30.00	370

patient.radiations.radiation.radiation_dosage:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
12	45	4320	2489	4500	6000	372

patient.radiations.radiation.radiation_treatment_ongoing:

no NA's	
77	366

patient.radiations.radiation.radiation_type:

external	external beam	systemic	NA's
67	8	1	367

patient.radiations.radiation.regimen_indication:

adjuvant	palliative	progression	NA's
6	1	1	435

patient.radiations.radiation.units:

cgy	gy	NA's
40	30	373

patient.radiations.radiation.year_of_form_completion:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
2011	2013	2014	2014	2014	2015	366

patient.reflux_history:

no	yes	NA's
212	46	185

patient.residual_tumor:

r0	r1	r2	rx	NA's
350	18	19	25	31

patient.stage_event.system_version:

4th	5th	6th	7th
1	22	129	291

```

patient.stage_event.tnm_categories.pathologic_categories.pathologic_m:
  m0  m1  mx
391  30  22

```

```

patient.targeted_molecular_therapy:
  no  yes  NA's
117  102  224

```

```

patient.tissue_prospective_collection_indicator:
  no  yes
212  231

```

```

patient.tissue_retrospective_collection_indicator:
  no  yes  NA's
232  210   1

```

```

patient.tumor_tissue_site:
stomach
  443

```

```

patient.vital_status:
alive  dead
 356   87

```

```

patient.year_of_form_completion:
  Min. 1st Qu.  Median  Mean 3rd Qu.  Max.  NA's
2010  2011    2012  2012  2014  2015    2

```

```

patient.year_of_initial_pathologic_diagnosis:
  Min. 1st Qu.  Median  Mean 3rd Qu.  Max.  NA's
1996  2009    2011  2010  2012  2013    1

```

```

patient.microsatellite_instability_test_results.microsatellite_instability_test_
msi-h msi-l  mss
  85   63  295

```

```

patient.bcr_canonical_check.bcr_patient_canonical_reasons.bcr_canonical_reason:
  case matched expression control case matched methylation control
                                     41                                     38
      germline comparison                                     NA's
                                     15                                     349

```

```

patient.bcr_canonical_check.bcr_patient_canonical_reasons.bcr_canonical_reason.2
case matched methylation control      germline comparison
                                     15                                     32
                                     NA's
                                     396

```



```

patient.biospecimen_cqcf.normal_controls.normal_control.2.normal_tissue.normal_t
distal (>2cm)          NA's
                    18      425

```

```

patient.biospecimen_cqcf.normal_controls.normal_control.2.vial_number:
  1   2   3 NA's
69  52   2 320

```

```

patient.biospecimen_cqcf.normal_controls.normal_control.3.bcr_sample_uuid:
22e3537f-1528-4519-af86-edab8d09efef 53a95d72-9090-445d-a0c6-68cd93a6d2a0
                                         1                                         1
5c1dd63d-253f-4c93-b630-d82af9ae87cb 74df96b9-4fd0-40e2-9cf1-e09d45ab97bd
                                         1                                         1
                                         NA's
                                         439

```

```

patient.biospecimen_cqcf.normal_controls.normal_control.3.days_to_normal_sample_
  0   31 NA's
  2    1 440

```

```

patient.biospecimen_cqcf.normal_controls.normal_control.3.method_of_normal_sampl
other method (specify)          NA's
                               3          440

```

```

patient.biospecimen_cqcf.normal_controls.normal_control.3.vial_number:
  2   3 NA's
  1   3 439

```

```

patient.biospecimen_cqcf.normal_controls.normal_control.days_to_normal_sample_pr
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.    NA's
-369.0    0.0    0.0   20.5   22.0  1124.0     6

```

```

patient.biospecimen_cqcf.normal_controls.normal_control.extracted_dna.ncedna_dna
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.    NA's
0.0600  0.1610  0.2730  6.3151  0.5965  179.0000    413

```

```

patient.biospecimen_cqcf.normal_controls.normal_control.extracted_dna.ncedna_dna
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.    NA's
15.00  15.00  15.00  17.07  15.00  62.70    413

```

```

patient.biospecimen_cqcf.normal_controls.normal_control.extracted_dna.ncedna_dna
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.    NA's
16.20  25.41  60.00  93.75  110.75  500.00    413

```

```

patient.biospecimen_cqcf.normal_controls.normal_control.method_of_normal_sample_
          blood draw other method (specify)          surgical resection
                    318                    17                    108

```

patient.biospecimen_cqcf.normal_controls.normal_control.normal_tissue.normal_tis
 distal (>2cm) NA's
 91 352

patient.biospecimen_cqcf.normal_controls.normal_control.vial_number:
 1 2
 439 4

patient.biospecimen_cqcf.other_method_of_sample_procurement:
 bag billroth operation 1 gastrectomy
 1 1 39
 partial resection NA's
 3 399

patient.biospecimen_cqcf.other_vessel_used:
 bag biospecimen storage bag NA's
 8 2 433

patient.biospecimen_cqcf.path_confirm_diagnosis_matching:
 no yes NA's
 36 365 42

patient.biospecimen_cqcf.path_confirm_report_attached:
 no yes
 22 421

patient.biospecimen_cqcf.path_confirm_tumor_necrosis_metrics:
 yes NA's
 401 42

patient.biospecimen_cqcf.path_confirm_tumor_nuclei_metrics:
 no yes NA's
 1 400 42

patient.biospecimen_cqcf.race:
 asian
 11
 black or african american
 9
 native hawaiian or other pacific islander
 1
 white
 115
 NA's
 307

patient.biospecimen_cqcf.reason_path_confirm_diagnosis_not_matching:
 macrodissection performed at tss to select f

 pathology analysis at tss determined a specific histological subtype different

pathology review of frozen section for tcga determined histological subtype diff

patient.biospecimen_cqcf.sample_prescreened:

no	yes	NA's
1	436	6

patient.biospecimen_cqcf.site_of_disease:

other	stomach
4	439

patient.biospecimen_cqcf.site_of_disease_text:

gastric stump	incisura lesser curvature	NA's
2	1	1
		439

patient.biospecimen_cqcf.submitted_for_lce:

no	yes	NA's
190	12	241

patient.biospecimen_cqcf.top_slide_submitted:

no	yes	NA's
113	232	98

patient.biospecimen_cqcf.tumor_samples.tumor_sample.2.tumor_necrosis_percent:

0	5	10	NA's
4	3	1	435

patient.biospecimen_cqcf.tumor_samples.tumor_sample.2.tumor_nuclei_percent:

55	70	75	80	NA's
1	1	1	5	435

patient.biospecimen_cqcf.tumor_samples.tumor_sample.2.tumor_weight:

5	20	NA's
7	1	435

patient.biospecimen_cqcf.tumor_samples.tumor_sample.2.vial_number:

2	NA's
8	435

patient.biospecimen_cqcf.tumor_samples.tumor_sample.tumor_necrosis_percent:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.
0.000	0.000	0.000	4.587	5.000	30.000

patient.biospecimen_cqcf.tumor_samples.tumor_sample.tumor_nuclei_percent:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.
20.00	70.00	75.00	75.76	90.00	100.00

patient.biospecimen_cqcf.tumor_samples.tumor_sample.tumor_weight:
 Min. 1st Qu. Median Mean 3rd Qu. Max.
 5.0 125.5 300.0 558.3 908.5 2775.0

patient.biospecimen_cqcf.tumor_samples.tumor_sample.vial_number:
 1
 443

patient.biospecimen_cqcf.vessel_used:
 biospecimen storage bag cassette cryomold
 37 135 13
 cryovial other (please specify)
 248 10

patient.days_to_index:
 0 NA's
 437 6

patient.samples.sample.2.days_to_collection:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 8.0 144.2 465.0 801.6 1069.5 4752.0 239

patient.samples.sample.2.initial_weight:
 60 70 160 280 NA's
 1 1 1 1 439

patient.samples.sample.2.intermediate_dimension:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 0.400 0.800 1.200 1.251 1.700 2.300 400

patient.samples.sample.2.is_ffpe:
 no
 443

patient.samples.sample.2.longest_dimension:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 0.700 1.050 1.700 1.837 2.500 3.400 400

patient.samples.sample.2.oct_embedded:
 false NA's
 205 238

patient.samples.sample.2.portions.portion.analytes.analyte.2.a260_a280_ratio:
 1.7 1.8 NA's
 2 8 433

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.2.
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's

100503319 100503833 100503854 100505038 100507740 100507813 395

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.2.

10 NA's

48 395

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.2.

0.5 NA's

48 395

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.2.

16 26 NA's

33 15 395

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.2.

no NA's

48 395

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.2.

7 8 NA's

15 33 395

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.2.

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1.000	5.750	7.000	6.542	9.000	11.000	395

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.2.

1149 1177 NA's

15 33 395

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.2.

40 NA's

48 395

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.2.

22 NA's

48 395

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.2.

80 NA's

48 395

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.2.

2010 NA's

48 395

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.bi

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1.005e+08	1.136e+08	1.323e+08	1.940e+08	1.641e+08	1.054e+09	121

```

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.ce
  8  13 NA's
312  10  121

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.co
  0.1 0.15 0.16  0.5 NA's
  1   6   3 312 121

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.da
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.    NA's
  1.00   8.00  16.00  18.23  26.00  30.00   121

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.is
  no NA's
322 121

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.mo
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.    NA's
  1.000   3.000   5.000   5.093   7.000  10.000   121

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.pl
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.    NA's
  1.000   5.000   6.000   6.615   9.000  12.000   121

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.qu
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.    NA's
  2.00  40.00  40.00  38.86  40.00  40.00   121

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.so
  22  23 NA's
145 177 121

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.vo
  20 33.3  80 NA's
  8   2 312 121

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.ye
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.    NA's
  2010   2011   2013   2012   2013   2014   121

patient.samples.sample.2.portions.portion.analytes.analyte.2.amount:
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.    NA's
  0.0   88.0  175.0  136.2  188.0  249.8   298

patient.samples.sample.2.portions.portion.analytes.analyte.2.analyte_type:
repli-g (qiagen) dna                rna                NA's
                  312                10                121

patient.samples.sample.2.portions.portion.analytes.analyte.2.analyte_type_id:

```

```

r      w NA's
10  312  121

patient.samples.sample.2.portions.portion.analytes.analyte.2.concentration:
0.1 0.15 0.16 0.5 NA's
1   6   3  135 298

patient.samples.sample.2.portions.portion.analytes.analyte.2.dna.normal_tumor_ge
yes NA's
312 131

patient.samples.sample.2.portions.portion.analytes.analyte.2.dna.pcr_amplificati
no  yes NA's
135 177 131

patient.samples.sample.2.portions.portion.analytes.analyte.2.gel_image_file:
https://sharedoc.nchri.org/tcga-bcr/default.aspx
322
NA's
121

patient.samples.sample.2.portions.portion.analytes.analyte.2.is_derived_from_ffp
no NA's
322 121

patient.samples.sample.2.portions.portion.analytes.analyte.2.protocols.protocol.
mirvana (allprep dna) rna          repli-g          repli-g x
10                                283                29
NA's
121

patient.samples.sample.2.portions.portion.analytes.analyte.2.rna.ratio_28s_18s:
Min. 1st Qu.  Median    Mean 3rd Qu.    Max.    NA's
1.120  1.245   1.350   1.360  1.438   1.710   433

patient.samples.sample.2.portions.portion.analytes.analyte.2.rna.rinvalue:
Min. 1st Qu.  Median    Mean 3rd Qu.    Max.    NA's
7.000  7.175   7.950   7.810  8.300   8.700   433

patient.samples.sample.2.portions.portion.analytes.analyte.2.spectrophotometer_m
picogreen  uv spec    NA's
66         79     298

patient.samples.sample.2.portions.portion.analytes.analyte.2.subportion_sequence
1 NA's
8  435

patient.samples.sample.2.portions.portion.analytes.analyte.3.aliquots.aliquot.2.

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Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
100502454	100502493	100502516	100505128	100510912	100510981	395

patient.samples.sample.2.portions.portion.analytes.analyte.3.aliquots.aliquot.2.
 10 NA's
 48 395

patient.samples.sample.2.portions.portion.analytes.analyte.3.aliquots.aliquot.2.
 0.5 NA's
 48 395

patient.samples.sample.2.portions.portion.analytes.analyte.3.aliquots.aliquot.2.
 16 26 NA's
 33 15 395

patient.samples.sample.2.portions.portion.analytes.analyte.3.aliquots.aliquot.2.
 no NA's
 48 395

patient.samples.sample.2.portions.portion.analytes.analyte.3.aliquots.aliquot.2.
 7 8 NA's
 15 33 395

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1.000	5.750	7.000	6.542	9.000	11.000	395

patient.samples.sample.2.portions.portion.analytes.analyte.3.aliquots.aliquot.2.
 1150 1178 NA's
 15 33 395

patient.samples.sample.2.portions.portion.analytes.analyte.3.aliquots.aliquot.2.
 40 NA's
 48 395

patient.samples.sample.2.portions.portion.analytes.analyte.3.aliquots.aliquot.2.
 22 NA's
 48 395

patient.samples.sample.2.portions.portion.analytes.analyte.3.aliquots.aliquot.2.
 80 NA's
 48 395

patient.samples.sample.2.portions.portion.analytes.analyte.3.aliquots.aliquot.2.
 2010 NA's
 48 395

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's

1.005e+08 1.005e+08 1.005e+08 1.345e+08 1.005e+08 1.054e+09 385

patient.samples.sample.2.portions.portion.analytes.analyte.3.aliquots.aliquot.ce
8 NA's
58 385

patient.samples.sample.2.portions.portion.analytes.analyte.3.aliquots.aliquot.co
0.5 NA's
58 385

patient.samples.sample.2.portions.portion.analytes.analyte.3.aliquots.aliquot.da
11 16 26 29 NA's
8 33 15 2 385

patient.samples.sample.2.portions.portion.analytes.analyte.3.aliquots.aliquot.is
no NA's
58 385

patient.samples.sample.2.portions.portion.analytes.analyte.3.aliquots.aliquot.mo
4 6 7 8 NA's
8 2 15 33 385

patient.samples.sample.2.portions.portion.analytes.analyte.3.aliquots.aliquot.pl
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
1.000 6.000 7.000 6.586 8.000 11.000 385

patient.samples.sample.2.portions.portion.analytes.analyte.3.aliquots.aliquot.pl
1146 1176 1663 1859 NA's
15 33 8 2 385

patient.samples.sample.2.portions.portion.analytes.analyte.3.aliquots.aliquot.qu
40 NA's
58 385

patient.samples.sample.2.portions.portion.analytes.analyte.3.aliquots.aliquot.so
22 NA's
58 385

patient.samples.sample.2.portions.portion.analytes.analyte.3.aliquots.aliquot.vo
80 NA's
58 385

patient.samples.sample.2.portions.portion.analytes.analyte.3.aliquots.aliquot.ye
2010 2011 NA's
48 10 385

patient.samples.sample.2.portions.portion.analytes.analyte.3.amount:
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
0.00 0.00 55.00 63.00 78.25 195.00 385

patient.samples.sample.2.portions.portion.analytes.analyte.3.analyte_type:

```

repli-g (qiagen) dna repli-g x (qiagen) dna          NA's
                10                48                385

patient.samples.sample.2.portions.portion.analytes.analyte.3.analyte_type_id:
  w      x NA's
 10    48 385

patient.samples.sample.2.portions.portion.analytes.analyte.3.concentration:
 0.5 NA's
 58 385

patient.samples.sample.2.portions.portion.analytes.analyte.3.dna.normal_tumor_ge
yes NA's
 58 385

patient.samples.sample.2.portions.portion.analytes.analyte.3.dna.pcr_amplificati
no NA's
 58 385

patient.samples.sample.2.portions.portion.analytes.analyte.3.gel_image_file:
https://sharedoc.nchri.org/tcga-bcr/default.aspx
                58
                NA's
                385

patient.samples.sample.2.portions.portion.analytes.analyte.3.is_derived_from_ffp
no NA's
 58 385

patient.samples.sample.2.portions.portion.analytes.analyte.3.protocols.protocol.
repli-g repli-g x      NA's
      10      48      385

patient.samples.sample.2.portions.portion.analytes.analyte.3.spectrophotometer_m
picogreen  uv spec      NA's
      2      56      385

patient.samples.sample.2.portions.portion.analytes.analyte.a260_a280_ratio:
 1.8  1.9 NA's
  4  114 325

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.2.bi
      Min.   1st Qu.   Median     Mean   3rd Qu.     Max.
9.889e+07 1.323e+08 1.604e+08 4.073e+08 1.062e+09 1.076e+09

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.2.ce
  1  2  8 10
99  2 327 15

```

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.2.co
 Min. 1st Qu. Median Mean 3rd Qu. Max.
 0.05000 0.05000 0.08000 0.08858 0.13500 0.17000

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.2.da
 Min. 1st Qu. Median Mean 3rd Qu. Max.
 6.00 16.00 19.00 19.32 28.00 30.00

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.2.is
 no
 443

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.2.mo
 Min. 1st Qu. Median Mean 3rd Qu. Max.
 1.00 5.00 7.00 7.05 9.00 12.00

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.2.pl
 Min. 1st Qu. Median Mean 3rd Qu. Max.
 1.000 5.000 6.000 6.747 9.000 12.000

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.2.qu
 Min. 1st Qu. Median Mean 3rd Qu. Max.
 0.870 1.130 3.000 2.507 3.200 3.600

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.2.so
 22 23
 238 205

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.2.vo
 6.67 6.7 13.3 40 60
 66 48 2 205 122

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.2.ye
 2010 2011 2012 2013 2014
 48 87 173 35 100

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.3.bi
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 9.889e+07 1.005e+08 1.070e+08 2.253e+08 1.498e+08 1.054e+09 309

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.3.ce
 1 2 5 8 NA's
 4 15 10 105 309

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.3.co
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 0.05000 0.05000 0.07000 0.09201 0.15000 0.16000 309


```

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.3.da
  Min. 1st Qu.  Median      Mean 3rd Qu.  Max.  NA's
  6.00  10.00  16.00  16.69  21.00  28.00  309

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.3.is
  no NA's
  134  309

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.3.mo
  Min. 1st Qu.  Median      Mean 3rd Qu.  Max.  NA's
  2.000  3.000  6.000  5.336  7.000  7.000  309

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.3.pl
  Min. 1st Qu.  Median      Mean 3rd Qu.  Max.  NA's
  2.000  5.000  6.000  6.425  8.000  12.000  309

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.3.qu
  Min. 1st Qu.  Median      Mean 3rd Qu.  Max.  NA's
  0.930  1.525  2.000  2.188  3.000  4.270  309

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.3.so
  22  23 NA's
  116  18  309

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.3.vo
  Min. 1st Qu.  Median      Mean 3rd Qu.  Max.  NA's
  6.67  13.30  26.70  32.22  60.00  60.00  309

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.3.ye
  2010 2011 2014 NA's
  48  68  18  309

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.4.bi
  Min. 1st Qu.  Median      Mean 3rd Qu.  Max.  NA's
  98884987 100513164 100518242 114833669 107039236 167811806 361

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.4.ce
  5  8  9  10 NA's
  30  27  2  23  361

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.4.co
  Min. 1st Qu.  Median      Mean 3rd Qu.  Max.  NA's
  0.0500  0.1300  0.1500  0.1328  0.1500  0.1700  361

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.4.da
  Min. 1st Qu.  Median      Mean 3rd Qu.  Max.  NA's
  6.00  16.00  21.00  20.28  28.00  28.00  361

```

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.4.is
 no NA's
 82 361

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.4.mo
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 1.000 3.000 7.000 5.256 7.000 7.000 361

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.4.pl
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 1.000 5.000 6.000 6.463 8.000 12.000 361

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.4.qu
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 0.940 1.070 1.400 2.166 3.740 4.540 361

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.4.sc
 22 23 NA's
 65 17 361

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.4.vo
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 6.70 6.70 13.40 16.78 26.70 60.00 361

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.4.ye
 2010 2011 2014 2015 NA's
 48 17 15 2 361

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.5.bi
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 98887545 99295325 153880914 133789522 164052746 167811819 385

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.5.ce
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 1.000 2.750 8.000 8.103 9.750 26.000 385

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.5.co
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 0.0700 0.0800 0.1300 0.1143 0.1500 0.1600 385

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.5.da
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 10.00 10.00 18.50 17.69 21.00 30.00 385

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.5.is
 no NA's
 58 385

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.5.mo
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 1.000 2.000 7.000 4.845 7.000 9.000 385

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.5.pl
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 2.000 6.000 7.000 7.207 8.750 12.000 385

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.5.qu
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 0.870 1.010 1.070 1.093 1.070 1.600 385

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.5.sc
 22 23 NA's
 25 33 385

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.5.vo
 6.7 10 13.4 20 NA's
 25 5 25 3 385

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.5.ye
 2010 2013 2014 2015 NA's
 25 8 24 1 385

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.6.bi
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 132267447 164052680 164052704 162240288 164052728 167811825 410

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.6.ce
 8 9 NA's
 32 1 410

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.6.co
 0.07 0.08 NA's
 11 22 410

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.6.da
 10 21 30 NA's
 30 1 2 410

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.6.is
 no NA's
 33 410

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.6.mo
 1 2 4 NA's
 1 30 2 410

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.6.pl
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 1.000 2.000 4.000 4.697 6.000 11.000 410

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.6.pl
 a290 a36q a46a NA's
 2 30 1 410

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.6.qu
 0.94 1.07 1.4 1.6 NA's
 10 21 1 1 410

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.6.sc
 23 NA's
 33 410

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.6.vo
 13.4 20 NA's
 31 2 410

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.6.ye
 2013 2014 2015 NA's
 2 30 1 410

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.7.bo
 tcga-br-4255-11a-01d-a36q-08 tcga-br-4280-11a-01d-a36q-08
 1 1
 NA's
 441

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.7.bo
 059acfa0-2ec6-48a4-ae11-b57da231c6a9 07af57b2-4277-4314-9470-6f347320f0f6
 1 1
 NA's
 441

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.7.bi
 164052673 164052747 NA's
 1 1 441

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.7.ce
 8 NA's
 2 441

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.7.co
 0.07 0.08 NA's
 1 1 441

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.7.da
 10 NA's

2 441

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.7.is
no NA's

2 441

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.7.mo
2 NA's

2 441

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.7.pl

2 4 NA's

1 1 441

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.7.pl
a36q NA's

2 441

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.7.pl

b h NA's

1 1 441

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.7.qu

0.94 1.07 NA's

1 1 441

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.7.so

23 NA's

2 441

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.7.vo

13.4 NA's

2 441

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.7.ye

2014 NA's

2 441

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.bios

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.
9.889e+07	1.323e+08	1.604e+08	4.073e+08	1.062e+09	1.076e+09

9.889e+07 1.323e+08 1.604e+08 4.073e+08 1.062e+09 1.076e+09

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.cent

1 2 8

329 99 15

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.conc

0.13 0.14 0.15 0.16 0.17

21 94 163 128 37

```
patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.day_
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.
  6.0   16.0   19.0   19.4   28.0   30.0
```

```
patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.is_d
no
443
```

```
patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.mont
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.
  1.000  5.000  7.000  7.059  9.000  12.000
```

```
patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.plat
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.
  1.000  4.000  6.000  6.765  9.500  12.000
```

```
patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.quant
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.
  0.870  1.000  1.070  1.237  1.300  2.260
```

```
patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.sour
22 23
238 205
```

```
patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.volun
6.67 6.7 10 13.3
122 207 31 83
```

```
patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.year
2010 2011 2012 2013 2014
50 85 173 35 100
```

```
patient.samples.sample.2.portions.portion.analytes.analyte.amount:
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.
  0.00  20.34  66.00  132.24  201.00  1646.64
```

```
patient.samples.sample.2.portions.portion.analytes.analyte.analyte_type:
dna
443
```

```
patient.samples.sample.2.portions.portion.analytes.analyte.analyte_type_id:
d
443
```

```
patient.samples.sample.2.portions.portion.analytes.analyte.concentration:
0.13 0.14 0.15 0.16 0.17
21 94 163 128 37
```

patient.samples.sample.2.portions.portion.analytes.analyte.dna.normal_tumor_gene:
yes
443

patient.samples.sample.2.portions.portion.analytes.analyte.dna.pcr_amplification:
no yes
238 205

patient.samples.sample.2.portions.portion.analytes.analyte.gel_image_file:
<https://sharedoc.nchri.org/tcga-bcr/default.aspx>
443

patient.samples.sample.2.portions.portion.analytes.analyte.is_derived_from_ffpe:
no
443

patient.samples.sample.2.portions.portion.analytes.analyte.protocols.protocol.extracted:
adna preparation type chemical lysis dna extraction
221 192
pre-extracted dna received by tss
30

patient.samples.sample.2.portions.portion.analytes.analyte.spectrophotometer_method:
picogreen uv spec
325 118

patient.samples.sample.2.portions.portion.analytes.analyte.subportion_sequence:
1 NA's
8 435

patient.samples.sample.2.portions.portion.day_of_creation:
Min. 1st Qu. Median Mean 3rd Qu. Max.
1.00 10.00 16.00 16.41 23.00 31.00

patient.samples.sample.2.portions.portion.is_ffpe:
no
443

patient.samples.sample.2.portions.portion.month_of_creation:
Min. 1st Qu. Median Mean 3rd Qu. Max.
1.000 4.000 6.000 6.424 10.000 12.000

patient.samples.sample.2.portions.portion.portion_number:
1 2 11 21
433 2 4 4

patient.samples.sample.2.portions.portion.portion_sequence:
1 2 NA's
130 4 309

patient.samples.sample.2.portions.portion.slides.slide.2.is_derived_from_ffpe:
 no NA's
 25 418

patient.samples.sample.2.portions.portion.slides.slide.2.section_location:
 top NA's
 25 418

patient.samples.sample.2.portions.portion.slides.slide.is_derived_from_ffpe:
 no NA's
 47 396

patient.samples.sample.2.portions.portion.slides.slide.percent_lymphocyte_infiltration:
 2 10 25 NA's
 2 1 1 439

patient.samples.sample.2.portions.portion.slides.slide.percent_monocyte_infiltration:
 0 1 3 NA's
 1 2 1 439

patient.samples.sample.2.portions.portion.slides.slide.percent_necrosis:
 0 NA's
 4 439

patient.samples.sample.2.portions.portion.slides.slide.percent_neutrophil_infiltration:
 0 NA's
 4 439

patient.samples.sample.2.portions.portion.slides.slide.percent_normal_cells:
 60 100 NA's
 1 3 439

patient.samples.sample.2.portions.portion.slides.slide.percent_stromal_cells:
 0 40 NA's
 3 1 439

patient.samples.sample.2.portions.portion.slides.slide.percent_tumor_cells:
 0 NA's
 4 439

patient.samples.sample.2.portions.portion.slides.slide.percent_tumor_nuclei:
 0 NA's
 4 439

patient.samples.sample.2.portions.portion.slides.slide.section_location:
 bottom top NA's

25 22 396

patient.samples.sample.2.portions.portion.weight:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
2.000	2.000	2.000	9.548	2.000	73.000	222

patient.samples.sample.2.portions.portion.year_of_creation:

2010	2011	2012	2013	2014
44	89	175	81	54

patient.samples.sample.2.sample_type:

blood derived normal	solid tissue normal
396	47

patient.samples.sample.2.sample_type_id:

10	11
396	47

patient.samples.sample.2.shortest_dimension:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0.3000	0.4000	0.4000	0.4535	0.5000	0.7000	400

patient.samples.sample.2.vial_number:

a	b	e
437	5	1

patient.samples.sample.3.bcr_biospecimen_canonical_reasons.bcr_canonical_reason:

germline comparison	NA's
1	442

patient.samples.sample.3.days_to_collection:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
96.0	152.0	189.0	278.1	413.0	547.0	430

patient.samples.sample.3.initial_weight:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
70.0	110.0	140.0	225.4	300.0	710.0	430

patient.samples.sample.3.intermediate_dimension:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0.300	0.600	1.000	1.002	1.300	2.200	402

patient.samples.sample.3.is_ffpe:

no NA's
54 389

patient.samples.sample.3.longest_dimension:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0.600	1.000	1.500	1.695	2.300	3.000	402

patient.samples.sample.3.oct_embedded:

false	true	NA's
10	3	430

patient.samples.sample.3.portions.portion.analytes.analyte.2.a260_a280_ratio:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1.730	1.770	1.780	1.784	1.800	1.830	428

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.2.

case	matched	expression	control	NA's
			1	442

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.2.

13	NA's
10	433

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.2.

0.15	0.16	0.17	0.18	NA's
1	4	4	1	433

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.2.

12	19	30	NA's
4	5	1	433

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.2.

no	NA's
10	433

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.2.

4	11	12	NA's
1	4	5	433

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.2.

1	5	6	7	NA's
1	4	4	1	433

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.2.

a241	a252	a39f	NA's
4	5	1	433

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.2.

0	NA's
10	433

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.2.

23	NA's
10	433

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.2.

0 NA's
10 433

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.2.
2012 2014 NA's
9 1 433

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.3.
tcga-hu-a4g9-11a-11r-a360-13 tcga-hu-a4gh-11a-11r-a360-13
1 1
tcga-hu-a4gx-11a-11r-a360-13 tcga-hu-a4gy-11a-11r-a360-13
1 1
NA's
439

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.3.
336f8831-2116-4b52-9839-9c7623a93fb1 58c2eeac-b6fd-4030-84a8-8616d34d6341
1 1
ec4c67ad-24af-4b3b-9303-6253716287a5 f65a70ff-2211-4183-a4be-34a6de42b661
1 1
NA's
439

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.3.
13 NA's
4 439

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.3.
0.16 0.17 NA's
1 3 439

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.3.
29 NA's
4 439

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.3.
no NA's
4 439

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.3.
1 NA's
4 439

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.3.
1 7 8 NA's
1 2 1 439

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.3.
a360 NA's
4 439

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.3.

```

d      f      g      h NA's
1      1      1      1  439

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.3.
0 NA's
4  439

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.3.
23 NA's
4  439

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.3.
0 NA's
4  439

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.3.
2014 NA's
4  439

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.4.
tcga-hu-a4g9-11a-11r-a36d-31 tcga-hu-a4gh-11a-11r-a36d-31
                                1                                1
tcga-hu-a4gx-11a-11r-a36d-31 tcga-hu-a4gy-11a-11r-a36d-31
                                1                                1
                                NA's
                                439

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.4.
0b95f563-7c9c-4c77-8f45-266c754d2f10 3b981e83-f0b5-449a-b0d7-2da0cc5b1f35
                                1                                1
a3c90fa9-6541-45cb-81ed-056797aceeb1 d26dcb61-dd83-487d-b67f-665ec2631f18
                                1                                1
                                NA's
                                439

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.4.
164082144 164082161 164082175 164082198      NA's
              1              1              1              1              439

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.4.
31 NA's
4  439

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.4.
0.16 0.17 NA's
1      3  439

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.4.
29 NA's
4  439

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.4.

```

```

no NA's
4 439

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.4.
1 NA's
4 439

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.4.
7 8 9 NA's
1 2 1 439

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.4.
a36d NA's
4 439

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.4.
a d e h NA's
1 1 1 1 439

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.4.
2.08 3.96 NA's
1 3 439

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.4.
23 NA's
4 439

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.4.
13 23.3 NA's
1 3 439

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.4.
2014 NA's
4 439

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.bo
case matched expression control NA's
1 442

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.bi
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
1.070e+08 1.244e+08 1.323e+08 5.012e+08 1.062e+09 1.076e+09 398

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.ce
8 13 31 NA's
16 19 10 398

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.co
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
0.1300 0.1500 0.1600 0.2764 0.5000 0.5000 398

```

```

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.da
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.    NA's
  1.00   8.00   18.00   15.49  19.00   30.00   398

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.is
no NA's
45 398

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.mo
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.    NA's
  3.000  5.000  7.000  7.978 12.000 12.000   398

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.pl
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.    NA's
  1.000  4.000  5.000  5.444  7.000 12.000   398

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.qu
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.    NA's
  3.00   4.33   5.00   17.02  40.00  40.00   398

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.so
22 23 NA's
30 15 398

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.vo
20 33.3 80 NA's
10 19 16 398

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.ye
2011 2012 2013 2014 NA's
21 18 5 1 398

patient.samples.sample.3.portions.portion.analytes.analyte.2.amount:
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.    NA's
  7.01  36.93 177.60 163.03 196.65 694.20   403

patient.samples.sample.3.portions.portion.analytes.analyte.2.analyte_type:
repli-g (qiagen) dna                      rna                      NA's
                   16                      29                      398

patient.samples.sample.3.portions.portion.analytes.analyte.2.analyte_type_id:
  r    w NA's
29 16 398

patient.samples.sample.3.portions.portion.analytes.analyte.2.concentration:
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.    NA's
  0.1300 0.1500 0.1600 0.2485 0.5000 0.5000   403

```

patient.samples.sample.3.portions.portion.analytes.analyte.2.dna.normal_tumor_ge
 yes NA's
 16 427

patient.samples.sample.3.portions.portion.analytes.analyte.2.dna.pcr_amplificati
 no yes NA's
 11 5 427

patient.samples.sample.3.portions.portion.analytes.analyte.2.gel_image_file:
<https://sharedoc.nchri.org/tcga-bcr/default.aspx>
 45
 NA's
 398

patient.samples.sample.3.portions.portion.analytes.analyte.2.is_derived_from_ffp
 no NA's
 45 398

patient.samples.sample.3.portions.portion.analytes.analyte.2.protocols.protocol.
 mirvana (allprep dna) rna repli-g repli-g x
 29 12 4
 NA's
 398

patient.samples.sample.3.portions.portion.analytes.analyte.2.rna.ratio_28s_18s:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 1.06 1.34 1.46 1.45 1.60 1.89 414

patient.samples.sample.3.portions.portion.analytes.analyte.2.rna.rinvalue:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 7.100 7.800 8.300 8.297 8.800 9.600 414

patient.samples.sample.3.portions.portion.analytes.analyte.2.spectrophotometer_m
 picogreen uv spec NA's
 10 30 403

patient.samples.sample.3.portions.portion.analytes.analyte.2.subportion_sequence
 1 2 NA's
 10 1 432

patient.samples.sample.3.portions.portion.analytes.analyte.3.aliquots.aliquot.bi
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 1.136e+08 1.210e+08 1.283e+08 2.011e+08 1.456e+08 1.054e+09 417

patient.samples.sample.3.portions.portion.analytes.analyte.3.aliquots.aliquot.ce
 8 NA's
 26 417

patient.samples.sample.3.portions.portion.analytes.analyte.3.aliquots.aliquot.co

0.5 NA's
26 417

patient.samples.sample.3.portions.portion.analytes.analyte.3.aliquots.aliquot.da
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
1.00 25.00 29.00 23.77 30.00 30.00 417

patient.samples.sample.3.portions.portion.analytes.analyte.3.aliquots.aliquot.is
no NA's
26 417

patient.samples.sample.3.portions.portion.analytes.analyte.3.aliquots.aliquot.mo
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
1.000 1.000 3.000 3.115 4.500 8.000 417

patient.samples.sample.3.portions.portion.analytes.analyte.3.aliquots.aliquot.pl
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
3.000 4.000 5.000 7.346 12.000 12.000 417

patient.samples.sample.3.portions.portion.analytes.analyte.3.aliquots.aliquot.qu
40 NA's
26 417

patient.samples.sample.3.portions.portion.analytes.analyte.3.aliquots.aliquot.so
22 23 NA's
15 11 417

patient.samples.sample.3.portions.portion.analytes.analyte.3.aliquots.aliquot.vo
80 NA's
26 417

patient.samples.sample.3.portions.portion.analytes.analyte.3.aliquots.aliquot.ye
2011 2012 2013 2014 NA's
5 10 10 1 417

patient.samples.sample.3.portions.portion.analytes.analyte.3.amount:
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
158.0 171.5 176.0 176.7 183.5 202.0 428

patient.samples.sample.3.portions.portion.analytes.analyte.3.analyte_type:
repli-g (qiagen) dna NA's
26 417

patient.samples.sample.3.portions.portion.analytes.analyte.3.analyte_type_id:
w NA's
26 417

patient.samples.sample.3.portions.portion.analytes.analyte.3.concentration:


```

0.5 NA's
15 428

patient.samples.sample.3.portions.portion.analytes.analyte.3.dna.normal_tumor_ge
yes NA's
26 417

patient.samples.sample.3.portions.portion.analytes.analyte.3.dna.pcr_amplificati
no yes NA's
15 11 417

patient.samples.sample.3.portions.portion.analytes.analyte.3.gel_image_file:
https://sharedoc.nchri.org/tcga-bcr/default.aspx
26
NA's
417

patient.samples.sample.3.portions.portion.analytes.analyte.3.is_derived_from_ffp
no NA's
26 417

patient.samples.sample.3.portions.portion.analytes.analyte.3.protocols.protocol.
repli-g repli-g x NA's
25 1 417

patient.samples.sample.3.portions.portion.analytes.analyte.3.spectrophotometer_m
picogreen NA's
15 428

patient.samples.sample.3.portions.portion.analytes.analyte.3.subportion_sequence
1 2 NA's
9 1 433

patient.samples.sample.3.portions.portion.analytes.analyte.a260_a280_ratio:
1.8 1.83 1.9 1.98 NA's
1 1 12 1 428

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.2.bo
case matched expression control NA's
2 441

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.2.bi
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
1.070e+08 1.323e+08 1.054e+09 6.591e+08 1.076e+09 1.076e+09 390

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.2.ce
1 8 13 31 NA's
13 39 1 1 389

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.2.co

```

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0.0500	0.0500	0.0500	0.0839	0.1400	0.1700	389

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.2.da

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
6.00	7.75	17.00	14.30	19.00	30.00	389

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.2.is
no NA's
54 389

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
3.000	7.000	7.000	8.241	12.000	12.000	389

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.2.pl

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1.000	3.250	9.000	7.222	9.750	12.000	389

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.2.qu

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0.000	1.548	3.000	2.494	3.000	3.600	389

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.2.so
22 23 NA's
41 13 389

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0.00	10.00	60.00	41.24	60.00	60.00	389

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.2.ye
2011 2012 2013 2014 NA's
21 30 1 2 389

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1.070e+08	1.070e+08	1.054e+09	6.169e+08	1.054e+09	1.054e+09	430

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.3.bi
8 NA's
13 430

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.3.co
0.05 NA's
13 430

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.3.da

6 13 16 NA's
5 7 1 430

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.3.is
no NA's
13 430

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.3.mo
3 6 7 NA's
1 5 7 430

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.3.pl
3 4 8 NA's
7 5 1 430

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.3.pl
1600 1800 1882 NA's
1 5 7 430

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.3.qu
2 3 NA's
1 12 430

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.3.so
22 NA's
13 430

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.3.vo
40 60 NA's
1 12 430

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.3.ye
2011 NA's
13 430

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.4.bi
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
1.070e+08 1.070e+08 1.054e+09 6.169e+08 1.054e+09 1.054e+09 430

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.4.ce
5 NA's
13 430

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.4.co
0.14 0.15 0.16 0.17 NA's
5 6 1 1 430

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.4.da
6 13 16 NA's

5 7 1 430

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.4.is
no NA's
13 430

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.4.mo
3 6 7 NA's
1 5 7 430

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.4.pl
3 4 6 NA's
7 5 1 430

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.4.pl
1601 1801 1883 NA's
1 5 7 430

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.4.qu
1.86 2 2.13 4.54 NA's
5 6 1 1 430

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.4.so
22 NA's
13 430

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.4.vo
13.3 26.7 NA's
12 1 430

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.4.ye
2011 NA's
13 430

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.5.bo
tcga-br-6452-11a-01d-2365-05 tcga-br-6456-11a-01d-a46a-09
1 1
NA's
441

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.5.bo
56a9b06f-05f5-4895-8af8-3c2feb5976d5 67f41aca-706d-4b95-90b9-36d7559b6bd3
1 1
NA's
441

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.5.bi
167811788 1076438132 NA's
1 1 441

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.5.ce

```

5      9 NA's
1      1  441

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.5.co
0.08 0.15 NA's
1      1  441

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.5.da
21    29 NA's
1      1  441

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.5.is
no NA's
2     441

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.5.mo
1      8 NA's
1      1  441

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.5.pl
2      4 NA's
1      1  441

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.5.pl
2365 a46a NA's
1      1  441

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.5.pl
a     e NA's
1      1  441

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.5.qu
1.07    6 NA's
1      1  441

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.5.sc
22    23 NA's
1      1  441

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.5.vo
13.4   40 NA's
1      1  441

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.5.ye
2012 2015 NA's
1      1  441

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.bcr_
case matched expression control          NA's
2                                         441

```

```
patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.bios
  Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
1.070e+08 1.323e+08 1.054e+09 6.594e+08 1.076e+09 1.076e+09 390
```

```
patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.cent
  1 2 13 31 NA's
39 13 1 1 389
```

```
patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.conc
  Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
0.1300 0.1400 0.1500 0.1485 0.1575 0.1700 389
```

```
patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.day_
  Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
6.00 7.75 17.00 14.30 19.00 30.00 389
```

```
patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.is_d
no NA's
54 389
```

```
patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.mont
  Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
3.000 7.000 7.000 8.241 12.000 12.000 389
```

```
patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.plat
  Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
1.000 3.000 9.000 7.204 9.750 12.000 389
```

```
patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.quant
  Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
0.000 0.940 1.000 1.189 1.335 3.400 389
```

```
patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.sour
22 23 NA's
41 13 389
```

```
patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.volu
  Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
0.000 6.670 6.670 7.968 9.175 20.000 389
```

```
patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.year
2011 2012 2013 2014 NA's
21 30 1 2 389
```

```
patient.samples.sample.3.portions.portion.analytes.analyte.amount:
  Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
5.24 32.91 186.35 198.33 306.25 800.70 389
```

```
patient.samples.sample.3.portions.portion.analytes.analyte.analyte_type:
```

```

dna  rna NA's
52   2  389

patient.samples.sample.3.portions.portion.analytes.analyte.analyte_type_id:
  d   r NA's
52   2  389

patient.samples.sample.3.portions.portion.analytes.analyte.concentration:
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.    NA's
0.1300 0.1400  0.1500  0.1485 0.1575  0.1700   389

patient.samples.sample.3.portions.portion.analytes.analyte.dna.normal_tumor_gene:
yes NA's
52  391

patient.samples.sample.3.portions.portion.analytes.analyte.dna.pcr_amplification:
no  yes NA's
41  11  391

patient.samples.sample.3.portions.portion.analytes.analyte.gel_image_file:
https://sharedoc.nchri.org/tcga-bcr/default.aspx
                                     54
                                     NA's
                                     389

patient.samples.sample.3.portions.portion.analytes.analyte.is_derived_from_ffpe:
no NA's
54  389

patient.samples.sample.3.portions.portion.analytes.analyte.protocols.protocol.expression:
adna preparation type mirvana (allprep dna) rna          NA's
                                     52                2          389

patient.samples.sample.3.portions.portion.analytes.analyte.rna.ratio_28s_18s:
1.08 1.58 NA's
  1   1  441

patient.samples.sample.3.portions.portion.analytes.analyte.rna.rinvalue:
  7  8.8 NA's
  1   1  441

patient.samples.sample.3.portions.portion.analytes.analyte.spectrophotometer_method:
picogreen  uv spec    NA's
          39         15    389

patient.samples.sample.3.portions.portion.analytes.analyte.subportion_sequence:
  1   2 NA's
12   1  430

```

patient.samples.sample.3.portions.portion.day_of_creation:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
2.00	9.00	14.50	15.69	24.00	31.00	389

patient.samples.sample.3.portions.portion.is_ffpe:

no NA's
54 389

patient.samples.sample.3.portions.portion.month_of_creation:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1.000	4.000	7.000	7.056	10.750	12.000	389

patient.samples.sample.3.portions.portion.portion_number:

1	11	12	21	NA's
41	10	1	2	389

patient.samples.sample.3.portions.portion.portion_sequence:

1	2	NA's
10	1	432

patient.samples.sample.3.portions.portion.slides.slide.2.bcr_slide_barcode:

tcga-br-6710-11a-01-ts1	NA's
1	442

patient.samples.sample.3.portions.portion.slides.slide.2.bcr_slide_uuid:

077944a5-ff87-4652-a929-dc4178d4f044	NA's
1	442

patient.samples.sample.3.portions.portion.slides.slide.2.image_file_name:

tcga-br-6710-11a-01-ts1.077944a5-ff87-4652-a929-dc4178d4f044.svs	1
	NA's
	442

patient.samples.sample.3.portions.portion.slides.slide.2.is_derived_from_ffpe:

no NA's
1 442

patient.samples.sample.3.portions.portion.slides.slide.2.section_location:

top NA's
1 442

patient.samples.sample.3.portions.portion.slides.slide.is_derived_from_ffpe:

no NA's
54 389

patient.samples.sample.3.portions.portion.slides.slide.percent_lymphocyte_infiltrate:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
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0.00    2.00    3.50    11.68    18.75    50.00    421

patient.samples.sample.3.portions.portion.slides.slide.percent_monocyte_infiltration:
  0    1    2    20 NA's
 15    4    1    1  422

patient.samples.sample.3.portions.portion.slides.slide.percent_necrosis:
  0    1 NA's
 12    1  430

patient.samples.sample.3.portions.portion.slides.slide.percent_neutrophil_infiltration:
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.    NA's
 0.000  0.000  0.000  2.191  1.000  20.000  422

patient.samples.sample.3.portions.portion.slides.slide.percent_normal_cells:
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.    NA's
 0.00  15.00  100.00  66.77  100.00  100.00  430

patient.samples.sample.3.portions.portion.slides.slide.percent_stromal_cells:
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.    NA's
 0.00  0.00  0.00  33.15  85.00  100.00  430

patient.samples.sample.3.portions.portion.slides.slide.percent_tumor_cells:
  0 NA's
 13  430

patient.samples.sample.3.portions.portion.slides.slide.percent_tumor_nuclei:
  0 NA's
 13  430

patient.samples.sample.3.portions.portion.slides.slide.section_location:
bottom    top    NA's
   1     53   389

patient.samples.sample.3.portions.portion.weight:
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.    NA's
 20.00  30.00  59.00  50.73  68.00  77.00  394

patient.samples.sample.3.portions.portion.year_of_creation:
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.    NA's
 2010  2011  2012  2012  2012  2014  389

patient.samples.sample.3.sample_type:
solid tissue normal          NA's
                   54          389

patient.samples.sample.3.sample_type_id:
  11 NA's
  54 389

patient.samples.sample.3.shortest_dimension:
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.    NA's

```

0.2000 0.4000 0.5000 0.5049 0.6000 1.0000 402

patient.samples.sample.3.vial_number:

a NA's
54 389

patient.samples.sample.days_to_collection:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
8.0	144.2	465.0	797.5	1046.5	4752.0	239

patient.samples.sample.initial_weight:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
5.0	90.0	160.0	299.1	320.0	2420.0	238

patient.samples.sample.intermediate_dimension:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0.200	0.700	1.000	1.096	1.500	2.500	211

patient.samples.sample.is_ffpe:

no
443

patient.samples.sample.longest_dimension:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0.30	1.10	1.70	1.75	2.40	3.50	211

patient.samples.sample.oct_embedded:

false true NA's
128 77 238

patient.samples.sample.portions.portion.analytes.analyte.2.a260_a280_ratio:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1.300	1.800	1.820	1.824	1.870	2.020	114

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.2.bi

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
160339596	160340725	160348968	160348718	160356924	160356949	423

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.2.co

13 31 NA's
188 20 235

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.2.co

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
------	---------	--------	------	---------	------	------

```

0.1400 0.1600 0.1700 0.1671 0.1700 0.1800 235

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.2.da
  Min. 1st Qu.  Median      Mean 3rd Qu.    Max.    NA's
  12.00  19.00  25.00   23.75  28.00   30.00   235

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.2.is
  no NA's
  208 235

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.2.mo
  Min. 1st Qu.  Median      Mean 3rd Qu.    Max.    NA's
  1.000  5.000  7.000   7.673 12.000  12.000   235

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.2.pl
  Min. 1st Qu.  Median      Mean 3rd Qu.    Max.    NA's
  1.000  2.000  3.000   3.524  5.000  8.000   235

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.2.qu
  Min. 1st Qu.  Median      Mean 3rd Qu.    Max.    NA's
  0.0000 0.0000 0.0000 0.3269 0.0000  3.6000   235

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.2.so
  23 NA's
  208 235

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.2.vo
  0 20 NA's
  188 20 235

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.2.ye
  2012 2013 2014 NA's
  70 45 93 235

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.3.bi
  164079928 164082150 164082232 NA's
  1 1 1 440

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.3.ce
  13 31 NA's
  7 3 433

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.3.co
  Min. 1st Qu.  Median      Mean 3rd Qu.    Max.    NA's
  0.1400 0.1525 0.1650 0.1640 0.1775 0.1800 433

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.3.da
  29 NA's

```

```

10 433

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.3.is
no NA's
10 433

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.3.mo
1 NA's
10 433

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.3.pl
1 2 8 NA's
4 3 3 433

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.3.pl
a360 a36d NA's
7 3 433

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.3.qu
0 3.26 3.96 NA's
7 1 2 433

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.3.so
23 NA's
10 433

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.3.vo
0 23.3 NA's
7 3 433

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.3.ye
2014 NA's
10 433

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.4.bi
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
164082167 164082180 164082214 164082205 164082228 164082239 436

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.4.ce
31 NA's
7 436

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.4.co
0.15 0.16 0.18 NA's
2 2 3 436

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.4.da
29 NA's
7 436

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```

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.4.is
  no NA's
    7 436

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.4.mo
  1 NA's
    7 436

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.4.pl
  7    8 NA's
  4    3 436

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.4.pl
a36d NA's
  7 436

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.4.qu
  3.5 3.73 4.19 NA's
    2    2    3 436

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.4.so
  23 NA's
    7 436

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.4.vo
23.3 NA's
  7 436

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.4.ye
2014 NA's
  7 436

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.bios
  Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
9.889e+07 1.244e+08 1.641e+08 4.189e+08 1.062e+09 1.076e+09 20

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.cent
  13 31
258 185

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.conc
  Min. 1st Qu. Median Mean 3rd Qu. Max.
0.1300 0.1500 0.1600 0.1581 0.1700 0.1800

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.day_
  Min. 1st Qu. Median Mean 3rd Qu. Max.
6.00 16.00 19.00 19.81 28.00 30.00

```

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.is_d
no
443

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.mont
Min. 1st Qu. Median Mean 3rd Qu. Max.
1.000 5.000 7.000 7.298 9.000 12.000

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.plat
Min. 1st Qu. Median Mean 3rd Qu. Max.
1.000 2.000 3.000 3.237 5.000 8.000

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.quant
Min. 1st Qu. Median Mean 3rd Qu. Max.
0.000 3.200 3.600 4.172 5.000 7.940

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.sour
22 23
238 205

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.volun
0 20 33.3 41.6 46.7
20 214 161 1 47

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.year
2010 2011 2012 2013 2014
48 87 173 45 90

patient.samples.sample.portions.portion.analytes.analyte.2.amount:
Min. 1st Qu. Median Mean 3rd Qu. Max.
6.37 44.98 76.10 142.33 219.20 765.70

patient.samples.sample.portions.portion.analytes.analyte.2.analyte_type:
rna
443

patient.samples.sample.portions.portion.analytes.analyte.2.analyte_type_id:
r
443

patient.samples.sample.portions.portion.analytes.analyte.2.concentration:
Min. 1st Qu. Median Mean 3rd Qu. Max.
0.1300 0.1500 0.1600 0.1581 0.1700 0.1800

patient.samples.sample.portions.portion.analytes.analyte.2.gel_image_file:
<https://sharedoc.nchri.org/tcga-bcr/default.aspx>
443

patient.samples.sample.portions.portion.analytes.analyte.2.is_derived_from_ffpe:
no
443

patient.samples.sample.portions.portion.analytes.analyte.2.protocols.protocol.ex
mirvana (allprep dna) rna
443

patient.samples.sample.portions.portion.analytes.analyte.2.rna.ratio_28s_18s:
Min. 1st Qu. Median Mean 3rd Qu. Max.
0.000 1.450 1.620 1.611 1.800 2.500

patient.samples.sample.portions.portion.analytes.analyte.2.rna.rinvalue:
Min. 1st Qu. Median Mean 3rd Qu. Max.
7.000 7.500 8.300 8.297 9.000 10.000

patient.samples.sample.portions.portion.analytes.analyte.2.spectrophotometer_met
uv spec
443

patient.samples.sample.portions.portion.analytes.analyte.2.subportion_sequence:
1 2 3 NA's
323 51 4 65

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.2.bi
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
100503323 100503827 100503852 100507388 100515324 100515380 395

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.2.ce
10 NA's
48 395

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.2.co
0.5 NA's
48 395

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.2.da
16 26 NA's
33 15 395

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.2.is
no NA's
48 395

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.2.mo
7 8 NA's
15 33 395

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.2.pl
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's

```

1.000  2.000  3.000  3.458  4.250  11.000  395

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.2.pl
1147 1177 NA's
  15  33  395

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.2.qu
  40 NA's
  48  395

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.2.so
  22 NA's
  48  395

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.2.vo
  80 NA's
  48  395

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.2.ye
2010 NA's
  48  395

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.bios
  Min.  1st Qu.  Median  Mean  3rd Qu.  Max.  NA's
1.005e+08 1.136e+08 1.323e+08 1.999e+08 1.641e+08 1.054e+09 121

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.cent
  8 NA's
  322 121

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.conc
  0.5 NA's
  322 121

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.day_
  Min. 1st Qu.  Median  Mean 3rd Qu.  Max.  NA's
  1.00  8.00  21.00  18.25  27.50  30.00  121

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.is_d
  no NA's
  322 121

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.mont
  Min. 1st Qu.  Median  Mean 3rd Qu.  Max.  NA's
  1.000  3.000  5.000  5.118  7.000  10.000  121

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.plat
  Min. 1st Qu.  Median  Mean 3rd Qu.  Max.  NA's
  1.000  2.000  4.000  5.003  7.000  12.000  121

```



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patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.quant
  40 NA's
  322 121

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.sour
  22 23 NA's
  145 177 121

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.volu
  80 NA's
  322 121

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.year
  Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
  2010 2011 2013 2012 2013 2014 121

patient.samples.sample.portions.portion.analytes.analyte.3.amount:
  Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
  0.0 95.0 165.0 136.5 181.0 208.0 298

patient.samples.sample.portions.portion.analytes.analyte.3.analyte_type:
repli-g (qiagen) dna NA's
 322 121

patient.samples.sample.portions.portion.analytes.analyte.3.analyte_type_id:
 w NA's
 322 121

patient.samples.sample.portions.portion.analytes.analyte.3.concentration:
  0.5 NA's
  145 298

patient.samples.sample.portions.portion.analytes.analyte.3.dna.normal_tumor_genom
yes NA's
 322 121

patient.samples.sample.portions.portion.analytes.analyte.3.dna.pcr_amplification
no yes NA's
 145 177 121

patient.samples.sample.portions.portion.analytes.analyte.3.gel_image_file:
https://sharedoc.nchri.org/tcga-bcr/default.aspx
 322
NA's
 121

patient.samples.sample.portions.portion.analytes.analyte.3.is_derived_from_ffpe:

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```

no NA's
322 121

patient.samples.sample.portions.portion.analytes.analyte.3.protocols.protocol.ex
repli-g repli-g x      NA's
293      29      121

patient.samples.sample.portions.portion.analytes.analyte.3.spectrophotometer_met
picogreen uv spec      NA's
68      77      298

patient.samples.sample.portions.portion.analytes.analyte.3.subportion_sequence:
1 2 3 NA's
216 40 2 185

patient.samples.sample.portions.portion.analytes.analyte.4.aliquots.aliquot.2.bi
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
100502459 100502485 100502510 100504354 100508421 100508485 395

patient.samples.sample.portions.portion.analytes.analyte.4.aliquots.aliquot.2.ce
10 NA's
48 395

patient.samples.sample.portions.portion.analytes.analyte.4.aliquots.aliquot.2.co
0.5 NA's
48 395

patient.samples.sample.portions.portion.analytes.analyte.4.aliquots.aliquot.2.da
16 26 NA's
33 15 395

patient.samples.sample.portions.portion.analytes.analyte.4.aliquots.aliquot.2.is
no NA's
48 395

patient.samples.sample.portions.portion.analytes.analyte.4.aliquots.aliquot.2.mo
7 8 NA's
15 33 395

patient.samples.sample.portions.portion.analytes.analyte.4.aliquots.aliquot.2.pl
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
1.000 2.000 3.000 3.458 4.250 11.000 395

patient.samples.sample.portions.portion.analytes.analyte.4.aliquots.aliquot.2.pl
1148 1178 NA's
15 33 395

patient.samples.sample.portions.portion.analytes.analyte.4.aliquots.aliquot.2.qu
40 NA's

```

48 395

patient.samples.sample.portions.portion.analytes.analyte.4.aliquots.aliquot.2.so

22 NA's

48 395

patient.samples.sample.portions.portion.analytes.analyte.4.aliquots.aliquot.2.vo

80 NA's

48 395

patient.samples.sample.portions.portion.analytes.analyte.4.aliquots.aliquot.2.ye

2010 NA's

48 395

patient.samples.sample.portions.portion.analytes.analyte.4.aliquots.aliquot.bios

	Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
100500563	100502195	100502222	100507180	100518396	100518468		395

patient.samples.sample.portions.portion.analytes.analyte.4.aliquots.aliquot.cent

8 NA's

48 395

patient.samples.sample.portions.portion.analytes.analyte.4.aliquots.aliquot.conc

0.5 NA's

48 395

patient.samples.sample.portions.portion.analytes.analyte.4.aliquots.aliquot.day_

16 26 NA's

33 15 395

patient.samples.sample.portions.portion.analytes.analyte.4.aliquots.aliquot.is_d

no NA's

48 395

patient.samples.sample.portions.portion.analytes.analyte.4.aliquots.aliquot.mont

7 8 NA's

15 33 395

patient.samples.sample.portions.portion.analytes.analyte.4.aliquots.aliquot.plat

	Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1.000	2.000	3.000	3.458	4.250	11.000		395

patient.samples.sample.portions.portion.analytes.analyte.4.aliquots.aliquot.plat

1144 1176 NA's

15 33 395

patient.samples.sample.portions.portion.analytes.analyte.4.aliquots.aliquot.quan

40 NA's

48 395

```

patient.samples.sample.portions.portion.analytes.analyte.4.aliquots.aliquot.source
  22 NA's
  48 395

patient.samples.sample.portions.portion.analytes.analyte.4.aliquots.aliquot.volume
  80 NA's
  48 395

patient.samples.sample.portions.portion.analytes.analyte.4.aliquots.aliquot.year
2010 NA's
  48 395

patient.samples.sample.portions.portion.analytes.analyte.4.amount:
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.    NA's
  0.00   0.00   57.50   42.58   65.25   98.00   395

patient.samples.sample.portions.portion.analytes.analyte.4.analyte_type:
repli-g x (qiagen) dna                      NA's
                    48                      395

patient.samples.sample.portions.portion.analytes.analyte.4.analyte_type_id:
  x NA's
  48 395

patient.samples.sample.portions.portion.analytes.analyte.4.concentration:
  0.5 NA's
  48 395

patient.samples.sample.portions.portion.analytes.analyte.4.dna.normal_tumor_genome
yes NA's
  48 395

patient.samples.sample.portions.portion.analytes.analyte.4.dna.pcr_amplification
no NA's
  48 395

patient.samples.sample.portions.portion.analytes.analyte.4.gel_image_file:
https://sharedoc.nchri.org/tcga-bcr/default.aspx
                    48
                    NA's
                    395

patient.samples.sample.portions.portion.analytes.analyte.4.is_derived_from_ffpe:
no NA's
  48 395

patient.samples.sample.portions.portion.analytes.analyte.4.protocols.protocol.ex
repli-g x          NA's
  48          395

```

patient.samples.sample.portions.portion.analytes.analyte.4.spectrophotometer_met
 uv spec NA's
 48 395

patient.samples.sample.portions.portion.analytes.analyte.a260_a280_ratio:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 1.800 1.900 1.900 1.901 1.900 2.000 326

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.2.bios
 Min. 1st Qu. Median Mean 3rd Qu. Max.
 9.889e+07 1.323e+08 1.604e+08 4.072e+08 1.062e+09 1.076e+09

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.2.cent
 1 2 8 10
 363 65 2 13

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.2.conc
 0.13 0.14 0.15 0.16 0.17
 11 92 193 102 45

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.2.day_
 Min. 1st Qu. Median Mean 3rd Qu. Max.
 6.00 16.00 19.00 19.32 28.00 30.00

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.2.is_d
 no
 443

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.2.mont
 Min. 1st Qu. Median Mean 3rd Qu. Max.
 1.00 5.00 7.00 7.05 9.00 12.00

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.2.plat
 Min. 1st Qu. Median Mean 3rd Qu. Max.
 1.00 2.00 5.00 4.91 7.00 12.00

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.2.quan
 Min. 1st Qu. Median Mean 3rd Qu. Max.
 0.870 1.000 1.010 1.146 1.070 2.260

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.2.sour
 22 23
 238 205

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.2.vol
 6.67 6.7 10 13.3
 126 250 18 49

```

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.2.year
2010 2011 2012 2013 2014
  48   87  173   35  100

```

```

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.3.bios
  Min. 1st Qu.  Median  Mean 3rd Qu.  Max.
9.889e+07 1.322e+08 1.604e+08 4.072e+08 1.062e+09 1.076e+09

```

```

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.3.cent
  1  2  5  8 10
65 13 83 280  2

```

```

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.3.conc
  Min. 1st Qu.  Median  Mean 3rd Qu.  Max.
0.05000 0.05000 0.08000 0.09625 0.15000 0.17000

```

```

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.3.day_
  Min. 1st Qu.  Median  Mean 3rd Qu.  Max.
  6.00  16.00  19.00  19.32  28.00  30.00

```

```

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.3.is_d
no
443

```

```

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.3.mont
  Min. 1st Qu.  Median  Mean 3rd Qu.  Max.
  1.00   5.00   7.00   7.05   9.00  12.00

```

```

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.3.plat
  Min. 1st Qu.  Median  Mean 3rd Qu.  Max.
  1.000  2.000  5.000  4.914  7.000  12.000

```

```

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.3.quant
  Min. 1st Qu.  Median  Mean 3rd Qu.  Max.
  0.870  2.080  3.000  2.636  3.200  4.270

```

```

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.3.sour
  22 23
238 205

```

```

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.3.volu
  Min. 1st Qu.  Median  Mean 3rd Qu.  Max.
  6.67  13.00  40.00  35.61  60.00  60.00

```

```

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.3.year
2010 2011 2012 2013 2014
  48   87  173   35  100

```

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.4.bios

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.
9.889e+07	1.317e+08	1.508e+08	3.454e+08	1.742e+08	1.076e+09

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.4.cent

2	5	8
2	294	147

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.4.conc

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.
0.0500	0.0800	0.1500	0.1286	0.1500	0.1700

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.4.day_

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.
6.00	16.00	19.00	19.81	28.00	30.00

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.4.is_d

no
443

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.4.mont

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.
1.000	5.000	7.000	7.298	9.000	12.000

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.4.plat

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.
1.000	2.000	5.000	5.014	7.000	12.000

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.4.quant

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.
1.300	1.950	2.000	2.263	2.260	4.270

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.4.sour

22 23
238 205

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.4.vol

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.
10.00	13.00	13.30	22.19	40.00	60.00

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.4.year

2010	2011	2012	2013	2014
48	87	173	45	90

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.5.bios

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
9.889e+07	1.005e+08	1.070e+08	2.269e+08	1.641e+08	1.054e+09	309

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.5.cent

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1.000	5.000	5.000	6.566	8.500	23.000	307

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.5.conc

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0.0700	0.1400	0.1400	0.1361	0.1500	0.1700	309

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.5.day_

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
6.00	10.00	16.00	16.46	21.00	28.00	309

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.5.is_d

no NA's
134 309

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.5.mont

2	3	6	7	NA's
22	25	23	64	309

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.5.plat

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1	1	2	3	3	11	309

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.5.quant

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0.870	1.010	1.305	1.903	2.000	4.540	309

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.5.sour

22	23	NA's
112	24	307

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.5.vol

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
6.70	6.70	13.30	13.78	13.40	26.70	309

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.5.year

2010	2011	2014	NA's
48	64	22	309

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.6.bios

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
9.889e+07	1.641e+08	1.641e+08	2.062e+08	1.641e+08	1.076e+09	365

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.6.cent

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1.00	8.00	8.00	10.05	8.00	26.00	358

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.6.conc

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0.0700	0.0700	0.0800	0.0878	0.0800	0.1600	365

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.6.day_

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
10.00	10.00	10.00	13.32	10.00	30.00	365

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.6.is_d
no NA's
78 365

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.6.mont

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1.000	2.000	2.000	3.013	2.000	9.000	365

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.6.plat

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1.000	2.000	4.000	4.641	6.750	12.000	365

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.6.quan

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0.940	0.940	1.070	1.335	1.070	6.400	365

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.6.sour
22 23 NA's
7 78 358

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.6.vol

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
6.70	13.40	13.40	14.63	13.40	40.00	365

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.6.year

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
2010	2014	2014	2014	2014	2015	365

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.7.bios

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
132268908	164052694	164052735	161607864	164052764	164053278	430

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.7.cent
8 23 NA's
13 33 397

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.7.conc

0.07 0.08 NA's
7 6 430

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.7.day_10 30 NA's
12 1 430

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.7.is_d no NA's
13 430

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.7.mont 2 4 NA's
12 1 430

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.7.plat
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
1 2 7 6 9 10 430

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.7.plat
a290 a36q a36r yyyy NA's
1 11 1 33 397

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.7.quant 0.94 1.07 1.4 NA's
6 6 1 430

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.7.sour 23 NA's
46 397

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.7.vol 13.4 20 NA's
12 1 430

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.7.year 2013 2014 NA's
1 12 430

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.8.bios 164052709 167811830 NA's
1 1 441

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.8.cent 8 9 23 NA's
1 1 9 432

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.8.conc 0.07 0.08 NA's

```

1      1      441

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.8.day_
10    21 NA's
1      1      441

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.8.is_d
no NA's
2      441

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.8.mont
1      2 NA's
1      1      441

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.8.plat
2      11 NA's
1      1      441

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.8.plat
a36q a46a yyyy NA's
1      1      9      432

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.8.plat
e      g NA's
1      1      441

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.8.quan
0.94 1.07 NA's
1      1      441

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.8.sour
23 NA's
11      432

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.8.volu
13.4 NA's
2      441

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.8.year
2014 2015 NA's
1      1      441

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.biospe
      Min.    1st Qu.    Median    Mean    3rd Qu.    Max.    NA's
98886760 99697442 100507547 100606347 100507596 107032242    392

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.center
1      2      8      23
2      36     13     392

```

```
patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.concen
0.13 0.14 0.15 0.16 NA's
  5  20  22   4 392
```

```
patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.day_of
 16  21  23  28 NA's
  4  13   2  32 392
```

```
patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.is_den
no NA's
 51 392
```

```
patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.month_
  3   7   8 NA's
  4  45   2 392
```

```
patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.plate_
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.    NA's
  1.00   2.00   3.00   3.02   4.00   6.00   392
```

```
patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.plate_
1126 1154 1181 1598 yyyy
  13  32   2   4 392
```

```
patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.quantit
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.    NA's
 0.940  1.550  1.860  1.768  2.000  2.130   392
```

```
patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.source
 22 23
 51 392
```

```
patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.volume
 6.7  10 13.3 NA's
  2  13  36 392
```

```
patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.year_o
2010 2011 NA's
 47   4 392
```

```
patient.samples.sample.portions.portion.analytes.analyte.amount:
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.
  0.00  30.38   62.05 137.21 238.35  583.70
```

```
patient.samples.sample.portions.portion.analytes.analyte.analyte_type:
dna
443
```

```
patient.samples.sample.portions.portion.analytes.analyte.analyte_type_id:
d
443
```

```
patient.samples.sample.portions.portion.analytes.analyte.concentration:
0.13 0.14 0.15 0.16 0.17
  11  92 193 102  45
```

```
patient.samples.sample.portions.portion.analytes.analyte.dna.normal_tumor_genoty
yes
443
```

```
patient.samples.sample.portions.portion.analytes.analyte.dna.pcr_amplification_s
no yes
238 205
```

```
patient.samples.sample.portions.portion.analytes.analyte.gel_image_file:
https://sharedoc.nchri.org/tcga-bcr/default.aspx
                                     443
```

```
patient.samples.sample.portions.portion.analytes.analyte.is_derived_from_ffpe:
no
443
```

```
patient.samples.sample.portions.portion.analytes.analyte.protocols.protocol.expe
adna preparation type
                                     443
```

```
patient.samples.sample.portions.portion.analytes.analyte.spectrophotometer_metho
picogreen  uv spec
          326          117
```

```
patient.samples.sample.portions.portion.analytes.analyte.subportion_sequence:
  1    2    3 NA's
323  51    4   65
```

```
patient.samples.sample.portions.portion.day_of_creation:
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.
  1.00   9.00  14.00  14.89  21.00   31.00
```

```
patient.samples.sample.portions.portion.is_ffpe:
no
443
```

```
patient.samples.sample.portions.portion.lce:
lce NA's
  1  442
```

```
patient.samples.sample.portions.portion.month_of_creation:
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.
  1.000   4.000   6.000   6.546  10.000  12.000
```

patient.samples.sample.portions.portion.portion_number:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.
1.00	11.00	11.00	11.48	11.00	91.00

patient.samples.sample.portions.portion.portion_sequence:

1	2	3	9 NA's
108	25	7	1 302

patient.samples.sample.portions.portion.slides.slide.2.is_derived_from_ffpe:

no NA's
201 242

patient.samples.sample.portions.portion.slides.slide.2.percent_lymphocyte_infiltration:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1.00	5.00	10.00	10.82	15.00	20.00	392

patient.samples.sample.portions.portion.slides.slide.2.percent_monocyte_infiltration:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0.000	0.000	0.000	1.178	2.000	10.000	398

patient.samples.sample.portions.portion.slides.slide.2.percent_necrosis:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0.00	0.00	0.00	2.98	5.00	20.00	242

patient.samples.sample.portions.portion.slides.slide.2.percent_neutrophil_infiltration:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0.000	1.000	5.000	5.553	9.000	35.000	396

patient.samples.sample.portions.portion.slides.slide.2.percent_normal_cells:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0.000	0.000	0.000	4.849	5.000	57.000	244

patient.samples.sample.portions.portion.slides.slide.2.percent_stromal_cells:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0.00	5.00	10.00	14.73	20.00	70.00	245

patient.samples.sample.portions.portion.slides.slide.2.percent_tumor_cells:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
30.00	70.00	80.00	77.58	88.00	100.00	244

patient.samples.sample.portions.portion.slides.slide.2.percent_tumor_nuclei:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0	70	75	74	80	90	242

patient.samples.sample.portions.portion.slides.slide.2.section_location:

bottom	top	NA's
3	198	242

patient.samples.sample.portions.portion.slides.slide.is_derived_from_ffpe:
no
443

patient.samples.sample.portions.portion.slides.slide.percent_lymphocyte_infiltrati
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
0.00 2.00 5.00 10.91 15.00 100.00 175

patient.samples.sample.portions.portion.slides.slide.percent_monocyte_infiltrati
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
0.000 0.000 0.000 2.726 2.000 20.000 184

patient.samples.sample.portions.portion.slides.slide.percent_necrosis:
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
0.000 0.000 0.000 2.604 4.750 20.000 1

patient.samples.sample.portions.portion.slides.slide.percent_neutrophil_infiltra
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
0.000 0.000 0.500 4.084 5.000 100.000 181

patient.samples.sample.portions.portion.slides.slide.percent_normal_cells:
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
0.000 0.000 0.000 5.715 8.000 95.000 8

patient.samples.sample.portions.portion.slides.slide.percent_stromal_cells:
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
0.00 5.00 15.00 16.47 24.50 84.00 8

patient.samples.sample.portions.portion.slides.slide.percent_tumor_cells:
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
5.00 65.00 80.00 75.18 90.00 100.00 8

patient.samples.sample.portions.portion.slides.slide.percent_tumor_nuclei:
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
5.00 65.00 75.00 72.15 80.00 100.00 1

patient.samples.sample.portions.portion.slides.slide.section_location:
bottom top
198 245

patient.samples.sample.portions.portion.weight:
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
5.0 30.0 30.0 31.8 35.0 107.0 6

patient.samples.sample.portions.portion.year_of_creation:
2010 2011 2012 2013 2014
50 87 171 89 46

patient.samples.sample.portions.shipment_portion.center_id:
 20 NA's
 357 86

patient.samples.sample.portions.shipment_portion.is_ffpe:
 no NA's
 357 86

patient.samples.sample.portions.shipment_portion.portion_number:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 11.00 21.00 21.00 20.64 21.00 81.00 86

patient.samples.sample.portions.shipment_portion.portion_sequence:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 1.00 2.00 2.00 1.97 2.00 8.00 138

patient.samples.sample.portions.shipment_portion.shipment_portion_day_of_shipment:
 1 24 NA's
 264 93 86

patient.samples.sample.portions.shipment_portion.shipment_portion_month_of_shipment:
 4 6 NA's
 264 93 86

patient.samples.sample.portions.shipment_portion.shipment_portion_year_of_shipment:
 2013 2014 NA's
 264 93 86

patient.samples.sample.sample_type:
 primary tumor
 443

patient.samples.sample.sample_type_id:
 1
 443

patient.samples.sample.shortest_dimension:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 0.1000 0.4000 0.5000 0.4509 0.5000 1.0000 211

patient.samples.sample.vial_number:
 a b
 441 2

Lauren.Class:
 Diffuse Intestinal Mixed NA's
 69 196 19 159

Intestinal.Type.Subclass:
 Mucinous Papillary Tubular NA's

18	22	140	263
----	----	-----	-----

Signet.Ring:

0	1	NA's
47	22	374

Pathologic.M:

M0	M1	MX	NA's
273	20	2	148

Anatomic.Region:

ANTRUM	FUNDUS_BODY	GEJ_CARDIA	NA's
114	116	57	156

Residual.Tumor:

R0	R1	R2	RX	NA's
232	9	10	25	167

Age.at.Initial.Diagnosis:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
34.50	58.65	67.66	66.43	74.05	90.00	151

Gender:

FEMALE	MALE	NA's
113	182	148

Race:

ASIAN	BLACK_OR_AFRICAN_AMERICAN	WHITE
77	4	172
NA's		
190		

Vital.Status:

DECEASED	LIVING	NA's
57	238	148

Days.to.Last.Follow.up:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0.0	0.0	143.0	262.6	411.0	3196.0	170

Days.to.Death:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0.0	128.0	279.0	399.5	448.0	2197.0	386

Recurrence:

NO	YES	NA's
170	31	242

Days.to.Recurrence:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
46.0	181.5	348.0	387.8	411.5	1949.0	412

Molecular.Subtype:

CIN	EBV	GS	MSI	NA's
147	26	58	64	148

Total.Mutation.Rate:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0.033	3.250	5.638	16.844	11.529	282.946	154

Hypermutated:

0	1	NA's
226	63	154

MLH1.Epigenetically.Silenced:

FALSE	TRUE	NA's
183	37	223

CDKN2A.Epigenetically.Silenced:

FALSE	TRUE	NA's
153	67	223

MSI.status:

MSI-H	MSI-L	MSS	NA's
64	44	187	148

EBV.positive:

0	1	NA's
269	26	148

TP53.mutation:

0	1	NA's
152	137	154

PIK3CA.mutation:

0	1	NA's
232	57	154

KRAS.mutation:

0	1	NA's
261	28	154

ARID1A.mutation:

0	1	NA's
199	90	154

RHOA.mutation:

0	1	NA's
273	16	154

ARHGAP26.ARHGAP6.CLDN18.Rearrangement:

0	1	NA's
271	13	159

MET.Skipped.Exon.2:

0	1	NA's
190	82	171

MET.Skipped.Exons.18.and.19:

0	1	NA's
250	22	171

ABSOLUTE.Ploidy:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1.220	2.000	2.120	2.627	3.047	7.770	165

ABSOLUTE.Purity:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0.1700	0.3700	0.5400	0.5631	0.7300	1.0000	165

Estimated.Leukocyte.Percentage:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0.0120	0.1180	0.1990	0.2131	0.2950	0.5690	150

Percent.Tumor.Nuclei:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
20.00	70.00	75.00	73.15	80.00	100.00	148

Percent.Tumor.Cells:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0.00	65.00	78.00	74.01	88.00	100.00	148

Percent.Lymphocyte.Infiltration:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0.000	0.000	0.000	3.759	5.000	100.000	148

Gene.Expression.Cluster:

C1	C2	C3	C4	NA's
49	59	98	48	189

Copy.Number.Cluster:

High	Low	NA's
159	134	150

Methylation.Cluster:

C1	C2	C3	C4	NA's
28	77	73	117	148

CIMP.Category:

GASTRIC-CIMP	GASTRIC-EBV-CIMP	OTHER	NA's
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77

28

190

148

TGCT

*Testicular Germ Cell Tumors***Description**

A document describing the TCGA cancer code

Details

```
> experiments( TGCT )
ExperimentList class object of length 9:
 [1] CNASNP-20160128: RaggedExperiment with 137968 rows and 271 columns
 [2] CNVSNP-20160128: RaggedExperiment with 25479 rows and 271 columns
 [3] GISTIC_AllByGene-20160128: SummarizedExperiment with 24776 rows and 134 columns
 [4] GISTIC_ThresholdedByGene-20160128: SummarizedExperiment with 24776 rows and 134 columns
 [5] Methylation-20160128: SummarizedExperiment with 485577 rows and 139 columns
 [6] miRNASeqGene-20160128: SummarizedExperiment with 1046 rows and 139 columns
 [7] Mutation-20160128: RaggedExperiment with 14672 rows and 138 columns
 [8] RNASeq2GeneNorm-20160128: SummarizedExperiment with 20501 rows and 139 columns
 [9] RPPAArray-20160128: SummarizedExperiment with 192 rows and 107 columns

> rownames( TGCT )
CharacterList of length 9
[["CNASNP-20160128"]] character(0)
[["CNVSNP-20160128"]] character(0)
[["GISTIC_AllByGene-20160128"]] ACAP3 ACTRT2 ... WASIR1|ENSG00000185203.7
[["GISTIC_ThresholdedByGene-20160128"]] ACAP3 ... WASIR1|ENSG00000185203.7
[["Methylation-20160128"]] cg00000029 cg00000108 ... rs966367 rs9839873
[["miRNASeqGene-20160128"]] hsa-let-7a-1 hsa-let-7a-2 ... hsa-mir-99b
[["Mutation-20160128"]] character(0)
[["RNASeq2GeneNorm-20160128"]] A1BG A1CF A2BP1 A2LD1 ... ZZZ3 psiTPTE22 tAKR
[["RPPAArray-20160128"]] 14-3-3_beta 14-3-3_epsilon ... p90RSK_pT359_S363

> colnames( TGCT )
CharacterList of length 9
[["CNASNP-20160128"]] TCGA-2G-AAEW-01A-11D-A42X-01 ...
[["CNVSNP-20160128"]] TCGA-2G-AAEW-01A-11D-A42X-01 ...
[["GISTIC_AllByGene-20160128"]] TCGA-2G-AAEW-01A-11D-A42X-01 ...
[["GISTIC_ThresholdedByGene-20160128"]] TCGA-2G-AAEW-01A-11D-A42X-01 ...
[["Methylation-20160128"]] TCGA-2G-AAEW-01A-11D-A42Z-05 ...
[["miRNASeqGene-20160128"]] TCGA-2G-AAEW-01A-11R-A439-13 ...
[["Mutation-20160128"]] TCGA-2G-AAEW-01A-11D-A42Y-10 ...
[["RNASeq2GeneNorm-20160128"]] TCGA-2G-AAEW-01A-11R-A430-07 ...
[["RPPAArray-20160128"]] TCGA-2G-AAEW-01A-21-A45P-20 ...
```

Sizes of each ExperimentList element:

assay size.Mb

1	CNASNP-20160128	3.8 Mb
2	CNVSNP-20160128	0.8 Mb
3	GISTIC_AllByGene-20160128	4.3 Mb
4	GISTIC_ThresholdedByGene-20160128	4.3 Mb
5	Methylation-20160128	67.4 Mb
6	miRNASeqGene-20160128	0.1 Mb
7	Mutation-20160128	9.5 Mb
8	RNASeq2GeneNorm-20160128	1.1 Mb
9	RPPAArray-20160128	0 Mb

Overall survival time-to-event summary (in years):

Call: survfit(formula = survival::Surv(colDat\$days_to_death/365, colDat\$vital_status - 1)

130 observations deleted due to missingness
n events median 0.95LCL 0.95UCL
4.0000 4.0000 1.5493 0.0466 NA

Available sample meta-data:

years_to_birth:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.
14.00	26.00	31.00	31.99	37.00	67.00

vital_status:

0	1
130	4

days_to_death:

17	513	618	6972	NA's
1	1	1	1	130

days_to_last_followup:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
3.0	688.2	1265.5	2092.7	2826.2	7437.0	4

tumor_tissue_site:

testes
134

pathology_T_stage:

t1	t2	t3	tx
76	51	6	1

pathology_N_stage:

n0	n1	n2	nx	NA's
46	11	2	65	10

pathology_M_stage:

m0	m1	m1a	m1b	NA's
115	2	1	1	15

gender:

male
134

date_of_initial_pathologic_diagnosis:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.
1992	2006	2009	2008	2012	2013

radiation_therapy:

no	yes	NA's
111	21	2

karnofsky_performance_score:

80	90	100	NA's
5	41	56	32

race:

asian	black	or african american	white
4		6	119
NA's			
5			

ethnicity:

hispanic or latino	not hispanic or latino	NA's
12	111	11

admin.bcr:

nationwide children's hospital
134

admin.day_of_dcc_upload:

1
134

admin.disease_code:

tgct
134

admin.month_of_dcc_upload:

10
134

admin.patient_withdrawal.withdrawn:

false
134

admin.project_code:
tcga
134

admin.year_of_dcc_upload:
2015
134

patient.blood_relative_cancer_history_list.blood_relative_cancer_history.3.family
grandfather grandmother other NA's
2 1 5 126

patient.blood_relative_cancer_history_list.blood_relative_cancer_history.4.family
grandmother other NA's
1 2 131

patient.blood_relative_cancer_history_list.blood_relative_cancer_history.4.relationship
breast lung and prostate cancer NA's
2 1 131

patient.clinical_cqcf.consent_or_death_status:
consented deceased
133 1

patient.clinical_cqcf.country:
brazil croatia netherlands russia united states
10 8 64 4 48

patient.clinical_cqcf.days_to_consent:
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
-232.0 -1.0 20.0 863.4 1819.0 6138.0 1

patient.clinical_cqcf.days_to_death:
618 NA's
1 133

patient.clinical_cqcf.history_of_neoadjuvant_treatment:
no
134

patient.clinical_cqcf.normal_tissue_proximity:
distal (>2cm) NA's
5 129

```

patient.clinical_cqcf.tumor_type:
primary
    134

patient.day_of_form_completion:
    Min. 1st Qu.  Median    Mean 3rd Qu.  Max.
    3.00   4.00   8.00  12.17  20.00  30.00

patient.days_to_birth:
    Min. 1st Qu.  Median    Mean 3rd Qu.  Max.
   -24759  -13857  -11543  -11857   -9575  -5321

patient.days_to_death:
    17  513  618 NA's
     1   1   1  131

patient.days_to_last_followup:
    Min. 1st Qu.  Median    Mean 3rd Qu.  Max.  NA's
     -11    335   1067   1466   2032   6279    3

patient.drugs.drug.2.day_of_form_completion:
    Min. 1st Qu.  Median    Mean 3rd Qu.  Max.  NA's
     5.00   21.00   28.00   23.51   28.00   30.00   79

patient.drugs.drug.2.days_to_drug_therapy_end:
    Min. 1st Qu.  Median    Mean 3rd Qu.  Max.  NA's
    13.0    71.0    83.5   291.9   191.8  3420.0   80

patient.drugs.drug.2.days_to_drug_therapy_start:
    Min. 1st Qu.  Median    Mean 3rd Qu.  Max.  NA's
    -4.0    11.0    24.0   238.6   136.5  3349.0   79

patient.drugs.drug.2.measure_of_response:
clinical progressive disease          complete response
                                1                                39
                                partial response                NA's
                                12                                82

patient.drugs.drug.2.month_of_form_completion:
    Min. 1st Qu.  Median    Mean 3rd Qu.  Max.  NA's
    1.000   7.000   7.000   6.964   7.000  11.000   79

patient.drugs.drug.2.therapy_ongoing:
    no  yes NA's
    54   1   79

patient.drugs.drug.2.therapy_types.therapy_type:
chemotherapy          NA's

```


55

79

patient.drugs.drug.2.tx_on_clinical_trial:

no NA's

54 80

patient.drugs.drug.2.year_of_form_completion:

2014 2015 NA's

54 1 79

patient.drugs.drug.3.day_of_form_completion:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
5.00	21.00	28.00	23.82	28.00	29.00	83

patient.drugs.drug.3.days_to_drug_therapy_end:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
45.0	71.0	83.0	242.8	191.8	2565.0	84

patient.drugs.drug.3.days_to_drug_therapy_start:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
-4.0	11.0	25.0	190.8	136.5	2506.0	83

patient.drugs.drug.3.drug_name:

bleomycin	cisplatin	ifosfamide	platinum	NA's
4	44	1	2	83

patient.drugs.drug.3.measure_of_response:

clinical progressive disease	complete response	partial response	NA's
1	35		
		12	86

patient.drugs.drug.3.month_of_form_completion:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1.000	7.000	7.000	7.118	7.000	11.000	83

patient.drugs.drug.3.therapy_ongoing:

no yes NA's

50 1 83

patient.drugs.drug.3.therapy_types.therapy_type:

chemotherapy	hormone therapy	NA's
50	1	83

patient.drugs.drug.3.tx_on_clinical_trial:

no NA's

51 83

patient.drugs.drug.3.year_of_form_completion:

2014 2015 NA's

50 1 83

patient.drugs.drug.4.bcr_drug_barcode:

tcga-xe-aanj-d62815 tcga-yu-aa41-d65295 NA's
1 1 132

patient.drugs.drug.4.bcr_drug_uuid:

6b3e0774-411b-48cf-9ccb-dde143aadcc3 a3c35ed5-97a8-4be3-85fe-a8b8e741c676
1 1
NA's
132

patient.drugs.drug.4.day_of_form_completion:

21 25 NA's
1 1 132

patient.drugs.drug.4.days_to_drug_therapy_end:

358 413 NA's
1 1 132

patient.drugs.drug.4.days_to_drug_therapy_start:

250 349 NA's
1 1 132

patient.drugs.drug.4.drug_name:

gemox ifosfamide NA's
1 1 132

patient.drugs.drug.4.measure_of_response:

complete response NA's
2 132

patient.drugs.drug.4.month_of_form_completion:

7 9 NA's
1 1 132

patient.drugs.drug.4.therapy_ongoing:

no NA's
2 132

patient.drugs.drug.4.therapy_types.therapy_type:

chemotherapy NA's
2 132

patient.drugs.drug.4.tx_on_clinical_trial:

no NA's
2 132

patient.drugs.drug.4.year_of_form_completion:

2014 NA's
2 132

```

patient.drugs.drug.5.bcr_drug_barcode:
tcga-xe-aanj-d62816          NA's
           1                133

patient.drugs.drug.5.bcr_drug_uuid:
b7cd6a5d-3660-4120-8658-44e2d0a8f431          NA's
           1                133

patient.drugs.drug.5.day_of_form_completion:
25 NA's
 1 133

patient.drugs.drug.5.days_to_drug_therapy_end:
413 NA's
 1 133

patient.drugs.drug.5.days_to_drug_therapy_start:
349 NA's
 1 133

patient.drugs.drug.5.drug_name:
paclitaxol          NA's
           1        133

patient.drugs.drug.5.measure_of_response:
complete response          NA's
           1                133

patient.drugs.drug.5.month_of_form_completion:
7 NA's
 1 133

patient.drugs.drug.5.therapy_ongoing:
no NA's
 1 133

patient.drugs.drug.5.therapy_types.therapy_type:
chemotherapy          NA's
           1        133

patient.drugs.drug.5.tx_on_clinical_trial:
no NA's
 1 133

patient.drugs.drug.5.year_of_form_completion:
2014 NA's
 1 133

patient.drugs.drug.6.bcr_drug_barcode:
tcga-xe-aanj-d62817          NA's
           1                133

```

patient.drugs.drug.6.bcr_drug_uuid:
 e231730f-3149-4d98-a36b-83d4f9ccb31f NA's
 1 133

patient.drugs.drug.6.day_of_form_completion:
 25 NA's
 1 133

patient.drugs.drug.6.days_to_drug_therapy_end:
 413 NA's
 1 133

patient.drugs.drug.6.days_to_drug_therapy_start:
 349 NA's
 1 133

patient.drugs.drug.6.drug_name:
 platinum NA's
 1 133

patient.drugs.drug.6.measure_of_response:
 complete response NA's
 1 133

patient.drugs.drug.6.month_of_form_completion:
 7 NA's
 1 133

patient.drugs.drug.6.therapy_ongoing:
 no NA's
 1 133

patient.drugs.drug.6.therapy_types.therapy_type:
 chemotherapy NA's
 1 133

patient.drugs.drug.6.tx_on_clinical_trial:
 no NA's
 1 133

patient.drugs.drug.6.year_of_form_completion:
 2014 NA's
 1 133

patient.drugs.drug.day_of_form_completion:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 3.00 4.00 5.00 11.28 20.00 31.00 73

patient.drugs.drug.days_to_drug_therapy_end:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's

28.0	71.0	83.5	271.3	179.2	3420.0	74
------	------	------	-------	-------	--------	----

patient.drugs.drug.days_to_drug_therapy_start:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
-4.0	11.0	26.0	219.9	134.0	3349.0	73

patient.drugs.drug.drug_name:

bleomycin	carboplatin	cisplatin	etoposide	NA's
48	3	4	6	73

patient.drugs.drug.measure_of_response:

clinical progressive disease	complete response
1	45
partial response	stable disease
12	1
NA's	
75	

patient.drugs.drug.month_of_form_completion:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1.000	6.000	6.000	6.148	6.000	11.000	73

patient.drugs.drug.therapy_ongoing:

no	yes	NA's
60	1	73

patient.drugs.drug.therapy_types.therapy_type:

chemotherapy	NA's
61	73

patient.drugs.drug.tx_on_clinical_trial:

no	NA's
60	74

patient.drugs.drug.year_of_form_completion:

2014	2015	NA's
59	2	73

patient.ethnicity:

hispanic or latino	not hispanic or latino	NA's
12	111	11

patient.family_history_other_cancer:

no	yes	NA's
59	47	28

patient.family_history_testicular_cancer:

no	yes	NA's
104	14	16

```
patient.follow_ups.follow_up.2.day_of_form_completion:
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.   NA's
  2.00   5.00   9.00  12.42  21.25   30.00   68
```

```
patient.follow_ups.follow_up.2.days_to_last_followup:
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.   NA's
  413   1378   2598   3149   4878   7437   68
```

```
patient.follow_ups.follow_up.2.eastern_cancer_oncology_group:
  0    1 NA's
 57    4   73
```

```
patient.follow_ups.follow_up.2.karnofsky_performance_score:
  80  90 100 NA's
  3  21  37  73
```

```
patient.follow_ups.follow_up.2.lost_follow_up:
  no NA's
 66   68
```

```
patient.follow_ups.follow_up.2.molecular_test_result_list.molecular_test_result:
human chorionic gonadotropin (hcg) - normal
                                     1
  lactate dehydrogenase (ldh)- normal
                                     60
                                     NA's
                                     73
```

```
patient.follow_ups.follow_up.2.molecular_test_result_list.molecular_test_result.
  alpha fetaprotein (afp) - elevated
                                     1
  human chorionic gonadotropin (hcg) - normal
                                     57
human chorionic gonadotropin (hcg) - progressed
                                     3
                                     NA's
                                     73
```

```
patient.follow_ups.follow_up.2.molecular_test_result_list.molecular_test_result.
  alpha fetaprotein (afp) - normal alpha fetaprotein (afp) - progressed
                                     55                                     2
                                     NA's
                                     77
```

```
patient.follow_ups.follow_up.2.month_of_form_completion:
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.   NA's
  1.000  4.250  11.000   8.045  11.000  12.000   68
```

```
patient.follow_ups.follow_up.2.new_tumor_events.new_tumor_event.2.days_to_new_tu
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.   NA's
  130   3234   4616   3767   5027   5827   129
```

```

patient.follow_ups.follow_up.2.new_tumor_events.new_tumor_event.2.new_neoplasm_e
      lung                                other, specify
      1                                  2
retroperitoneal lymph nodes                testes
      1                                  1
      NA's
      129

```

```

patient.follow_ups.follow_up.2.new_tumor_events.new_tumor_event.2.new_neoplasm_e
      distant metastasis locoregional recurrence      new primary tumor
      1                                  1                                  3
      NA's
      129

```

```

patient.follow_ups.follow_up.2.new_tumor_events.new_tumor_event.2.new_neoplasm_o
      bladder skin (melanoma)                NA's
      1                                  1                                  132

```

```

patient.follow_ups.follow_up.2.new_tumor_events.new_tumor_event.days_to_new_tumo
      Min. 1st Qu.  Median    Mean 3rd Qu.    Max.    NA's
      15.0  121.8  384.0 1036.5 1160.2 4323.0   114

```

```

patient.follow_ups.follow_up.2.new_tumor_events.new_tumor_event.new_neoplasm_eve
      lung retroperitoneal lymph nodes
      1                                  10
      testes                                NA's
      8                                  115

```

```

patient.follow_ups.follow_up.2.new_tumor_events.new_tumor_event.new_neoplasm_eve
      distant metastasis locoregional recurrence      new primary tumor
      1                                  10                                  8
      NA's
      115

```

```

patient.follow_ups.follow_up.2.new_tumor_events.new_tumor_event_after_initial_tr
      no  yes  NA's
      46  20   68

```

```

patient.follow_ups.follow_up.2.person_neoplasm_cancer_status:
tumor free      NA's
      66          68

```

```

patient.follow_ups.follow_up.2.post_orchi_lymph_node_dissection:
      no      yes - after chemotherapy
      54      10
yes - prior to chemotherapy                NA's
      2          68

```

```

patient.follow_ups.follow_up.2.postoperative_rx_tx:
      no  yes  NA's
      38  28   68

```

```

patient.follow_ups.follow_up.2.primary_therapy_outcome_success:
    complete remission/response
    1
    no measureable tumor or tumor markers
    53
normalization of tumor markers, but residual tumor mass
    9
NA's
    71

```

```

patient.follow_ups.follow_up.2.radiation_therapy:
    no yes NA's
    57 9 68

```

```

patient.follow_ups.follow_up.2.vital_status:
    alive NA's
    66 68

```

```

patient.follow_ups.follow_up.2.year_of_form_completion:
    2014 2015 NA's
    42 24 68

```

```

patient.follow_ups.follow_up.3.bcr_followup_barcode:
    tcga-yu-a94i-f68750 tcga-yu-aa4l-f70283 NA's
    1 1 132

```

```

patient.follow_ups.follow_up.3.bcr_followup_uuid:
    0db882db-7258-4efc-954a-f8e4c9c4b2ce 42b51242-846c-429b-90d4-91eec82c0bbd
    1 1
    NA's
    132

```

```

patient.follow_ups.follow_up.3.day_of_form_completion:
    3 15 NA's
    1 1 132

```

```

patient.follow_ups.follow_up.3.days_to_last_followup:
    472 1573 NA's
    1 1 132

```

```

patient.follow_ups.follow_up.3.lost_follow_up:
    no NA's
    2 132

```

```

patient.follow_ups.follow_up.3.month_of_form_completion:
    2 12 NA's
    1 1 132

```

```

patient.follow_ups.follow_up.3.new_tumor_events.new_tumor_event_after_initial_tr
    no NA's
    1 133

```


patient.follow_ups.follow_up.3.person_neoplasm_cancer_status:
 tumor free NA's
 1 133

patient.follow_ups.follow_up.3.post_orchi_lymph_node_dissection:
 no yes - prior to chemotherapy
 1 1
 NA's
 132

patient.follow_ups.follow_up.3.postoperative_rx_tx:
 no yes NA's
 1 1 132

patient.follow_ups.follow_up.3.primary_therapy_outcome_success:
 no measureable tumor or tumor markers NA's
 2 132

patient.follow_ups.follow_up.3.radiation_therapy:
 no NA's
 2 132

patient.follow_ups.follow_up.3.vital_status:
 alive NA's
 2 132

patient.follow_ups.follow_up.3.year_of_form_completion:
 2014 2015 NA's
 1 1 132

patient.follow_ups.follow_up.4.bcr_followup_barcode:
 tcga-yu-a94i-f70870 NA's
 1 133

patient.follow_ups.follow_up.4.bcr_followup_uuid:
 031f6685-65ab-4a2e-82d4-7cab23b46788 NA's
 1 133

patient.follow_ups.follow_up.4.day_of_form_completion:
 10 NA's
 1 133

patient.follow_ups.follow_up.4.days_to_last_followup:
 536 NA's
 1 133

patient.follow_ups.follow_up.4.lost_follow_up:
 no NA's
 1 133

patient.follow_ups.follow_up.4.month_of_form_completion:
 3 NA's

1 133

patient.follow_ups.follow_up.4.new_tumor_events.new_tumor_event_after_initial_tr
no NA's

1 133

patient.follow_ups.follow_up.4.person_neoplasm_cancer_status:

tumor free NA's

1 133

patient.follow_ups.follow_up.4.post_orchi_lymph_node_dissection:

no NA's

1 133

patient.follow_ups.follow_up.4.postoperative_rx_tx:

no NA's

1 133

patient.follow_ups.follow_up.4.primary_therapy_outcome_success:

no measureable tumor or tumor markers

1

NA's

133

patient.follow_ups.follow_up.4.radiation_therapy:

no NA's

1 133

patient.follow_ups.follow_up.4.vital_status:

alive NA's

1 133

patient.follow_ups.follow_up.4.year_of_form_completion:

2015 NA's

1 133

patient.follow_ups.follow_up.day_of_form_completion:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
3.00	6.00	25.00	19.98	30.00	31.00	5

patient.follow_ups.follow_up.days_to_death:

6972 NA's

1 133

patient.follow_ups.follow_up.days_to_last_followup:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
13.0	609.5	1217.0	1627.9	2071.0	6468.0	7

patient.follow_ups.follow_up.eastern_cancer_oncology_group:

0 1 NA's

77 24 33

patient.follow_ups.follow_up.karnofsky_performance_score:

80	90	100	NA's
5	43	53	33

patient.follow_ups.follow_up.lost_follow_up:

no	yes	NA's
123	6	5

patient.follow_ups.follow_up.molecular_test_result_list.molecular_test_result.3:

alpha fetaprotein (afp) - normal	alpha fetaprotein (afp) - progressed
90	1
luteinizing hormone (lh)- normal	testosterone- normal
2	1
NA's	
40	

patient.follow_ups.follow_up.molecular_test_result_list.molecular_test_result.4:

testosterone- normal	NA's
3	131

patient.follow_ups.follow_up.month_of_form_completion:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1.000	7.000	8.000	8.147	10.000	12.000	5

patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.2.days_to_new_tumor:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
130	371	3234	2797	4822	5827	127

patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.2.new_neoplasm_event:

lung	other, specify
1	3
retroperitoneal lymph nodes	testes
2	1
NA's	
127	

patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.2.new_neoplasm_event:

distant metastasis	locoregional recurrence	new primary tumor
1	3	3
NA's		
127		

patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.2.new_neoplasm_occurrence:

bladder lt spermatic cord	skin (melanoma)	NA's
1	1	1
		131

patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.3.days_to_new_tumor:

328	NA's
1	133

```

patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.3.new_neoplasm_event
other, specify          NA's
          1          133

patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.3.new_neoplasm_event
locoregional recurrence          NA's
          1          133

patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.3.new_neoplasm_event
lt inguinal ring          NA's
          1          133

patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.days_to_new_tumor_
Min. 1st Qu.  Median    Mean 3rd Qu.    Max.    NA's
  2.0  126.2  322.5  967.2  998.2  4323.0   104

patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.new_neoplasm_event
distant metastasis  locoregional recurrence    new primary tumor
          3          17          9
          NA's
          105

patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.new_neoplasm_occurr
bone mature teratoma: abdominal wall
          1          1
          NA's
          132

patient.follow_ups.follow_up.new_tumor_events.new_tumor_event_after_initial_trea
no  yes NA's
91  30  13

patient.follow_ups.follow_up.patient_death_reason:
non-cancer related          NA's
          1          133

patient.follow_ups.follow_up.person_neoplasm_cancer_status:
tumor free with tumor          NA's
          120          4          10

patient.follow_ups.follow_up.post_orchi_lymph_node_dissection:
no  yes - after chemotherapy
          108          10
yes - prior to chemotherapy          NA's
          5          11

patient.follow_ups.follow_up.postoperative_rx_tx:
no  yes NA's
83  43  8

```

patient.follow_ups.follow_up.radiation_therapy:

no	yes	NA's
105	20	9

patient.follow_ups.follow_up.source_of_patient_death_reason:

medical record	NA's
1	133

patient.follow_ups.follow_up.vital_status:

alive	dead	NA's
127	1	6

patient.follow_ups.follow_up.year_of_form_completion:

2014	2015	NA's
119	10	5

patient.gender:

male
134

patient.history_hypospadias:

no	yes	NA's
124	2	8

patient.history_of_neoadjuvant_treatment:

no
134

patient.history_of_undescended_testis:

	no	yes; bilateral	yes; left testicle only
	104	2	14
yes; right testicle only		NA's	
	7	7	

patient.icd_10:

c62.9	c62.90
66	68

patient.icd_o_3_site:

c62.9
134

patient.informed_consent_verified:

yes
134

patient.level_of_non_descent:

inguinal	non-palpable - high	NA's
18	3	113

patient.month_of_form_completion:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.
1.000	4.000	6.000	5.597	6.000	12.000

patient.new_tumor_events.new_tumor_event.2.days_to_new_tumor_event_after_initial

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
130.0	418.5	1833.0	2308.8	4270.5	5027.0	128

patient.new_tumor_events.new_tumor_event.2.new_neoplasm_event_type:

distant metastasis	locoregional recurrence	new primary tumor
2	2	2
NA's		
128		

patient.new_tumor_events.new_tumor_event.2.new_neoplasm_occurrence_anatomic_site

bladder	NA's
1	133

patient.new_tumor_events.new_tumor_event.3.days_to_new_tumor_event_after_initial

432 NA's
1 133

patient.new_tumor_events.new_tumor_event.3.new_neoplasm_event_occurrence_anatomical

lung NA's
1 133

patient.new_tumor_events.new_tumor_event.3.new_neoplasm_event_type:

distant metastasis	NA's
1	133

patient.new_tumor_events.new_tumor_event.4.days_to_new_tumor_event_after_initial

432 NA's
1 133

patient.new_tumor_events.new_tumor_event.4.new_neoplasm_event_occurrence_anatomical

lymph nodes-nos (not otherwise specified)
1
NA's
133

patient.new_tumor_events.new_tumor_event.4.new_neoplasm_event_type:

distant metastasis	NA's
1	133

patient.new_tumor_events.new_tumor_event.days_to_new_tumor_event_after_initial_t

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
9.0	126.2	289.5	804.8	785.8	4323.0	104

patient.new_tumor_events.new_tumor_event.new_neoplasm_event_type:

biochemical evidence of disease	distant metastasis
---------------------------------	--------------------

	2		3
locoregional recurrence		new primary tumor	
	16		9
	NA's		
	104		

patient.new_tumor_events.new_tumor_event.new_neoplasm_occurrence_anatomic_site_t

mature teratoma: abdominal wall			
	1		

rpln, lt spermatic cord; lt inguinal ring

	1		
	NA's		
	132		

patient.new_tumor_events.new_tumor_event_after_initial_treatment:

no	yes	NA's
99	30	5

patient.patient_death_reason:

testicular germ cell tumor (tgct)	3	NA's
		131

patient.person_neoplasm_cancer_status:

tumor free with tumor	NA's
125	5
	4

patient.postoperative_rx_tx:

no	yes	NA's
81	42	11

patient.postoperative_tx_list.postoperative_tx:

none	pharmaceutical	radiation	NA's
68	40	19	7

patient.primary_pathology.age_at_initial_pathologic_diagnosis:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.
14.00	26.00	31.00	31.99	37.00	67.00

patient.primary_pathology.bilateral_diagnosis_timing_type:

metachronous	synchronous	NA's
4	1	129

patient.primary_pathology.days_to_bilateral_tumor_dx:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
-5179	-4872	-18	-1384	0	3149	129

patient.primary_pathology.days_to_initial_pathologic_diagnosis:

0
134

patient.primary_pathology.first_treatment_success:

```

no measureable tumor or tumor markers
96
normalization of tumor markers, but residual tumor mass
15
progressive tumor mass and tumor markers
3
NA's
20

patient.primary_pathology.histology_list.histology.2.histological_percentage:
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
5.00 10.00 20.00 23.89 35.00 95.00 89

patient.primary_pathology.histology_list.histology.3.histological_percentage:
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
1.00 5.00 20.00 20.21 20.00 90.00 105

patient.primary_pathology.histology_list.histology.4.histological_percentage:
5 10 20 30 NA's
13 5 2 2 112

patient.primary_pathology.histology_list.histology.5.histological_percentage:
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
5.00 12.50 20.00 20.83 27.50 40.00 128

patient.primary_pathology.histology_list.histology.5.histological_type:
non-seminoma; choriocarcinoma non-seminoma; teratoma (immature)
1 1
seminoma; nos NA's
4 128

patient.primary_pathology.histology_list.histology.histological_percentage:
Min. 1st Qu. Median Mean 3rd Qu. Max.
5.00 81.25 100.00 84.87 100.00 100.00

patient.primary_pathology.init_pathology_dx_method_other:
laparotomy NA's
1 133

patient.primary_pathology.initial_pathologic_diagnosis_method:
orchiectomy other method, specify:
133 1

patient.primary_pathology.intratubular_germ_cell_neoplasm:
absent present NA's
68 57 9

patient.primary_pathology.laterality:

```


bilateral	left	right
5	72	57

patient.primary_pathology.lymphovascular_invasion_present:

no	yes	NA's
75	55	4

patient.primary_pathology.molecular_test_result_list.molecular_test_result.3:
alpha fetaprotein (afp) - normal luteinizing hormone (lh)- normal

96	2
NA's	
36	

patient.primary_pathology.molecular_test_result_list.molecular_test_result.4:
testosterone- normal

5	NA's
	129

patient.primary_pathology.post_orchi_lymph_node_dissection:

	no	yes - after chemotherapy
	109	9
yes - prior to chemotherapy		NA's
	5	11

patient.primary_pathology.post_orchi_serum_marker_info.days_to_post_orchi_serum

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
-61.00	11.00	23.50	87.08	60.25	1455.00	16

patient.primary_pathology.post_orchi_serum_marker_info.post_orchi_afp:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0.600	2.000	3.000	47.304	5.575	2150.500	20

patient.primary_pathology.post_orchi_serum_marker_info.post_orchi_hcg:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0.00	0.32	1.65	735.52	14.40	38014.00	68

patient.primary_pathology.post_orchi_serum_marker_info.post_orchi_ldh:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
101.0	166.2	241.0	304.9	336.0	2035.0	24

patient.primary_pathology.post_orchi_serum_marker_info.post_orchi_lh:

11.5	NA's
1	133

patient.primary_pathology.post_orchi_serum_marker_info.post_orchi_testosterone:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
6.50	8.00	14.66	155.83	298.00	452.00	129

patient.primary_pathology.pre_orchi_serum_marker_info.days_to_pre_orchi_serum_t

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
-310.000	-7.000	-4.000	-5.888	-3.000	361.000	9

patient.primary_pathology.pre_orchi_serum_marker_info.pre_orchi_afp:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 0.80 3.00 5.54 279.65 87.95 7263.00 11

patient.primary_pathology.pre_orchi_serum_marker_info.pre_orchi_hcg:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 0.0 4.7 16.3 1257.0 146.7 89796.0 37

patient.primary_pathology.pre_orchi_serum_marker_info.pre_orchi_ldh:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 70.0 203.8 308.0 455.9 435.8 7374.0 20

patient.primary_pathology.pre_orchi_serum_marker_info.pre_orchi_lh:
 5.5 NA's
 1 133

patient.primary_pathology.pre_orchi_serum_marker_info.pre_orchi_testosterone:
 500 NA's
 1 133

patient.primary_pathology.synchronous_tumor_histology_list.synchronous_tumor_his
 100 NA's
 1 133

patient.primary_pathology.synchronous_tumor_histology_list.synchronous_tumor_his
 seminoma NA's
 1 133

patient.primary_pathology.testis_tumor_macroextent_other:
 epididymis and spermatic cord and tunica vaginalis
 1
 rete testis
 1
 spermatic cord, epididymis
 1
 NA's
 131

patient.primary_pathology.testis_tumor_microextent:
 epididymis hilar fat rete testis spermatic cord NA's
 8 1 24 3 98

patient.primary_pathology.tumor_tissue_site:
 testes
 134

patient.primary_pathology.year_of_initial_pathologic_diagnosis:
 Min. 1st Qu. Median Mean 3rd Qu. Max.
 1992 2006 2009 2008 2012 2013

patient.prior_dx:

no yes
131 3

patient.race:

asian	black or african american	white
4	6	119
NA's		
5		

patient.radiation_therapy:

no yes NA's
103 19 12

patient.radiations.radiation.anatomic_treatment_site:

distant site	local recurrence	primary tumor field	regional site
1	1	2	21
NA's			
109			

patient.radiations.radiation.day_of_form_completion:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
4.00	5.00	8.00	11.96	20.00	31.00	109

patient.radiations.radiation.days_to_radiation_therapy_end:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
21	65	90	546	125	4687	109

patient.radiations.radiation.days_to_radiation_therapy_start:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
3.0	46.0	62.0	524.3	103.0	4670.0	109

patient.radiations.radiation.measure_of_response:

complete response	NA's
24	110

patient.radiations.radiation.month_of_form_completion:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
3.0	4.0	6.0	6.2	7.0	11.0	109

patient.radiations.radiation.numfractions:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
13.00	13.00	13.00	15.04	17.00	24.00	110

patient.radiations.radiation.radiation_dosage:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
24.0	26.0	26.0	936.4	2500.0	3600.0	110

patient.radiations.radiation.radiation_treatment_ongoing:

no NA's

25 109

patient.radiations.radiation.radiation_type:

external	NA's
25	109

patient.radiations.radiation.units:

cgy	gy	NA's
8	16	110

patient.radiations.radiation.year_of_form_completion:

2014	2015	NA's
23	2	109

patient.relation_testicular_cancer_list.relation_testicular_cancer.2:

brother	cousin	NA's
1	1	132

patient.source_of_patient_death_reason:

death certificate	1	medical record	1
social security death index	1	NA's	131

patient.stage_event.igcccg_stage:

good	intermediate	poor	NA's
32	9	2	91

patient.stage_event.system_version:

3rd	4th	5th	6th	7th
1	10	13	44	66

patient.stage_event.tnm_categories.clinical_categories.clinical_m:

m0	m1	m1a	m1b	NA's
120	1	4	3	6

patient.stage_event.tnm_categories.clinical_categories.clinical_t:

t1	t2	t3	NA's
64	46	3	21

patient.stage_event.tnm_categories.pathologic_categories.pathologic_m:

m0	m1	m1a	m1b	NA's
115	2	1	1	15

patient.stage_event.tnm_categories.pathologic_categories.pathologic_n:

n0	n1	n2	nx	NA's
46	11	2	65	10

```
patient.stage_event.tnm_categories.pathologic_categories.pathologic_t:
t1 t2 t3 tx
76 51 6 1
```

```
patient.tissue_prospective_collection_indicator:
no yes NA's
112 20 2
```

```
patient.tissue_retrospective_collection_indicator:
no yes
20 114
```

```
patient.undescended_testis_corrected:
no yes NA's
6 17 111
```

```
patient.undescended_testis_corrected_age:
1-2 years 10-14 years 2-11 months 3-9 years NA's
3 4 2 8 117
```

```
patient.undescended_testis_method_left:
orchiopexy spontaneous descent testis removed NA's
11 1 1 121
```

```
patient.undescended_testis_method_right:
orchiopexy NA's
3 131
```

```
patient.vital_status:
alive dead
131 3
```

```
patient.year_of_form_completion:
2013 2014 2015
7 126 1
```

```
patient.bcr_canonical_check.bcr_patient_canonical_reasons.bcr_canonical_reason:
primary tumor and additional primary tumor(s)
5
NA's
129
```

```
patient.bcr_canonical_check.bcr_patient_canonical_status:
canonical canonical - plus
129 5
```

```
patient.biospecimen_cqcf.consent_or_death_status:
consented deceased
133 1
```

patient.biospecimen_cqcf.country:

brazil	croatia	netherlands	ruussia	united states
10	8	64	4	48

patient.biospecimen_cqcf.days_to_sample_procurement:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.
-173.000	-3.000	-2.000	-3.746	0.000	13.000

patient.biospecimen_cqcf.ethnicity:

hispanic or latino	not hispanic or latino	NA's
12	100	22

patient.biospecimen_cqcf.frozen_specimen_anatomic_site:

testes
134

patient.biospecimen_cqcf.history_of_neoadjuvant_treatment:

no
134

patient.biospecimen_cqcf.laterality:

left right
77 57

patient.biospecimen_cqcf.method_of_sample_procurement:

orchiectomy
134

patient.biospecimen_cqcf.normal_controls.normal_control.2.days_to_normal_sample_

-10	-3	0	2495	NA's
1	2	5	1	125

patient.biospecimen_cqcf.normal_controls.normal_control.2.extracted_dna.ncedna_d

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0.110	0.350	0.658	317.824	375.000	1213.000	129

patient.biospecimen_cqcf.normal_controls.normal_control.2.extracted_dna.ncedna_d

nanodrop NA's
5 129

patient.biospecimen_cqcf.normal_controls.normal_control.2.extracted_dna.ncedna_d

15 NA's
5 129

patient.biospecimen_cqcf.normal_controls.normal_control.2.extracted_dna.ncedna_d

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
25	50	80	88	85	200	129

patient.biospecimen_cqcf.normal_controls.normal_control.2.method_of_normal_sampl

blood draw	orchiectomy	NA's
4	5	125

patient.biospecimen_cqcf.normal_controls.normal_control.2.normal_tissue.normal_t
 distal (>2cm) NA's
 5 129

patient.biospecimen_cqcf.normal_controls.normal_control.2.vial_number:
 1 2 NA's
 9 1 124

patient.biospecimen_cqcf.normal_controls.normal_control.days_to_normal_sample_pr
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 -38.00 -4.00 -2.00 14.36 0.00 816.00 4

patient.biospecimen_cqcf.normal_controls.normal_control.extracted_dna.ncedna_dna
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 0.0730 0.4012 0.8770 121.3001 50.0000 1455.0000 54

patient.biospecimen_cqcf.normal_controls.normal_control.extracted_dna.ncedna_dna
 nanodrop qubit spec (epoch, biotek)
 72 7 1
 NA's
 54

patient.biospecimen_cqcf.normal_controls.normal_control.extracted_dna.ncedna_dna
 15 16 NA's
 79 1 54

patient.biospecimen_cqcf.normal_controls.normal_control.extracted_dna.ncedna_dna
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 25.0 40.0 60.5 102.7 126.2 707.9 54

patient.biospecimen_cqcf.normal_controls.normal_control.method_of_normal_sample_
 blood draw NA's
 130 4

patient.biospecimen_cqcf.normal_controls.normal_control.vial_number:
 1 2
 130 4

patient.biospecimen_cqcf.other_vessel_used:
 cryobox NA's
 17 117

patient.biospecimen_cqcf.path_confirm_diagnosis_matching:
 no yes
 41 93

patient.biospecimen_cqcf.path_confirm_report_attached:
 yes
 134

patient.biospecimen_cqcf.path_confirm_tumor_necrosis_metrics:
 yes
 134

patient.biospecimen_cqcf.path_confirm_tumor_nuclei_metrics:
 yes
 134

patient.biospecimen_cqcf.race:
 asian black or african american white
 3 2 105
 NA's
 24

patient.biospecimen_cqcf.sample_prescreened:
 yes
 134

patient.biospecimen_cqcf.site_of_disease:
 testicle
 134

patient.biospecimen_cqcf.tumor_samples.tumor_sample.2.bcr_sample_uuid:
 1835fa3a-417f-4e7e-bd45-3cee57f97d15 NA's
 1 133

patient.biospecimen_cqcf.tumor_samples.tumor_sample.2.tumor_necrosis_percent:
 0 NA's
 1 133

patient.biospecimen_cqcf.tumor_samples.tumor_sample.2.tumor_nuclei_percent:
 75 NA's
 1 133

patient.biospecimen_cqcf.tumor_samples.tumor_sample.2.tumor_weight:
 35 NA's
 1 133

patient.biospecimen_cqcf.tumor_samples.tumor_sample.2.vial_number:
 2 NA's
 1 133

patient.biospecimen_cqcf.tumor_samples.tumor_sample.tumor_necrosis_percent:
 Min. 1st Qu. Median Mean 3rd Qu. Max.
 0.000 0.000 0.000 4.313 10.000 30.000

patient.biospecimen_cqcf.tumor_samples.tumor_sample.tumor_nuclei_percent:
 Min. 1st Qu. Median Mean 3rd Qu. Max.
 30.00 70.00 80.00 79.62 90.00 100.00

patient.biospecimen_cqcf.tumor_samples.tumor_sample.tumor_weight:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.
30.0	161.0	290.0	301.5	410.0	874.0

patient.biospecimen_cqcf.tumor_samples.tumor_sample.vial_number:

1
134

patient.biospecimen_cqcf.vessel_used:

cryomold	cryovial	other (please specify)
14	103	17

patient.days_to_index:

0
134

patient.samples.sample.2.bcr_biospecimen_canonical_reasons.bcr_canonical_reason:

primary tumor and additional primary tumor(s)

5
NA's
129

patient.samples.sample.2.days_to_collection:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.
34	507	1480	2064	2654	7751

patient.samples.sample.2.initial_weight:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
80	90	110	180	170	450	129

patient.samples.sample.2.is_ffpe:

no
134

patient.samples.sample.2.oct_embedded:

false true
132 2

patient.samples.sample.2.portions.portion.analytes.analyte.2.a260_a280_ratio:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1.820	1.860	1.900	1.916	1.920	2.080	129

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.2.

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
174167056	174167069	174167104	174167099	174167131	174167134	129

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.2.

```

13 NA's
5 129

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.2.
0.16 0.17 0.18 NA's
3 1 1 129

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.2.
18 NA's
5 129

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.2.
no NA's
5 129

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.2.
6 NA's
5 129

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.2.
2 5 6 8 NA's
1 1 1 2 129

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.2.
a439 NA's
5 129

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.2.
a c f g NA's
2 1 1 1 129

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.2.
3.2 3.4 3.6 NA's
3 1 1 129

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.2.
23 NA's
5 129

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.2.
20 NA's
5 129

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.2.
2014 NA's
5 129

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.bi
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
174162641 174163133 174163168 174163067 174163195 174163198 129

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patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.ce
  7 NA's
  5 129

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.co
0.16 0.17 0.18 NA's
  3  1  1 129

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.da
18 NA's
  5 129

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.is
no NA's
  5 129

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.mo
  6 NA's
  5 129

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.pl
  2  5  6  8 NA's
  1  1  1  2 129

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.pl
a430 NA's
  5 129

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.pl
  a  c  f  g NA's
  2  1  1  1 129

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.qu
2.08 2.21 2.34 NA's
  3  1  1 129

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.so
23 NA's
  5 129

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.vo
13 NA's
  5 129

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.ye
2014 NA's
  5 129

patient.samples.sample.2.portions.portion.analytes.analyte.2.amount:
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.    NA's
  43.24  48.05   50.14   54.53  57.96   73.24   129

```

patient.samples.sample.2.portions.portion.analytes.analyte.2.analyte_type:
 rna NA's
 5 129

patient.samples.sample.2.portions.portion.analytes.analyte.2.analyte_type_id:
 r NA's
 5 129

patient.samples.sample.2.portions.portion.analytes.analyte.2.concentration:
 0.16 0.17 0.18 NA's
 3 1 1 129

patient.samples.sample.2.portions.portion.analytes.analyte.2.gel_image_file:
<https://sharedoc.nchri.org/tcga-bcr/default.aspx>
 5
 NA's
 129

patient.samples.sample.2.portions.portion.analytes.analyte.2.is_derived_from_ffp:
 no NA's
 5 129

patient.samples.sample.2.portions.portion.analytes.analyte.2.protocols.protocol:
 mirvana (allprep dna) rna NA's
 5 129

patient.samples.sample.2.portions.portion.analytes.analyte.2.rna.ratio_28s_18s:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 1.440 1.460 1.500 1.542 1.570 1.740 129

patient.samples.sample.2.portions.portion.analytes.analyte.2.rna.rinvalue:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 7.3 8.2 9.1 8.7 9.3 9.6 129

patient.samples.sample.2.portions.portion.analytes.analyte.2.spectrophotometer_m
 uv spec NA's
 5 129

patient.samples.sample.2.portions.portion.analytes.analyte.2.subportion_sequence:
 1 NA's
 5 129

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.2.bi
 Min. 1st Qu. Median Mean 3rd Qu. Max.
 167822592 174162252 174167246 173597133 174167284 174167326

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.2.ce

10
134

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.2.co
0.07 0.08 0.09
34 86 14

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.2.da
18
134

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.2.is
no
134

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.2.mo
6
134

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.2.pl
Min. 1st Qu. Median Mean 3rd Qu. Max.
1.000 3.000 6.000 5.746 8.000 12.000

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.2.pl
a42y a433 a438
5 59 70

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.2.qu
2.8 3.2 3.6
34 86 14

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.2.so
23
134

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.2.vo
40
134

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.2.ye
2014
134

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.3.bi
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
167822628 174165648 174166098 173863833 174166133 174166175 29

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.3.ce
5 26 NA's

5 100 29

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.3.co
0.14 0.15 0.16 0.17 NA's
15 28 38 24 29

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.3.da
18 NA's
105 29

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.3.is
no NA's
105 29

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.3.mo
6 NA's
105 29

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.3.pl
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
1 3 5 5 7 12 29

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.3.pl
a42z a43h a43j NA's
5 57 43 29

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.3.qu
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
1.400 1.500 1.600 1.589 1.700 2.080 29

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.3.sc
23 NA's
105 29

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.3.vo
10 13 NA's
100 5 29

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.3.ye
2014 NA's
105 29

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.4.bi
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
174165828 174165851 174165852 174165856 174165875 174165876 129

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.4.ce
26 NA's
5 129

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.4.co
 0.14 0.15 0.16 NA's
 2 1 2 129

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.4.da
 18 NA's
 5 129

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.4.is
 no NA's
 5 129

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.4.mo
 6 NA's
 5 129

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.4.pl
 12 NA's
 5 129

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.4.pl
 a43g NA's
 5 129

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.4.qu
 1.4 1.5 1.6 NA's
 2 1 2 129

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.4.so
 23 NA's
 5 129

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.4.vo
 10 NA's
 5 129

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.4.ye
 2014 NA's
 5 129

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.bios
 Min. 1st Qu. Median Mean 3rd Qu. Max.
 174159836 174162576 174166560 174164836 174166740 174167604

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.cent
 1
 134

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.conc
0.14 0.15 0.16 0.17
20 35 51 28

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.day_
18
134

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.is_d
no
134

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.mont
6
134

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.plat
Min. 1st Qu. Median Mean 3rd Qu. Max.
1.000 3.000 6.000 5.746 8.000 12.000

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.plat
a42x a432 a437
5 59 70

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.quant
0.94 1.01 1.07 1.14
20 35 51 28

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.sour
23
134

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.vol
6.7
134

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.year
2014
134

patient.samples.sample.2.portions.portion.analytes.analyte.amount:
Min. 1st Qu. Median Mean 3rd Qu. Max.
5.64 14.17 26.66 39.17 56.80 203.92

patient.samples.sample.2.portions.portion.analytes.analyte.analyte_type:
dna
134

patient.samples.sample.2.portions.portion.analytes.analyte.analyte_type_id:
d
134

patient.samples.sample.2.portions.portion.portion_sequence:
 1 NA's
 20 114

patient.samples.sample.2.portions.portion.slides.slide.is_derived_from_ffpe:
 no NA's
 5 129

patient.samples.sample.2.portions.portion.slides.slide.percent_lymphocyte_infiltration:
 1 2 25 90 NA's
 2 1 1 1 129

patient.samples.sample.2.portions.portion.slides.slide.percent_monocyte_infiltration:
 0 10 NA's
 4 1 129

patient.samples.sample.2.portions.portion.slides.slide.percent_necrosis:
 0 1 NA's
 4 1 129

patient.samples.sample.2.portions.portion.slides.slide.percent_neutrophil_infiltration:
 0 NA's
 5 129

patient.samples.sample.2.portions.portion.slides.slide.percent_normal_cells:
 0 NA's
 5 129

patient.samples.sample.2.portions.portion.slides.slide.percent_stromal_cells:
 0 14 20 NA's
 3 1 1 129

patient.samples.sample.2.portions.portion.slides.slide.percent_tumor_cells:
 80 85 100 NA's
 1 1 3 129

patient.samples.sample.2.portions.portion.slides.slide.percent_tumor_nuclei:
 70 72 75 80 NA's
 1 1 2 1 129

patient.samples.sample.2.portions.portion.slides.slide.section_location:
 top NA's
 5 129

patient.samples.sample.2.portions.portion.weight:
 2 30 NA's
 54 5 75

patient.samples.sample.2.portions.portion.year_of_creation:

2013 2014
26 108

patient.samples.sample.2.portions.shipment_portion.bcr_shipment_portion_uuid:

204d3eb2-7277-4814-8b64-1217b931b7fe 7c0acf92-67f1-4542-b285-79f4accb64cb
1 1
e446e40a-c2a2-4dbc-bcc3-92065de540c8 NA's
1 131

patient.samples.sample.2.portions.shipment_portion.center_id:

20 NA's
3 131

patient.samples.sample.2.portions.shipment_portion.is_ffpe:

no NA's
3 131

patient.samples.sample.2.portions.shipment_portion.plate_id:

a45p a45q NA's
1 2 131

patient.samples.sample.2.portions.shipment_portion.portion_number:

21 NA's
3 131

patient.samples.sample.2.portions.shipment_portion.shipment_portion_bcr_aliquot:

tcga-2g-aafg-05a-21-a45p-20 tcga-2g-aagy-05a-21-a45q-20
1 1
tcga-2g-aakg-05a-21-a45q-20 NA's
1 131

patient.samples.sample.2.portions.shipment_portion.shipment_portion_day_of_shipment:

30 NA's
3 131

patient.samples.sample.2.portions.shipment_portion.shipment_portion_month_of_shipment:

7 NA's
3 131

patient.samples.sample.2.portions.shipment_portion.shipment_portion_year_of_shipment:

2014 NA's
3 131

patient.samples.sample.2.sample_type:

additional - new primary blood derived normal
5 129

patient.samples.sample.2.sample_type_id:

5 10
5 129

patient.samples.sample.2.vial_number:

a
134

patient.samples.sample.3.days_to_collection:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
2572	5084	5251	4968	5671	6261	129

patient.samples.sample.3.is_ffpe:

no NA's
5 129

patient.samples.sample.3.oct_embedded:

false NA's
5 129

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.2.bi

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
174162049	174162241	174162301	174162331	174162528	174162534	129

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.2.ce

10 NA's
5 129

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.2.co

0.08 0.09 NA's
4 1 129

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.2.da

18 NA's
5 129

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.2.is

no NA's
5 129

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.2.mo

6 NA's
5 129

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.2.pl

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
2.0	5.0	7.0	6.2	8.0	9.0	129

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.2.pl

a433 NA's
5 129

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.2.pl
 a b c f NA's
 2 1 1 1 129

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.2.qu
 3.2 3.6 NA's
 4 1 129

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.2.so
 23 NA's
 5 129

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.2.vo
 40 NA's
 5 129

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.2.ye
 2014 NA's
 5 129

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.3.bi

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
174162695	174166111	174166147	174165459	174166169	174166174	129

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.3.ce
 26 NA's
 5 129

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.3.co
 0.16 0.17 NA's
 2 3 129

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.3.da
 18 NA's
 5 129

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.3.is
 no NA's
 5 129

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.3.mo
 6 NA's
 5 129

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.3.pl

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
2.0	5.0	7.0	6.2	8.0	9.0	129

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.3.pl
 a43h NA's

5 129

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.3.pl

a b c f NA's
2 1 1 1 129

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.3.qu

1.6 1.7 NA's
2 3 129

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.3.so

23 NA's
5 129

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.3.vo

10 NA's
5 129

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.3.ye

2014 NA's
5 129

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.bios

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
174162559	174162595	174162608	174162600	174162617	174162622	129

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.cent

1 NA's
5 129

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.conc

0.16 0.17 NA's
2 3 129

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.day_

18 NA's
5 129

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.is_d

no NA's
5 129

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.mont

6 NA's
5 129

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.plat

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
2.0	5.0	7.0	6.2	8.0	9.0	129

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.plat
a432 NA's
5 129

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.plat
a b c f NA's
2 1 1 1 129

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.quan
1.07 1.14 NA's
2 3 129

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.sour
23 NA's
5 129

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.vol
6.7 NA's
5 129

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.year
2014 NA's
5 129

patient.samples.sample.3.portions.portion.analytes.analyte.amount:
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
20.00 21.32 31.92 35.75 38.78 66.74 129

patient.samples.sample.3.portions.portion.analytes.analyte.analyte_type:
dna NA's
5 129

patient.samples.sample.3.portions.portion.analytes.analyte.analyte_type_id:
d NA's
5 129

patient.samples.sample.3.portions.portion.analytes.analyte.concentration:
0.16 0.17 NA's
2 3 129

patient.samples.sample.3.portions.portion.analytes.analyte.dna.normal_tumor_gen
yes NA's
5 129

patient.samples.sample.3.portions.portion.analytes.analyte.dna.pcr_amplification
yes NA's
5 129

patient.samples.sample.3.portions.portion.analytes.analyte.gel_image_file:
<https://sharedoc.nchri.org/tcga-bcr/default.aspx>

5
NA's
129

patient.samples.sample.3.portions.portion.analytes.analyte.is_derived_from_ffpe:
no NA's
5 129

patient.samples.sample.3.portions.portion.analytes.analyte.protocols.protocol.ex
pre-extracted dna received by tss NA's
5 129

patient.samples.sample.3.portions.portion.analytes.analyte.spectrophotometer_met
picogreen NA's
5 129

patient.samples.sample.3.portions.portion.day_of_creation:
10 29 NA's
3 2 129

patient.samples.sample.3.portions.portion.is_ffpe:
no NA's
5 129

patient.samples.sample.3.portions.portion.month_of_creation:
1 2 NA's
2 3 129

patient.samples.sample.3.portions.portion.portion_number:
1 NA's
5 129

patient.samples.sample.3.portions.portion.year_of_creation:
2014 NA's
5 129

patient.samples.sample.3.sample_type:
blood derived normal NA's
5 129

patient.samples.sample.3.sample_type_id:
10 NA's
5 129

patient.samples.sample.3.vial_number:
a NA's
5 129

patient.samples.sample.days_to_collection:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.
34	507	1480	2064	2654	7751

patient.samples.sample.diagnostic_slides.ffpe_slide_uuid.10:

80245c64-1da8-4a2a-9e79-2b45e7c1031f	95512a55-d6dc-4b63-bd7e-d94b880a4e19	1	1
dela7777-25b0-4f7c-bc65-a2eb9bd4a1ac		1	NA's
			131

patient.samples.sample.diagnostic_slides.ffpe_slide_uuid.11:

06994c72-e6e0-448c-92fa-f70faf2c39f3		1	NA's
			133

patient.samples.sample.diagnostic_slides.ffpe_slide_uuid.12:

445c8711-150e-4375-a488-fffe8f0c8b72		1	NA's
			133

patient.samples.sample.diagnostic_slides.ffpe_slide_uuid.13:

9239bffd-959b-4b4f-8cef-5d97a0aa48d7		1	NA's
			133

patient.samples.sample.diagnostic_slides.ffpe_slide_uuid.14:

46672dbf-d443-4897-9b49-9b10e2401f26		1	NA's
			133

patient.samples.sample.diagnostic_slides.ffpe_slide_uuid.15:

6c14a453-d951-439c-ae81-7c069e1e698a		1	NA's
			133

patient.samples.sample.diagnostic_slides.ffpe_slide_uuid.5:

04d3e265-5b1c-47ae-9788-37a17295b87d	432c8d5f-95a5-4c9f-a797-bf041b45b0e7	1	1
43e66954-56dd-478e-9f8b-9e5b18d1e823	6b7e04bf-8078-47f0-989f-405b547831cd	1	1
			NA's
			130

patient.samples.sample.diagnostic_slides.ffpe_slide_uuid.6:

03b7e7ed-1d73-4569-a0ad-a4b1fa269db1	7bd26ec2-4788-4e8b-974d-846a7d75929f	1	1
dcd9eb0f-af72-4efc-85dd-5154db9a1d5f		1	NA's
			131

patient.samples.sample.diagnostic_slides.ffpe_slide_uuid.7:

6deda517-e34d-400e-86fd-2281fcdf9404	c68411c6-f7ac-47dc-b38a-9810b864f699	1	1
f335383f-4655-4f1e-8192-61ccd1f8fee4			NA's

```

1 131

patient.samples.sample.diagnostic_slides.ffpe_slide_uuid.8:
0b203f9a-8526-4ae9-a622-ad65aaa2fa56 94820688-2747-423f-820f-0cd1a48d3ba2
1 1
edadc900-39df-4c71-b387-ef8709826b4f NA's
1 131

patient.samples.sample.diagnostic_slides.ffpe_slide_uuid.9:
7841b74b-f915-401c-9fc0-2043e2e3ecb1 ae88f73e-146c-460c-98a3-b3f3b3c678f2
1 1
bd0766ba-f869-4e74-bfdf-23fa5af066c6 NA's
1 131

patient.samples.sample.initial_weight:
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.   NA's
  20.0  137.5   225.0   305.0  352.5  1710.0    2

patient.samples.sample.is_ffpe:
no
134

patient.samples.sample.oct_embedded:
false true
  80   54

patient.samples.sample.portions.portion.analytes.analyte.2.a260_a280_ratio:
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.
  1.710  1.820   1.855   1.856  1.890   2.300

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.2.bi
  Min.  1st Qu.  Median    Mean  3rd Qu.    Max.
174162669 174164785 174167042 174165941 174167088 174167135

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.2.ce
  13
134

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.2.co
0.15 0.16 0.17 0.18
  14  44  43  33

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.2.da
  18
134

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.2.is
no

```

134

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.2.mo
6

134

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.2.pl
Min. 1st Qu. Median Mean 3rd Qu. Max.
1.000 3.000 5.000 5.007 7.000 12.000

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.2.pl
a439 a43a
72 62

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.2.qu
3 3.2 3.4 3.6
14 44 43 33

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.2.sc
23
134

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.2.vo
20
134

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.2.ye
2014
134

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.bios
Min. 1st Qu. Median Mean 3rd Qu. Max.
174159795 174162302 174163104 174162721 174163150 174163197

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.cent
7
134

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.conc
0.15 0.16 0.17 0.18
14 44 43 33

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.day_
18
134

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.is_d
no
134

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.mont
6
134

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.plat
Min. 1st Qu. Median Mean 3rd Qu. Max.
1.000 3.000 5.000 5.007 7.000 12.000

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.plat
a430 a431
72 62

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.quant
1.95 2.08 2.21 2.34
14 44 43 33

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.sour
23
134

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.volun
13
134

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.year
2014
134

patient.samples.sample.portions.portion.analytes.analyte.2.amount:
Min. 1st Qu. Median Mean 3rd Qu. Max.
8.14 33.01 43.65 45.40 55.12 98.70

patient.samples.sample.portions.portion.analytes.analyte.2.analyte_type:
rna
134

patient.samples.sample.portions.portion.analytes.analyte.2.analyte_type_id:
r
134

patient.samples.sample.portions.portion.analytes.analyte.2.concentration:
0.15 0.16 0.17 0.18
14 44 43 33

patient.samples.sample.portions.portion.analytes.analyte.2.gel_image_file:
<https://sharedoc.nchri.org/tcga-bcr/default.aspx>
134

patient.samples.sample.portions.portion.analytes.analyte.2.is_derived_from_ffpe:
no
134

patient.samples.sample.portions.portion.analytes.analyte.2.protocols.protocol.ex
mirvana (allprep dna) rna
134

patient.samples.sample.portions.portion.analytes.analyte.2.rna.ratio_28s_18s:
Min. 1st Qu. Median Mean 3rd Qu. Max.
0.110 1.353 1.510 1.490 1.728 2.090

patient.samples.sample.portions.portion.analytes.analyte.2.rna.rinvalue:
Min. 1st Qu. Median Mean 3rd Qu. Max.
7.000 7.900 8.700 8.567 9.200 10.000

patient.samples.sample.portions.portion.analytes.analyte.2.spectrophotometer_met
uv spec
134

patient.samples.sample.portions.portion.analytes.analyte.2.subportion_sequence:
1 2 NA's
115 10 9

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.2.bios
Min. 1st Qu. Median Mean 3rd Qu. Max.
174159787 174162101 174167536 174164931 174167574 174167614

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.2.cent
10
134

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.2.conc
0.07 0.08 0.09
34 92 8

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.2.day_
18
134

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.2.is_d
no
134

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.2.mont
6
134

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.2.plat
Min. 1st Qu. Median Mean 3rd Qu. Max.

1.00 3.00 5.50 5.53 8.00 11.00

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.2.plat
a42y a435
64 70

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.2.quan
2.8 3.2 3.6
34 92 8

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.2.sour
23
134

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.2.vol
40
134

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.2.year
2014
134

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.3.bios
Min. 1st Qu. Median Mean 3rd Qu. Max.
167822607 167822646 174166576 171136659 174166614 174166654

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.3.cent
5
134

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.3.conc
0.14 0.15 0.16 0.17
13 46 49 26

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.3.day_
18
134

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.3.is_d
no
134

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.3.mont
6
134

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.3.plat
Min. 1st Qu. Median Mean 3rd Qu. Max.
1.00 3.00 5.50 5.53 8.00 11.00

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.3.plat
a42z a436
64 70

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.3.quan
1.82 1.95 2.08 2.21
13 46 49 26

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.3.sour
23
134

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.3.vol
13
134

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.3.year
2014
134

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.4.bios
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
174162686 174164823 174165835 174165677 174165867 174167316 29

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.4.cent
26 NA's
105 29

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.4.conc
0.14 0.15 0.16 0.17 NA's
12 30 40 23 29

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.4.day_
18 NA's
105 29

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.4.is_d
no NA's
105 29

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.4.mont
6 NA's
105 29

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.4.plat
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
1.000 3.000 5.000 4.724 7.000 10.000 29

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.4.plat
a43g a43i NA's
62 43 29

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.4.quan
1.4 1.5 1.6 1.7 NA's
12 30 40 23 29

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.4.sour
23 NA's
105 29

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.4.vol
10 NA's
105 29

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.4.year
2014 NA's
105 29

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.biospe
Min. 1st Qu. Median Mean 3rd Qu. Max.
167822507 174163350 174166672 174070474 174166710 174166750

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.center
1
134

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.concen
0.14 0.15 0.16 0.17
13 46 49 26

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.day_of
18
134

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.is_de
no
134

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.month_
6
134

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.plate_
Min. 1st Qu. Median Mean 3rd Qu. Max.
1.00 3.00 5.50 5.53 8.00 11.00

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.plate_

a42x a434
64 70

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.quantit
0.94 1.01 1.07 1.14
13 46 49 26

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.source
23
134

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.volume
6.7
134

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.year_o
2014
134

patient.samples.sample.portions.portion.analytes.analyte.amount:
Min. 1st Qu. Median Mean 3rd Qu. Max.
7.95 26.18 34.72 33.86 41.04 66.13

patient.samples.sample.portions.portion.analytes.analyte.analyte_type:
dna
134

patient.samples.sample.portions.portion.analytes.analyte.analyte_type_id:
d
134

patient.samples.sample.portions.portion.analytes.analyte.concentration:
0.14 0.15 0.16 0.17
13 46 49 26

patient.samples.sample.portions.portion.analytes.analyte.dna.normal_tumor_genoty
yes
134

patient.samples.sample.portions.portion.analytes.analyte.dna.pcr_amplification_s
yes
134

patient.samples.sample.portions.portion.analytes.analyte.gel_image_file:
<https://sharedoc.nchri.org/tcga-bcr/default.aspx>
134

patient.samples.sample.portions.portion.analytes.analyte.is_derived_from_ffpe:
no

134

patient.samples.sample.portions.portion.analytes.analyte.protocols.protocol.exp
adna preparation type

134

patient.samples.sample.portions.portion.analytes.analyte.spectrophotometer_metho
picogreen

134

patient.samples.sample.portions.portion.analytes.analyte.subportion_sequence:

1	2	NA's
115	10	9

patient.samples.sample.portions.portion.day_of_creation:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.
2.00	11.50	18.00	15.92	20.00	30.00

patient.samples.sample.portions.portion.is_ffpe:

no
134

patient.samples.sample.portions.portion.month_of_creation:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.
1.000	2.000	2.000	4.239	4.000	12.000

patient.samples.sample.portions.portion.portion_number:

11	12	21	31
109	10	7	8

patient.samples.sample.portions.portion.portion_sequence:

1	3	NA's
28	1	105

patient.samples.sample.portions.portion.slides.slide.is_derived_from_ffpe:

no
134

patient.samples.sample.portions.portion.slides.slide.percent_lymphocyte_infiltra

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.
0.00	0.00	2.00	17.74	40.00	90.00

patient.samples.sample.portions.portion.slides.slide.percent_monocyte_infiltrati

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.
0.000	0.000	0.000	5.276	10.000	25.000

patient.samples.sample.portions.portion.slides.slide.percent_necrosis:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.
0.000	0.000	0.000	2.403	5.000	20.000

patient.samples.sample.portions.portion.slides.slide.percent_neutrophil_infiltration:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.
0.000	0.000	0.000	4.261	4.250	20.000

patient.samples.sample.portions.portion.slides.slide.percent_normal_cells:

0	10	25	40	50
130	1	1	1	1

patient.samples.sample.portions.portion.slides.slide.percent_stromal_cells:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.
0.00	0.00	10.00	10.17	20.00	40.00

patient.samples.sample.portions.portion.slides.slide.percent_tumor_cells:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.
45.00	75.00	90.00	86.49	100.00	100.00

patient.samples.sample.portions.portion.slides.slide.percent_tumor_nuclei:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.
60.00	70.00	80.00	77.87	85.00	100.00

patient.samples.sample.portions.portion.slides.slide.section_location:

top
134

patient.samples.sample.portions.portion.weight:

10	15	20	30
2	1	2	129

patient.samples.sample.portions.portion.year_of_creation:

2013 2014
31 103

patient.samples.sample.portions.shipment_portion.center_id:

20 NA's
104 30

patient.samples.sample.portions.shipment_portion.is_ffpe:

no NA's
104 30

patient.samples.sample.portions.shipment_portion.plate_id:

a45p a45q NA's
65 39 30

patient.samples.sample.portions.shipment_portion.portion_number:

11	21	41	NA's
4	98	2	30

```
patient.samples.sample.portions.shipment_portion.portion_sequence:
  2 NA's
 17  117
```

```
patient.samples.sample.portions.shipment_portion.shipment_portion_day_of_shipmen
 30 NA's
 104  30
```

```
patient.samples.sample.portions.shipment_portion.shipment_portion_month_of_shipm
  7 NA's
 104  30
```

```
patient.samples.sample.portions.shipment_portion.shipment_portion_year_of_shipme
2014 NA's
 104  30
```

```
patient.samples.sample.sample_type:
primary tumor
          134
```

```
patient.samples.sample.sample_type_id:
  1
 134
```

```
patient.samples.sample.vial_number:
  a  b
133  1
```

 THCA

Thyroid carcinoma

Description

A document describing the TCGA cancer code

Details

```
> experiments( THCA )
ExperimentList class object of length 11:
 [1] CNASeq-20160128: RaggedExperiment with 5953 rows and 203 columns
 [2] CNASNP-20160128: RaggedExperiment with 389998 rows and 1013 columns
 [3] CNVSNP-20160128: RaggedExperiment with 55117 rows and 1013 columns
 [4] GISTIC_AllByGene-20160128: SummarizedExperiment with 24776 rows and 499 col
 [5] GISTIC_ThresholdedByGene-20160128: SummarizedExperiment with 24776 rows and
 [6] Methylation-20160128: SummarizedExperiment with 485577 rows and 567 columns
 [7] miRNASeqGene-20160128: SummarizedExperiment with 1046 rows and 569 columns
 [8] Mutation-20160128: RaggedExperiment with 7458 rows and 405 columns
 [9] RNASeq2GeneNorm-20160128: SummarizedExperiment with 20501 rows and 568 colu
[10] RNASeqGene-20160128: SummarizedExperiment with 20502 rows and 4 columns
```

```
[11] RPPAArray-20160128: SummarizedExperiment with 175 rows and 224 columns

> rownames( THCA )
CharacterList of length 11
[["CNASeq-20160128"]] character(0)
[["CNASNP-20160128"]] character(0)
[["CNVSNP-20160128"]] character(0)
[["GISTIC_AllByGene-20160128"]] ACAP3 ACTRT2 ... WASIR1|ENSG00000185203.7
[["GISTIC_ThresholdedByGene-20160128"]] ACAP3 ... WASIR1|ENSG00000185203.7
[["Methylation-20160128"]] cg00000029 cg00000108 ... rs966367 rs9839873
[["miRNASeqGene-20160128"]] hsa-let-7a-1 hsa-let-7a-2 ... hsa-mir-99b
[["Mutation-20160128"]] character(0)
[["RNASeq2GeneNorm-20160128"]] A1BG A1CF A2BP1 A2LD1 ... ZZZ3 psiTPTE22 tAKR
[["RNASeqGene-20160128"]] A1BG A1CF A2BP1 A2LD1 ... ZZEF1 ZZZ3 psiTPTE22 tAKR
...
<1 more element>

> colnames( THCA )
CharacterList of length 11
[["CNASeq-20160128"]] TCGA-BJ-A0Z2-01A-11D-A10R-02 ...
[["CNASNP-20160128"]] TCGA-4C-A93U-01A-11D-A396-01 ...
[["CNVSNP-20160128"]] TCGA-4C-A93U-01A-11D-A396-01 ...
[["GISTIC_AllByGene-20160128"]] TCGA-4C-A93U-01A-11D-A396-01 ...
[["GISTIC_ThresholdedByGene-20160128"]] TCGA-4C-A93U-01A-11D-A396-01 ...
[["Methylation-20160128"]] TCGA-4C-A93U-01A-11D-A398-05 ...
[["miRNASeqGene-20160128"]] TCGA-4C-A93U-01A-11R-A39B-13 ...
[["Mutation-20160128"]] TCGA-BJ-A0YZ-01A-11D-A10S-08 ...
[["RNASeq2GeneNorm-20160128"]] TCGA-4C-A93U-01A-11R-A39I-07 ...
[["RNASeqGene-20160128"]] TCGA-DJ-A1QE-01A-21R-A14Y-07 ...
...
<1 more element>

Sizes of each ExperimentList element:

          assay size.Mb
1          CNASeq-20160128  0.2 Mb
2          CNASNP-20160128 10.7 Mb
3          CNVSNP-20160128  1.8 Mb
4          GISTIC_AllByGene-20160128  4.4 Mb
5  GISTIC_ThresholdedByGene-20160128  4.4 Mb
6          Methylation-20160128 67.5 Mb
7          miRNASeqGene-20160128  0.1 Mb
8          Mutation-20160128 13.2 Mb
9          RNASeq2GeneNorm-20160128  1.2 Mb
10         RNASeqGene-20160128  1.1 Mb
11         RPPAArray-20160128    0 Mb

-----
Overall survival time-to-event summary (in years):
-----

Call: survfit(formula = survival::Surv(colDat$days_to_death/365, colDat$vital_st
```

-1)

487 observations deleted due to missingness
 n events median 0.95LCL 0.95UCL
 16.00 16.00 2.80 2.23 4.80

 Available sample meta-data:

years_to_birth:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.
15.00	35.00	46.00	47.26	58.00	89.00

vital_status:

0	1
487	16

days_to_death:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
174	743	1021	1176	1631	2973	487

days_to_last_followup:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0	535	943	1220	1513	5423	16

tumor_tissue_site:

thyroid	503
---------	-----

pathology_N_stage:

n0	n1	n1a	n1b	nx
227	58	93	75	50

pathology_M_stage:

m0	m1	mx	NA's
280	9	213	1

gender.x:

female	male
368	135

date_of_initial_pathologic_diagnosis:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.
1993	2008	2010	2009	2011	2013

radiation_therapy:

no	yes	NA's
----	-----	------

181 306 16

histological_type.x:

	other, specify	
		7
	thyroid papillary carcinoma - classical/usual	358
thyroid papillary carcinoma - follicular (>= 99		102
thyroid papillary carcinoma - tall cell (>= 50		36

radiation_exposure:

no	yes	NA's
423	17	63

extrathyroidal_extension:

minimal (t3)	moderate/advanced (t4a)	none
133	18	333
very advanced (t4b)	NA's	
1	18	

residual_tumor:

r0	r1	r2	rx	NA's
385	52	4	30	32

number_of_lymph_nodes:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0.000	0.000	1.000	3.658	5.000	41.000	114

multifocality:

multifocal	unifocal	NA's
227	266	10

tumor_size:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0.300	1.700	2.600	2.975	4.000	8.200	100

race.x:

american indian or alaska native	1	asian	52
black or african american	27	white	331
	NA's		
	92		

ethnicity.x:

hispanic or latino	not hispanic or latino	NA's
38	362	103

admin.bcr:

nationwide children's hospital

503

admin.day_of_dcc_upload:

1
503

admin.disease_code:

thca
503

admin.month_of_dcc_upload:

10
503

admin.patient_withdrawal.withdrawn:

false
503

admin.project_code:

tcga
503

admin.year_of_dcc_upload:

2015
503

patient.age_at_initial_pathologic_diagnosis:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.
15.00	35.00	46.00	47.27	58.00	89.00

patient.clinical_cqcf.anatomic_neoplasm_subdivision:

left	right	NA's
198	263	42

patient.clinical_cqcf.consent_or_death_status:

consented	deceased
490	13

patient.clinical_cqcf.country:

canada	russia	united states	vietnam
80	4	399	20

patient.clinical_cqcf.days_to_consent:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
-256.00	-13.00	4.00	51.41	42.75	3999.00	13

patient.clinical_cqcf.days_to_death:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
174	813	1385	1272	1734	2973	490


```

patient.clinical_cqcf.histological_type:
    classical/usual (papillary nos)          357
    other specify                             7
thyroid papillary carcinoma - follicular (>= 99)          103
    thyroid papillary carcinoma - tall cell (>= 50)          36

patient.clinical_cqcf.history_of_neoadjuvant_treatment:
    no yes, radiation prior to resection    499
    4

patient.clinical_cqcf.normal_tissue_anatomic_site:
    other thyroid gland          NA's
    9          104          390

patient.clinical_cqcf.normal_tissue_proximity:
    distal (>2cm)          NA's
    105          398

patient.clinical_cqcf.tumor_focality:
    multifocal    unifocal    NA's
    230          272          1

patient.clinical_cqcf.tumor_type:
    primary
    503

patient.day_of_form_completion:
    Min. 1st Qu.  Median    Mean 3rd Qu.  Max.
    1.0    10.0    14.0    15.7    21.0    31.0

patient.days_to_birth:
    Min. 1st Qu.  Median    Mean 3rd Qu.  Max.
    -32682 -21272 -17115 -17446 -12918 -5612

patient.days_to_death:
    Min. 1st Qu.  Median    Mean 3rd Qu.  Max.  NA's
    174.0  850.5  1204.0  1253.9  1699.8  2973.0  489

patient.days_to_initial_pathologic_diagnosis:
    0
    503

patient.days_to_last_followup:
    Min. 1st Qu.  Median    Mean 3rd Qu.  Max.  NA's
    -210.0  130.0  262.0  586.8  578.0  4484.0  14

```

```

patient.drugs.drug.2.day_of_form_completion:
  Min. 1st Qu.  Median    Mean 3rd Qu.  Max.   NA's
    1.0    5.0   17.5   13.0   18.0   28.0   491

patient.drugs.drug.2.days_to_drug_therapy_end:
  56 NA's
    1  502

patient.drugs.drug.2.days_to_drug_therapy_start:
  Min. 1st Qu.  Median    Mean 3rd Qu.  Max.   NA's
 30.00  47.75   75.00   92.75  97.25  267.00  491

patient.drugs.drug.2.drug_name:
      cytomel levothyroxine      levoxyl      synthroid      NA's
           1             4             2             5             491

patient.drugs.drug.2.measure_of_response:
complete response      NA's
           1             502

patient.drugs.drug.2.month_of_form_completion:
  1  2  10  12 NA's
  1  6  4  1  491

patient.drugs.drug.2.therapy_ongoing:
no  yes NA's
  1  10  492

patient.drugs.drug.2.therapy_types.therapy_type:
hormone therapy      NA's
           12             491

patient.drugs.drug.2.tx_on_clinical_trial:
no NA's
  12  491

patient.drugs.drug.2.year_of_form_completion:
2012 2013 2014 NA's
   4   7   1  491

patient.drugs.drug.3.bcr_drug_barcode:
tcga-e3-a3dz-d35668      NA's
           1             502

patient.drugs.drug.3.bcr_drug_uuid:
c3a97780-4ecf-4cb9-a66a-847cf6fc9265      NA's
                                           1             502

patient.drugs.drug.3.day_of_form_completion:
  5 NA's

```

1 502

patient.drugs.drug.3.days_to_drug_therapy_start:

59 NA's

1 502

patient.drugs.drug.3.drug_name:

synthroid NA's

1 502

patient.drugs.drug.3.month_of_form_completion:

10 NA's

1 502

patient.drugs.drug.3.therapy_ongoing:

yes NA's

1 502

patient.drugs.drug.3.therapy_types.therapy_type:

hormone therapy NA's

1 502

patient.drugs.drug.3.tx_on_clinical_trial:

no NA's

1 502

patient.drugs.drug.3.year_of_form_completion:

2012 NA's

1 502

patient.drugs.drug.day_of_form_completion:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1.0	12.5	18.0	19.0	28.0	31.0	460

patient.drugs.drug.days_to_drug_therapy_end:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
20.0	47.0	71.0	104.9	116.0	322.0	490

patient.drugs.drug.days_to_drug_therapy_start:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1.0	31.0	70.0	113.3	155.5	761.0	460

patient.drugs.drug.measure_of_response:

complete response	stable disease	NA's
10	1	492

patient.drugs.drug.month_of_form_completion:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1.000	2.000	3.000	4.279	5.500	10.000	460

patient.drugs.drug.prescribed_dose:

112 150 NA's
1 1 501

patient.drugs.drug.prescribed_dose_units:

ug NA's
2 501

patient.drugs.drug.regimen_indication:

adjuvant NA's
2 501

patient.drugs.drug.regimen_number:

1 NA's
2 501

patient.drugs.drug.route_of_administrations.route_of_administration:

oral NA's
2 501

patient.drugs.drug.therapy_ongoing:

no yes NA's
15 27 461

patient.drugs.drug.therapy_types.therapy_type:

chemotherapy hormone therapy NA's
1 41 461

patient.drugs.drug.tx_on_clinical_trial:

no NA's
41 462

patient.drugs.drug.year_of_form_completion:

2012 2013 2014 2015 NA's
10 17 15 1 460

patient.ethnicity:

hispanic or latino	not hispanic or latino	NA's
38	362	103

patient.extrathyroid_carcinoma_present_extension_status:

minimal (t3)	moderate/advanced (t4a)	none
133	18	333
very advanced (t4b)	NA's	
1	18	

patient.first_degree_relative_history_thyroid_gland_carcinoma_diagnosis_relation

child	parent	sibling	NA's
1	14	10	478

patient.first_degree_relative_history_thyroid_gland_carcinoma_diagnosis_relation

child NA's
1 502

patient.follow_ups.follow_up.2.day_of_form_completion:
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
1.0 12.0 24.0 20.9 28.0 31.0 329

patient.follow_ups.follow_up.2.days_to_last_followup:
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
15 1007 1251 1538 1972 5150 333

patient.follow_ups.follow_up.2.followup_case_report_form_submission_reason:
additional new tumor event scheduled follow-up submission
1 1
NA's
501

patient.follow_ups.follow_up.2.i_131_subsequent_administered_dose:
100 29.9 mci no NA's
1 1 1 500

patient.follow_ups.follow_up.2.i_131_total_administered_preparation_technique:
patient did not receive i-131 treatment rhtsh 42
52 42
thyroxine withdrawal NA's
31 378

patient.follow_ups.follow_up.2.lost_follow_up:
no yes NA's
162 10 331

patient.follow_ups.follow_up.2.month_of_form_completion:
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
1.000 3.000 3.000 5.414 9.000 12.000 329

patient.follow_ups.follow_up.2.new_tumor.additional_pharmaceutical_therapy:
no NA's
1 502

patient.follow_ups.follow_up.2.new_tumor.additional_radiation_therapy:
no NA's
1 502

patient.follow_ups.follow_up.2.new_tumor.additional_surgery_locoregional_procedure:
yes NA's
1 502

patient.follow_ups.follow_up.2.new_tumor.days_to_additional_surgery_metastatic_p

693 NA's
1 502

patient.follow_ups.follow_up.2.new_tumor.days_to_new_tumor_event_after_initial_t
693 NA's
1 502

patient.follow_ups.follow_up.2.new_tumor.histologic_disease_progression_present_
no NA's
1 502

patient.follow_ups.follow_up.2.new_tumor.i_131_total_administered_preparation_te
patient did not receive i-131 treatment NA's
1 502

patient.follow_ups.follow_up.2.new_tumor.new_neoplasm_confirmed_diagnosis_method
pathology NA's
1 502

patient.follow_ups.follow_up.2.new_tumor.new_neoplasm_event_occurrence_anatomic_
lymph node only NA's
1 502

patient.follow_ups.follow_up.2.new_tumor.new_neoplasm_event_type:
locoregional recurrence NA's
1 502

patient.follow_ups.follow_up.2.new_tumor.new_tumor_event_after_initial_treatment
no yes NA's
1 1 501

patient.follow_ups.follow_up.2.new_tumor.radiation_therapy_administered_preparat
patient did not receive radiation therapy
1
NA's
502

patient.follow_ups.follow_up.2.new_tumor.therapeutic_procedure_new_neoplasm_requ
surgery (distant metastasis) or surgery (loco-regional)
1
NA's
502

patient.follow_ups.follow_up.2.new_tumor.thyroid_gland_carcinoma_involvement_reg
lateral (levels 2-5) NA's
1 502

patient.follow_ups.follow_up.2.new_tumor_events.new_tumor_event.2.additional pha
no NA's
2 501

patient.follow_ups.follow_up.2.new_tumor_events.new_tumor_event.2.additional rad

```

no NA's
2 501

patient.follow_ups.follow_up.2.new_tumor_events.new_tumor_event.2.days_to_new_tu
1249 NA's
1 502

patient.follow_ups.follow_up.2.new_tumor_events.new_tumor_event.2.days_to_new_tu
1135 2072 NA's
1 1 501

patient.follow_ups.follow_up.2.new_tumor_events.new_tumor_event.2.histologic_dis
no NA's
2 501

patient.follow_ups.follow_up.2.new_tumor_events.new_tumor_event.2.new_neoplasm_o
imaging pathology NA's
1 1 501

patient.follow_ups.follow_up.2.new_tumor_events.new_tumor_event.2.new_neoplasm_e
lung lymph node only NA's
1 1 501

patient.follow_ups.follow_up.2.new_tumor_events.new_tumor_event.2.new_neoplasm_e
distant metastasis locoregional recurrence NA's
1 1 501

patient.follow_ups.follow_up.2.new_tumor_events.new_tumor_event.2.new_tumor_even
no NA's
1 502

patient.follow_ups.follow_up.2.new_tumor_events.new_tumor_event.2.therapeutic_pr
surgery (distant metastasis) or surgery (loco-regional)
1
NA's
502

patient.follow_ups.follow_up.2.new_tumor_events.new_tumor_event.2.thyroid_gland_
lateral (levels 2-5) NA's
1 502

patient.follow_ups.follow_up.2.new_tumor_events.new_tumor_event.additional_pharm
no yes NA's
10 2 491

patient.follow_ups.follow_up.2.new_tumor_events.new_tumor_event.additional_radia
no yes NA's
10 2 491

patient.follow_ups.follow_up.2.new_tumor_events.new_tumor_event.days_to_new_tumo
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
359.0 498.5 759.5 1026.6 1234.0 2382.0 493

```

patient.follow_ups.follow_up.2.new_tumor_events.new_tumor_event.days_to_new_tumor
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 30.0 385.0 720.0 783.8 1062.0 2093.0 490

patient.follow_ups.follow_up.2.new_tumor_events.new_tumor_event.histologic_disease
 no yes NA's
 9 1 493

patient.follow_ups.follow_up.2.new_tumor_events.new_tumor_event.histologic_disease
 poorly differentiated NA's
 1 502

patient.follow_ups.follow_up.2.new_tumor_events.new_tumor_event.i_131_total_administered
 patient did not receive i-131 treatment NA's
 4 499

patient.follow_ups.follow_up.2.new_tumor_events.new_tumor_event.new_neoplasm_confirmed
 imaging pathology NA's
 3 9 491

patient.follow_ups.follow_up.2.new_tumor_events.new_tumor_event.new_neoplasm_event_location
 lung lymph node only other, specify soft tissue NA's
 3 6 1 1 492

patient.follow_ups.follow_up.2.new_tumor_events.new_tumor_event.new_neoplasm_event_evidence_of_disease
 biochemical evidence of disease distant metastasis
 1 3
 locoregional recurrence new primary tumor
 7 2
 NA's
 490

patient.follow_ups.follow_up.2.new_tumor_events.new_tumor_event.new_neoplasm_occurrence
 cecum NA's
 1 502

patient.follow_ups.follow_up.2.new_tumor_events.new_tumor_event.new_tumor_event_recurrence
 no yes NA's
 3 9 491

patient.follow_ups.follow_up.2.new_tumor_events.new_tumor_event.radiation_therapy
 50 NA's
 1 502

patient.follow_ups.follow_up.2.new_tumor_events.new_tumor_event.radiation_therapy
 imrt
 1
 patient did not receive external radiation therapy
 3
 NA's
 499

patient.follow_ups.follow_up.2.new_tumor_events.new_tumor_event.radiosensitizing
 no NA's
 1 502

patient.follow_ups.follow_up.2.new_tumor_events.new_tumor_event.therapeutic_procedure
 surgery (distant metastasis) or surgery (loco-regional)
 10
 NA's
 493

patient.follow_ups.follow_up.2.new_tumor_events.new_tumor_event.therapeutic_procedure
 ebrt pharmaceutical therapy rai therapy
 1 1 1
 NA's
 500

patient.follow_ups.follow_up.2.new_tumor_events.new_tumor_event.therapeutic_procedure
 pharmaceutical therapy NA's
 1 502

patient.follow_ups.follow_up.2.new_tumor_events.new_tumor_event.thyroid_gland_cancer
 central (levels 6-7) lateral (levels 2-5) NA's
 3 3 497

patient.follow_ups.follow_up.2.new_tumor_events.new_tumor_event_after_initial_treatment
 no yes NA's
 146 13 344

patient.follow_ups.follow_up.2.person_neoplasm_cancer_status:
 tumor free with tumor NA's
 144 9 350

patient.follow_ups.follow_up.2.post_surgical_procedure_assessment_thyroid_gland_cancer
 no imaging evidence of disease persistent locoregional disease
 115 7
 NA's
 381

patient.follow_ups.follow_up.2.postoperative_rx_tx:
 no yes NA's
 160 7 336

patient.follow_ups.follow_up.2.radiation_therapy:
 no yes NA's
 71 99 333

patient.follow_ups.follow_up.2.radiation_therapy_administered_dose_text:
 60 gy 66 66gy NA's
 1 1 1 500

patient.follow_ups.follow_up.2.radiation_therapy_administered_preparation_technique

```

imrt
3
patient did not receive external radiation therapy
128
    patient did not receive radiation therapy
1
NA's
371

patient.follow_ups.follow_up.2.radiosensitizing_agent_administered_indicator:
no NA's
3 500

patient.follow_ups.follow_up.2.targeted_molecular_therapy:
no NA's
2 501

patient.follow_ups.follow_up.2.vital_status:
alive NA's
170 333

patient.follow_ups.follow_up.2.year_of_form_completion:
2012 2013 2014 2015 NA's
5 19 71 79 329

patient.follow_ups.follow_up.3.day_of_form_completion:
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
7.00 24.00 24.00 22.69 25.00 25.00 490

patient.follow_ups.follow_up.3.days_to_last_followup:
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
911 1653 2581 2609 3431 5068 490

patient.follow_ups.follow_up.3.i_131_subsequent_administered_dose:
100 mci NA's
1 502

patient.follow_ups.follow_up.3.i_131_total_administered_preparation_technique:
patient did not receive i-131 treatment rhtsh 4
4 4
thyroxine withdrawal NA's
5 490

patient.follow_ups.follow_up.3.lost_follow_up:
no NA's
13 490

patient.follow_ups.follow_up.3.month_of_form_completion:

```

3 8 11 NA's
11 1 1 490

patient.follow_ups.follow_up.3.new_tumor_events.new_tumor_event.2.additional_pharm
no NA's
1 502

patient.follow_ups.follow_up.3.new_tumor_events.new_tumor_event.2.additional_rad
no NA's
1 502

patient.follow_ups.follow_up.3.new_tumor_events.new_tumor_event.2.days_to_new_tu
1249 NA's
1 502

patient.follow_ups.follow_up.3.new_tumor_events.new_tumor_event.2.days_to_new_tu
1249 NA's
1 502

patient.follow_ups.follow_up.3.new_tumor_events.new_tumor_event.2.histologic_dis
no NA's
1 502

patient.follow_ups.follow_up.3.new_tumor_events.new_tumor_event.2.new_neoplasm_o
pathology NA's
1 502

patient.follow_ups.follow_up.3.new_tumor_events.new_tumor_event.2.new_neoplasm_e
lymph node only NA's
1 502

patient.follow_ups.follow_up.3.new_tumor_events.new_tumor_event.2.new_neoplasm_e
locoregional recurrence NA's
1 502

patient.follow_ups.follow_up.3.new_tumor_events.new_tumor_event.2.new_tumor_eve
yes NA's
1 502

patient.follow_ups.follow_up.3.new_tumor_events.new_tumor_event.additional_pharm
no NA's
1 502

patient.follow_ups.follow_up.3.new_tumor_events.new_tumor_event.additional_radia
no NA's
1 502

patient.follow_ups.follow_up.3.new_tumor_events.new_tumor_event.days_to_new_tumo
659 786 NA's
1 1 501

patient.follow_ups.follow_up.3.new_tumor_events.new_tumor_event.days_to_new_tumo

```

659 786 NA's
  1  1 501

patient.follow_ups.follow_up.3.new_tumor_events.new_tumor_event.histologic_disease
no NA's
  2 501

patient.follow_ups.follow_up.3.new_tumor_events.new_tumor_event.new_neoplasm_confirmed
pathology NA's
  2 501

patient.follow_ups.follow_up.3.new_tumor_events.new_tumor_event.new_neoplasm_event
lymph node only NA's
  2 501

patient.follow_ups.follow_up.3.new_tumor_events.new_tumor_event.new_neoplasm_event
locoregional recurrence NA's
  2 501

patient.follow_ups.follow_up.3.new_tumor_events.new_tumor_event.new_tumor_event
yes NA's
  2 501

patient.follow_ups.follow_up.3.new_tumor_events.new_tumor_event.therapeutic_procedure
surgery (distant metastasis) or surgery (loco-regional)
  2
NA's
  501

patient.follow_ups.follow_up.3.new_tumor_events.new_tumor_event.thyroid_gland_examined
central (levels 6-7) lateral (levels 2-5) NA's
  1 1 501

patient.follow_ups.follow_up.3.new_tumor_events.new_tumor_event_after_initial_treatment
no yes NA's
  11 2 490

patient.follow_ups.follow_up.3.person_neoplasm_cancer_status:
tumor free NA's
  13 490

patient.follow_ups.follow_up.3.post_surgical_procedure_assessment_thyroid_gland_examined
no imaging evidence of disease persistent locoregional disease
  11 2
NA's
  490

patient.follow_ups.follow_up.3.postoperative_rx_tx:
no NA's
  13 490

patient.follow_ups.follow_up.3.radiation_therapy:

```

no yes NA's
4 9 490

patient.follow_ups.follow_up.3.radiation_therapy_administered_preparation_technique:
patient did not receive external radiation therapy
12
NA's
491

patient.follow_ups.follow_up.3.vital_status:
alive NA's
13 490

patient.follow_ups.follow_up.3.year_of_form_completion:
2014 2015 NA's
2 11 490

patient.follow_ups.follow_up.4.bcr_followup_barcode:
tcga-et-a3dt-f71400 NA's
1 502

patient.follow_ups.follow_up.4.bcr_followup_uuid:
6bbe07f2-0512-4927-8c6f-2d37c0aa582d NA's
1 502

patient.follow_ups.follow_up.4.day_of_form_completion:
25 NA's
1 502

patient.follow_ups.follow_up.4.days_to_last_followup:
1330 NA's
1 502

patient.follow_ups.follow_up.4.i_131_total_administered_preparation_technique:
patient did not receive i-131 treatment NA's
1 502

patient.follow_ups.follow_up.4.lost_follow_up:
no NA's
1 502

patient.follow_ups.follow_up.4.month_of_form_completion:
3 NA's
1 502

patient.follow_ups.follow_up.4.new_tumor_events.new_tumor_event_after_initial_treatment:
no NA's
1 502

patient.follow_ups.follow_up.4.person_neoplasm_cancer_status:
tumor free NA's
1 502

patient.follow_ups.follow_up.4.post_surgical_procedure_assessment_thyroid_gland_
 no imaging evidence of disease NA's
 1 502

patient.follow_ups.follow_up.4.postoperative_rx_tx:
 no NA's
 1 502

patient.follow_ups.follow_up.4.radiation_therapy:
 no NA's
 1 502

patient.follow_ups.follow_up.4.radiation_therapy_administered_preparation_technique:
 patient did not receive external radiation therapy
 1
 NA's
 502

patient.follow_ups.follow_up.4.vital_status:
 alive NA's
 1 502

patient.follow_ups.follow_up.4.year_of_form_completion:
 2015 NA's
 1 502

patient.follow_ups.follow_up.day_of_form_completion:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 1.00 12.00 18.00 17.64 25.00 31.00 27

patient.follow_ups.follow_up.days_to_death:
 243 1011 1023 NA's
 1 1 1 500

patient.follow_ups.follow_up.days_to_last_followup:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 9.0 422.5 621.5 961.7 1106.0 5423.0 39

patient.follow_ups.follow_up.followup_case_report_form_submission_reason:
 scheduled follow-up submission NA's
 100 403

patient.follow_ups.follow_up.i_131_total_administered_preparation_technique:
 patient did not receive i-131 treatment rhtsh 88
 149
 thyroxine withdrawal NA's

95

171

patient.follow_ups.follow_up.lost_follow_up:

no	yes	NA's
347	29	127

patient.follow_ups.follow_up.month_of_form_completion:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1.000	3.000	5.000	6.063	9.000	12.000	27

patient.follow_ups.follow_up.new_tumor.additional_pharmaceutical_therapy:

no	yes	NA's
7	1	495

patient.follow_ups.follow_up.new_tumor.additional_radiation_therapy:

no	yes	NA's
6	1	496

patient.follow_ups.follow_up.new_tumor.additional_surgery_locoregional_procedure:

no	yes	NA's
1	7	495

patient.follow_ups.follow_up.new_tumor.days_to_additional_surgery_metastatic_procedure:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
232.0	487.5	526.0	584.6	572.0	1215.0	496

patient.follow_ups.follow_up.new_tumor.days_to_new_tumor_event_after_initial_treatment:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
158.0	444.0	509.0	558.6	574.5	1215.0	493

patient.follow_ups.follow_up.new_tumor.histologic_disease_progression_present_in_follow_up:

no	yes	NA's
6	1	496

patient.follow_ups.follow_up.new_tumor.i_131_total_administered_preparation_technique:

patient did not receive i-131 treatment	NA's
7	496

patient.follow_ups.follow_up.new_tumor.new_neoplasm_confirmed_diagnosis_method:

imaging	pathology	NA's
3	6	494

patient.follow_ups.follow_up.new_tumor.new_neoplasm_event_occurrence_anatomic_site:

bone	lung lymph node only	NA's
1	1	7
		494

patient.follow_ups.follow_up.new_tumor.new_neoplasm_event_type:

distant metastasis	locoregional recurrence	NA's
2	7	494

patient.follow_ups.follow_up.new_tumor.new_tumor_event_after_initial_treatment:

no	yes	NA's
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90 10 403

patient.follow_ups.follow_up.new_tumor.radiation_therapy_administered_dose_text:

6400 cgy NA's
1 502

patient.follow_ups.follow_up.new_tumor.radiation_therapy_administered_preparatio
imrt

1
patient did not receive radiation therapy
6
NA's
496

patient.follow_ups.follow_up.new_tumor.radiosensitizing_agent_administered_indic

no NA's
1 502

patient.follow_ups.follow_up.new_tumor.therapeutic_procedure_new_neoplasm_require
surgery (distant metastasis) or surgery (loco-regional)

6
NA's
497

patient.follow_ups.follow_up.new_tumor.thyroid_gland_carcinoma_involvement_regio

central (levels 6-7) lateral (levels 2-5) NA's
2 5 496

patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.2.additional_pharm

no NA's
1 502

patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.2.additional_radia

yes NA's
1 502

patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.2.days_to_new_tumo

356 1260 NA's
1 1 501

patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.2.days_to_new_tumo

330 1137 NA's
1 1 501

patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.2.histologic_disea

no NA's
1 502

patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.2.i_131_first_admi

171 NA's
1 502

patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.2.i_131_subsequent
 4 mci NA's
 1 502

patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.2.i_131_total_admin
 175 NA's
 1 502

patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.2.new_neoplasm_con
 pathology NA's
 1 502

patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.2.new_neoplasm_eve
 lymph node only NA's
 1 502

patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.2.new_neoplasm_eve
 locoregional recurrence NA's
 2 501

patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.2.new_tumor_event
 yes NA's
 2 501

patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.2.radiation_therap
 6600 NA's
 1 502

patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.2.radiation_therap
 imrt NA's
 1 502

patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.2.radiosensitizing
 no NA's
 1 502

patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.2.therapeutic_pro
 surgery (distant metastasis) or surgery (loco-regional)
 1
 NA's
 502

patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.2.therapeutic_pro
 rai therapy NA's
 1 502

patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.2.therapeutic_pro
 ebrt NA's
 1 502

patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.2.thyroid_gland_ca
 other NA's

1 502

patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.2.thyroid_gland_ca
r paratracheal NA's
1 502

patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.additional_pharmac
no NA's
9 494

patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.additional_radiati
no yes NA's
8 3 492

patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.days_to_new_tumor_
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
91.0 300.2 716.0 766.6 991.0 1855.0 495

patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.days_to_new_tumor_
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
6.0 266.5 474.0 551.5 728.5 1785.0 483

patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.histologic_disease
no yes NA's
4 3 496

patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.i_131_first_admini
125 154 NA's
1 1 501

patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.i_131_total_admini
125 154 NA's
1 1 501

patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.i_131_total_admini
patient did not receive i-131 treatment rhtsh
3 1
thyroxine withdrawal NA's
1 498

patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.new_neoplasm_confir
imaging pathology NA's
6 9 488

patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.new_neoplasm_event
lung lymph node only other, specify NA's
5 9 2 487

patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.new_neoplasm_event
biochemical evidence of disease distant metastasis
1 6
locoregional recurrence new primary tumor

THCA

3243

11
NA's
483

2

patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.new_neoplasm_occu
abdomen lt. thyroid pretracheal lymph node
1 1 1
prostate NA's
1 499

patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.new_tumor_event_ad
no yes NA's
3 8 492

patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.radiation_therapy_
patient did not receive external radiation therapy
5
NA's
498

patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.radiosensitizing_a
no NA's
1 502

patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.therapeutic_proced
rai therapy
3
surgery (distant metastasis) or surgery (loco-regional)
7
NA's
493

patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.therapeutic_proced
rai therapy NA's
1 502

patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.thyroid_gland_carc
lateral (levels 2-5) NA's
6 497

patient.follow_ups.follow_up.new_tumor_events.new_tumor_event_after_initial_trea
no yes NA's
334 22 147

patient.follow_ups.follow_up.person_neoplasm_cancer_status:
tumor free with tumor NA's
410 31 62

patient.follow_ups.follow_up.post_surgical_procedure_assessment_thyroid_gland_ca
no imaging evidence of disease persistent distant metastases
275 9
persistent locoregional disease NA's

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patient.follow_ups.follow_up.postoperative_rx_tx:
  no  yes NA's
311  41  151

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patient.follow_ups.follow_up.radiation_therapy:
  no  yes NA's
167  277  59

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patient.follow_ups.follow_up.radiation_therapy_administered_preparation_technique:
  imrt
  4
patient did not receive external radiation therapy
  219
  patient did not receive radiation therapy
  41
  NA's
  239

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patient.follow_ups.follow_up.radiosensitizing_agent_administered_indicator:
  no NA's
17  486

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patient.follow_ups.follow_up.targeted_molecular_therapy:
  no  yes NA's
95   5  403

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patient.follow_ups.follow_up.vital_status:
alive  dead  NA's
464    3    36

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patient.follow_ups.follow_up.year_of_form_completion:
  Min. 1st Qu.  Median    Mean 3rd Qu.  Max.  NA's
2010  2012    2013    2013  2014    2015   27

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patient.gender:
female  male
368    135

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```

patient.genotype_analysis_performed_indicator:
  no  yes NA's
286  28  189

```

```

patient.genotyping_results_gene_mutation_not_reported_reasons.genotyping_results:
no braf mutation detected
  10
  NA's
  493

```

```

patient.genotyping_results_gene_mutation_not_reported_reasons.genotyping_results:
no ras mutation detected
  9
  NA's
  494

```

patient.genotyping_results_gene_mutation_not_reported_reasons.genotyping_results
 no ret/ptc rearrangement detected NA's
 11 492

patient.histological_type: other specify
 thyroid papillary carcinoma - classical/usual 7
 358
 thyroid papillary carcinoma - follicular (>= 99 102
 thyroid papillary carcinoma - tall cell (>= 50 36

patient.history_of_neoadjuvant_treatment:
 no yes
 499 4

patient.i_131_total_administered_preparation_technique:
 patient did not receive i-131 treatment rhtsh 43
 71
 thyroxine withdrawal NA's 330
 59

patient.icd_10:
 c73
 503

patient.icd_o_3_site:
 c73.9
 503

patient.informed_consent_verified:
 yes
 503

patient.lymph_node_examined_count:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 0.00 2.00 5.00 12.66 16.00 106.00 112

patient.lymph_node_preoperative_assessment_diagnostic_imaging_types.lymph_node_p
 ct with contrast ct without contrast mri with contrast
 16 6 2
 mri without contrast NA's
 3 476

patient.lymph_node_preoperative_assessment_diagnostic_imaging_types.lymph_node_p
 mri with contrast NA's
 2 501

patient.lymph_node_preoperative_scan_indicator:
 no yes NA's
 104 371 28

patient.malignant_neoplasm_metastatic_involvement_site:
 bone lung other NA's
 2 10 1 490

patient.metastatic_neoplasm_confirmed_diagnosis_method_names.metastatic_neoplasm
 biopsy proven imaging suspected rai-avid NA's
 4 4 5 490

patient.metastatic_neoplasm_confirmed_diagnosis_method_names.metastatic_neoplasm
 imaging suspected NA's
 3 500

patient.metastatic_neoplasm_confirmed_diagnosis_method_text:
 papillary thyroid carcinoma NA's
 1 502

patient.month_of_form_completion:
 Min. 1st Qu. Median Mean 3rd Qu. Max.
 1.000 3.000 4.000 5.618 8.000 12.000

patient.neoplasm_dimension.neoplasm_depth:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 0.000 1.000 1.500 1.733 2.050 5.500 100

patient.neoplasm_dimension.neoplasm_length:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 0.100 1.625 2.500 2.897 4.000 12.000 29

patient.neoplasm_dimension.neoplasm_width:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 0.200 1.500 2.000 2.255 3.000 9.000 78

patient.new_tumor_events.new_tumor_event.2.additional_pharmaceutical_therapy:
 no NA's
 1 502

patient.new_tumor_events.new_tumor_event.2.additional_radiation_therapy:
 no yes NA's
 1 1 501

patient.new_tumor_events.new_tumor_event.2.days_to_new_tumor_event_additional_su
 1708 NA's
 1 502

patient.new_tumor_events.new_tumor_event.2.days_to_new_tumor_event_after_initial
 221 1708 NA's
 1 1 501

patient.new_tumor_events.new_tumor_event.2.i_131_total_administered_preparation_
 patient did not receive i-131 treatment NA's
 1 502

patient.new_tumor_events.new_tumor_event.2.new_neoplasm_confirmed_diagnosis_meth
 pathology NA's
 1 502

patient.new_tumor_events.new_tumor_event.2.new_neoplasm_event_occurrence_anatomi
 bone other, specify NA's
 1 1 501

patient.new_tumor_events.new_tumor_event.2.new_neoplasm_event_type:
 distant metastasis NA's
 2 501

patient.new_tumor_events.new_tumor_event.2.new_neoplasm_occurrence_anatomic_site
 femur NA's
 1 502

patient.new_tumor_events.new_tumor_event.2.new_tumor_event_additional_surgery_pr
 no yes NA's
 1 1 501

patient.new_tumor_events.new_tumor_event.2.radiation_therapy_administered_prepar
 imrt NA's
 1 502

patient.new_tumor_events.new_tumor_event.2.therapeutic_procedure_new_neoplasm_re
 surgery (distant metastasis) or surgery (loco-regional)
 1
 NA's
 502

patient.new_tumor_events.new_tumor_event.2.therapeutic_procedure_new_neoplasm_re
 rai therapy NA's
 1 502

patient.new_tumor_events.new_tumor_event.3.additional_pharmaceutical_therapy:
 yes NA's
 1 502

patient.new_tumor_events.new_tumor_event.3.additional_radiation_therapy:
 no NA's
 1 502

patient.new_tumor_events.new_tumor_event.3.i_131_total_administered_preparation_

patient did not receive i-131 treatment			NA's
	1		502
patient.new_tumor_events.new_tumor_event.3.new_neoplasm_confirmed_diagnosis_method imaging	NA's		
	1	502	
patient.new_tumor_events.new_tumor_event.3.new_neoplasm_event_occurrence_anatomical other, specify	NA's		
	1	502	
patient.new_tumor_events.new_tumor_event.3.new_neoplasm_event_type: distant metastasis	NA's		
	1	502	
patient.new_tumor_events.new_tumor_event.3.new_neoplasm_occurrence_anatomic_site neck	NA's		
	1	502	
patient.new_tumor_events.new_tumor_event.3.new_tumor_event_additional_surgery_performed no	NA's		
	1	502	
patient.new_tumor_events.new_tumor_event.3.radiosensitizing_agent_administered_in no	NA's		
	1	502	
patient.new_tumor_events.new_tumor_event.3.therapeutic_procedure_new_neoplasm_re pharmaceutical therapy	NA's		
	1	502	
patient.new_tumor_events.new_tumor_event.4.additional_pharmaceutical_therapy: yes	NA's		
	1	502	
patient.new_tumor_events.new_tumor_event.4.additional_radiation_therapy: no	NA's		
	1	502	
patient.new_tumor_events.new_tumor_event.4.i_131_total_administered_preparation patient did not receive i-131 treatment			NA's
	1		502
patient.new_tumor_events.new_tumor_event.4.new_neoplasm_confirmed_diagnosis_method imaging	NA's		
	1	502	
patient.new_tumor_events.new_tumor_event.4.new_neoplasm_event_occurrence_anatomical other, specify	NA's		
	1	502	
patient.new_tumor_events.new_tumor_event.4.new_neoplasm_event_type:			

distant metastasis		NA's
1		502
patient.new_tumor_events.new_tumor_event.4.new_neoplasm_occurrence_anatomic_site		
pleura	NA's	
1	502	
patient.new_tumor_events.new_tumor_event.4.new_tumor_event_additional_surgery_pr		
no	NA's	
1	502	
patient.new_tumor_events.new_tumor_event.4.radiosensitizing_agent_administered_i		
no	NA's	
1	502	
patient.new_tumor_events.new_tumor_event.4.therapeutic_procedure_new_neoplasm_re		
pharmaceutical therapy		NA's
1		502
patient.new_tumor_events.new_tumor_event.5.additional_pharmaceutical_therapy:		
yes	NA's	
1	502	
patient.new_tumor_events.new_tumor_event.5.additional_radiation_therapy:		
no	NA's	
1	502	
patient.new_tumor_events.new_tumor_event.5.i_131_total_administered_preparation		
patient did not receive i-131 treatment		NA's
	1	502
patient.new_tumor_events.new_tumor_event.5.new_neoplasm_confirmed_diagnosis_meth		
imaging	NA's	
1	502	
patient.new_tumor_events.new_tumor_event.5.new_neoplasm_event_occurrence_anatomi		
other, specify		NA's
1		502
patient.new_tumor_events.new_tumor_event.5.new_neoplasm_event_type:		
distant metastasis		NA's
1		502
patient.new_tumor_events.new_tumor_event.5.new_neoplasm_occurrence_anatomic_site		
liver	NA's	
1	502	
patient.new_tumor_events.new_tumor_event.5.new_tumor_event_additional_surgery_pr		
no	NA's	
1	502	
patient.new_tumor_events.new_tumor_event.5.radiosensitizing_agent_administered_i		

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no NA's
1 502

patient.new_tumor_events.new_tumor_event.5.therapeutic_procedure_new_neoplasm_re
pharmaceutical therapy NA's
1 502

patient.new_tumor_events.new_tumor_event.additional_pharmaceutical_therapy:
no yes NA's
7 1 495

patient.new_tumor_events.new_tumor_event.additional_radiation_therapy:
no yes NA's
6 4 493

patient.new_tumor_events.new_tumor_event.days_to_new_tumor_event_additional_surg
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
271.0 455.0 462.0 707.4 494.0 1855.0 498

patient.new_tumor_events.new_tumor_event.days_to_new_tumor_event_after_initial_t
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
110.0 242.5 411.0 526.4 519.0 1855.0 492

patient.new_tumor_events.new_tumor_event.histologic_disease_progression_present_
no yes NA's
1 3 499

patient.new_tumor_events.new_tumor_event.histologic_disease_progression_present_
metastatic papillary thyroid ca papillary carcinoma
1 1
papillary thyroid carcinoma NA's
1 500

patient.new_tumor_events.new_tumor_event.histologic_disease_progression_present_
other, specify NA's
3 500

patient.new_tumor_events.new_tumor_event.i_131_first_administered_dose:
125 152 200 NA's
1 1 1 500

patient.new_tumor_events.new_tumor_event.i_131_total_administered_dose:
229 350 NA's
1 1 501

patient.new_tumor_events.new_tumor_event.i_131_total_administered_preparation_te
patient did not receive i-131 treatment thyroxine withdrawal
4 3
NA's
496

patient.new_tumor_events.new_tumor_event.new_neoplasm_confirmed_diagnosis_method

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imaging pathology      NA's
      6          3      494

patient.new_tumor_events.new_tumor_event.new_neoplasm_event_occurrence_anatomic
      lung lymph node only  other, specify      soft tissue      NA's
      4          3          2          1          493

patient.new_tumor_events.new_tumor_event.new_neoplasm_event_type:
      distant metastasis  locoregional recurrence      new primary tumor
      4          5          1
      NA's
      493

patient.new_tumor_events.new_tumor_event.new_neoplasm_occurrence_anatomic_site_t
      bowel left thyroid bed      NA's
      1          1          501

patient.new_tumor_events.new_tumor_event.new_tumor_event_additional_surgery_pro
      no  yes NA's
      5   5  493

patient.new_tumor_events.new_tumor_event.radiation_therapy_administered_dose_tex
      60 NA's
      1  502

patient.new_tumor_events.new_tumor_event.radiation_therapy_administered_preparat
      imrt
      1
patient did not receive external radiation therapy
      2
      NA's
      500

patient.new_tumor_events.new_tumor_event.radiosensitizing_agent_administered_ind
      no  yes NA's
      3   1  499

patient.new_tumor_events.new_tumor_event.therapeutic_procedure_new_neoplasm_requ
      pharmaceutical therapy
      1
      rai therapy
      3
surgery (distant metastasis) or surgery (loco-regional)
      3
      NA's
      496

patient.new_tumor_events.new_tumor_event.therapeutic_procedure_new_neoplasm_requ
      rai therapy      NA's
      1          502

patient.new_tumor_events.new_tumor_event.thyroid_gland_carcinoma_involvement_reg

```

lateral (levels 2-5)	other	NA's
2	2	499

patient.new_tumor_events.new_tumor_event.thyroid_gland_carcinoma_regional_lymph			
left level 3	right neck	NA's	
1	1	501	

patient.new_tumor_events.new_tumor_event_after_initial_treatment:			
no	yes	NA's	
250	11	242	

patient.number_of_lymphnodes_positive_by_he:							
Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's	
0.000	0.000	1.000	3.658	5.000	41.000	114	

patient.other_genotyping_outcome_lab_results_text:		
not identified	NA's	
1	502	

patient.other_metastatic_involvement_anatomic_site:		
lymph node	NA's	
1	502	

patient.patient_personal_medical_history_thyroid_gland_disorder_names.patient_pe			
lymphocytic thyroiditis	nodular hyperplasia	normal	
	71	69	280
other, specify	NA's		
	25	58	

patient.patient_personal_medical_history_thyroid_gland_disorder_names.patient_pe			
nodular hyperplasia	other, specify	NA's	
	23	6	474

patient.patient_personal_medical_history_thyroid_gland_disorder_names.patient_pe		
other, specify	NA's	
1	502	

patient.person_lifetime_risk_radiation_exposure_indicator:			
no	yes	NA's	
423	17	63	

patient.person_neoplasm_cancer_status:		
tumor free with tumor	NA's	
412	49	42

patient.post_surgical_procedure_assessment_thyroid_gland_carcinoma_status:			
no imaging evidence of disease	persistent distant metastases		
	93		3
persistent locoregional disease		NA's	
	11		396

patient.postoperative_rx_tx:
 no yes NA's
 217 17 269

patient.primary_lymph_node_presentation_assessment:
 no yes NA's
 106 388 9

patient.primary_neoplasm_focus_type:
 multifocal unifocal NA's
 227 266 10

patient.primary_thyroid_gland_neoplasm_location_anatomic_site:
 bilateral isthmus left lobe right lobe NA's
 86 22 175 214 6

patient.prior_dx:
 no yes
 471 32

patient.race:
 american indian or alaska native 1 asian 52
 black or african american 27 white 331
 NA's 92

patient.radiation_therapy:
 no yes NA's
 77 156 270

patient.radiation_therapy_administered_dose_text:
 33 60 gy NA's
 2 1 500

patient.radiation_therapy_administered_preparation_technique_text:
 imrt
 3
 patient did not receive external radiation therapy
 106
 NA's
 394

patient.radiations.radiation.2.course_number:
 2 NA's
 2 501

patient.radiations.radiation.2.day_of_form_completion:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 2.00 8.50 15.00 16.63 25.00 28.00 484

patient.radiations.radiation.2.days_to_radiation_therapy_end:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 52.0 97.0 323.0 428.9 540.0 1716.0 484

patient.radiations.radiation.2.days_to_radiation_therapy_start:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 49.0 97.0 323.0 421.7 540.0 1716.0 484

patient.radiations.radiation.2.measure_of_response:
 complete response partial response NA's
 8 3 492

patient.radiations.radiation.2.month_of_form_completion:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 1.000 3.500 7.000 6.684 10.000 12.000 484

patient.radiations.radiation.2.numfractions:
 1 30 33 35 NA's
 10 1 1 1 490

patient.radiations.radiation.2.radiation_dosage:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 60.0 129.9 150.0 510.1 200.0 6400.0 484

patient.radiations.radiation.2.radiation_treatment_ongoing:
 no NA's
 19 484

patient.radiations.radiation.2.radiation_type:
 external external beam radioisotopes systemic NA's
 2 1 1 15 484

patient.radiations.radiation.2.regimen_indication:
 adjuvant recurrence NA's
 1 1 501

patient.radiations.radiation.2.units:
 cgy gy mci NA's
 2 2 14 485

patient.radiations.radiation.2.year_of_form_completion:
 2012 2013 2014 NA's
 7 5 7 484

patient.radiations.radiation.anatomic_treatment_site:
 distant recurrence local recurrence primary tumor field regional site
 1 1 200 38
 NA's

263

patient.radiations.radiation.course_number:

1 NA's
13 490

patient.radiations.radiation.day_of_form_completion:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1.00	7.00	14.00	15.46	23.00	31.00	232

patient.radiations.radiation.days_to_radiation_therapy_end:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1.0	60.0	99.0	135.5	141.0	3490.0	241

patient.radiations.radiation.days_to_radiation_therapy_start:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1.0	56.0	96.0	128.2	139.5	3470.0	236

patient.radiations.radiation.measure_of_response:

	complete response	partial response
	157	18
radiographic progressive disease		stable disease
	7	6
	NA's	
	315	

patient.radiations.radiation.month_of_form_completion:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1.000	3.000	4.000	5.985	10.000	12.000	232

patient.radiations.radiation.radiation_dosage:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1.90	76.08	100.80	134.70	150.00	6600.00	251

patient.radiations.radiation.radiation_treatment_ongoing:

no NA's
269 234

patient.radiations.radiation.regimen_indication:

adjuvant NA's
14 489

patient.radiations.radiation.units:

cgy gy mci NA's
1 11 234 257

patient.radiations.radiation.year_of_form_completion:

2012 2013 2014 2015 NA's

97 113 53 8 232

patient.radiosensitizing_agent_administered_indicator:
 no NA's
 14 489

patient.residual_tumor:
 r0 r1 r2 rx NA's
 385 52 4 30 32

patient.stage_event.system_version:
 4th 5th 6th 7th
 3 27 126 347

patient.stage_event.tnm_categories.pathologic_categories.pathologic_m:
 m0 m1 mx NA's
 280 9 213 1

patient.stage_event.tnm_categories.pathologic_categories.pathologic_n:
 n0 n1 n1a n1b nx
 227 58 93 75 50

patient.tissue_prospective_collection_indicator:
 no yes
 402 101

patient.tissue_retrospective_collection_indicator:
 no yes
 101 402

patient.tumor_tissue_site:
 thyroid
 503

patient.vital_status:
 alive dead
 489 14

patient.year_of_form_completion:
 2010 2011 2012 2013 2014
 4 133 216 145 5

patient.year_of_initial_pathologic_diagnosis:
 Min. 1st Qu. Median Mean 3rd Qu. Max.
 1993 2008 2010 2009 2011 2013

patient.bcr_canonical_check.bcr_patient_canonical_reasons.bcr_canonical_reason:

case matched expression control	case matched methylation control
59	6
germline comparison primary tumor and metastatic tumor(s)	
9	8
NA's	
421	

patient.bcr_canonical_check.bcr_patient_canonical_reasons.bcr_canonical_reason.2

case matched methylation control	germline comparison
50	1
NA's	
452	

patient.bcr_canonical_check.bcr_patient_canonical_reasons.bcr_canonical_reason.3

germline comparison	NA's
21	482

patient.bcr_canonical_check.bcr_patient_canonical_status:

canonical	canonical - plus
421	82

patient.biospecimen_cqcf.consent_or_death_status:

consented	deceased
490	13

patient.biospecimen_cqcf.country:

canada	russia	united states	vietnam
80	4	399	20

patient.biospecimen_cqcf.days_to_pathology_review:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.
-166.0	92.0	215.0	760.1	1057.0	6853.0

patient.biospecimen_cqcf.days_to_sample_procurement:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.
-211.00	0.00	0.00	19.35	37.50	214.00

patient.biospecimen_cqcf.digital_image_submitted:

no	yes
361	142

patient.biospecimen_cqcf.ethnicity:

hispanic or latino	not hispanic or latino	NA's
1	24	478

patient.biospecimen_cqcf.ffpe_tumor_slide_submitted:

digital image	slide	NA's
103	381	19

patient.biospecimen_cqcf.frozen_specimen_anatomic_site:

thyroid gland	thyroid; isthmus	NA's
471	25	7

```

patient.biospecimen_cqcf.histological_type:
      classical/usual (papillary nos)
                                357
      other specify
                                7
thyroid papillary carcinoma - follicular (>= 99
                                103
      thyroid papillary carcinoma - tall cell (>= 50
                                36

```

```

patient.biospecimen_cqcf.history_of_neoadjuvant_treatment:
      no yes, radiation prior to resection
                                499
                                4

```

```

patient.biospecimen_cqcf.laterality:
bilateral      left      right      NA's
      3          198      263          39

```

```

patient.biospecimen_cqcf.method_of_sample_procurement:
surgical resection
      503

```

```

patient.biospecimen_cqcf.normal_controls.normal_control.2.days_to_normal_sample_
      Min. 1st Qu.  Median      Mean 3rd Qu.      Max.      NA's
-211.00    0.00   14.50   18.65   48.25  138.00    463

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```

patient.biospecimen_cqcf.normal_controls.normal_control.2.method_of_normal_sampl
      blood draw surgical resection      NA's
      27          13          463

```

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patient.biospecimen_cqcf.normal_controls.normal_control.2.normal_tissue.normal_t
thyroid gland      NA's
      12          491

```

```

patient.biospecimen_cqcf.normal_controls.normal_control.2.normal_tissue.normal_t
distal (>2cm)      NA's
      12          491

```

```

patient.biospecimen_cqcf.normal_controls.normal_control.2.vial_number:
      1      2 NA's
      25   16  462

```

```

patient.biospecimen_cqcf.normal_controls.normal_control.days_to_normal_sample_pr
      Min. 1st Qu.  Median      Mean 3rd Qu.      Max.      NA's
-731.0    0.0     8.0    56.6    49.0  4032.0     2

```

```

patient.biospecimen_cqcf.normal_controls.normal_control.extracted_dna.ncedna_dna
      Min. 1st Qu.  Median      Mean 3rd Qu.      Max.      NA's
0.0086   0.0715   0.2252  45.5717   0.9054  532.3000    284

```

patient.biospecimen_cqcf.normal_controls.normal_control.extracted_dna.ncedna_dna

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
9.92	15.00	20.00	17.69	20.00	22.31	284

patient.biospecimen_cqcf.normal_controls.normal_control.extracted_dna.ncedna_dna

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
10.3	42.5	93.0	222.6	269.0	2326.0	284

patient.biospecimen_cqcf.normal_controls.normal_control.method_of_normal_sample_

	blood draw	other (please specify)
	407	1
other method (please specify)		surgical resection
	2	91
	NA's	
	2	

patient.biospecimen_cqcf.normal_controls.normal_control.normal_tissue.normal_tis

	other thyroid gland	NA's
	9	401

patient.biospecimen_cqcf.normal_controls.normal_control.normal_tissue.normal_tis

	distal (>2cm)	NA's
	94	409

patient.biospecimen_cqcf.normal_controls.normal_control.vial_number:

1	2	4	NA's
493	8	1	1

patient.biospecimen_cqcf.path_confirm_diagnosis_matching:

no	yes
4	499

patient.biospecimen_cqcf.path_confirm_report_attached:

no	yes	NA's
86	414	3

patient.biospecimen_cqcf.path_confirm_tumor_necrosis_metrics:

yes
503

patient.biospecimen_cqcf.path_confirm_tumor_nuclei_metrics:

no	yes
1	502

patient.biospecimen_cqcf.race:

american indian or alaska native	asian
1	4
black or african american	white
8	14

NA's
476

patient.biospecimen_cqcf.reason_path_confirm_diagnosis_not_matching:
pathology analysis at tss determined a specific histological subtype different
pathology review of frozen section for tcga determined histological subtype diff

patient.biospecimen_cqcf.sample_prescreened:
yes
503

patient.biospecimen_cqcf.site_of_disease:
thyroid gland NA's
496 7

patient.biospecimen_cqcf.site_of_disease_description:
isthmus NA's
25 478

patient.biospecimen_cqcf.submitted_for_lce:
no yes NA's
266 4 233

patient.biospecimen_cqcf.top_slide_submitted:
no yes
142 361

patient.biospecimen_cqcf.tumor_samples.tumor_sample.2.tumor_necrosis_percent:
0 1 5 10 NA's
12 1 2 1 487

patient.biospecimen_cqcf.tumor_samples.tumor_sample.2.tumor_nuclei_percent:
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
60.00 70.00 82.50 81.56 91.25 100.00 487

patient.biospecimen_cqcf.tumor_samples.tumor_sample.2.tumor_weight:
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
50.00 85.25 97.00 120.38 129.50 259.00 487

patient.biospecimen_cqcf.tumor_samples.tumor_sample.2.vial_number:
1 2 NA's
13 3 487

patient.biospecimen_cqcf.tumor_samples.tumor_sample.3.bcr_sample_uuid:
c25aed9b-a1b7-48a9-8587-8d218f6a9562 NA's
1 502

```

patient.biospecimen_cqcf.tumor_samples.tumor_sample.3.tumor_necrosis_percent:
  0 NA's
  1 502

patient.biospecimen_cqcf.tumor_samples.tumor_sample.3.tumor_nuclei_percent:
  90 NA's
  1 502

patient.biospecimen_cqcf.tumor_samples.tumor_sample.3.tumor_weight:
  50 NA's
  1 502

patient.biospecimen_cqcf.tumor_samples.tumor_sample.3.vial_number:
  1 NA's
  1 502

patient.biospecimen_cqcf.tumor_samples.tumor_sample.4.bcr_sample_uuid:
fc3b3071-4069-4919-83c1-0bb2fbe718a8 NA's
                                     1                               502

patient.biospecimen_cqcf.tumor_samples.tumor_sample.4.tumor_necrosis_percent:
  0 NA's
  1 502

patient.biospecimen_cqcf.tumor_samples.tumor_sample.4.tumor_nuclei_percent:
  90 NA's
  1 502

patient.biospecimen_cqcf.tumor_samples.tumor_sample.4.tumor_weight:
  50 NA's
  1 502

patient.biospecimen_cqcf.tumor_samples.tumor_sample.4.vial_number:
  1 NA's
  1 502

patient.biospecimen_cqcf.tumor_samples.tumor_sample.tumor_necrosis_percent:
  Min. 1st Qu.  Median    Mean 3rd Qu.  Max.
  0.000  0.000   0.000   6.215  5.000  30.000

patient.biospecimen_cqcf.tumor_samples.tumor_sample.tumor_nuclei_percent:
  Min. 1st Qu.  Median    Mean 3rd Qu.  Max.
  25.00  70.00   80.00   80.62  90.00  100.00

patient.biospecimen_cqcf.tumor_samples.tumor_sample.tumor_weight:
  Min. 1st Qu.  Median    Mean 3rd Qu.  Max.
   7.0  100.0   200.0   221.5  250.0  1719.0

patient.biospecimen_cqcf.tumor_samples.tumor_sample.vial_number:
  1 2
502 1

```

```

patient.biospecimen_cqcf.vessel_used:
biospecimen storage bag          cassette          cryomold
                28                31                149
                cryovial other (please specify)
                254                41

patient.days_to_index:
0
503

patient.samples.sample.2.bcr_biospecimen_canonical_reasons.bcr_canonical_reason:
primary tumor and metastatic tumor(s)          NA's
                8                495

patient.samples.sample.2.days_to_collection:
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.
-138.0  138.5   257.0   807.0 1098.5  6870.0

patient.samples.sample.2.initial_weight:
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.    NA's
  30.0  100.0   215.0   184.7  240.0   430.0   429

patient.samples.sample.2.is_ffpe:
no
503

patient.samples.sample.2.oct_embedded:
false true
  481   22

patient.samples.sample.2.portions.portion.analytes.analyte.2.a260_a280_ratio:
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.    NA's
  1.340  1.780   1.820   1.821  1.860   2.070   457

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.2.
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.    NA's
  97491237 118955598 122967854 124698590 132180991 132257061   457

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.2.
  7  13 NA's
  35 11 457

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.2.
0.15 0.16 0.17 0.18 NA's
  14  18   9   5 457

```

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.2.
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 3.00 17.00 29.00 24.17 29.00 31.00 457

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.2.
 no NA's
 46 457

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.2.
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 1.000 4.250 7.000 6.043 8.000 12.000 457

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.2.
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 1.000 3.000 5.000 5.022 6.000 10.000 457

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.2.
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 1.950 2.080 2.080 2.416 2.835 4.270 457

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.2.
 23 NA's
 46 457

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.2.
 13 20 26.7 NA's
 34 11 1 457

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.2.
 2011 2012 NA's
 5 41 457

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.bi
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 97489969 113419855 122848642 124551951 132272605 175156215 3

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.ce
 7 8 13 NA's
 11 454 35 3

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.co
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 0.1500 0.5000 0.5000 0.4688 0.5000 0.5000 3

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.da
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 1.0 15.0 20.0 18.2 25.0 31.0 3

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.is
no NA's
500 3

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.mo
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
1.000 2.000 5.000 5.296 8.000 12.000 3

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.pl
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
1.000 6.000 8.000 7.534 9.000 12.000 3

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.qu
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
1.95 40.00 40.00 36.59 40.00 40.00 3

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.sc
23 NA's
500 3

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.vo
13 20 80 NA's
11 35 454 3

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.ye
2011 2012 2013 2014 NA's
132 277 84 7 3

patient.samples.sample.2.portions.portion.analytes.analyte.2.amount:
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
5.40 10.75 13.87 17.59 18.05 55.44 457

patient.samples.sample.2.portions.portion.analytes.analyte.2.analyte_type:
repli-g (qiagen) dna rna NA's
454 46 3

patient.samples.sample.2.portions.portion.analytes.analyte.2.analyte_type_id:
r w NA's
46 454 3

patient.samples.sample.2.portions.portion.analytes.analyte.2.concentration:
0.15 0.16 0.17 0.18 NA's
14 18 9 5 457

patient.samples.sample.2.portions.portion.analytes.analyte.2.dna.normal_tumor_ge
yes NA's
454 49

patient.samples.sample.2.portions.portion.analytes.analyte.2.dna.pcr_amplification
yes NA's
454 49

patient.samples.sample.2.portions.portion.analytes.analyte.2.gel_image_file:
<https://sharedoc.nchri.org/tcga-bcr/default.aspx>
500
NA's
3

patient.samples.sample.2.portions.portion.analytes.analyte.2.is_derived_from_ffp
no NA's
500 3

patient.samples.sample.2.portions.portion.analytes.analyte.2.protocols.protocol.
mirvana (allprep dna) rna repli-g NA's
46 454 3

patient.samples.sample.2.portions.portion.analytes.analyte.2.rna.ratio_28s_18s:
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
0.900 1.275 1.390 1.392 1.450 2.600 457

patient.samples.sample.2.portions.portion.analytes.analyte.2.rna.rinvalue:
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
7.000 7.525 7.850 7.917 8.175 9.400 457

patient.samples.sample.2.portions.portion.analytes.analyte.2.spectrophotometer_m
uv spec NA's
46 457

patient.samples.sample.2.portions.portion.analytes.analyte.2.subportion_sequence
1 2 3 NA's
65 8 2 428

patient.samples.sample.2.portions.portion.analytes.analyte.3.aliquots.aliquot.bi
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
113388311 122878406 132272604 127565558 132272702 145630498 457

patient.samples.sample.2.portions.portion.analytes.analyte.3.aliquots.aliquot.ce
8 NA's
46 457

patient.samples.sample.2.portions.portion.analytes.analyte.3.aliquots.aliquot.co
0.5 NA's
46 457

patient.samples.sample.2.portions.portion.analytes.analyte.3.aliquots.aliquot.da
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
1.00 16.00 17.00 16.87 20.00 25.00 457

patient.samples.sample.2.portions.portion.analytes.analyte.3.aliquots.aliquot.is
no NA's
46 457

patient.samples.sample.2.portions.portion.analytes.analyte.3.aliquots.aliquot.mo
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
1.000 5.000 7.000 7.065 10.000 12.000 457

patient.samples.sample.2.portions.portion.analytes.analyte.3.aliquots.aliquot.pl
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
1.000 6.000 7.000 6.565 8.000 11.000 457

patient.samples.sample.2.portions.portion.analytes.analyte.3.aliquots.aliquot.qu
40 NA's
46 457

patient.samples.sample.2.portions.portion.analytes.analyte.3.aliquots.aliquot.sc
23 NA's
46 457

patient.samples.sample.2.portions.portion.analytes.analyte.3.aliquots.aliquot.vo
80 NA's
46 457

patient.samples.sample.2.portions.portion.analytes.analyte.3.aliquots.aliquot.ye
2011 2012 2013 NA's
3 41 2 457

patient.samples.sample.2.portions.portion.analytes.analyte.3.analyte_type:
repli-g (qiagen) dna NA's
46 457

patient.samples.sample.2.portions.portion.analytes.analyte.3.analyte_type_id:
w NA's
46 457

patient.samples.sample.2.portions.portion.analytes.analyte.3.dna.normal_tumor_ge
yes NA's
46 457

patient.samples.sample.2.portions.portion.analytes.analyte.3.dna.pcr_amplificati
yes NA's
46 457

patient.samples.sample.2.portions.portion.analytes.analyte.3.gel_image_file:
<https://sharedoc.nchri.org/tcga-bcr/default.aspx>
46

NA's
457

patient.samples.sample.2.portions.portion.analytes.analyte.3.is_derived_from_ffp
no NA's
46 457

patient.samples.sample.2.portions.portion.analytes.analyte.3.protocols.protocol.
repli-g NA's
46 457

patient.samples.sample.2.portions.portion.analytes.analyte.3.subportion_sequence
1 2 3 NA's
37 7 2 457

patient.samples.sample.2.portions.portion.analytes.analyte.a260_a280_ratio:
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
0.180 1.870 1.930 1.911 2.000 2.430 414

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.2.bi
Min. 1st Qu. Median Mean 3rd Qu. Max.
97484832 113420436 118965699 121192842 132181368 167788187

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.2.ce
1 2 8
81 26 396

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.2.co
Min. 1st Qu. Median Mean 3rd Qu. Max.
0.07000 0.08000 0.08000 0.09624 0.09000 0.18000

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.2.da
Min. 1st Qu. Median Mean 3rd Qu. Max.
3.00 13.00 19.00 20.17 29.00 31.00

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.2.is
no
503

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.2.mo
Min. 1st Qu. Median Mean 3rd Qu. Max.
1.000 5.000 8.000 7.513 11.000 12.000

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.2.pl
Min. 1st Qu. Median Mean 3rd Qu. Max.
1.000 7.000 8.000 7.682 9.000 12.000

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.2.qu

	Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	
	0.980	2.080	3.200	2.668	3.200	3.600	
patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.2.so							
	23						
	503						
patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.2.vo							
	Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	
	6.67	26.00	40.00	32.43	40.00	40.00	
patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.2.ye							
2011 2012 2014							
	228	268	7				
patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.3.bi							
	Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
	97486990	108474541	113417144	113002618	118965637	153889058	313
patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.3.ce							
	1	5	8	26	NA's		
	24	33	108	25	313		
patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.3.co							
	Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
	0.0700	0.0800	0.0900	0.1133	0.1500	0.1700	313
patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.3.da							
	Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
	3.00	15.00	27.00	21.99	30.00	31.00	313
patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.3.is							
	no NA's						
	190	313					
patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.3.mo							
	Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
	1.000	3.000	5.000	5.311	8.000	12.000	313
patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.3.pl							
	Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
	1.000	8.000	9.000	8.968	10.000	12.000	313
patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.3.qu							
	Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
	0.870	1.700	3.200	2.552	3.200	3.600	313
patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.3.so							

23 NA's
190 313

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.3.vo
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
6.67 10.00 40.00 27.01 40.00 40.00 313

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.3.ye
2011 2012 2013 NA's
133 56 1 313

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.4.bi
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
99039597 113397052 113417220 118169305 117572104 167811810 485

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.4.ce
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
1.000 5.000 5.000 7.167 8.000 26.000 485

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.4.co
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
0.0800 0.0825 0.1550 0.1317 0.1600 0.1800 485

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.4.da
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
3.00 14.25 24.00 21.28 31.00 31.00 485

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.4.is
no NA's
18 485

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.4.mo
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
1.000 5.250 8.000 7.111 8.750 11.000 485

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.4.pl
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
1.000 8.000 10.000 9.111 12.000 12.000 485

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.4.qu
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
1.070 1.950 2.275 2.617 3.200 4.540 485

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.4.so
23 NA's
18 485

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.4.vo

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
6.70	13.00	13.40	22.31	36.67	40.00	485

patient.samples.sample.2.portions.portion.analytes.analyte.aliqots.aliquot.4.ye
2011 2012 2013 2015 NA's
14 2 1 1 485

patient.samples.sample.2.portions.portion.analytes.analyte.aliqots.aliquot.5.bo
tcga-e8-a2jq-10a-01d-a19m-08 tcga-em-a2cs-06a-11d-a19i-01
1 1
tcga-fe-a22z-10a-01d-a33c-08 NA's
1 500

patient.samples.sample.2.portions.portion.analytes.analyte.aliqots.aliquot.5.bo
le799591-6697-4c1c-8289-af911b46df3a 4d9b9597-a773-4777-93e0-2e5a3eb178ab
1 1
cbc0921a-26ee-4492-af40-ba86d2868ef0 NA's
1 500

patient.samples.sample.2.portions.portion.analytes.analyte.aliqots.aliquot.5.bi
118953091 118957833 153889060 NA's
1 1 1 500

patient.samples.sample.2.portions.portion.analytes.analyte.aliqots.aliquot.5.ce
1 8 NA's
1 2 500

patient.samples.sample.2.portions.portion.analytes.analyte.aliqots.aliquot.5.co
0.08 0.09 0.16 NA's
1 1 1 500

patient.samples.sample.2.portions.portion.analytes.analyte.aliqots.aliquot.5.da
8 21 NA's
2 1 500

patient.samples.sample.2.portions.portion.analytes.analyte.aliqots.aliquot.5.is
no NA's
3 500

patient.samples.sample.2.portions.portion.analytes.analyte.aliqots.aliquot.5.mo
10 11 NA's
1 2 500

patient.samples.sample.2.portions.portion.analytes.analyte.aliqots.aliquot.5.pl
1 12 NA's
1 2 500

patient.samples.sample.2.portions.portion.analytes.analyte.aliqots.aliquot.5.pl
a19i a19m a33c NA's
1 1 1 500

patient.samples.sample.2.portions.portion.analytes.analyte.aliqots.aliquot.5.pl

```

a      d      f NA's
1      1      1 500

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.5.qu
1.07  3.6 NA's
2      1 500

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.5.sc
23 NA's
3      500

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.5.vo
6.7 13.4 40 NA's
1      1      1 500

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.5.ye
2011 2013 NA's
2      1 500

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.6.bo
tcga-e8-a2jq-10a-01d-a19p-02 tcga-em-a2cs-06a-11d-a19j-08
1 1
tcga-fe-a22z-10a-01d-a35r-08 NA's
1 500

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.6.bo
46efe84b-e856-4b4d-alfa-578578741495 60b04e1e-2889-44e1-94af-2eed7e43095e
1 1
e9058fde-c9df-49ec-94f3-b918a84c4c2e NA's
1 500

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.6.bi
118955649 118957911 160356588 NA's
1 1 1 500

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.6.ce
2 8 NA's
1 2 500

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.6.co
0.08 0.17 NA's
2 1 500

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.6.da
6 8 NA's
1 2 500

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.6.is
no NA's
3 500

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.6.mo

```

```

1 11 NA's
1 2 500

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.6.pl
1 12 NA's
2 1 500

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.6.pl
a19j a19p a35r NA's
1 1 1 500

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.6.pl
a b d NA's
1 1 1 500

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.6.qu
1.07 1.7 3.2 NA's
1 1 1 500

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.6.sc
23 NA's
3 500

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.6.vo
10 13.4 40 NA's
1 1 1 500

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.6.ye
2011 2014 NA's
2 1 500

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.7.bo
tcga-em-a2cs-06a-11d-a19k-05 NA's
1 502

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.7.bo
4d1a9ca1-d441-430f-b9cd-b20d632428f0 NA's
1 502

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.7.bi
118955632 NA's
1 502

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.7.ce
5 NA's
1 502

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.7.co
0.16 NA's
1 502

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.7.da

```


8 NA's
1 502

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.7.is
no NA's
1 502

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.7.mo
11 NA's
1 502

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.7.pl
12 NA's
1 502

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.7.pl
a19k NA's
1 502

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.7.pl
d NA's
1 502

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.7.qu
2.08 NA's
1 502

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.7.so
23 NA's
1 502

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.7.vo
13 NA's
1 502

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.7.ye
2011 NA's
1 502

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.8.bo
tcga-em-a2cs-06a-11d-a19p-02 NA's
1 502

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.8.bo
5f6ded47-5c5f-4154-b030-e08ecf2ed005 NA's
1 502

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.8.bi
118957856 NA's
1 502

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.8.ce

```

2 NA's
1 502

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.8.co
0.16 NA's
1 502

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.8.da
8 NA's
1 502

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.8.is
no NA's
1 502

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.8.mo
11 NA's
1 502

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.8.pl
1 NA's
1 502

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.8.pl
a19p NA's
1 502

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.8.pl
f NA's
1 502

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.8.qu
1.6 NA's
1 502

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.8.sc
23 NA's
1 502

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.8.vo
10 NA's
1 502

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.8.ye
2011 NA's
1 502

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.bios
Min. 1st Qu. Median Mean 3rd Qu. Max.
97486798 113420434 118966770 121196951 132180816 167823255

```

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.cent
 1 2
 398 105

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.conc
 Min. 1st Qu. Median Mean 3rd Qu. Max.
 0.1300 0.1500 0.1600 0.1574 0.1600 0.1800

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.day_
 Min. 1st Qu. Median Mean 3rd Qu. Max.
 1.00 12.50 19.00 18.85 29.00 30.00

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.is_d
 no
 503

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.mont
 Min. 1st Qu. Median Mean 3rd Qu. Max.
 1.000 5.000 8.000 7.557 11.000 12.000

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.plat
 Min. 1st Qu. Median Mean 3rd Qu. Max.
 1.000 7.000 8.000 7.682 9.000 12.000

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.quant
 Min. 1st Qu. Median Mean 3rd Qu. Max.
 0.940 1.010 1.070 1.222 1.140 2.340

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.sour
 23
 503

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.vol
 6.7 10 13
 398 46 59

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.year
 2011 2012 2014
 228 268 7

patient.samples.sample.2.portions.portion.analytes.analyte.amount:
 Min. 1st Qu. Median Mean 3rd Qu. Max.
 4.91 13.91 24.23 32.98 42.02 227.77

patient.samples.sample.2.portions.portion.analytes.analyte.analyte_type:
 dna
 503

patient.samples.sample.2.portions.portion.analytes.analyte.analyte_type_id:

d
503

patient.samples.sample.2.portions.portion.analytes.analyte.concentration:
 Min. 1st Qu. Median Mean 3rd Qu. Max.
 0.1300 0.1500 0.1600 0.1574 0.1600 0.1800

patient.samples.sample.2.portions.portion.analytes.analyte.dna.normal_tumor_gene:
 yes
 503

patient.samples.sample.2.portions.portion.analytes.analyte.dna.pcr_amplification:
 yes
 503

patient.samples.sample.2.portions.portion.analytes.analyte.gel_image_file:
<https://sharedoc.nchri.org/tcga-bcr/default.aspx>
 503

patient.samples.sample.2.portions.portion.analytes.analyte.is_derived_from_ffpe:
 no
 503

patient.samples.sample.2.portions.portion.analytes.analyte.protocols.protocol.execution:
 adna preparation type pre-extracted dna received by tss
 276 226
 NA's
 1

patient.samples.sample.2.portions.portion.analytes.analyte.spectrophotometer_method:
 picogreen uv spec
 414 89

patient.samples.sample.2.portions.portion.analytes.analyte.subportion_sequence:
 1 2 3 NA's
 65 8 2 428

patient.samples.sample.2.portions.portion.day_of_creation:
 Min. 1st Qu. Median Mean 3rd Qu. Max.
 1.00 10.00 16.00 16.52 23.00 31.00

patient.samples.sample.2.portions.portion.is_ffpe:
 no
 503

patient.samples.sample.2.portions.portion.month_of_creation:
 Min. 1st Qu. Median Mean 3rd Qu. Max.
 1.000 4.000 8.000 7.185 10.000 12.000

patient.samples.sample.2.portions.portion.portion_number:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.
1.000	1.000	1.000	2.598	1.000	22.000

patient.samples.sample.2.portions.portion.portion_sequence:

1	2	NA's
495	6	2

patient.samples.sample.2.portions.portion.slides.slide.is_derived_from_ffpe:

no NA's
74 429

patient.samples.sample.2.portions.portion.slides.slide.percent_lymphocyte_infiltration:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0.000	0.000	1.000	3.014	2.750	50.000	429

patient.samples.sample.2.portions.portion.slides.slide.percent_monocyte_infiltration:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0.000	0.000	1.000	2.108	2.000	53.000	429

patient.samples.sample.2.portions.portion.slides.slide.percent_necrosis:

0 NA's
74 429

patient.samples.sample.2.portions.portion.slides.slide.percent_neutrophil_infiltration:

0	1	2	NA's
72	1	1	429

patient.samples.sample.2.portions.portion.slides.slide.percent_normal_cells:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0.00	100.00	100.00	85.32	100.00	100.00	429

patient.samples.sample.2.portions.portion.slides.slide.percent_stromal_cells:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0.000	0.000	0.000	6.568	0.000	100.000	429

patient.samples.sample.2.portions.portion.slides.slide.percent_tumor_cells:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0.000	0.000	0.000	8.108	0.000	90.000	429

patient.samples.sample.2.portions.portion.slides.slide.percent_tumor_nuclei:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0.000	0.000	0.000	8.514	0.000	100.000	429

patient.samples.sample.2.portions.portion.slides.slide.section_location:

top NA's
74 429

patient.samples.sample.2.portions.portion.weight:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1.00	2.00	2.00	46.36	30.00	2000.00	230

patient.samples.sample.2.portions.portion.year_of_creation:

2010	2011	2012	2013	2014
26	222	248	6	1

patient.samples.sample.2.portions.shipment_portion.bcr_shipment_portion_uuid:

c73b5e9e-3e72-439d-bc78-ff7464ab61f2	f66c2890-ee95-41d8-b061-929ff212e0b3
1	1
NA's	
501	

patient.samples.sample.2.portions.shipment_portion.center_id:

20	NA's
2	501

patient.samples.sample.2.portions.shipment_portion.is_ffpe:

no	NA's
2	501

patient.samples.sample.2.portions.shipment_portion.plate_id:

a21m	NA's
2	501

patient.samples.sample.2.portions.shipment_portion.portion_number:

21	NA's
2	501

patient.samples.sample.2.portions.shipment_portion.portion_sequence:

2	NA's
2	501

patient.samples.sample.2.portions.shipment_portion.shipment_portion_bcr_aliquot_

tcga-em-a2cs-06a-21-a21m-20	tcga-em-a2p1-06a-21-a21m-20
1	1
NA's	
501	

patient.samples.sample.2.portions.shipment_portion.shipment_portion_day_of_shipm

7	NA's
2	501

patient.samples.sample.2.portions.shipment_portion.shipment_portion_month_of_shi

3	NA's
2	501

patient.samples.sample.2.portions.shipment_portion.shipment_portion_year_of_ship

2012	NA's
2	501

```

patient.samples.sample.2.sample_type:
blood derived normal      metastatic  solid tissue normal
                426                        8                69

```

```

patient.samples.sample.2.sample_type_id:
  6 10 11
  8 426 69

```

```

patient.samples.sample.2.vial_number:
  a  b  c
497  5  1

```

```

patient.samples.sample.3.days_to_collection:
  Min. 1st Qu.  Median    Mean 3rd Qu.  Max.  NA's
  31.0   99.5   136.0   191.2  204.5  1386.0  464

```

```

patient.samples.sample.3.initial_weight:
  Min. 1st Qu.  Median    Mean 3rd Qu.  Max.  NA's
  60.0  120.0   160.0   188.4  240.0   500.0  472

```

```

patient.samples.sample.3.is_ffpe:
no NA's
  39 464

```

```

patient.samples.sample.3.oct_embedded:
false true NA's
  18   21  464

```

```

patient.samples.sample.3.portions.portion.analytes.analyte.2.a260_a280_ratio:
  Min. 1st Qu.  Median    Mean 3rd Qu.  Max.  NA's
  1.720  1.790   1.830   1.821  1.840   1.910  482

```

```

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.2.
  Min. 1st Qu.  Median    Mean 3rd Qu.  Max.  NA's
108474817 108474907 113416599 114104393 117832637 122971823  482

```

```

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.2.
  7 13 NA's
 17  4 482

```

```

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.2.
0.15 0.16 0.17 0.18 NA's
  6  6  3  6 482

```

```

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.2.
  Min. 1st Qu.  Median    Mean 3rd Qu.  Max.  NA's
  8.00  27.00   30.00   27.24  30.00   31.00  482

```

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.2.
no NA's
21 482

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.2.
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
3.000 3.000 6.000 5.762 8.000 11.000 482

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.2.
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
1.000 4.000 4.000 4.619 5.000 9.000 482

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.2.
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
1.950 2.080 2.340 3.002 4.010 4.810 482

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.2.
23 NA's
21 482

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.2.
13 20 26.7 NA's
11 4 6 482

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.2.
2011 2012 NA's
16 5 482

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.3.
tcga-bj-a28w-11a-11r-a32y-07 NA's
1 502

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.3.
a378a703-e62d-4860-aec0-caa90f5af30f NA's
1 502

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.3.
150756965 NA's
1 502

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.3.
7 NA's
1 502

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.3.
0.18 NA's
1 502

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.3.
2 NA's

1 502

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.3.
no NA's

1 502

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.3.
10 NA's

1 502

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.3.
3 NA's

1 502

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.3.
a32y NA's

1 502

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.3.
b NA's

1 502

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.3.
2.34 NA's

1 502

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.3.
23 NA's

1 502

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.3.
13 NA's

1 502

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.3.
2013 NA's

1 502

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.bi
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
99013079 113391034 118956640 120453153 132159296 145633395 464

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.ce
7 8 13 NA's
4 18 17 464

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.co
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
0.1500 0.1600 0.1800 0.3192 0.5000 0.5000 464

```
patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.da
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.   NA's
  1.00  22.00   30.00   25.67  30.00   31.00   464
```

```
patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.is
no NA's
39 464
```

```
patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.mo
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.   NA's
  1.000  3.000   4.000   4.974  8.000  12.000   464
```

```
patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.pl
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.   NA's
  1.000  4.000   6.000   6.667  9.000  12.000   464
```

```
patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.qu
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.   NA's
  1.95   3.20   3.60   20.12  40.00  40.00   464
```

```
patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.so
23 NA's
39 464
```

```
patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.vo
13 20 80 NA's
4 17 18 464
```

```
patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.ye
2011 2012 2013 NA's
18 10 11 464
```

```
patient.samples.sample.3.portions.portion.analytes.analyte.2.amount:
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.   NA's
  7.17  10.04   13.09   14.96  16.62   33.90   482
```

```
patient.samples.sample.3.portions.portion.analytes.analyte.2.analyte_type:
repli-g (qiagen) dna                rna                NA's
                  18                  21                  464
```

```
patient.samples.sample.3.portions.portion.analytes.analyte.2.analyte_type_id:
  r    w NA's
21 18 464
```

```
patient.samples.sample.3.portions.portion.analytes.analyte.2.concentration:
0.15 0.16 0.17 0.18 NA's
  6   6   3   6 482
```

patient.samples.sample.3.portions.portion.analytes.analyte.2.dna.normal_tumor_ge
yes NA's
18 485

patient.samples.sample.3.portions.portion.analytes.analyte.2.dna.pcr_amplificati
yes NA's
18 485

patient.samples.sample.3.portions.portion.analytes.analyte.2.gel_image_file:
<https://sharedoc.nchri.org/tcga-bcr/default.aspx>
39
NA's
464

patient.samples.sample.3.portions.portion.analytes.analyte.2.is_derived_from_ffp
no NA's
39 464

patient.samples.sample.3.portions.portion.analytes.analyte.2.protocols.protocol.
mirvana (allprep dna) rna repli-g NA's
21 18 464

patient.samples.sample.3.portions.portion.analytes.analyte.2.rna.ratio_28s_18s:
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
1.200 1.300 1.300 1.371 1.400 1.900 482

patient.samples.sample.3.portions.portion.analytes.analyte.2.rna.rinvalue:
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
7.20 7.40 7.70 7.79 8.10 8.80 482

patient.samples.sample.3.portions.portion.analytes.analyte.2.spectrophotometer_m
uv spec NA's
21 482

patient.samples.sample.3.portions.portion.analytes.analyte.2.subportion_sequence
1 2 NA's
29 2 472

patient.samples.sample.3.portions.portion.analytes.analyte.3.aliqots.aliqot.bi
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
97490924 97490978 113416446 112366120 118956658 132272634 482

patient.samples.sample.3.portions.portion.analytes.analyte.3.aliqots.aliqot.ce
8 NA's
21 482

patient.samples.sample.3.portions.portion.analytes.analyte.3.aliqots.aliqot.co
0.5 NA's
21 482

patient.samples.sample.3.portions.portion.analytes.analyte.3.aliquots.aliquot.da
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 3.0 3.0 16.0 13.9 20.0 25.0 482

patient.samples.sample.3.portions.portion.analytes.analyte.3.aliquots.aliquot.is
 no NA's
 21 482

patient.samples.sample.3.portions.portion.analytes.analyte.3.aliquots.aliquot.mo
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 1.000 5.000 7.000 7.476 11.000 12.000 482

patient.samples.sample.3.portions.portion.analytes.analyte.3.aliquots.aliquot.pl
 6 9 11 12 NA's
 9 1 6 5 482

patient.samples.sample.3.portions.portion.analytes.analyte.3.aliquots.aliquot.qu
 40 NA's
 21 482

patient.samples.sample.3.portions.portion.analytes.analyte.3.aliquots.aliquot.so
 23 NA's
 21 482

patient.samples.sample.3.portions.portion.analytes.analyte.3.aliquots.aliquot.vo
 80 NA's
 21 482

patient.samples.sample.3.portions.portion.analytes.analyte.3.aliquots.aliquot.ye
 2011 2012 NA's
 15 6 482

patient.samples.sample.3.portions.portion.analytes.analyte.3.analyte_type:
 repli-g (qiagen) dna NA's
 21 482

patient.samples.sample.3.portions.portion.analytes.analyte.3.analyte_type_id:
 w NA's
 21 482

patient.samples.sample.3.portions.portion.analytes.analyte.3.dna.normal_tumor_ge
 yes NA's
 21 482

patient.samples.sample.3.portions.portion.analytes.analyte.3.dna.pcr_amplificati
 yes NA's
 21 482

patient.samples.sample.3.portions.portion.analytes.analyte.3.gel_image_file:
<https://sharedoc.nchri.org/tcga-bcr/default.aspx>

21

NA's

482

patient.samples.sample.3.portions.portion.analytes.analyte.3.is_derived_from_ffp

no NA's

21 482

patient.samples.sample.3.portions.portion.analytes.analyte.3.protocols.protocol.

repli-g NA's

21 482

patient.samples.sample.3.portions.portion.analytes.analyte.3.subportion_sequence

1 2 NA's

19 2 482

patient.samples.sample.3.portions.portion.analytes.analyte.a260_a280_ratio:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1.820	1.880	1.890	1.928	1.950	2.160	492

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.2.bi

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
108474245	113417365	117833147	120193881	132177282	132273012	464

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.2.ce

1 2 8 NA's

13 4 22 464

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.2.co

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0.0700	0.0800	0.0800	0.1136	0.1600	0.1800	464

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.2.da

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
8.00	18.00	27.00	23.85	30.00	31.00	464

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.2.is

no NA's

39 464

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.2.mo

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
2.000	4.500	8.000	7.359	10.000	12.000	464

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.2.pl

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
4.000	6.000	10.000	9.026	11.000	12.000	464

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.2.qu

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1.000	1.120	2.800	2.288	3.200	3.200	464

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.2.so

23 NA's
39 464

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.2.vo

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
6.67	7.00	40.00	25.85	40.00	40.00	464

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.2.ye

2011 2012 NA's
19 20 464

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.3.bi

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
108474533	112159056	113417209	114799963	118113955	132173120	479

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.3.ce

5 8 26 NA's
3 17 4 479

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.3.co

0.08 0.09 0.15 0.16 NA's
14 3 4 3 479

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.3.da

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
8.0	25.5	30.0	26.5	30.0	31.0	479

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.3.is

no NA's
24 479

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.3.mo

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
3.00	3.75	6.00	6.00	8.00	11.00	479

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.3.pl

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
2.00	6.00	10.00	8.75	11.00	12.00	479

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.3.qu

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
------	---------	--------	------	---------	------	------

1.500 2.047 3.200 2.824 3.200 3.600 479

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.3.so
 23 NA's
 24 479

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.3.vo
 10 13 40 NA's
 4 3 17 479

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.3.ye
 2011 2012 NA's
 18 6 479

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.4.bi
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 100491482 108432288 113415902 112892385 113421354 122971498 483

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.4.ce
 1 5 NA's
 1 19 483

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.4.co
 0.15 0.16 0.17 0.18 NA's
 8 9 1 2 483

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.4.da
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 8.0 25.5 30.0 26.8 30.0 31.0 483

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.4.is
 no NA's
 20 483

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.4.mo
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 3.0 3.0 6.0 5.8 8.0 11.0 483

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.4.pl
 6 7 11 12 NA's
 8 1 7 4 483

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.4.qu
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 1.010 2.047 2.080 2.665 4.010 4.810 483

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.4.so
 23 NA's

20 483

patient.samples.sample.3.portions.portion.analytes.analyte.aliqots.aliquot.4.vo

6.7 13 26.7 NA's

1 13 6 483

patient.samples.sample.3.portions.portion.analytes.analyte.aliqots.aliquot.4.ye

2011 2012 NA's

17 3 483

patient.samples.sample.3.portions.portion.analytes.analyte.aliqots.aliquot.5.bo

tcga-bj-a28t-11a-11d-a17v-08 tcga-e8-a2jq-11a-11d-a19i-01

1

1

tcga-em-a2cs-10a-01d-a19m-08

NA's

1

500

patient.samples.sample.3.portions.portion.analytes.analyte.aliqots.aliquot.5.bo

2e6f101a-4c11-4f60-8549-6f4eec0c4121 6a6fd1e9-9604-4d58-a7a7-3ce60b565972

1

1

f5a3d4dc-ea96-4225-bafe-2042ccb44ae1

NA's

1

500

patient.samples.sample.3.portions.portion.analytes.analyte.aliqots.aliquot.5.bi

113417147 118955630 118957834 NA's

1

1

1

500

patient.samples.sample.3.portions.portion.analytes.analyte.aliqots.aliquot.5.ce

1 8 NA's

1 2 500

patient.samples.sample.3.portions.portion.analytes.analyte.aliqots.aliquot.5.co

0.08 0.16 NA's

2 1 500

patient.samples.sample.3.portions.portion.analytes.analyte.aliqots.aliquot.5.da

8 31 NA's

2 1 500

patient.samples.sample.3.portions.portion.analytes.analyte.aliqots.aliquot.5.is

no NA's

3 500

patient.samples.sample.3.portions.portion.analytes.analyte.aliqots.aliquot.5.mo

8 11 NA's

1 2 500

patient.samples.sample.3.portions.portion.analytes.analyte.aliqots.aliquot.5.pl

12 NA's

3 500

patient.samples.sample.3.portions.portion.analytes.analyte.aliqots.aliquot.5.pl

a17v a19i a19m NA's


```

1      1      1      500

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.5.pl
b      d NA's
2      1      500

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.5.qu
1.07   3.2 NA's
1      2      500

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.5.sc
23 NA's
3      500

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.5.vo
6.7    40 NA's
1      2      500

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.5.ye
2011 NA's
3      500

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.6.bo
tcga-e8-a2jq-11a-11d-a19j-08 tcga-em-a2cs-10a-01d-a19p-02
1                                     1
NA's
501

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.6.bo
1e2e5415-3eb0-4279-a6cd-aac232c67b8a ec6a8027-e14a-4592-bf7d-8f7e1232fe69
1                                     1
NA's
501

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.6.bi
118955654 118957740      NA's
1          1          501

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.6.ce
2      8 NA's
1      1      501

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.6.co
0.08 0.15 NA's
1      1      501

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.6.da
8 NA's
2      501

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.6.is
no NA's

```

2 501
 patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.6.mo
 11 NA's
 2 501
 patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.6.pl
 1 12 NA's
 1 1 501
 patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.6.pl
 a19j a19p NA's
 1 1 501
 patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.6.pl
 b NA's
 2 501
 patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.6.qu
 1.5 3.2 NA's
 1 1 501
 patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.6.so
 23 NA's
 2 501
 patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.6.vo
 10 40 NA's
 1 1 501
 patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.6.ye
 2011 NA's
 2 501
 patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.7.bo
 tcga-e8-a2jq-11a-11d-a19k-05 NA's
 1 502
 patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.7.bo
 a01e6e2a-1051-45d0-b5d1-17b9b9e687d0 NA's
 1 502
 patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.7.bi
 118957831 NA's
 1 502
 patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.7.ce
 5 NA's
 1 502
 patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.7.co
 0.16 NA's

1 502

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.7.da
8 NA's
1 502

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.7.is
no NA's
1 502

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.7.mo
11 NA's
1 502

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.7.pl
12 NA's
1 502

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.7.pl
a19k NA's
1 502

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.7.pl
b NA's
1 502

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.7.qu
2.08 NA's
1 502

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.7.so
23 NA's
1 502

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.7.vo
13 NA's
1 502

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.7.ye
2011 NA's
1 502

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.8.bo
tcga-e8-a2jq-11a-11d-a19p-02 NA's
1 502

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.8.bo
362a65b7-3be1-4b5e-95b0-95895c6e683a NA's
1 502

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.8.bi
118957880 NA's

1 502

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.8.ce

2 NA's

1 502

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.8.co

0.16 NA's

1 502

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.8.da

8 NA's

1 502

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.8.is

no NA's

1 502

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.8.mo

11 NA's

1 502

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.8.pl

1 NA's

1 502

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.8.pl

a19p NA's

1 502

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.8.pl

d NA's

1 502

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.8.qu

1.6 NA's

1 502

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.8.so

23 NA's

1 502

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.8.vo

10 NA's

1 502

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.8.ye

2011 NA's

1 502

```
patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.bios
  Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
108474437 113417273 117833051 120198781 132255780 132273941 464
```

```
patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.cent
  1 2 NA's
26 13 464
```

```
patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.conc
  Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
0.1300 0.1500 0.1600 0.1579 0.1600 0.1800 464
```

```
patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.day_
  Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
1.00 17.00 21.00 20.77 29.50 30.00 464
```

```
patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.is_d
no NA's
39 464
```

```
patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.mont
  Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
2.000 4.500 9.000 7.462 10.000 12.000 464
```

```
patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.plat
  Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
4.000 6.000 10.000 9.026 11.000 12.000 464
```

```
patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.quant
  Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
0.870 1.070 1.070 1.307 1.600 2.340 464
```

```
patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.sour
23 NA's
39 464
```

```
patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.volu
6.7 10 13 NA's
26 7 6 464
```

```
patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.year
2011 2012 NA's
19 20 464
```

```
patient.samples.sample.3.portions.portion.analytes.analyte.amount:
  Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
8.74 22.22 31.44 40.34 41.67 153.28 464
```

```
patient.samples.sample.3.portions.portion.analytes.analyte.analyte_type:
dna NA's
```

39 464

patient.samples.sample.3.portions.portion.analytes.analyte.analyte_type_id:
 d NA's
 39 464

patient.samples.sample.3.portions.portion.analytes.analyte.concentration:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 0.1300 0.1500 0.1600 0.1579 0.1600 0.1800 464

patient.samples.sample.3.portions.portion.analytes.analyte.dna.normal_tumor_gene:
 yes NA's
 39 464

patient.samples.sample.3.portions.portion.analytes.analyte.dna.pcr_amplification:
 yes NA's
 39 464

patient.samples.sample.3.portions.portion.analytes.analyte.gel_image_file:
<https://sharedoc.nchri.org/tcga-bcr/default.aspx>
 39
 NA's
 464

patient.samples.sample.3.portions.portion.analytes.analyte.is_derived_from_ffpe:
 no NA's
 39 464

patient.samples.sample.3.portions.portion.analytes.analyte.protocols.protocol.extra:
 adna preparation type pre-extracted dna received by tss
 38 1
 NA's
 464

patient.samples.sample.3.portions.portion.analytes.analyte.spectrophotometer_method:
 picogreen uv spec NA's
 28 11 464

patient.samples.sample.3.portions.portion.analytes.analyte.subportion_sequence:
 1 2 NA's
 29 2 472

patient.samples.sample.3.portions.portion.day_of_creation:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 1.00 7.00 16.00 15.21 22.50 29.00 464

patient.samples.sample.3.portions.portion.is_ffpe:
 no NA's

39 464

patient.samples.sample.3.portions.portion.month_of_creation:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1.000	2.500	6.000	6.128	9.000	11.000	464

patient.samples.sample.3.portions.portion.portion_number:

1	11	12	21	NA's
8	27	2	2	464

patient.samples.sample.3.portions.portion.portion_sequence:

1	2	NA's
37	2	464

patient.samples.sample.3.portions.portion.slides.slide.is_derived_from_ffpe:

no	NA's
31	472

patient.samples.sample.3.portions.portion.slides.slide.percent_lymphocyte_infiltration:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0.000	0.000	2.000	6.129	7.500	40.000	472

patient.samples.sample.3.portions.portion.slides.slide.percent_monocyte_infiltration:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0.0000	0.0000	0.0000	0.7742	1.5000	4.0000	472

patient.samples.sample.3.portions.portion.slides.slide.percent_necrosis:

0	NA's
31	472

patient.samples.sample.3.portions.portion.slides.slide.percent_neutrophil_infiltration:

0	1	NA's
28	3	472

patient.samples.sample.3.portions.portion.slides.slide.percent_normal_cells:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
60.00	90.00	100.00	91.45	100.00	100.00	472

patient.samples.sample.3.portions.portion.slides.slide.percent_stromal_cells:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0.000	0.000	0.000	8.548	10.000	40.000	472

patient.samples.sample.3.portions.portion.slides.slide.percent_tumor_cells:

0	NA's
31	472

patient.samples.sample.3.portions.portion.slides.slide.percent_tumor_nuclei:

0	NA's
31	472

```

patient.samples.sample.3.portions.portion.slides.slide.section_location:
top NA's
31 472

patient.samples.sample.3.portions.portion.weight:
2 20 30 500 NA's
5 2 29 1 466

patient.samples.sample.3.portions.portion.year_of_creation:
2011 2012 NA's
19 20 464

patient.samples.sample.3.sample_type:
blood derived normal solid tissue normal NA's
8 31 464

patient.samples.sample.3.sample_type_id:
10 11 NA's
8 31 464

patient.samples.sample.3.vial_number:
a NA's
39 464

patient.samples.sample.days_to_collection:
Min. 1st Qu. Median Mean 3rd Qu. Max.
-138.0 126.0 241.0 797.5 1098.5 6870.0

patient.samples.sample.diagnostic_slides.ffpe_slide_uuid.3:
0628a966-c9de-4bec-989c-3ad13a407843 NA's
1 502

patient.samples.sample.initial_weight:
Min. 1st Qu. Median Mean 3rd Qu. Max.
7.0 80.0 150.0 188.9 240.0 1120.0

patient.samples.sample.is_ffpe:
no
503

patient.samples.sample.oct_embedded:
false true
200 303

patient.samples.sample.portions.portion.analytes.analyte.2.a260_a280_ratio:

```


Min.	1st Qu.	Median	Mean	3rd Qu.	Max.
0.850	1.790	1.830	2.199	1.860	187.500

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.2.bi

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.
97490570	113421376	118956576	121167596	132181010	167787830

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.2.ce

7	13
325	178

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.2.co

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.
0.1300	0.1600	0.1600	0.1642	0.1700	0.1800

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.2.da

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.
3.00	13.00	19.00	20.12	29.00	31.00

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.2.is
no
503

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.2.mo

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.
1.000	5.000	8.000	7.509	11.000	12.000

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.2.pl

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.
1.000	2.000	4.000	4.316	6.000	10.000

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.2.qu

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.
1.950	2.080	2.340	2.696	3.200	4.810

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.2.so
23
503

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.2.vo

13	20	26.7
290	178	35

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.2.ye
2011 2012 2014
228 268 7

```

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.3.bi
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.    NA's
132268528 150757013 160356782 155877152 160357090 160357144    486

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.3.ce
  2    7 NA's
12    5 486

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.3.co
0.15 0.16 0.17 0.18 NA's
  3    5    6    3 486

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.3.da
  2  18  30 NA's
  4   3  10 486

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.3.is
no NA's
17 486

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.3.mo
  7  10  12 NA's
  1  13   3 486

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.3.pl
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.    NA's
1.000  1.000  1.000  2.235  4.000  6.000    486

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.3.pl
a239 a32y a345 a35p NA's
  1   4   9   3 486

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.3.qu
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.    NA's
0.3000 0.3200 0.3400 0.8676 1.9500 2.3400    486

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.3.so
23 NA's
17 486

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.3.vo
  2  13 NA's
12   5 486

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.3.ye
2012 2013 NA's
  1  16 486

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.4.bo
tcga-em-a2ck-01a-11r-a32y-07 tcga-et-a2n1-01a-11r-a466-07

```

1
NA's
501

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.4.bo
651085af-0c4a-4351-be94-2867815b4810 aadcd317-8fb2-4968-9682-ac4625f3a302
1 1
NA's
501

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.4.bi
150756987 167812990 NA's
1 1 501

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.4.ce
7 NA's
2 501

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.4.co
0.16 NA's
2 501

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.4.da
2 9 NA's
1 1 501

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.4.is
no NA's
2 501

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.4.mo
10 12 NA's
1 1 501

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.4.pl
2 4 NA's
1 1 501

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.4.pl
a32y a466 NA's
1 1 501

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.4.pl
a f NA's
1 1 501

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.4.qu
1.06 2.08 NA's
1 1 501

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.4.so
23 NA's

2 501

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.4.vo

6.6 13 NA's

1 1 501

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.4.ye

2013 2014 NA's

1 1 501

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.bios

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.
97490550	113423112	118968824	121570509	132180366	167787734

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.cent

7 13

178 325

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.conc

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.
0.1300	0.1600	0.1600	0.1642	0.1700	0.1800

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.day_

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.
3.00	13.00	19.00	20.12	29.00	31.00

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.is_d

no

503

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.mont

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.
1.000	5.000	8.000	7.509	11.000	12.000

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.plat

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.
1.000	2.000	4.000	4.316	6.000	10.000

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.quan

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.
1.950	2.210	3.200	2.981	3.400	4.540

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.sour

23

503

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.vol

13 20 26.7

154 325 24

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.year
 2011 2012 2014
 228 268 7

patient.samples.sample.portions.portion.analytes.analyte.2.amount:
 Min. 1st Qu. Median Mean 3rd Qu. Max.
 5.43 24.04 35.72 37.42 49.37 86.98

patient.samples.sample.portions.portion.analytes.analyte.2.analyte_type:
 rna
 503

patient.samples.sample.portions.portion.analytes.analyte.2.analyte_type_id:
 r
 503

patient.samples.sample.portions.portion.analytes.analyte.2.concentration:
 Min. 1st Qu. Median Mean 3rd Qu. Max.
 0.1300 0.1600 0.1600 0.1642 0.1700 0.1800

patient.samples.sample.portions.portion.analytes.analyte.2.gel_image_file:
<https://sharedoc.nchri.org/tcga-bcr/default.aspx>
 503

patient.samples.sample.portions.portion.analytes.analyte.2.is_derived_from_ffpe:
 no
 503

patient.samples.sample.portions.portion.analytes.analyte.2.protocols.protocol.ex
 mirvana (allprep dna) rna
 503

patient.samples.sample.portions.portion.analytes.analyte.2.rna.ratio_28s_18s:
 Min. 1st Qu. Median Mean 3rd Qu. Max.
 0.000 1.300 1.470 1.523 1.700 13.000

patient.samples.sample.portions.portion.analytes.analyte.2.rna.rinvalue:
 Min. 1st Qu. Median Mean 3rd Qu. Max.
 7.00 7.60 8.10 8.07 8.50 9.40

patient.samples.sample.portions.portion.analytes.analyte.2.spectrophotometer_met
 uv spec
 503

patient.samples.sample.portions.portion.analytes.analyte.2.subportion_sequence:
 1 2
 469 34

```

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.bios
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.    NA's
97490922 113421106 122848698 124858940 132272948 175154487      1

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.cent
  8 NA's
502    1

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.conc
  0.5 NA's
502    1

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.day_
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.    NA's
  1.00  15.00  20.00  17.59  25.00  30.00      1

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.is_d
  no NA's
502    1

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.mont
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.    NA's
  1.000  2.000  5.000  5.369  9.000  12.000      1

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.plat
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.    NA's
  1.00  2.00  3.00  3.97  5.00  11.00      1

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.quant
  40 NA's
502    1

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.sour
  23 NA's
502    1

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.vol
  80 NA's
502    1

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.year
2011 2012 2013 2014 NA's
  130 277  88   7   1

patient.samples.sample.portions.portion.analytes.analyte.3.analyte_type:
repli-g (qiagen) dna          NA's
                  502          1

```

patient.samples.sample.portions.portion.analytes.analyte.3.analyte_type_id:
 w NA's
 502 1

patient.samples.sample.portions.portion.analytes.analyte.3.dna.normal_tumor_genom
 yes NA's
 502 1

patient.samples.sample.portions.portion.analytes.analyte.3.dna.pcr_amplification
 yes NA's
 502 1

patient.samples.sample.portions.portion.analytes.analyte.3.gel_image_file:
<https://sharedoc.nchri.org/tcga-bcr/default.aspx>
 502
 NA's
 1

patient.samples.sample.portions.portion.analytes.analyte.3.is_derived_from_ffpe:
 no NA's
 502 1

patient.samples.sample.portions.portion.analytes.analyte.3.protocols.protocol.ex
 repli-g NA's
 502 1

patient.samples.sample.portions.portion.analytes.analyte.3.subportion_sequence:
 1 2 NA's
 468 34 1

patient.samples.sample.portions.portion.analytes.analyte.a260_a280_ratio:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 1.610 1.910 1.950 1.958 2.000 2.270 405

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.2.bios
 Min. 1st Qu. Median Mean 3rd Qu. Max.
 97486216 113421444 118966468 121165147 132179920 167823349

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.2.cent
 1 2 8
 81 26 396

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.2.conc
 Min. 1st Qu. Median Mean 3rd Qu. Max.
 0.07000 0.08000 0.08000 0.09648 0.09000 0.18000

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.2.day_
 Min. 1st Qu. Median Mean 3rd Qu. Max.

3.00 13.00 19.00 20.16 29.00 31.00

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.2.is_d
no
503

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.2.mont
Min. 1st Qu. Median Mean 3rd Qu. Max.
1.000 5.000 8.000 7.509 11.000 12.000

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.2.plat
Min. 1st Qu. Median Mean 3rd Qu. Max.
1.000 2.000 3.000 3.966 5.000 11.000

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.2.quant
Min. 1st Qu. Median Mean 3rd Qu. Max.
1.000 2.080 3.200 2.673 3.200 3.600

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.2.sour
23
503

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.2.vol
Min. 1st Qu. Median Mean 3rd Qu. Max.
6.67 26.00 40.00 32.43 40.00 40.00

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.2.year
2011 2012 2014
228 268 7

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.3.bios
Min. 1st Qu. Median Mean 3rd Qu. Max.
97486984 113421484 118968427 121171050 132180776 167823351

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.3.cent
1 5 8 26
24 347 107 25

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.3.conc
Min. 1st Qu. Median Mean 3rd Qu. Max.
0.0700 0.1400 0.1500 0.1404 0.1600 0.1800

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.3.day_
Min. 1st Qu. Median Mean 3rd Qu. Max.
3.00 13.00 19.00 20.12 29.00 31.00

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.3.is_d
no

503

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.3.mont

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.
1.000	5.000	8.000	7.509	11.000	12.000

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.3.plat

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.
1.000	2.000	4.000	4.217	6.000	11.000

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.3.quant

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.
0.870	1.950	2.080	2.235	2.210	3.600

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.3.sour

23

503

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.3.vol

6.67	10	13	40
24	25	347	107

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.3.year

2011	2012	2014
228	268	7

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.4.bios

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
99039430	113390714	113421404	131348446	164054166	164054555	246

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.4.cent

5	8	26	NA's
156	100	1	246

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.4.conc

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0.0700	0.0800	0.1500	0.1284	0.1600	0.1800	246

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.4.day_

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
3.00	21.00	26.00	23.38	27.00	31.00	246

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.4.is_d

no NA's
257 246

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.4.mont

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
------	---------	--------	------	---------	------	------

1.000	3.000	3.000	4.389	6.000	9.000	246
-------	-------	-------	-------	-------	-------	-----

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.4.plat

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1.000	2.000	4.000	4.424	6.000	12.000	246

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.4.quant

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0.94	1.07	1.95	2.19	2.21	4.81	246

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.4.sour

23 NA's

257 246

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.4.vol

10	13	13.4	26.7	NA's
1	97	100	59	246

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.4.year

2011	2012	2014	NA's
131	26	100	246

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.5.bios

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
113417130	164054183	164054520	161234920	164054559	164054591	374

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.5.cent

1	8	NA's
2	127	374

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.5.conc

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0.0700	0.0800	0.0800	0.0822	0.0800	0.1700	374

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.5.day_

8	21	26	31	NA's
2	2	120	5	374

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.5.is_d

no NA's

129 374

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.5.mont

3	8	10	11	NA's
120	5	2	2	374

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.5.plat

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
------	---------	--------	------	---------	------	------

1.00 2.00 5.00 5.38 8.00 12.00 374

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.5.quant

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0.940	1.070	1.070	1.171	1.070	3.600	374

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.5.sour

23 NA's
129 374

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.5.vol

6.7 13.4 40 NA's
2 122 5 374

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.5.year

2011 2013 2014 NA's
7 2 120 374

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.6.bios

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
118955648	127689906	158971737	147953706	164054431	167811821	497

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.6.cent

8 9 NA's
5 1 497

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.6.conc

0.08 0.09 NA's
4 2 497

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.6.day_

8 21 26 NA's
2 2 2 497

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.6.is_d

no NA's
6 497

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.6.mont

1 3 10 11 NA's
1 2 1 2 497

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.6.plat

1 6 12 NA's
3 1 2 497

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.6.plat

a19j a33c a37v a46a NA's

2 1 2 1 497

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.6.quant

1.07 1.21 3.2 NA's

2 2 2 497

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.6.sour

23 NA's

6 497

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.6.vol

13.4 40 NA's

4 2 497

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.6.year

2011 2013 2014 2015 NA's

2 1 2 1 497

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.7.bcr_

tcga-e8-a2jq-01a-11d-a19k-05 tcga-em-a2cs-01a-11d-a19k-05

1

1

tcga-fe-a22z-01a-11d-a35r-08

NA's

1

500

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.7.bcr_

06471ec4-e769-48fc-bb41-963c7b9a50d3 2e5cc596-533a-43a1-95df-343289ded648

1

1

8845fce6-e2b4-4929-942b-57096b0bbafc

NA's

1

500

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.7.bios

118955647 118956954 160355813 NA's

1

1

1

500

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.7.cent

5 8 NA's

2 1 500

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.7.conc

0.08 0.15 0.17 NA's

1 1 1 500

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.7.day_

6 8 NA's

1 2 500

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.7.is_d

no NA's

3 500

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.7.mont

1 11 NA's
1 2 500

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.7.plat

1 12 NA's
1 2 500

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.7.plat

a19k a35r NA's
2 1 500

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.7.plat

a c NA's
2 1 500

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.7.quant

1.07 1.95 2.21 NA's
1 1 1 500

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.7.sour

23 NA's
3 500

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.7.vol

13 13.4 NA's
2 1 500

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.7.year

2011 2014 NA's
2 1 500

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.8.bcr_

tcga-e8-a2jq-01a-11d-a19p-02 tcga-em-a2cs-01a-11d-a19p-02
1 1
NA's
501

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.8.bcr_

9abc3c93-71e6-463a-aab3-da03676907e1 eaffe7a0-3b58-4cce-a745-8ff8e05dcfd3
1 1
NA's
501

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.8.bios

118957863 118957887 NA's
1 1 501

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.8.cent

2 NA's
2 501

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.8.conc

0.15 0.17 NA's
1 1 501

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.8.day_8 NA's
2 501

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.8.is_d no NA's
2 501

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.8.mont 11 NA's
2 501

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.8.plat 1 NA's
2 501

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.8.plat a19p NA's
2 501

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.8.plat c e NA's
1 1 501

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.8.quant 1.5 1.7 NA's
1 1 501

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.8.sour 23 NA's
2 501

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.8.vol 10 NA's
2 501

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.8.year 2011 NA's
2 501

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.biospe
Min. 1st Qu. Median Mean 3rd Qu. Max.
97483774 113420436 118966761 121168775 132181298 167823447

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.center 1 2
398 105

```
patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.concen
  Min. 1st Qu.  Median      Mean 3rd Qu.    Max.
0.1300 0.1500  0.1600  0.1577 0.1600  0.1800
```

```
patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.day_of
  Min. 1st Qu.  Median      Mean 3rd Qu.    Max.
 1.00  12.50   19.00   18.85  29.00   30.00
```

```
patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.is_den
no
503
```

```
patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.month_
  Min. 1st Qu.  Median      Mean 3rd Qu.    Max.
1.000   5.000   8.000   7.553 11.000  12.000
```

```
patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.plate_
  Min. 1st Qu.  Median      Mean 3rd Qu.    Max.
1.000   2.000   3.000   3.966  5.000  11.000
```

```
patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.quantit
  Min. 1st Qu.  Median      Mean 3rd Qu.    Max.
0.940   1.010   1.070   1.226  1.140  2.340
```

```
patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.source
23
503
```

```
patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.volume
6.7 10 13
398 46 59
```

```
patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.year_o
2011 2012 2014
228 268 7
```

```
patient.samples.sample.portions.portion.analytes.analyte.amount:
  Min. 1st Qu.  Median      Mean 3rd Qu.    Max.
 7.25  28.34   38.84   42.75  53.12  110.16
```

```
patient.samples.sample.portions.portion.analytes.analyte.analyte_type:
dna
503
```

```
patient.samples.sample.portions.portion.analytes.analyte.analyte_type_id:
d
503
```

patient.samples.sample.portions.portion.analytes.analyte.concentration:
 Min. 1st Qu. Median Mean 3rd Qu. Max.
 0.1300 0.1500 0.1600 0.1577 0.1600 0.1800

patient.samples.sample.portions.portion.analytes.analyte.dna.normal_tumor_genoty
 yes
 503

patient.samples.sample.portions.portion.analytes.analyte.dna.pcr_amplification_s
 yes
 503

patient.samples.sample.portions.portion.analytes.analyte.gel_image_file:
<https://sharedoc.nchri.org/tcga-bcr/default.aspx>
 503

patient.samples.sample.portions.portion.analytes.analyte.is_derived_from_ffpe:
 no
 503

patient.samples.sample.portions.portion.analytes.analyte.protocols.protocol.expe
 adna preparation type
 503

patient.samples.sample.portions.portion.analytes.analyte.spectrophotometer_metho
 picogreen uv spec
 405 98

patient.samples.sample.portions.portion.analytes.analyte.subportion_sequence:
 1 2
 469 34

patient.samples.sample.portions.portion.day_of_creation:
 Min. 1st Qu. Median Mean 3rd Qu. Max.
 1.00 9.00 17.00 16.39 24.00 31.00

patient.samples.sample.portions.portion.is_ffpe:
 no
 503

patient.samples.sample.portions.portion.month_of_creation:
 Min. 1st Qu. Median Mean 3rd Qu. Max.
 1.000 4.000 8.000 7.207 10.000 12.000

patient.samples.sample.portions.portion.portion_number:
 11 12 21 22 31
 438 31 29 3 2

patient.samples.sample.portions.portion.portion_sequence:

1	2	3	NA's
468	32	2	1

patient.samples.sample.portions.portion.slides.slide.2.is_derived_from_ffpe:
no NA's
27 476

patient.samples.sample.portions.portion.slides.slide.2.percent_lymphocyte_infiltration:
0 1 2 10 NA's
19 4 2 2 476

patient.samples.sample.portions.portion.slides.slide.2.percent_monocyte_infiltration:
0 1 NA's
24 3 476

patient.samples.sample.portions.portion.slides.slide.2.percent_necrosis:
0 NA's
27 476

patient.samples.sample.portions.portion.slides.slide.2.percent_neutrophil_infiltration:
0 NA's
27 476

patient.samples.sample.portions.portion.slides.slide.2.percent_normal_cells:
0 80 NA's
26 1 476

patient.samples.sample.portions.portion.slides.slide.2.percent_stromal_cells:
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
0.000 0.000 5.000 9.704 17.500 35.000 476

patient.samples.sample.portions.portion.slides.slide.2.percent_tumor_cells:
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
0.00 82.50 95.00 87.33 100.00 100.00 476

patient.samples.sample.portions.portion.slides.slide.2.percent_tumor_nuclei:
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
0.00 85.00 95.00 86.59 96.00 99.00 476

patient.samples.sample.portions.portion.slides.slide.2.section_location:
top NA's
27 476

patient.samples.sample.portions.portion.slides.slide.is_derived_from_ffpe:
no NA's
502 1

patient.samples.sample.portions.portion.slides.slide.percent_lymphocyte_infiltra
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 0.000 0.000 0.000 1.568 2.000 40.000 1

patient.samples.sample.portions.portion.slides.slide.percent_monocyte_infiltrati
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 0.0000 0.0000 0.0000 0.5219 1.0000 20.0000 1

patient.samples.sample.portions.portion.slides.slide.percent_necrosis:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 0.00000 0.00000 0.00000 0.05378 0.00000 10.00000 1

patient.samples.sample.portions.portion.slides.slide.percent_neutrophil_infiltra
 0 1 2 6 NA's
 473 24 4 1 1

patient.samples.sample.portions.portion.slides.slide.percent_normal_cells:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 0.000 0.000 0.000 2.102 0.000 65.000 1

patient.samples.sample.portions.portion.slides.slide.percent_stromal_cells:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 0.00 5.00 10.00 15.09 20.00 90.00 1

patient.samples.sample.portions.portion.slides.slide.percent_tumor_cells:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 0.00 75.00 85.00 82.76 95.00 100.00 1

patient.samples.sample.portions.portion.slides.slide.percent_tumor_nuclei:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 0.00 80.00 90.00 86.89 95.00 100.00 1

patient.samples.sample.portions.portion.slides.slide.section_location:
 bottom top NA's
 27 475 1

patient.samples.sample.portions.portion.weight:
 Min. 1st Qu. Median Mean 3rd Qu. Max.
 7.00 30.00 30.00 28.95 30.00 30.00

patient.samples.sample.portions.portion.year_of_creation:
 2010 2011 2012 2013
 25 229 242 7

patient.samples.sample.portions.shipment_portion.2.bcr_shipment_portion_uuid:
 3c8418c9-533a-4b89-b9c9-f7c25367feee c7308eff-0b82-4336-a809-9fdc08c4e06f
 1 1
 NA's
 501

patient.samples.sample.portions.shipment_portion.2.center_id:

```

20 NA's
2 501

patient.samples.sample.portions.shipment_portion.2.is_ffpe:
no NA's
2 501

patient.samples.sample.portions.shipment_portion.2.plate_id:
a301 NA's
2 501

patient.samples.sample.portions.shipment_portion.2.portion_number:
22 NA's
2 501

patient.samples.sample.portions.shipment_portion.2.portion_sequence:
2 NA's
2 501

patient.samples.sample.portions.shipment_portion.2.shipment_portion_bcr_aliquot_
tcga-ce-a3md-01a-22-a301-20 tcga-fy-a3on-01a-22-a301-20
1 1
NA's
501

patient.samples.sample.portions.shipment_portion.2.shipment_portion_day_of_shipm
21 NA's
2 501

patient.samples.sample.portions.shipment_portion.2.shipment_portion_month_of_shi
5 NA's
2 501

patient.samples.sample.portions.shipment_portion.2.shipment_portion_year_of_ship
2013 NA's
2 501

patient.samples.sample.portions.shipment_portion.center_id:
20 NA's
373 130

patient.samples.sample.portions.shipment_portion.is_ffpe:
no NA's
373 130

patient.samples.sample.portions.shipment_portion.portion_number:
11 13 21 41 NA's
18 1 343 11 130

patient.samples.sample.portions.shipment_portion.portion_sequence:

```

```

1      2      4 NA's
19 342  11  131

```

```

patient.samples.sample.portions.shipment_portion.shipment_portion_day_of_shipmen
4      7  21 NA's
5 222 146 130

```

```

patient.samples.sample.portions.shipment_portion.shipment_portion_month_of_shipme
3      5      6 NA's
222 146      5 130

```

```

patient.samples.sample.portions.shipment_portion.shipment_portion_year_of_shipme
2012 2013 2014 NA's
222 146      5 130

```

```

patient.samples.sample.sample_type:
primary tumor
          503

```

```

patient.samples.sample.sample_type_id:
1
503

```

```

patient.samples.sample.vial_number:
a      b
498    5

```

THYM

Thymoma

Description

A document describing the TCGA cancer code

Details

```

> experiments( THYM )
ExperimentList class object of length 9:
 [1] CNASNP-20160128: RaggedExperiment with 105646 rows and 248 columns
 [2] CNVSNP-20160128: RaggedExperiment with 15571 rows and 248 columns
 [3] GISTIC_AllByGene-20160128: SummarizedExperiment with 24776 rows and 123 col
 [4] GISTIC_ThresholdedByGene-20160128: SummarizedExperiment with 24776 rows and
 [5] Methylation-20160128: SummarizedExperiment with 485577 rows and 126 columns
 [6] miRNASeqGene-20160128: SummarizedExperiment with 1046 rows and 126 columns
 [7] Mutation-20160128: RaggedExperiment with 3064 rows and 123 columns
 [8] RNASeq2GeneNorm-20160128: SummarizedExperiment with 20501 rows and 122 colu
 [9] RPPAArray-20160128: SummarizedExperiment with 192 rows and 90 columns

> rownames( THYM )

```

```

CharacterList of length 9
[["CNASNP-20160128"]] character(0)
[["CNVSNP-20160128"]] character(0)
[["GISTIC_AllByGene-20160128"]] ACAP3 ACTRT2 ... WASIR1|ENSG00000185203.7
[["GISTIC_ThresholdedByGene-20160128"]] ACAP3 ... WASIR1|ENSG00000185203.7
[["Methylation-20160128"]] cg00000029 cg00000108 ... rs966367 rs9839873
[["miRNASeqGene-20160128"]] hsa-let-7a-1 hsa-let-7a-2 ... hsa-mir-99b
[["Mutation-20160128"]] character(0)
[["RNASeq2GeneNorm-20160128"]] A1BG A1CF A2BP1 A2LD1 ... ZZZ3 psiTPTE22 tAKR
[["RPPAArray-20160128"]] 14-3-3_beta 14-3-3_epsilon ... p90RSK_pT359_S363

```

```
> colnames( THYM )
```

```

CharacterList of length 9
[["CNASNP-20160128"]] TCGA-3G-AB00-01A-22D-A422-01 ...
[["CNVSNP-20160128"]] TCGA-3G-AB00-01A-22D-A422-01 ...
[["GISTIC_AllByGene-20160128"]] TCGA-3G-AB00-01A-22D-A422-01 ...
[["GISTIC_ThresholdedByGene-20160128"]] TCGA-3G-AB00-01A-22D-A422-01 ...
[["Methylation-20160128"]] TCGA-3G-AB00-01A-22D-A424-05 ...
[["miRNASeqGene-20160128"]] TCGA-3G-AB00-01A-22R-A42W-13 ...
[["Mutation-20160128"]] TCGA-3G-AB00-01A-22D-A423-09 ...
[["RNASeq2GeneNorm-20160128"]] TCGA-3G-AB00-01A-22R-A42C-07 ...
[["RPPAArray-20160128"]] TCGA-3G-AB00-01A-11-A45R-20 ...

```

```
Sizes of each ExperimentList element:
```

		assay	size.Mb
1	CNASNP-20160128		2.9 Mb
2	CNVSNP-20160128		0.5 Mb
3	GISTIC_AllByGene-20160128		4.3 Mb
4	GISTIC_ThresholdedByGene-20160128		4.3 Mb
5	Methylation-20160128		67.4 Mb
6	miRNASeqGene-20160128		0.1 Mb
7	Mutation-20160128		3 Mb
8	RNASeq2GeneNorm-20160128		1.1 Mb
9	RPPAArray-20160128		0 Mb

```
-----
Overall survival time-to-event summary (in years):
-----
```

```
Call: survfit(formula = survival::Surv(colDat$days_to_death/365, colDat$vital_status - 1)
```

```
115 observations deleted due to missingness
```

n	events	median	0.95LCL	0.95UCL
9.00	9.00	2.34	1.04	NA

```
-----
Available sample meta-data:
-----
```

years_to_birth:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
17.00	49.50	60.00	58.15	68.50	84.00	1

vital_status:

0	1
115	9

days_to_death:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
124	379	853	1423	2488	3488	115

days_to_last_followup:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
14.0	725.2	1267.5	1486.3	1947.0	4575.0	10

tumor_tissue_site:

anterior mediastinum	thymus
27	97

gender:

female	male
60	64

date_of_initial_pathologic_diagnosis:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
2000	2008	2010	2010	2012	2013	1

radiation_therapy:

no	yes
81	43

race:

asian	black	or african american	white
13		6	103
NA's			
2			

ethnicity:

hispanic or latino	not hispanic or latino	NA's
10	100	14

admin.bcr:

nationwide children's hospital
124

admin.day_of_dcc_upload:

1
124

admin.disease_code:
 thym
 124

admin.month_of_dcc_upload:
 10
 124

admin.patient_withdrawal.withdrawn:
 false
 124

admin.project_code:
 tcga
 124

admin.year_of_dcc_upload:
 2015
 124

patient.clinical_cqcf.consent_or_death_status:
 consented deceased
 123 1

patient.clinical_cqcf.days_to_consent:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 -294.0 -12.0 0.0 179.4 53.5 2241.0 2

patient.clinical_cqcf.days_to_death:
 2488 NA's
 1 123

patient.clinical_cqcf.history_of_neoadjuvant_treatment:
 no yes
 122 2

patient.clinical_cqcf.normal_tissue_anatomic_site:
 other thymus NA's
 14 4 106

patient.clinical_cqcf.normal_tissue_proximity:
 distal (>2cm) NA's
 18 106

patient.clinical_cqcf.tumor_type:
 primary
 124

```

patient.days_to_birth:
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.   NA's
-30893 -25278  -22092  -21431 -18265   -6572    1

patient.days_to_death:
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.   NA's
 124.0  497.5  1231.0  1490.2  2268.2  3488.0  118

patient.days_to_last_followup:
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.   NA's
    0    325    766   1071   1537   4213    7

patient.drugs.drug.2.day_of_form_completion:
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.   NA's
   3.0    5.0    9.0   13.8   23.0   29.0  119

patient.drugs.drug.2.days_to_drug_therapy_end:
 201  221  369 2000 NA's
  1   1   1   1  120

patient.drugs.drug.2.days_to_drug_therapy_start:
 15  137  261 NA's
  1   1   1  121

patient.drugs.drug.2.drug_name:
  cisplatin cisplatinum  etoposide      taxol      NA's
           1           1           2           1      119

patient.drugs.drug.2.measure_of_response:
clinical progressive disease      complete response
                                1                          1
                                partial response              NA's
                                1                          121

patient.drugs.drug.2.month_of_form_completion:
  2   8   9  10 NA's
  1   1   1   2  119

patient.drugs.drug.2.therapy_ongoing:
no NA's
  4  120

patient.drugs.drug.2.therapy_types.therapy_type:
chemotherapy      NA's
                 4      120

patient.drugs.drug.2.tx_on_clinical_trial:
no NA's
  4  120

```


patient.drugs.drug.2.year_of_form_completion:

2014 2015 NA's
 4 1 119

patient.drugs.drug.3.bcr_drug_barcode:

tcga-x7-a8m5-d70365 tcga-x7-a8m6-d66992 NA's
 1 1 122

patient.drugs.drug.3.bcr_drug_uuid:

28923673-503b-4238-b601-0fc4ac61b761 ea4cb9aa-e2db-47c6-8b8f-871561b2dc39
 1 1
 NA's
 122

patient.drugs.drug.3.day_of_form_completion:

9 29 NA's
 1 1 122

patient.drugs.drug.3.days_to_drug_therapy_end:

2000 NA's
 1 123

patient.drugs.drug.3.drug_name:

cisplatin doxorubicin NA's
 1 1 122

patient.drugs.drug.3.measure_of_response:

clinical progressive disease NA's
 1 123

patient.drugs.drug.3.month_of_form_completion:

2 10 NA's
 1 1 122

patient.drugs.drug.3.therapy_ongoing:

no NA's
 1 123

patient.drugs.drug.3.therapy_types.therapy_type:

chemotherapy NA's
 2 122

patient.drugs.drug.3.tx_on_clinical_trial:

no NA's
 1 123

patient.drugs.drug.3.year_of_form_completion:

2014 2015 NA's
 1 1 122

patient.drugs.drug.4.bcr_drug_barcode:

tcga-x7-a8m6-d66993 NA's

	1	123	
patient.drugs.drug.4.bcr_drug_uuid:			
58085d58-c71c-4c7f-9a49-645d82c04d33			NA's
	1		123
patient.drugs.drug.4.day_of_form_completion:			
29 NA's			
1	123		
patient.drugs.drug.4.days_to_drug_therapy_end:			
2000 NA's			
1	123		
patient.drugs.drug.4.drug_name:			
cyclophosphamide		NA's	
1		123	
patient.drugs.drug.4.measure_of_response:			
clinical progressive disease			NA's
	1		123
patient.drugs.drug.4.month_of_form_completion:			
10 NA's			
1	123		
patient.drugs.drug.4.therapy_ongoing:			
no NA's			
1	123		
patient.drugs.drug.4.therapy_types.therapy_type:			
chemotherapy		NA's	
1		123	
patient.drugs.drug.4.year_of_form_completion:			
2014 NA's			
1	123		
patient.drugs.drug.day_of_form_completion:			
Min. 1st Qu. Median Mean 3rd Qu. Max.			NA's
3.000 4.000 5.000 8.375 6.750 31.000			116
patient.drugs.drug.days_to_drug_therapy_end:			
Min. 1st Qu. Median Mean 3rd Qu. Max.			NA's
55 201 218 1011 369 4213			119
patient.drugs.drug.days_to_drug_therapy_start:			
Min. 1st Qu. Median Mean 3rd Qu. Max.			NA's
2 14 92 660 199 4100			117

```

patient.drugs.drug.measure_of_response:
clinical progressive disease      complete response
                                1                          1
                                partial response          stable disease
                                1                          1
                                NA's
                                120
    
```

```

patient.drugs.drug.month_of_form_completion:
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.    NA's
  2.000  6.500   8.500   7.625 10.000  10.000   116
    
```

```

patient.drugs.drug.therapy_ongoing:
  no  yes NA's
   5   2  117
    
```

```

patient.drugs.drug.therapy_types.therapy_type:
  chemotherapy immunotherapy    NA's
                6                2    116
    
```

```

patient.drugs.drug.tx_on_clinical_trial:
  no NA's
   7  117
    
```

```

patient.drugs.drug.year_of_form_completion:
  2014 2015 NA's
    7   1  116
    
```

```

patient.ethnicity:
  hispanic or latino not hispanic or latino    NA's
                10                100                14
    
```

```

patient.follow_ups.follow_up.2.day_of_form_completion:
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.    NA's
  2.000  2.000   6.000   9.333 13.000  29.000   97
    
```

```

patient.follow_ups.follow_up.2.days_to_last_followup:
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.    NA's
   386   627   813   1161  1538  2936   97
    
```

```

patient.follow_ups.follow_up.2.lost_follow_up:
  no NA's
   27  97
    
```

```

patient.follow_ups.follow_up.2.month_of_form_completion:
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.    NA's
  1.000  3.000  3.000  5.926 11.000  12.000   97
    
```

```

patient.follow_ups.follow_up.2.new_tumor_events.new_tumor_event.additional_pharm
    
```

```

no NA's
3 121

patient.follow_ups.follow_up.2.new_tumor_events.new_tumor_event.additional_radiation_therapy:
no NA's
3 121

patient.follow_ups.follow_up.2.new_tumor_events.new_tumor_event.days_to_new_tumor_event:
752 937 1549 NA's
1 1 1 121

patient.follow_ups.follow_up.2.new_tumor_events.new_tumor_event.new_neoplasm_event:
other, specify NA's
3 121

patient.follow_ups.follow_up.2.new_tumor_events.new_tumor_event.new_neoplasm_event:
distant metastasis locoregional recurrence NA's
1 2 121

patient.follow_ups.follow_up.2.new_tumor_events.new_tumor_event.new_neoplasm_occurrence:
pleura NA's
3 121

patient.follow_ups.follow_up.2.new_tumor_events.new_tumor_event.new_tumor_event:
yes NA's
3 121

patient.follow_ups.follow_up.2.new_tumor_events.new_tumor_event_after_initial_treatment:
no yes NA's
24 3 97

patient.follow_ups.follow_up.2.person_neoplasm_cancer_status:
tumor free with tumor NA's
23 3 98

patient.follow_ups.follow_up.2.postoperative_rx_tx:
no yes NA's
24 3 97

patient.follow_ups.follow_up.2.radiation_therapy:
no yes NA's
17 10 97

patient.follow_ups.follow_up.2.vital_status:
alive NA's
27 97

patient.follow_ups.follow_up.2.year_of_form_completion:
2014 2015 NA's
10 17 97

patient.follow_ups.follow_up.3.bcr_followup_barcode:

```

```

tcga-4x-a9f9-f72120 tcga-yt-a95f-f72392 tcga-yt-a95h-f68756 NA's
                1                1                1                121

patient.follow_ups.follow_up.3.bcr_followup_uuid:
549c35bb-deec-481a-bc34-b52f2cefde17 8d079259-6e70-4c00-bdac-2c51e77b1c17
                1                1
fd0c1a65-fa98-41c2-8e39-94dea7e90e23 NA's
                1                121

patient.follow_ups.follow_up.3.day_of_form_completion:
15 16 23 NA's
1 1 1 121

patient.follow_ups.follow_up.3.days_to_last_followup:
627 669 775 NA's
1 1 1 121

patient.follow_ups.follow_up.3.lost_follow_up:
no NA's
3 121

patient.follow_ups.follow_up.3.month_of_form_completion:
4 7 12 NA's
1 1 1 121

patient.follow_ups.follow_up.3.new_tumor_events.new_tumor_event_after_initial_tr
no NA's
3 121

patient.follow_ups.follow_up.3.person_neoplasm_cancer_status:
tumor free NA's
3 121

patient.follow_ups.follow_up.3.postoperative_rx_tx:
no NA's
3 121

patient.follow_ups.follow_up.3.radiation_therapy:
no yes NA's
2 1 121

patient.follow_ups.follow_up.3.vital_status:
alive NA's
3 121

patient.follow_ups.follow_up.3.year_of_form_completion:
2014 2015 NA's
1 2 121

patient.follow_ups.follow_up.4.bcr_followup_barcode:
tcga-yt-a95h-f70290 NA's
                1                123

```

```

patient.follow_ups.follow_up.4.bcr_followup_uuid:
15c6b5c1-ffa0-4847-b071-a0cfd8a558f4
1
NA's
123

patient.follow_ups.follow_up.4.day_of_form_completion:
3 NA's
1 123

patient.follow_ups.follow_up.4.days_to_last_followup:
711 NA's
1 123

patient.follow_ups.follow_up.4.lost_follow_up:
no NA's
1 123

patient.follow_ups.follow_up.4.month_of_form_completion:
2 NA's
1 123

patient.follow_ups.follow_up.4.postoperative_rx_tx:
no NA's
1 123

patient.follow_ups.follow_up.4.radiation_therapy:
no NA's
1 123

patient.follow_ups.follow_up.4.vital_status:
alive NA's
1 123

patient.follow_ups.follow_up.4.year_of_form_completion:
2015 NA's
1 123

patient.follow_ups.follow_up.day_of_form_completion:
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
3.00 6.00 12.00 12.83 16.00 31.00 5

patient.follow_ups.follow_up.days_to_death:
180 775 853 2910 NA's
1 1 1 1 120

patient.follow_ups.follow_up.days_to_last_followup:
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
14 687 1220 1450 1819 4575 11

patient.follow_ups.follow_up.lost_follow_up:

```

no yes NA's
 107 12 5

patient.follow_ups.follow_up.month_of_form_completion:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 1.000 6.000 8.000 7.731 11.000 12.000 5

patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.2.additional_pharm
 no yes NA's
 2 1 121

patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.2.additional_radia
 no yes NA's
 1 2 121

patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.2.days_to_new_tumo
 702 1365 3143 NA's
 1 1 1 121

patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.2.new_neoplasm_eve
 liver other, specify NA's
 1 2 121

patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.2.new_neoplasm_eve
 distant metastasis locoregional recurrence new primary tumor
 1 1 1
 NA's
 121

patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.2.new_neoplasm_occ
 face thymus NA's
 1 1 122

patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.2.new_tumor_event_
 no yes NA's
 1 1 122

patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.3.additional_pharm
 no yes NA's
 1 1 122

patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.3.additional_radia
 no yes NA's
 1 1 122

patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.3.days_to_new_tumo
 702 3502 NA's
 1 1 122

patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.3.new_neoplasm_eve
 bone other, specify NA's
 1 1 122

```

patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.3.new_neoplasm_event
distant metastasis new primary tumor NA's
1 1 122

patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.3.new_neoplasm_occ
nose NA's
1 123

patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.3.new_tumor_event_
yes NA's
1 123

patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.4.additional_pharm
yes NA's
1 123

patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.4.additional_radiat
yes NA's
1 123

patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.4.days_to_new_tumor
702 NA's
1 123

patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.4.new_neoplasm_event
other, specify NA's
1 123

patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.4.new_neoplasm_event
distant metastasis NA's
1 123

patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.4.new_neoplasm_occ
superior vena cava lymph node NA's
1 123

patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.4.new_tumor_event_
yes NA's
1 123

patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.additional_pharmac
no yes NA's
4 1 119

patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.additional_radiati
no yes NA's
3 2 119

patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.days_to_new_tumor_
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
196.0 374.2 896.5 1267.0 2087.8 2928.0 118

```


patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.new_neoplasm_event
 liver lung other, specify NA's
 1 2 3 118

patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.new_neoplasm_event
 distant metastasis new primary tumor NA's
 2 4 118

patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.new_neoplasm_occurrence
 breast lung pleura right axillary NA's
 1 1 1 121

patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.new_tumor_event_adjuvant
 no yes NA's
 2 3 119

patient.follow_ups.follow_up.new_tumor_events.new_tumor_event_after_initial_treatment
 no yes NA's
 110 6 8

patient.follow_ups.follow_up.person_neoplasm_cancer_status:
 tumor free with tumor NA's
 107 4 13

patient.follow_ups.follow_up.postoperative_rx_tx:
 no yes NA's
 108 9 7

patient.follow_ups.follow_up.radiation_therapy:
 no yes NA's
 78 39 7

patient.follow_ups.follow_up.vital_status:
 alive dead NA's
 114 4 6

patient.follow_ups.follow_up.year_of_form_completion:
 2014 2015 NA's
 72 47 5

patient.gender:
 female male
 60 64

patient.height:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 139.0 158.0 167.0 167.5 176.0 194.0 23

patient.history_of_neoadjuvant_treatment:
 no yes
 122 2

patient.icd_10:

c37	c38.1	c38.3	c76.1
85	37	1	1

patient.icd_o_3_site:

c37.9	c38.1	c38.3	c76.1
85	37	1	1

patient.informed_consent_verified:

yes
124

patient.new_tumor_events.new_tumor_event.2.additional_pharmaceutical_therapy:

no	yes	NA's
2	1	121

patient.new_tumor_events.new_tumor_event.2.additional_radiation_therapy:

no	NA's
3	121

patient.new_tumor_events.new_tumor_event.2.days_to_new_tumor_event_after_initial

296	890	3538	NA's
1	1	1	121

patient.new_tumor_events.new_tumor_event.2.new_neoplasm_event_occurrence_anatomical

brain	pleura/pleural effusion	NA's
1	2	121

patient.new_tumor_events.new_tumor_event.2.new_neoplasm_event_type:

distant	metastasis	locoregional	recurrence	NA's
1			2	121

patient.new_tumor_events.new_tumor_event.2.new_tumor_event_additional_surgery_performed

no	yes	NA's
2	1	121

patient.new_tumor_events.new_tumor_event.3.additional_pharmaceutical_therapy:

no	NA's
1	123

patient.new_tumor_events.new_tumor_event.3.additional_radiation_therapy:

no	NA's
1	123

patient.new_tumor_events.new_tumor_event.3.days_to_new_tumor_event_after_initial

296	NA's
1	123

patient.new_tumor_events.new_tumor_event.3.new_neoplasm_event_occurrence_anatomical

liver	NA's
-------	------

1 123

patient.new_tumor_events.new_tumor_event.3.new_neoplasm_event_type:
distant metastasis NA's
1 123

patient.new_tumor_events.new_tumor_event.3.new_tumor_event_additional_surgery_pr
no NA's
1 123

patient.new_tumor_events.new_tumor_event.4.additional_pharmaceutical_therapy:
no NA's
1 123

patient.new_tumor_events.new_tumor_event.4.additional_radiation_therapy:
no NA's
1 123

patient.new_tumor_events.new_tumor_event.4.days_to_new_tumor_event_after_initial
296 NA's
1 123

patient.new_tumor_events.new_tumor_event.4.new_neoplasm_event_occurrence_anatomi
bone NA's
1 123

patient.new_tumor_events.new_tumor_event.4.new_neoplasm_event_type:
distant metastasis NA's
1 123

patient.new_tumor_events.new_tumor_event.4.new_tumor_event_additional_surgery_pr
no NA's
1 123

patient.new_tumor_events.new_tumor_event.5.additional_pharmaceutical_therapy:
no NA's
1 123

patient.new_tumor_events.new_tumor_event.5.additional_radiation_therapy:
no NA's
1 123

patient.new_tumor_events.new_tumor_event.5.days_to_new_tumor_event_after_initial
296 NA's
1 123

patient.new_tumor_events.new_tumor_event.5.new_neoplasm_event_occurrence_anatomi
other, specify NA's
1 123

patient.new_tumor_events.new_tumor_event.5.new_neoplasm_event_type:
distant metastasis NA's

	1	123
patient.new_tumor_events.new_tumor_event.5.new_neoplasm_occurrence_anatomic_site		
adrenal gland	NA's	
	1	123
patient.new_tumor_events.new_tumor_event.5.new_tumor_event_additional_surgery_pr		
no NA's		
	1	123
patient.new_tumor_events.new_tumor_event.6.additional_pharmaceutical_therapy:		
no NA's		
	1	123
patient.new_tumor_events.new_tumor_event.6.additional_radiation_therapy:		
no NA's		
	1	123
patient.new_tumor_events.new_tumor_event.6.days_to_new_tumor_event_after_initial		
296 NA's		
	1	123
patient.new_tumor_events.new_tumor_event.6.new_neoplasm_event_occurrence_anatomi		
pleura/pleural effusion	NA's	
	1	123
patient.new_tumor_events.new_tumor_event.6.new_neoplasm_event_type:		
locoregional recurrence	NA's	
	1	123
patient.new_tumor_events.new_tumor_event.6.new_tumor_event_additional_surgery_pr		
no NA's		
	1	123
patient.new_tumor_events.new_tumor_event.7.additional_pharmaceutical_therapy:		
no NA's		
	1	123
patient.new_tumor_events.new_tumor_event.7.additional_radiation_therapy:		
no NA's		
	1	123
patient.new_tumor_events.new_tumor_event.7.days_to_new_tumor_event_after_initial		
296 NA's		
	1	123
patient.new_tumor_events.new_tumor_event.7.new_neoplasm_event_occurrence_anatomi		
other, specify	NA's	
	1	123
patient.new_tumor_events.new_tumor_event.7.new_neoplasm_event_type:		
distant metastasis	NA's	

	1	123
--	---	-----

patient.new_tumor_events.new_tumor_event.7.new_neoplasm_occurrence_anatomic_site

lymph nodes	NA's
1	123

patient.new_tumor_events.new_tumor_event.7.new_tumor_event_additional_surgery_pr

no NA's
1 123

patient.new_tumor_events.new_tumor_event.additional_pharmaceutical_therapy:

no	yes	NA's
10	4	110

patient.new_tumor_events.new_tumor_event.additional_radiation_therapy:

no	yes	NA's
10	4	110

patient.new_tumor_events.new_tumor_event.days_to_new_tumor_event_after_initial_t

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
91.0	182.0	539.0	829.8	1338.8	2428.0	110

patient.new_tumor_events.new_tumor_event.new_neoplasm_event_occurrence_anatomic_

lung	other, specify	pleura/pleural effusion
3	9	3
NA's		
109		

patient.new_tumor_events.new_tumor_event.new_neoplasm_event_type:

distant metastasis	locoregional recurrence	new primary tumor
1	7	7
NA's		
109		

patient.new_tumor_events.new_tumor_event.new_tumor_event_additional_surgery_pro

no	yes	NA's
7	7	110

patient.new_tumor_events.new_tumor_event_after_initial_treatment:

no	yes	NA's
108	15	1

patient.person_neoplasm_cancer_status:

tumor free	with tumor	NA's
115	6	3

patient.post_op_ablation_embolization_tx:

no NA's
122 2

patient.postoperative_rx_tx:

no	yes	NA's
117	6	1

patient.primary_pathology.age_at_initial_pathologic_diagnosis:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
17.00	49.50	60.00	58.16	68.50	84.00	1

patient.primary_pathology.days_to_initial_pathologic_diagnosis:

0	NA's
123	1

patient.primary_pathology.histological_type_list.histological_type.2:

thymoma; type ab	thymoma; type b2	thymoma; type b3	NA's
2	1	3	118

patient.primary_pathology.history_myasthenia_gravis:

no	yes	NA's
90	31	3

patient.primary_pathology.init_pathology_dx_method_other:

clinical judgment, imaging	1	mediastinoscopy	1
mediastinotomy	1	surgical biopsy	1
NA's	120		

patient.primary_pathology.initial_pathologic_diagnosis_method:

core needle biopsy	11	fine needle aspiration biopsy	11
other method, specify:	4	surgical resection	98

patient.primary_pathology.tumor_tissue_site:

anterior mediastinum	27	thymus	97
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patient.primary_pathology.year_of_initial_pathologic_diagnosis:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.
2000	2008	2010	2010	2012	2013

patient.prior_dx:

no	yes
114	10

patient.race:

asian	13	black	6	or african american		white	103
NA's							

2

patient.radiation_therapy:

no	yes	NA's
81	42	1

patient.radiations.radiation.2.anatomic_treatment_site:

regional	site	NA's
2		122

patient.radiations.radiation.2.bcr_radiation_barcode:

tcga-xu-a936-r66165	tcga-xu-aaxx-r66120	NA's
1	1	122

patient.radiations.radiation.2.bcr_radiation_uuid:

48a66c10-e6f8-46bf-9e08-5a8742ead7da	f27c8aad-a583-4d35-b44f-ce230cadb192	
	1	1
	NA's	
	122	

patient.radiations.radiation.2.day_of_form_completion:

2	3	NA's
1	1	122

patient.radiations.radiation.2.days_to_radiation_therapy_end:

101	123	NA's
1	1	122

patient.radiations.radiation.2.days_to_radiation_therapy_start:

73	77	NA's
1	1	122

patient.radiations.radiation.2.month_of_form_completion:

10	NA's
2	122

patient.radiations.radiation.2.numfractions:

12	20	NA's
1	1	122

patient.radiations.radiation.2.radiation_dosage:

40	2400	NA's
1	1	122

patient.radiations.radiation.2.radiation_treatment_ongoing:

no	NA's
2	122

patient.radiations.radiation.2.radiation_type:

external	NA's
2	122

patient.radiations.radiation.2.units:

cgy	gy	NA's
1	1	122

patient.radiations.radiation.2.year_of_form_completion:

2014	NA's
2	122

patient.radiations.radiation.anatomic_treatment_site:

local recurrence	primary tumor field	regional site	NA's
2	24	14	84

patient.radiations.radiation.day_of_form_completion:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
2.00	3.00	5.00	10.86	19.50	31.00	81

patient.radiations.radiation.days_to_radiation_therapy_end:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
24.0	86.5	104.0	205.9	152.0	2092.0	81

patient.radiations.radiation.days_to_radiation_therapy_start:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
21.0	51.0	65.0	168.4	104.0	2058.0	81

patient.radiations.radiation.measure_of_response:

complete response	partial response
23	1
radiographic progressive disease	stable disease
2	1
NA's	
97	

patient.radiations.radiation.month_of_form_completion:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1.000	8.000	10.000	8.674	10.000	12.000	81

patient.radiations.radiation.numfractions:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
4.00	21.25	26.00	25.47	30.00	50.00	86

patient.radiations.radiation.radiation_dosage:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
7.2	49.0	50.0	716.3	60.0	5940.0	85

patient.radiations.radiation.radiation_treatment_ongoing:

no	NA's
43	81

patient.radiations.radiation.radiation_type:

external	NA's
----------	------

41 83

patient.radiations.radiation.units:

cg	gy	NA's
5	35	84

patient.radiations.radiation.year_of_form_completion:

2013	2014	2015	NA's
1	40	2	81

patient.tissue_prospective_collection_indicator:

no	yes
111	13

patient.tissue_retrospective_collection_indicator:

no	yes
13	111

patient.vital_status:

alive	dead
118	6

patient.weight:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
44.00	63.00	75.00	77.08	89.50	155.00	21

patient.bcr_canonical_check.bcr_patient_canonical_reasons.bcr_canonical_reason:

germline comparison	NA's
2	122

patient.bcr_canonical_check.bcr_patient_canonical_status:

canonical	canonical - plus
122	2

patient.biospecimen_cqcf.consent_or_death_status:

consented	deceased
123	1

patient.biospecimen_cqcf.days_to_pathology_review:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0.0	339.5	1037.5	1255.9	1852.2	4605.0	8

patient.biospecimen_cqcf.days_to_sample_procurement:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
-13.00	0.00	0.00	27.09	4.50	1786.00	1

patient.biospecimen_cqcf.ethnicity:

hispanic	or latino	not hispanic	or latino	NA's
8		80		36

mediastinum	thymus
27	97

patient.biospecimen_cqcf.site_of_disease_description:
 anterior NA's
 27 97

patient.biospecimen_cqcf.tumor_samples.tumor_sample.tumor_necrosis_percent:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 0.000 0.000 0.000 1.308 0.000 50.000 7

patient.biospecimen_cqcf.tumor_samples.tumor_sample.tumor_nuclei_percent:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 10.00 60.00 80.00 73.41 90.00 100.00 7

patient.biospecimen_cqcf.tumor_samples.tumor_sample.tumor_weight:
 Min. 1st Qu. Median Mean 3rd Qu. Max.
 66.0 110.0 160.0 203.7 300.0 510.0

patient.biospecimen_cqcf.tumor_samples.tumor_sample.vial_number:
 1
 124

patient.biospecimen_cqcf.vessel_used:
 biospecimen storage bag cassette cryomold
 4 1 26
 cryovial other (please specify)
 91 2

patient.days_to_index:
 0 NA's
 123 1

patient.samples.sample.2.days_to_collection:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 29.0 421.5 1122.0 1373.9 1891.5 4923.0 1

patient.samples.sample.2.initial_weight:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 110 140 140 180 220 320 113

patient.samples.sample.2.is_ffpe:
 no
 124

patient.samples.sample.2.oct_embedded:
 false
 124

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.2.bi
 Min. 1st Qu. Median Mean 3rd Qu. Max.
 174162653 174163657 174164000 174163882 174164032 174164063

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.2.ce
 9
 124

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.2.co
 0.07 0.08 0.09
 30 82 12

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.2.da
 18
 124

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.2.is
 no
 124

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.2.mo
 6
 124

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.2.pl
 Min. 1st Qu. Median Mean 3rd Qu. Max.
 1.000 3.000 5.000 5.363 8.000 12.000

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.2.pl
 a426 a42b
 81 43

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.2.qu
 2.8 3.2 3.6
 30 82 12

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.2.so
 23
 124

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.2.vo
 40
 124

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.2.ye
 2014
 124

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.bios
 Min. 1st Qu. Median Mean 3rd Qu. Max.
 174162652 174164381 174164414 174164309 174164446 174164536

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.cent
 1
 124

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.conc
 0.14 0.15 0.16 0.17
 19 38 38 29

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.day_
 18
 124

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.is_d
 no
 124

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.mont
 6
 124

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.plat
 Min. 1st Qu. Median Mean 3rd Qu. Max.
 1.000 3.000 5.000 5.363 8.000 12.000

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.plat
 a425 a42a
 81 43

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.quan
 0.94 1.01 1.07 1.14
 19 38 38 29

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.sour
 23
 124

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.vol
 6.7
 124

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.year
 2014
 124

patient.samples.sample.2.portions.portion.analytes.analyte.amount:
 Min. 1st Qu. Median Mean 3rd Qu. Max.

5.03 12.84 17.84 20.40 23.66 73.47

patient.samples.sample.2.portions.portion.analytes.analyte.analyte_type:
dna
124

patient.samples.sample.2.portions.portion.analytes.analyte.analyte_type_id:
d
124

patient.samples.sample.2.portions.portion.analytes.analyte.concentration:
0.14 0.15 0.16 0.17
19 38 38 29

patient.samples.sample.2.portions.portion.analytes.analyte.dna.normal_tumor_gene:
yes
124

patient.samples.sample.2.portions.portion.analytes.analyte.dna.pcr_amplification:
yes
124

patient.samples.sample.2.portions.portion.analytes.analyte.gel_image_file:
<https://sharedoc.nchri.org/tcga-bcr/default.aspx>
124

patient.samples.sample.2.portions.portion.analytes.analyte.is_derived_from_ffpe:
no
124

patient.samples.sample.2.portions.portion.analytes.analyte.protocols.protocol.extra_protocol:
adna preparation type pre-extracted dna received by tss
74 50

patient.samples.sample.2.portions.portion.analytes.analyte.spectrophotometer_method:
picogreen
124

patient.samples.sample.2.portions.portion.analytes.analyte.subportion_sequence:
1 2 NA's
9 2 113

patient.samples.sample.2.portions.portion.day_of_creation:
Min. 1st Qu. Median Mean 3rd Qu. Max.
2.00 3.75 12.00 14.02 24.00 31.00

patient.samples.sample.2.portions.portion.is_ffpe:
no

124

patient.samples.sample.2.portions.portion.month_of_creation:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.
1.000	1.000	2.000	4.121	5.000	12.000

patient.samples.sample.2.portions.portion.portion_number:

1	11	21	22	31
113	6	2	2	1

patient.samples.sample.2.portions.portion.portion_sequence:

1	NA's
12	112

patient.samples.sample.2.portions.portion.slides.slide.is_derived_from_ffpe:

no	NA's
11	113

patient.samples.sample.2.portions.portion.slides.slide.percent_lymphocyte_infiltration:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0.00	0.00	1.00	15.91	6.50	80.00	113

patient.samples.sample.2.portions.portion.slides.slide.percent_monocyte_infiltration:

0	1	2	NA's
8	2	1	113

patient.samples.sample.2.portions.portion.slides.slide.percent_necrosis:

0	NA's
11	113

patient.samples.sample.2.portions.portion.slides.slide.percent_neutrophil_infiltration:

0	1	2	NA's
8	1	2	113

patient.samples.sample.2.portions.portion.slides.slide.percent_normal_cells:

0	96	100	NA's
3	1	7	113

patient.samples.sample.2.portions.portion.slides.slide.percent_stromal_cells:

0	4	100	NA's
7	1	3	113

patient.samples.sample.2.portions.portion.slides.slide.percent_tumor_cells:

0	NA's
11	113

patient.samples.sample.2.portions.portion.slides.slide.percent_tumor_nuclei:

0	NA's
11	113

patient.samples.sample.2.portions.portion.slides.slide.section_location:
 top NA's
 11 113

patient.samples.sample.2.portions.portion.weight:
 2 30 NA's
 63 11 50

patient.samples.sample.2.portions.portion.year_of_creation:
 2013 2014
 29 95

patient.samples.sample.2.sample_type:
 blood derived normal buccal cell normal solid tissue normal
 111 2 11

patient.samples.sample.2.sample_type_id:
 10 11 12
 111 11 2

patient.samples.sample.2.vial_number:
 a b
 121 3

patient.samples.sample.3.bcr_biospecimen_canonical_reasons.bcr_canonical_reason:
 germline comparison NA's
 2 122

patient.samples.sample.3.bcr_sample_barcode:
 tcga-x7-a8d6-11a tcga-x7-a8d7-11a NA's
 1 1 122

patient.samples.sample.3.bcr_sample_uuid:
 9cfaldad-df62-4e0e-8fda-7d4a4e55384c a21a9863-3ad7-44df-8063-c32400820dc1
 1 1
 NA's
 122

patient.samples.sample.3.days_to_collection:
 3800 4090 NA's
 1 1 122

patient.samples.sample.3.initial_weight:
 150 160 NA's
 1 1 122

patient.samples.sample.3.is_ffpe:
 no NA's
 2 122

patient.samples.sample.3.oct_embedded:

false NA's
2 122

patient.samples.sample.3.portions.portion.analytes.analyte.2.a260_a280_ratio:
1.89 1.94 NA's
1 1 122

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.2.
tcga-x7-a8d6-11a-22r-a42w-13 tcga-x7-a8d7-11a-11r-a42w-13
1 1
NA's
122

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.2.
ba66a0e2-eb00-494f-8e51-61bd4085d9f5 e06f327e-c855-41bb-9c8b-25acf5aabef1
1 1
NA's
122

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.2.
174162868 174162892 NA's
1 1 122

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.2.
13 NA's
2 122

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.2.
0.17 0.18 NA's
1 1 122

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.2.
18 NA's
2 122

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.2.
no NA's
2 122

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.2.
6 NA's
2 122

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.2.
5 NA's
2 122

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.2.
a42w NA's
2 122

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.2.

b d NA's
1 1 122

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.2.
3.4 3.6 NA's
1 1 122

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.2.
23 NA's
2 122

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.2.
20 NA's
2 122

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.2.
2014 NA's
2 122

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.bo
tcga-x7-a8d6-11a-22r-a42c-07 tcga-x7-a8d7-11a-11r-a42c-07
1 1
NA's
122

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.bo
5ab9c57d-ad8a-4d8e-a34a-d02a455a35bd 7f6f6ce6-2901-4f09-a37a-be0b066591d4
1 1
NA's
122

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.bi
174163540 174163564 NA's
1 1 122

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.ce
7 NA's
2 122

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.co
0.17 0.18 NA's
1 1 122

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.da
18 NA's
2 122

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.is
no NA's
2 122

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.mo

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6 NA's
2 122

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.pl
5 NA's
2 122

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.pl
a42c NA's
2 122

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.pl
b d NA's
1 1 122

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.qu
2.21 2.34 NA's
1 1 122

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.sc
23 NA's
2 122

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.vo
13 NA's
2 122

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.ye
2014 NA's
2 122

patient.samples.sample.3.portions.portion.analytes.analyte.2.amount:
6.78 19.58 NA's
1 1 122

patient.samples.sample.3.portions.portion.analytes.analyte.2.analyte_type:
rna NA's
2 122

patient.samples.sample.3.portions.portion.analytes.analyte.2.analyte_type_id:
r NA's
2 122

patient.samples.sample.3.portions.portion.analytes.analyte.2.bcr_analyte_barcode
tcga-x7-a8d6-11a-22r tcga-x7-a8d7-11a-11r NA's
1 1 122

patient.samples.sample.3.portions.portion.analytes.analyte.2.bcr_analyte_uuid:
4839b97c-be95-4a8e-9fea-599ca8d1c92b 52e0f5c3-ce08-4dbe-ad32-ca6ce407977c
1 1
NA's
122

```

patient.samples.sample.3.portions.portion.analytes.analyte.2.concentration:
 0.17 0.18 NA's
 1 1 122

patient.samples.sample.3.portions.portion.analytes.analyte.2.gel_image_file:
<https://sharedoc.nchri.org/tcga-bcr/default.aspx>
 2
 NA's
 122

patient.samples.sample.3.portions.portion.analytes.analyte.2.is_derived_from_ffp:
 no NA's
 2 122

patient.samples.sample.3.portions.portion.analytes.analyte.2.protocols.protocol:
 mirvana (allprep dna) rna NA's
 2 122

patient.samples.sample.3.portions.portion.analytes.analyte.2.rna.ratio_28s_18s:
 1.31 1.76 NA's
 1 1 122

patient.samples.sample.3.portions.portion.analytes.analyte.2.rna.rinvalue:
 7.1 9.1 NA's
 1 1 122

patient.samples.sample.3.portions.portion.analytes.analyte.2.spectrophotometer_m
 uv spec NA's
 2 122

patient.samples.sample.3.portions.portion.analytes.analyte.2.subportion_sequence:
 1 2 NA's
 1 1 122

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.2.bo
 tcga-x7-a8d6-11a-22d-a423-09 tcga-x7-a8d7-11a-11d-a423-09
 1 1
 NA's
 122

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.2.bo
 d71b2270-7707-46aa-ac4a-73f74fc7349b f7c2375b-be9d-40a4-a4ed-8975d7ac4552
 1 1
 NA's
 122

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.2.bi
 174164099 174164100 NA's
 1 1 122

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.2.ce

9 NA's
2 122

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.2.co
0.07 0.08 NA's
1 1 122

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.2.da
18 NA's
2 122

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.2.is
no NA's
2 122

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.2.mo
6 NA's
2 122

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.2.pl
12 NA's
2 122

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.2.pl
a423 NA's
2 122

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.2.pl
e f NA's
1 1 122

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.2.qu
2.8 3.2 NA's
1 1 122

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.2.so
23 NA's
2 122

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.2.vo
40 NA's
2 122

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.2.ye
2014 NA's
2 122

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.3.bo
tcga-x7-a8d6-11a-22d-a424-05 tcga-x7-a8d7-11a-11d-a424-05
1 1
NA's
122

13 NA's
2 122

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.3.ye
2014 NA's
2 122

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.bcr_
tcga-x7-a8d6-11a-22d-a422-01 tcga-x7-a8d7-11a-11d-a422-01
1 1
NA's
122

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.bcr_
3ea9a8ca-15bb-4a1e-92bd-d66fa2e296c0 5bd83021-fe82-4b25-91ca-da51dff6b450
1 1
NA's
122

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.bios
174163907 174163908 NA's
1 1 122

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.cent
1 NA's
2 122

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.conc
0.15 0.17 NA's
1 1 122

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.day_
18 NA's
2 122

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.is_d
no NA's
2 122

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.mont
6 NA's
2 122

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.plat
12 NA's
2 122

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.plat
a422 NA's
2 122

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.plat


```

e      f NA's
1      1 122

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.quant
1.01 1.14 NA's
1      1 122

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.sourc
23 NA's
2      122

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.vol
6.7 NA's
2      122

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.year
2014 NA's
2      122

patient.samples.sample.3.portions.portion.analytes.analyte.amount:
14.86 76.39 NA's
1      1 122

patient.samples.sample.3.portions.portion.analytes.analyte.analyte_type:
dna NA's
2      122

patient.samples.sample.3.portions.portion.analytes.analyte.analyte_type_id:
d NA's
2      122

patient.samples.sample.3.portions.portion.analytes.analyte.bcr_analyte_barcode:
tcga-x7-a8d6-11a-22d tcga-x7-a8d7-11a-11d NA's
1      1      122

patient.samples.sample.3.portions.portion.analytes.analyte.bcr_analyte_uuid:
4ab660a3-a8e3-448d-9dff-ff4df2fd51d9 6005014c-48b5-4562-bb1f-f007e1a533f8
1      1
NA's
122

patient.samples.sample.3.portions.portion.analytes.analyte.concentration:
0.15 0.17 NA's
1      1 122

patient.samples.sample.3.portions.portion.analytes.analyte.dna.normal_tumor_genom
yes NA's
2      122

patient.samples.sample.3.portions.portion.analytes.analyte.dna.pcr_amplification
yes NA's
2      122

```

patient.samples.sample.3.portions.portion.analytes.analyte.gel_image_file:
<https://sharedoc.nchri.org/tcga-bcr/default.aspx>

2
 NA's
 122

patient.samples.sample.3.portions.portion.analytes.analyte.is_derived_from_ffpe:

no NA's
 2 122

patient.samples.sample.3.portions.portion.analytes.analyte.protocols.protocol.ex

adna preparation type NA's
 2 122

patient.samples.sample.3.portions.portion.analytes.analyte.spectrophotometer_met

picogreen NA's
 2 122

patient.samples.sample.3.portions.portion.analytes.analyte.subportion_sequence:

1 2 NA's
 1 1 122

patient.samples.sample.3.portions.portion.bcr_portion_barcode:

tcga-x7-a8d6-11a-22 tcga-x7-a8d7-11a-11 NA's
 1 1 122

patient.samples.sample.3.portions.portion.bcr_portion_uuid:

25fe76bb-15dc-4891-a81d-567b5b674682 9d00a542-6b3b-4538-bf8d-494bc6c9564b
 1 1
 NA's
 122

patient.samples.sample.3.portions.portion.day_of_creation:

4 13 NA's
 1 1 122

patient.samples.sample.3.portions.portion.is_ffpe:

no NA's
 2 122

patient.samples.sample.3.portions.portion.month_of_creation:

11 12 NA's
 1 1 122

patient.samples.sample.3.portions.portion.portion_number:

11 22 NA's
 1 1 122

patient.samples.sample.3.portions.portion.portion_sequence:

1 2 NA's
 1 1 122

```

patient.samples.sample.3.portions.portion.slides.slide.bcr_slide_barcode:
tcga-x7-a8d6-11a-02-ts2 tcga-x7-a8d7-11a-01-ts1 NA's
1 1 122

```

```

patient.samples.sample.3.portions.portion.slides.slide.bcr_slide_uuid:
287568d3-b1b2-4c31-b8cb-541b2a1b16e3 6d8514c9-586d-4e14-b8d9-256482364219
1 1
NA's
122

```

```

patient.samples.sample.3.portions.portion.slides.slide.image_file_name:
tcga-x7-a8d6-11a-02-ts2.6d8514c9-586d-4e14-b8d9-256482364219.svs
1
tcga-x7-a8d7-11a-01-ts1.287568d3-b1b2-4c31-b8cb-541b2a1b16e3.svs
1
NA's
122

```

```

patient.samples.sample.3.portions.portion.slides.slide.is_derived_from_ffpe:
no NA's
2 122

```

```

patient.samples.sample.3.portions.portion.slides.slide.percent_lymphocyte_infiltration:
0 NA's
2 122

```

```

patient.samples.sample.3.portions.portion.slides.slide.percent_monocyte_infiltration:
0 NA's
2 122

```

```

patient.samples.sample.3.portions.portion.slides.slide.percent_necrosis:
0 NA's
2 122

```

```

patient.samples.sample.3.portions.portion.slides.slide.percent_neutrophil_infiltration:
0 NA's
2 122

```

```

patient.samples.sample.3.portions.portion.slides.slide.percent_normal_cells:
100 NA's
2 122

```

```

patient.samples.sample.3.portions.portion.slides.slide.percent_stromal_cells:
0 NA's
2 122

```

```

patient.samples.sample.3.portions.portion.slides.slide.percent_tumor_cells:
0 NA's
2 122

```

```

patient.samples.sample.3.portions.portion.slides.slide.percent_tumor_nuclei:

```

```

0 NA's
2 122

patient.samples.sample.3.portions.portion.slides.slide.section_location:
top NA's
2 122

patient.samples.sample.3.portions.portion.weight:
10 30 NA's
1 1 122

patient.samples.sample.3.portions.portion.year_of_creation:
2013 NA's
2 122

patient.samples.sample.3.sample_type:
solid tissue normal NA's
2 122

patient.samples.sample.3.sample_type_id:
11 NA's
2 122

patient.samples.sample.3.vial_number:
a NA's
2 122

patient.samples.sample.days_to_collection:
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
29.0 421.5 1122.0 1373.9 1891.5 4923.0 1

patient.samples.sample.diagnostic_slides.ffpe_slide_uuid.10:
6b94c249-720f-413d-8d3c-90ec9687ba1d 7afdd4eb-131c-4f28-b6ef-4224292a0266
1 1
f59749fa-c724-4179-8806-8fc32eefeff1 NA's
1 121

patient.samples.sample.diagnostic_slides.ffpe_slide_uuid.11:
908d41c2-4195-468a-855b-47318be75d4b b51f5046-3b76-4f84-be59-59b180536171
1 1
fbe664dc-6b0b-470a-a638-26b051849661 NA's
1 121

patient.samples.sample.diagnostic_slides.ffpe_slide_uuid.12:
e841de60-7836-4a21-8ff7-2512d73424ed NA's
1 123

patient.samples.sample.diagnostic_slides.ffpe_slide_uuid.13:
ed7db698-c766-4e84-816a-1daf551bc67f NA's

```

1	123
patient.samples.sample.diagnostic_slides.ffpe_slide_uuid.14:	
ef8ealf6-8354-4eb4-bd98-a5293ad73430	NA's
1	123
patient.samples.sample.diagnostic_slides.ffpe_slide_uuid.15:	
deded354-3346-4cc7-8bbb-28b6bf5b6d77	NA's
1	123
patient.samples.sample.diagnostic_slides.ffpe_slide_uuid.16:	
c36787e3-fee8-4230-a161-b00f3eda284a	NA's
1	123
patient.samples.sample.diagnostic_slides.ffpe_slide_uuid.17:	
46c852c7-845e-47a4-b22c-a0c4cf8c23d6	NA's
1	123
patient.samples.sample.diagnostic_slides.ffpe_slide_uuid.18:	
a15a8a41-c0f0-4350-bacd-7398a1c528c2	NA's
1	123
patient.samples.sample.diagnostic_slides.ffpe_slide_uuid.19:	
313be53a-6546-4619-9c3e-aa8e2aa8c19a	NA's
1	123
patient.samples.sample.diagnostic_slides.ffpe_slide_uuid.20:	
4d6c9b79-2979-498c-a3b7-c086c757b2d6	NA's
1	123
patient.samples.sample.initial_weight:	
Min. 1st Qu. Median Mean 3rd Qu. Max.	
20.0 90.0 130.0 200.6 220.0 1170.0	
patient.samples.sample.is_ffpe:	
no	
124	
patient.samples.sample.oct_embedded:	
false true	
65 59	

patient.samples.sample.portions.portion.analytes.analyte.2.a260_a280_ratio:
 Min. 1st Qu. Median Mean 3rd Qu. Max.
 1.710 1.870 1.890 1.887 1.920 2.040

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.2.bi
 Min. 1st Qu. Median Mean 3rd Qu. Max.
 167822982 167823064 174162846 172526770 174162878 174162911

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.2.ce
 13
 124

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.2.co
 0.15 0.16 0.17 0.18
 11 22 56 35

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.2.da
 18
 124

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.2.is
 no
 124

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.2.mo
 6
 124

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.2.pl
 Min. 1st Qu. Median Mean 3rd Qu. Max.
 1.000 4.000 8.000 7.056 10.000 12.000

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.2.pl
 a42u a42w
 32 92

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.2.qu
 3 3.2 3.4 3.6
 11 22 56 35

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.2.so
 23
 124

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.2.vo
 20
 124

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.2.ye

2014
124

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.3.bi
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
167812897 167812898 167812899 167812917 167812922 167812969 119

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.3.ce
7 NA's
5 119

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.3.co
0.16 0.17 0.18 NA's
1 2 2 119

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.3.da
9 NA's
5 119

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.3.is
no NA's
5 119

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.3.mo
12 NA's
5 119

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.3.pl
2 3 4 NA's
2 2 1 119

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.3.pl
a466 NA's
5 119

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.3.pl
b f h NA's
1 1 3 119

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.3.qu
1.06 1.12 1.19 NA's
1 2 2 119

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.3.so
23 NA's
5 119

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.3.vo
6.6 NA's
5 119

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.3.ye
2014 NA's
5 119

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.bios
Min. 1st Qu. Median Mean 3rd Qu. Max.
174162654 174163516 174163548 174163562 174163582 174163864

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.cent
7
124

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.conc
0.15 0.16 0.17 0.18
11 22 56 35

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.day_
18
124

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.is_d
no
124

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.mont
6
124

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.plat
Min. 1st Qu. Median Mean 3rd Qu. Max.
1.000 4.000 8.000 7.056 10.000 12.000

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.plat
a42c a42s
92 32

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.quan
1.95 2.08 2.21 2.34
11 22 56 35

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.sour
23
124

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.vol
13
124

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.year
2014
124

patient.samples.sample.portions.portion.analytes.analyte.2.amount:
Min. 1st Qu. Median Mean 3rd Qu. Max.
16.46 44.38 60.27 58.27 67.46 103.85

patient.samples.sample.portions.portion.analytes.analyte.2.analyte_type:
rna
124

patient.samples.sample.portions.portion.analytes.analyte.2.analyte_type_id:
r
124

patient.samples.sample.portions.portion.analytes.analyte.2.concentration:
0.15 0.16 0.17 0.18
11 22 56 35

patient.samples.sample.portions.portion.analytes.analyte.2.gel_image_file:
<https://sharedoc.nchri.org/tcga-bcr/default.aspx>
124

patient.samples.sample.portions.portion.analytes.analyte.2.is_derived_from_ffpe:
no
124

patient.samples.sample.portions.portion.analytes.analyte.2.protocols.protocol.ex
mirvana (allprep dna) rna
124

patient.samples.sample.portions.portion.analytes.analyte.2.rna.ratio_28s_18s:
Min. 1st Qu. Median Mean 3rd Qu. Max.
0.670 1.377 1.565 1.603 1.792 2.860

patient.samples.sample.portions.portion.analytes.analyte.2.rna.rinvalue:
Min. 1st Qu. Median Mean 3rd Qu. Max.
7.00 7.90 8.50 8.46 9.00 9.70

patient.samples.sample.portions.portion.analytes.analyte.2.spectrophotometer_met
uv spec
124

patient.samples.sample.portions.portion.analytes.analyte.2.subportion_sequence:
1 2 NA's
121 2 1

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.2.bios
Min. 1st Qu. Median Mean 3rd Qu. Max.
174162650 174164087 174164120 174164089 174164151 174164507

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.2.cent
9
124

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.2.conc
0.07 0.08 0.09
22 91 11

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.2.day_
18
124

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.2.is_d
no
124

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.2.mont
6
124

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.2.plat
Min. 1st Qu. Median Mean 3rd Qu. Max.
1.000 3.000 5.000 5.363 8.000 12.000

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.2.plat
a423 a428
81 43

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.2.quan
2.8 3.2 3.6
22 91 11

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.2.sour
23
124

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.2.vol
40
124

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.2.year
2014
124

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.3.bios

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.
174162657	174163050	174163080	174163548	174164480	174164543

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.3.cent
5
124

0.14	0.15	0.16	0.17
10	44	38	32

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.3.conc

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.3.day_
18
124

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.3.is_d
no
124

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.3.mont
6
124

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.
1.000	3.000	5.000	5.363	8.000	12.000

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.3.plat

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.3.plat
a424 a429
81 43

1.82	1.95	2.08	2.21
10	44	38	32

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.3.quant

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.3.sour
23
124

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.3.vol
13
124

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.3.year
2014
124

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.
------	---------	--------	------	---------	------

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.biospe

174162645 174163897 174163930 174163882 174163962 174164388

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.center
1
124

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.concen
0.14 0.15 0.16 0.17
10 44 38 32

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.day_of
18
124

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.is_der
no
124

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.month_
6
124

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.plate_
Min. 1st Qu. Median Mean 3rd Qu. Max.
1.000 3.000 5.000 5.363 8.000 12.000

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.plate_
a422 a427
81 43

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.quantit
0.94 1.01 1.07 1.14
10 44 38 32

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.source
23
124

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.volume
6.7
124

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.year_o
2014
124

patient.samples.sample.portions.portion.analytes.analyte.amount:
Min. 1st Qu. Median Mean 3rd Qu. Max.
19.43 40.45 55.65 57.20 73.17 136.85

patient.samples.sample.portions.portion.analytes.analyte.analyte_type:

dna
124

patient.samples.sample.portions.portion.analytes.analyte.analyte_type_id:
d
124

patient.samples.sample.portions.portion.analytes.analyte.concentration:
0.14 0.15 0.16 0.17
10 44 38 32

patient.samples.sample.portions.portion.analytes.analyte.dna.normal_tumor_genoty
yes
124

patient.samples.sample.portions.portion.analytes.analyte.dna.pcr_amplification_s
yes
124

patient.samples.sample.portions.portion.analytes.analyte.gel_image_file:
<https://sharedoc.nchri.org/tcga-bcr/default.aspx>
124

patient.samples.sample.portions.portion.analytes.analyte.is_derived_from_ffpe:
no
124

patient.samples.sample.portions.portion.analytes.analyte.protocols.protocol.expe
adna preparation type
124

patient.samples.sample.portions.portion.analytes.analyte.spectrophotometer_metho
picogreen
124

patient.samples.sample.portions.portion.analytes.analyte.subportion_sequence:
1 2 NA's
121 2 1

patient.samples.sample.portions.portion.day_of_creation:
Min. 1st Qu. Median Mean 3rd Qu. Max.
2.00 6.75 13.00 16.40 30.00 31.00

patient.samples.sample.portions.portion.is_ffpe:
no
124

patient.samples.sample.portions.portion.month_of_creation:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.
1.000	2.000	3.000	5.919	12.000	12.000

patient.samples.sample.portions.portion.portion_number:

11	12	21	22	31
119	1	1	1	2

patient.samples.sample.portions.portion.portion_sequence:

1	NA's
21	103

patient.samples.sample.portions.portion.slides.slide.is_derived_from_ffpe:

no
124

patient.samples.sample.portions.portion.slides.slide.percent_lymphocyte_infiltra

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.
0.000	0.000	1.000	1.613	2.000	25.000

patient.samples.sample.portions.portion.slides.slide.percent_monocyte_infiltrati

0	1	2
107	15	2

patient.samples.sample.portions.portion.slides.slide.percent_necrosis:

0	3
123	1

patient.samples.sample.portions.portion.slides.slide.percent_neutrophil_infiltra

0	1	2
110	10	4

patient.samples.sample.portions.portion.slides.slide.percent_normal_cells:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.
0.000	0.000	0.000	1.815	0.000	50.000

patient.samples.sample.portions.portion.slides.slide.percent_stromal_cells:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.
0.000	0.000	1.000	8.532	15.000	65.000

patient.samples.sample.portions.portion.slides.slide.percent_tumor_cells:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.
35.00	85.00	99.00	89.63	100.00	100.00

patient.samples.sample.portions.portion.slides.slide.percent_tumor_nuclei:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.
60.00	80.00	80.00	84.78	95.00	99.00

patient.samples.sample.portions.portion.slides.slide.section_location:

top

124

patient.samples.sample.portions.portion.weight:

20 30

2 122

patient.samples.sample.portions.portion.year_of_creation:

2013 2014

48 76

patient.samples.sample.portions.shipment_portion.center_id:

20 NA's

90 34

patient.samples.sample.portions.shipment_portion.is_ffpe:

no NA's

90 34

patient.samples.sample.portions.shipment_portion.plate_id:

a45r a45s NA's

81 9 34

patient.samples.sample.portions.shipment_portion.portion_number:

11 21 NA's

2 88 34

patient.samples.sample.portions.shipment_portion.portion_sequence:

2 NA's

17 107

patient.samples.sample.portions.shipment_portion.shipment_portion_day_of_shipmen

30 NA's

90 34

patient.samples.sample.portions.shipment_portion.shipment_portion_month_of_shipm

7 NA's

90 34

patient.samples.sample.portions.shipment_portion.shipment_portion_year_of_shipme

2014 NA's

90 34

patient.samples.sample.sample_type:

primary tumor

124

patient.samples.sample.sample_type_id:

1

124

```
patient.samples.sample.vial_number:
  a
  124
```

UCEC

Uterine Corpus Endometrial Carcinoma

Description

A document describing the TCGA cancer code

Details

```
> experiments( UCEC )
ExperimentList class object of length 13:
 [1] CNASeq-20160128: RaggedExperiment with 36400 rows and 213 columns
 [2] CNASNP-20160128: RaggedExperiment with 619412 rows and 1083 columns
 [3] CNVSNP-20160128: RaggedExperiment with 127094 rows and 1078 columns
 [4] GISTIC_AllByGene-20160128: SummarizedExperiment with 24776 rows and 539 col
 [5] GISTIC_ThresholdedByGene-20160128: SummarizedExperiment with 24776 rows and
 [6] Methylation_methyl27-20160128: SummarizedExperiment with 27578 rows and 118
 [7] Methylation_methyl450-20160128: SummarizedExperiment with 485577 rows and 4
 [8] miRNASeqGene-20160128: SummarizedExperiment with 1046 rows and 433 columns
 [9] mRNAArray-20160128: SummarizedExperiment with 17814 rows and 54 columns
 [10] Mutation-20160128: RaggedExperiment with 184861 rows and 248 columns
 [11] RNASeq2GeneNorm-20160128: SummarizedExperiment with 20501 rows and 380 col
 [12] RNASeqGene-20160128: SummarizedExperiment with 20502 rows and 269 columns
 [13] RPPAArray-20160128: SummarizedExperiment with 208 rows and 440 columns

> rownames( UCEC )
CharacterList of length 13
[["CNASeq-20160128"]] character(0)
[["CNASNP-20160128"]] character(0)
[["CNVSNP-20160128"]] character(0)
[["GISTIC_AllByGene-20160128"]] ACAP3 ACTRT2 ... WASIR1|ENSG00000185203.7
[["GISTIC_ThresholdedByGene-20160128"]] ACAP3 ... WASIR1|ENSG00000185203.7
[["Methylation_methyl27-20160128"]] cg00000292 cg00002426 ... cg27665659
[["Methylation_methyl450-20160128"]] cg00000029 cg00000108 ... rs9839873
[["miRNASeqGene-20160128"]] hsa-let-7a-1 hsa-let-7a-2 ... hsa-mir-99b
[["mRNAArray-20160128"]] ELMO2 CREB3L1 RPS11 PNMA1 ... SLC39A6 SNRPD2 AQP7 CTSC
[["Mutation-20160128"]] character(0)
...
<3 more elements>

> colnames( UCEC )
CharacterList of length 13
[["CNASeq-20160128"]] TCGA-A5-A0G5-01A-11D-A043-02 ...
[["CNASNP-20160128"]] TCGA-2E-A9G8-01A-11D-A402-01 ...
[["CNVSNP-20160128"]] TCGA-2E-A9G8-01A-11D-A402-01 ...
[["GISTIC_AllByGene-20160128"]] TCGA-2E-A9G8-01A-11D-A402-01 ...
```



```

[["GISTIC_ThresholdedByGene-20160128"]] TCGA-2E-A9G8-01A-11D-A402-01 ...
[["Methylation_methyl27-20160128"]] TCGA-A5-A0G2-01A-11D-A039-05 ...
[["Methylation_methyl450-20160128"]] TCGA-2E-A9G8-01A-11D-A409-05 ...
[["miRNASeqGene-20160128"]] TCGA-2E-A9G8-01A-11R-A404-13 ...
[["mRNAArray-20160128"]] TCGA-A5-A0G2-01A-11R-A040-07 ...
[["Mutation-20160128"]] TCGA-A5-A0G3-01A-11W-A062-09 ...
...
<3 more elements>

```

Sizes of each ExperimentList element:

	assay	size.Mb
1	CNASeq-20160128	1 Mb
2	CNASNP-20160128	16.8 Mb
3	CNVSNP-20160128	3.7 Mb
4	GISTIC_AllByGene-20160128	4.4 Mb
5	GISTIC_ThresholdedByGene-20160128	4.4 Mb
6	Methylation_methyl27-20160128	4.4 Mb
7	Methylation_methyl450-20160128	67.5 Mb
8	miRNASeqGene-20160128	0.1 Mb
9	mRNAArray-20160128	1Mb
10	Mutation-20160128	71.8 Mb
11	RNASeq2GeneNorm-20160128	1.1 Mb
12	RNASeqGene-20160128	1.1 Mb
13	RPPAArray-20160128	0.1 Mb

Available sample meta-data:

vital_status.x:

```

0 1
457 91

```

days_to_death:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
50.0	367.0	709.0	881.8	1063.0	3423.0	457

days_to_last_followup:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
-6.0	543.0	948.5	1195.1	1753.2	6859.0	92

tumor_tissue_site:

endometrial	other	specify
547		1

date_of_initial_pathologic_diagnosis:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1995	2007	2009	2009	2010	2013	9

days_to_last_known_alive:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
145	404	729	1405	2096	4144	535

radiation_therapy:

no	yes	NA's
295	228	25

histological_type:

endometrioid	endometrial adenocarcinoma	mixed serous and endometrioid
		22
		411
	serous endometrial adenocarcinoma	
		115

residual_tumor:

r0	r1	r2	rx	NA's
376	22	16	41	93

admin.bcr:

nationwide children's hospital
548

admin.day_of_dcc_upload:

1
548

admin.disease_code:

ucec
548

admin.month_of_dcc_upload:

10
548

admin.patient_withdrawal.withdrawn:

false
548

admin.project_code:

tcga
548

admin.year_of_dcc_upload:

2015
548

patient.additional_studies.additional_study.disease_code:

fppp	NA's
4	544

patient.additional_studies.additional_study.project_code:

tcga NA's
4 544

patient.age_at_initial_pathologic_diagnosis:
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
31.00 57.00 64.00 63.93 71.00 90.00 3

patient.aln_pos_ihc:
0 2 NA's
204 1 343

patient.aln_pos_light_micro:
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
0.0000 0.0000 0.0000 0.4031 0.0000 29.0000 228

patient.birth_control_pill_history_usage_category:
former user never used NA's
7 21 520

patient.clinical_cqcf.anatomic_neoplasm_subdivision:
endometrium fundus uteri
272 6
lower uterine segment/ isthmus uteri myometrium
3 1
NA's
266

patient.clinical_cqcf.consent_or_death_status:
consented deceased
542 6

patient.clinical_cqcf.country:
canada russia ukraine united states NA's
35 2 2 281 228

patient.clinical_cqcf.days_to_consent:
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
-731.0 9.0 20.0 116.3 42.0 5319.0 15

patient.clinical_cqcf.days_to_death:
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
189.0 287.8 416.5 590.5 823.5 1317.0 542

patient.clinical_cqcf.history_of_neoadjuvant_treatment:
no NA's
547 1

patient.clinical_cqcf.normal_tissue_proximity:
distal (>2cm) NA's

54 494

patient.clinical_cqcf.tumor_type:
 primary
 548

patient.colorectal_cancer:
 no yes NA's
 51 1 496

patient.day_of_form_completion:
 Min. 1st Qu. Median Mean 3rd Qu. Max.
 1.00 9.00 14.00 15.14 23.00 31.00

patient.days_to_birth:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 -32873 -26186 -23448 -23526 -20964 -11635 4

patient.days_to_death:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 50.0 326.0 590.0 737.4 946.0 3251.0 503

patient.days_to_initial_pathologic_diagnosis:
 0 NA's
 542 6

patient.days_to_last_followup:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 -13.0 179.8 408.5 705.3 1004.8 5691.0 46

patient.days_to_last_known_alive:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 145.0 426.5 863.0 1557.8 2589.5 4144.0 537

patient.diabetes:
 no yes NA's
 31 15 502

patient.drugs.drug.10.bcr_drug_barcode:
 tcga-bs-a0t9-d9201 NA's
 1 547

patient.drugs.drug.10.bcr_drug_uuid:
 67441c30-fdaf-49e6-aad8-e4d349c349ec NA's
 1 547

patient.drugs.drug.10.day_of_form_completion:
 19 NA's
 1 547

patient.drugs.drug.10.days_to_drug_therapy_end:
 1250 NA's

1 547

patient.drugs.drug.10.days_to_drug_therapy_start:
1163 NA's

1 547

patient.drugs.drug.10.drug_name:
gemzar NA's

1 547

patient.drugs.drug.10.month_of_form_completion:
11 NA's

1 547

patient.drugs.drug.10.number_cycles:
9 NA's

1 547

patient.drugs.drug.10.prescribed_dose:
1000 NA's

1 547

patient.drugs.drug.10.prescribed_dose_units:
mg/m2 NA's

1 547

patient.drugs.drug.10.regimen_indication:
progression NA's

1 547

patient.drugs.drug.10.regimen_number:
4 NA's

1 547

patient.drugs.drug.10.route_of_administrations.route_of_administration:
intravenous (iv) NA's

1 547

patient.drugs.drug.10.therapy_ongoing:
no NA's

1 547

patient.drugs.drug.10.therapy_types.therapy_type:
chemotherapy NA's

1 547

patient.drugs.drug.10.total_dose:
9000 NA's

1 547

patient.drugs.drug.10.total_dose_units:
mg/m2 NA's

1 547

patient.drugs.drug.10.year_of_form_completion:
2010 NA's

1 547

patient.drugs.drug.11.bcr_drug_barcode:
tcga-bs-a0t9-d9204 NA's

1 547

patient.drugs.drug.11.bcr_drug_uuid:
206c8c36-2556-4487-9710-60417cc2c5d3

1

NA's

547

patient.drugs.drug.11.day_of_form_completion:
19 NA's

1 547

patient.drugs.drug.11.days_to_drug_therapy_end:
1379 NA's

1 547

patient.drugs.drug.11.days_to_drug_therapy_start:
1309 NA's

1 547

patient.drugs.drug.11.drug_name:
taxol NA's

1 547

patient.drugs.drug.11.month_of_form_completion:
11 NA's

1 547

patient.drugs.drug.11.number_cycles:
8 NA's

1 547

patient.drugs.drug.11.prescribed_dose:
80 NA's

1 547

patient.drugs.drug.11.prescribed_dose_units:
mg/m2 NA's

1 547

patient.drugs.drug.11.regimen_indication:
progression NA's

1 547

patient.drugs.drug.11.regimen_number:
5 NA's

1 547

patient.drugs.drug.11.route_of_administrations.route_of_administration:
 intravenous (iv) NA's
 1 547

patient.drugs.drug.11.therapy_ongoing:
 no NA's
 1 547

patient.drugs.drug.11.therapy_types.therapy_type:
 chemotherapy NA's
 1 547

patient.drugs.drug.11.total_dose:
 640 NA's
 1 547

patient.drugs.drug.11.total_dose_units:
 mg/m2 NA's
 1 547

patient.drugs.drug.11.year_of_form_completion:
 2010 NA's
 1 547

patient.drugs.drug.2.clinical_trail_drug_classification:
 adjuvant NA's
 5 543

patient.drugs.drug.2.day_of_form_completion:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 1.00 9.00 17.00 16.13 23.00 31.00 379

patient.drugs.drug.2.days_to_drug_therapy_end:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 48.0 149.5 186.0 272.8 247.0 2566.0 404

patient.drugs.drug.2.days_to_drug_therapy_start:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 18.0 55.0 74.0 175.0 118.2 2419.0 388

patient.drugs.drug.2.measure_of_response:
 clinical progressive disease complete response
 8 44
 partial response stable disease
 1 1
 NA's
 494

```

patient.drugs.drug.2.month_of_form_completion:
  Min. 1st Qu.  Median    Mean 3rd Qu.  Max.  NA's
  1.000  4.000  5.000  6.373  9.000 12.000  379

patient.drugs.drug.2.number_cycles:
  Min. 1st Qu.  Median    Mean 3rd Qu.  Max.  NA's
  1.000  4.750  6.000  5.318  6.000 12.000  460

patient.drugs.drug.2.regimen_indication:
  adjuvant other: specify in notes  progression
      81                               3
recurrence                          NA's  3
      9                               452

patient.drugs.drug.2.regimen_indication_notes:
  mets to lung and brain
      1
  pt. request of less harsh therapy
      1
refractory neutropenia & thrompocytopenia
      1
      NA's
      545

patient.drugs.drug.2.regimen_number:
  1  2  3 NA's
  81  9  2  456

patient.drugs.drug.2.route_of_administrations.route_of_administration:
intravenous (iv)          oral          NA's
      85                   3             460

patient.drugs.drug.2.therapy_ongoing:
  no  yes NA's
  162  6  380

patient.drugs.drug.2.therapy_types.therapy_type:
  chemotherapy          hormone therapy
      160                4
targeted molecular therapy  NA's
      1                 383

patient.drugs.drug.2.therapy_types.therapy_type.2:
targeted molecular therapy  NA's
      1                 547

patient.drugs.drug.2.total_dose:
  Min. 1st Qu.  Median    Mean 3rd Qu.  Max.  NA's
  96    1372    2106    2570  2958 16560  481

```


patient.drugs.drug.2.total_dose_units:

[iu]/mg	mg	mg/m2	NA's
1	61	4	482

patient.drugs.drug.2.tx_on_clinical_trial:

no	yes	NA's
60	9	479

patient.drugs.drug.2.year_of_form_completion:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
2010	2011	2012	2012	2013	2015	379

patient.drugs.drug.3.clinical_trial_drug_classification:

adjuvant	NA's
4	544

patient.drugs.drug.3.day_of_form_completion:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1.0	10.0	18.5	16.6	23.0	31.0	488

patient.drugs.drug.3.days_to_drug_therapy_end:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
71.0	169.5	231.5	419.5	402.0	2566.0	500

patient.drugs.drug.3.days_to_drug_therapy_start:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
2.00	69.25	136.00	375.57	551.50	2419.00	490

patient.drugs.drug.3.measure_of_response:

clinical progressive disease	complete response
4	13
partial response	NA's
1	530

patient.drugs.drug.3.month_of_form_completion:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1.0	4.0	6.0	6.3	9.0	12.0	488

patient.drugs.drug.3.number_cycles:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
2.000	3.750	5.000	4.821	6.000	8.000	520

patient.drugs.drug.3.prescribed_dose:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
3.8	40.0	80.0	190.1	175.0	1600.0	519

patient.drugs.drug.3.regimen_indication:

adjuvant other: specify in notes							progression
14						3	7
recurrence						NA's	
7						517	

patient.drugs.drug.3.regimen_indication_notes:

mets to lung and brain				persistent			persistent lad
1				1			1
NA's							
545							

patient.drugs.drug.3.regimen_number:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1.000	1.000	1.000	1.821	2.000	5.000	520

patient.drugs.drug.3.route_of_administrations.route_of_administration:

intravenous (iv)		oral		NA's
28		1		519

patient.drugs.drug.3.therapy_ongoing:

no	yes	NA's
49	10	489

patient.drugs.drug.3.therapy_types.therapy_type:

chemotherapy		hormone therapy
53		2
targeted molecular therapy		NA's
2		491

patient.drugs.drug.3.total_dose:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
12.0	402.5	1012.0	1447.4	1987.5	6400.0	528

patient.drugs.drug.3.total_dose_units:

mg	mg/kg	mg/m2	NA's
18	1	1	528

patient.drugs.drug.3.tx_on_clinical_trial:

no	yes	NA's
21	8	519

patient.drugs.drug.3.year_of_form_completion:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
2010	2011	2012	2012	2013	2015	488

patient.drugs.drug.4.clinical_trail_drug_classification:

adjuvant		NA's
2		546

patient.drugs.drug.4.day_of_form_completion:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1.00	8.00	19.00	16.88	25.00	31.00	523

patient.drugs.drug.4.days_to_drug_therapy_end:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
67.0	150.5	428.0	636.5	841.0	2830.0	529

patient.drugs.drug.4.days_to_drug_therapy_start:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
18.0	87.0	373.0	523.0	580.5	2825.0	525

patient.drugs.drug.4.measure_of_response:
clinical progressive disease

						NA's
			3			545

patient.drugs.drug.4.month_of_form_completion:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
3.0	5.0	7.0	7.8	11.0	12.0	523

patient.drugs.drug.4.number_cycles:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1.000	3.000	6.000	6.533	7.000	29.000	533

patient.drugs.drug.4.prescribed_dose:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
4.00	41.25	88.00	144.71	175.00	550.00	534

patient.drugs.drug.4.prescribed_dose_units:

auc	mg	mg/m2	NA's
1	5	8	534

patient.drugs.drug.4.regimen_indication:

adjuvant	other: specify in notes	progression
5	1	2
recurrence		
8		

patient.drugs.drug.4.regimen_indication_notes:

mets to lung and brain	NA's
1	547

patient.drugs.drug.4.regimen_number:

1	2	3	NA's
6	7	2	533

patient.drugs.drug.4.route_of_administrations.route_of_administration:

intravenous (iv)	NA's
15	533

patient.drugs.drug.4.therapy_ongoing:

no	yes	NA's
----	-----	------

20 5 523

patient.drugs.drug.4.therapy_types.therapy_type:
 chemotherapy NA's
 24 524

patient.drugs.drug.4.total_dose:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 12 285 480 2103 1503 10300 537

patient.drugs.drug.4.total_dose_units:
 mg mg/m2 NA's
 8 3 537

patient.drugs.drug.4.tx_on_clinical_trial:
 no yes NA's
 6 3 539

patient.drugs.drug.4.year_of_form_completion:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 2010 2011 2011 2012 2012 2015 523

patient.drugs.drug.5.clinical_trial_drug_classification:
 adjuvant NA's
 1 547

patient.drugs.drug.5.day_of_form_completion:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 5.00 13.25 18.00 17.08 22.00 29.00 536

patient.drugs.drug.5.days_to_drug_therapy_end:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 104.0 159.5 267.0 802.7 1062.5 2985.0 537

patient.drugs.drug.5.days_to_drug_therapy_start:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 18.0 54.0 218.0 708.1 988.5 2916.0 537

patient.drugs.drug.5.measure_of_response:
 clinical progressive disease NA's
 3 545

patient.drugs.drug.5.month_of_form_completion:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 3.000 4.750 6.000 7.333 11.000 12.000 536

patient.drugs.drug.5.number_cycles:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 2.000 3.000 5.000 4.714 6.000 8.000 541

patient.drugs.drug.5.prescribed_dose:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
5.0	60.0	80.0	148.6	142.5	550.0	541

patient.drugs.drug.5.prescribed_dose_units:

auc	mg	mg/m2	NA's
1	3	3	541

patient.drugs.drug.5.regimen_indication:

adjuvant	other: specify in notes	progression
4		1
recurrence		NA's
2		540

patient.drugs.drug.5.regimen_indication_notes:

mets to lung and brain	NA's
1	547

patient.drugs.drug.5.regimen_number:

1	2	3	NA's
3	3	1	541

patient.drugs.drug.5.route_of_administrations.route_of_administration:

intravenous (iv)	NA's
7	541

patient.drugs.drug.5.therapy_ongoing:

no	yes	NA's
11	1	536

patient.drugs.drug.5.therapy_types.therapy_type:

chemotherapy	NA's
12	536

patient.drugs.drug.5.total_dose:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
240	575	1285	1334	2051	2550	542

patient.drugs.drug.5.total_dose_units:

mg	mg/m2	NA's
4	2	542

patient.drugs.drug.5.tx_on_clinical_trial:

no	yes	NA's
3	1	544

patient.drugs.drug.5.year_of_form_completion:

2010	2011	2012	2015	NA's
2	5	4	1	536

patient.drugs.drug.6.clinical_trail_drug_classification:
 adjuvant adjuvant NA's
 1 1 546

patient.drugs.drug.6.day_of_form_completion:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 11.00 15.25 20.00 20.17 25.50 29.00 542

patient.drugs.drug.6.days_to_drug_therapy_end:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 152 185 1379 1247 1431 3090 543

patient.drugs.drug.6.days_to_drug_therapy_start:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 13.0 106.2 730.5 995.8 1354.0 3041.0 542

patient.drugs.drug.6.drug_name:
 carboplatin paclitaxel topotecan NA's
 3 1 2 542

patient.drugs.drug.6.measure_of_response:
 clinical progressive disease NA's
 2 546

patient.drugs.drug.6.month_of_form_completion:
 5 7 11 NA's
 2 2 2 542

patient.drugs.drug.6.number_cycles:
 5 8 NA's
 1 1 546

patient.drugs.drug.6.prescribed_dose:
 6 167 NA's
 1 1 546

patient.drugs.drug.6.prescribed_dose_units:
 auc mg NA's
 1 1 546

patient.drugs.drug.6.regimen_indication:
 adjuvant progression NA's
 1 1 546

patient.drugs.drug.6.regimen_number:
 2 5 NA's
 1 1 546

patient.drugs.drug.6.route_of_administrations.route_of_administration:
 intravenous (iv) NA's
 2 546

patient.drugs.drug.6.therapy_ongoing:

no	yes	NA's
5	1	542

patient.drugs.drug.6.therapy_types.therapy_type:

chemotherapy	NA's
6	542

patient.drugs.drug.6.total_dose:

1336	2730	NA's
1	1	546

patient.drugs.drug.6.total_dose_units:

mg	NA's
2	546

patient.drugs.drug.6.tx_on_clinical_trial:

no	yes	NA's
2	2	544

patient.drugs.drug.6.year_of_form_completion:

2010	2011	2012	2015	NA's
1	1	2	2	542

patient.drugs.drug.7.bcr_drug_barcode:

tcga-bs-a0t9-d9199	tcga-d1-a16g-d18571	NA's
1	1	546

patient.drugs.drug.7.bcr_drug_uuid:

a18b297e-2a43-4df5-abc9-8a21110da904	fb52775e-0e9b-45ca-b849-fba324fb71e9
1	1
NA's	
546	

patient.drugs.drug.7.day_of_form_completion:

19	26	NA's
1	1	546

patient.drugs.drug.7.days_to_drug_therapy_end:

756	1243	NA's
1	1	546

patient.drugs.drug.7.days_to_drug_therapy_start:

651	1072	NA's
1	1	546

patient.drugs.drug.7.drug_name:

carboplatin	gemcitabine	NA's
1	1	546

patient.drugs.drug.7.month_of_form_completion:

```

11 NA's
2 546

patient.drugs.drug.7.number_cycles:
4 6 NA's
1 1 546

patient.drugs.drug.7.prescribed_dose:
5 2000 NA's
1 1 546

patient.drugs.drug.7.prescribed_dose_units:
auc mg/m2 NA's
1 1 546

patient.drugs.drug.7.regimen_indication:
progression recurrence NA's
1 1 546

patient.drugs.drug.7.regimen_number:
3 NA's
2 546

patient.drugs.drug.7.route_of_administrations.route_of_administration:
intravenous (iv) NA's
2 546

patient.drugs.drug.7.therapy_ongoing:
no NA's
2 546

patient.drugs.drug.7.therapy_types.therapy_type:
chemotherapy NA's
2 546

patient.drugs.drug.7.total_dose:
2770 8000 NA's
1 1 546

patient.drugs.drug.7.total_dose_units:
mg mg/m2 NA's
1 1 546

patient.drugs.drug.7.year_of_form_completion:
2010 2011 NA's
1 1 546

patient.drugs.drug.8.bcr_drug_barcode:
tcga-bs-a0t9-d9200 NA's
1 547

patient.drugs.drug.8.bcr_drug_uuid:

```


48905b00-83fe-4cf2-9a40-d8feef537236

NA's

1

547

patient.drugs.drug.8.day_of_form_completion:

19 NA's

1 547

patient.drugs.drug.8.days_to_drug_therapy_end:

1243 NA's

1 547

patient.drugs.drug.8.days_to_drug_therapy_start:

1156 NA's

1 547

patient.drugs.drug.8.drug_name:

cisplatin NA's

1 547

patient.drugs.drug.8.month_of_form_completion:

11 NA's

1 547

patient.drugs.drug.8.number_cycles:

6 NA's

1 547

patient.drugs.drug.8.prescribed_dose:

50 NA's

1 547

patient.drugs.drug.8.prescribed_dose_units:

mg/m2 NA's

1 547

patient.drugs.drug.8.regimen_indication:

progression NA's

1 547

patient.drugs.drug.8.regimen_number:

4 NA's

1 547

patient.drugs.drug.8.route_of_administrations.route_of_administration:

intravenous (iv) NA's

1 547

patient.drugs.drug.8.therapy_ongoing:

no NA's

1 547

patient.drugs.drug.8.therapy_types.therapy_type:

chemotherapy		NA's	
	1	547	
patient.drugs.drug.8.total_dose:			
	300	NA's	
	1	547	
patient.drugs.drug.8.total_dose_units:			
mg/m2		NA's	
	1	547	
patient.drugs.drug.8.year_of_form_completion:			
	2010	NA's	
	1	547	
patient.drugs.drug.9.bcr_drug_barcode:			
tcga-bs-a0t9-d9198		NA's	
	1	547	
patient.drugs.drug.9.bcr_drug_uuid:			
54c38de3-026d-4cec-9c6a-d9e4c807ea68		NA's	
	1	547	
patient.drugs.drug.9.day_of_form_completion:			
	19	NA's	
	1	547	
patient.drugs.drug.9.days_to_drug_therapy_end:			
	1243	NA's	
	1	547	
patient.drugs.drug.9.days_to_drug_therapy_start:			
	1072	NA's	
	1	547	
patient.drugs.drug.9.drug_name:			
cisplatin		NA's	
	1	547	
patient.drugs.drug.9.month_of_form_completion:			
	11	NA's	
	1	547	
patient.drugs.drug.9.number_cycles:			
	9	NA's	
	1	547	
patient.drugs.drug.9.prescribed_dose:			
	50	NA's	
	1	547	
patient.drugs.drug.9.prescribed_dose_units:			

mg/m2 NA's
1 547

patient.drugs.drug.9.regimen_indication:
progression NA's
1 547

patient.drugs.drug.9.regimen_number:
3 NA's
1 547

patient.drugs.drug.9.route_of_administrations.route_of_administration:
intravenous (iv) NA's
1 547

patient.drugs.drug.9.therapy_ongoing:
no NA's
1 547

patient.drugs.drug.9.therapy_types.therapy_type:
chemotherapy NA's
1 547

patient.drugs.drug.9.total_dose:
200 NA's
1 547

patient.drugs.drug.9.total_dose_units:
mg/m2 NA's
1 547

patient.drugs.drug.9.year_of_form_completion:
2010 NA's
1 547

patient.drugs.drug.clinical_trail_drug_classification:
radiation alone NA's
1 547

patient.drugs.drug.day_of_form_completion:
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
1.00 9.00 17.00 15.69 23.00 31.00 347

patient.drugs.drug.days_to_drug_therapy_end:
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
49.0 151.0 189.0 287.6 250.5 3411.0 381

patient.drugs.drug.days_to_drug_therapy_start:
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
25.00 59.75 80.00 193.97 121.50 2419.00 360

patient.drugs.drug.measure_of_response:

clinical progressive disease		complete response	
	7		53
partial response		stable disease	
	2		3
NA's			
	483		

patient.drugs.drug.month_of_form_completion:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1.000	4.000	5.000	6.154	9.000	12.000	347

patient.drugs.drug.number_cycles:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1.000	3.000	6.000	4.654	6.000	12.000	447

patient.drugs.drug.regimen_indication:

adjuvant other: specify in notes		progression
	102	2
recurrence		NA's
	15	427

patient.drugs.drug.regimen_indication_notes:

mets to lung and brain		persistent	
	1		1
			NA's
			546

patient.drugs.drug.regimen_number:

1	2	3	5	NA's
105	10	1	1	431

patient.drugs.drug.route_of_administrations.route_of_administration:

intramuscular (im)		intravenous (iv)		oral		NA's
	1		89		13	445

patient.drugs.drug.therapy_ongoing:

no	yes	NA's
189	6	353

patient.drugs.drug.therapy_types.therapy_type:

chemotherapy		hormone therapy
	178	15
other, specify	targeted	molecular therapy
	1	1
NA's		
	353	

patient.drugs.drug.therapy_types.therapy_type_notes:

investigational new drug		NA's
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1 547

patient.drugs.drug.total_dose:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
120	945	1698	2782	2276	53440	474

patient.drugs.drug.total_dose_units:

[iu]/mg	mg	mg/day	mg/m2	NA's
1	71	1	2	473

patient.drugs.drug.tx_on_clinical_trial:

no	yes	NA's
70	5	473

patient.drugs.drug.year_of_form_completion:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
2005	2011	2011	2012	2013	2015	347

patient.ethnicity:

hispanic or latino	not hispanic or latino	NA's
15	377	156

patient.follow_ups.follow_up.2.additional_pharmaceutical_therapy:

yes	NA's
2	546

patient.follow_ups.follow_up.2.additional_radiation_therapy:

no	NA's
2	546

patient.follow_ups.follow_up.2.additional_surgery_locoregional_procedure:

yes	NA's
2	546

patient.follow_ups.follow_up.2.additional_treatment_completion_success_outcome:

complete response	progressive disease	stable disease	NA's
153	22	5	368

patient.follow_ups.follow_up.2.birth_control_pill_history_usage_category:

former user	never used	NA's
19	51	478

patient.follow_ups.follow_up.2.colorectal_cancer:

no	NA's
102	446

patient.follow_ups.follow_up.2.day_of_form_completion:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1.0	6.0	19.0	16.9	27.0	31.0	341

patient.follow_ups.follow_up.2.days_to_additional_surgery_metastatic_procedure:
 150 704 NA's
 1 1 546

patient.follow_ups.follow_up.2.days_to_death:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 326.0 684.0 963.5 1179.4 1179.5 3423.0 526

patient.follow_ups.follow_up.2.days_to_last_followup:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 327.0 973.5 1497.0 1652.4 2194.5 6859.0 365

patient.follow_ups.follow_up.2.days_to_new_tumor_event_after_initial_treatment:
 529 705 NA's
 1 1 546

patient.follow_ups.follow_up.2.diabetes:
 no yes NA's
 67 25 456

patient.follow_ups.follow_up.2.followup_case_report_form_submission_reason:
 additional new tumor event scheduled follow-up submission
 2 30
 NA's
 516

patient.follow_ups.follow_up.2.horm_ther:
 no, i have never taken menopausal hormone therapy.
 70
 yes, i have taken menopausal hormone therapy in the past, but no longer do.
 16
 NA's
 462

patient.follow_ups.follow_up.2.hypertension:
 no yes NA's
 43 60 445

patient.follow_ups.follow_up.2.lost_follow_up:
 no yes NA's
 139 14 395

patient.follow_ups.follow_up.2.month_of_form_completion:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 1.000 3.000 5.000 6.266 10.000 12.000 341

patient.follow_ups.follow_up.2.new_neoplasm_event_occurrence_anatomic_site:
 lung other, specify NA's
 1 1 546

patient.follow_ups.follow_up.2.new_neoplasm_event_type:
 locoregional disease metastatic NA's

	1		1	546
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patient.follow_ups.follow_up.2.new_neoplasm_occurrence_anatomic_site_text:
diffuse carcinomatosis NA's
1 547

patient.follow_ups.follow_up.2.new_tumor_event_after_initial_treatment:
no yes NA's
52 2 494

patient.follow_ups.follow_up.2.new_tumor_events.new_tumor_event.2.additional_ph
yes NA's
1 547

patient.follow_ups.follow_up.2.new_tumor_events.new_tumor_event.2.additional_rad
no yes NA's
1 1 546

patient.follow_ups.follow_up.2.new_tumor_events.new_tumor_event.2.days_to_new_tu
413 743 767 NA's
1 1 1 545

patient.follow_ups.follow_up.2.new_tumor_events.new_tumor_event.2.new_neoplasm_e
lung other, specify NA's
1 2 545

patient.follow_ups.follow_up.2.new_tumor_events.new_tumor_event.2.new_neoplasm_e
distant metastasis locoregional recurrence NA's
2 1 545

patient.follow_ups.follow_up.2.new_tumor_events.new_tumor_event.2.new_neoplasm_o
abdomen- multiple sites of metastatic disease
1
pelvic lns
1
NA's
546

patient.follow_ups.follow_up.2.new_tumor_events.new_tumor_event.2.new_tumor_eve
no NA's
3 545

patient.follow_ups.follow_up.2.new_tumor_events.new_tumor_event.3.additional_rad
yes NA's
1 547

patient.follow_ups.follow_up.2.new_tumor_events.new_tumor_event.3.days_to_new_tu
575 743 NA's
1 1 546

patient.follow_ups.follow_up.2.new_tumor_events.new_tumor_event.3.new_neoplasm_e
bone other, specify NA's

	1	1	546				
patient.follow_ups.follow_up.2.new_tumor_events.new_tumor_event.3.new_neoplasm_e							
distant metastasis locoregional recurrence				NA's			
	1	1		546			
patient.follow_ups.follow_up.2.new_tumor_events.new_tumor_event.3.new_neoplasm_o							
vaginal apex	NA's						
	1	547					
patient.follow_ups.follow_up.2.new_tumor_events.new_tumor_event.3.new_tumor_event							
no NA's							
	2	546					
patient.follow_ups.follow_up.2.new_tumor_events.new_tumor_event.additional_pharm							
no yes NA's							
	8	9	531				
patient.follow_ups.follow_up.2.new_tumor_events.new_tumor_event.additional_radia							
no yes NA's							
	11	4	533				
patient.follow_ups.follow_up.2.new_tumor_events.new_tumor_event.days_to_new_tumo							
517 810 1178 2111 NA's							
	1	1	1	544			
patient.follow_ups.follow_up.2.new_tumor_events.new_tumor_event.days_to_new_tumo							
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's							
	70.0	613.0	804.0	941.2	1105.0	2277.0	527
patient.follow_ups.follow_up.2.new_tumor_events.new_tumor_event.new_neoplasm_eve							
brain liver lung other, specify NA's							
	1	1	4	14			528
patient.follow_ups.follow_up.2.new_tumor_events.new_tumor_event.new_neoplasm_eve							
distant metastasis locoregional recurrence new primary tumor							
		5	12				4
		NA's					
		527					
patient.follow_ups.follow_up.2.new_tumor_events.new_tumor_event.new_tumor_event							
no yes NA's							
	12	5	531				
patient.follow_ups.follow_up.2.new_tumor_events.new_tumor_event.recurrence_secon							
excisional biopsy other method, specify below							
		1				4	
surgical resection						NA's	
		3				540	
patient.follow_ups.follow_up.2.new_tumor_events.new_tumor_event.recurrence_secon							

total pelvis exenteration, mobilation of the splenic flexure, and sigmoid colostomy

patient.follow_ups.follow_up.2.new_tumor_events.new_tumor_event.residual_disease
 r0 NA's
 1 547

patient.follow_ups.follow_up.2.new_tumor_events.new_tumor_event_after_initial_treatment
 no yes NA's
 116 23 409

patient.follow_ups.follow_up.2.person_neoplasm_cancer_status:
 tumor free with tumor NA's
 152 20 376

patient.follow_ups.follow_up.2.postoperative_rx_tx:
 no yes NA's
 85 61 402

patient.follow_ups.follow_up.2.primary_therapy_outcome_success:
 complete remission/response progressive disease
 120 3
 stable disease NA's
 4 421

patient.follow_ups.follow_up.2.prior_tamoxifen_administered_usage_category:
 current user former user never used NA's
 1 1 77 469

patient.follow_ups.follow_up.2.radiation_therapy:
 no yes NA's
 117 83 348

patient.follow_ups.follow_up.2.recurrence_second_surgery_neoplasm_surgical_procedure
 surgical resection NA's
 2 546

patient.follow_ups.follow_up.2.targeted_molecular_therapy:
 no yes NA's
 46 7 495

patient.follow_ups.follow_up.2.vital_status:
 alive dead NA's

182 22 344

patient.follow_ups.follow_up.2.year_of_form_completion:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
2011	2012	2014	2013	2015	2015	341

patient.follow_ups.follow_up.3.additional_treatment_completion_success_outcome:

complete response	progressive disease	NA's
8	1	539

patient.follow_ups.follow_up.3.birth_control_pill_history_usage_category:

former user	never used	NA's
2	3	543

patient.follow_ups.follow_up.3.colorectal_cancer:

no	yes	NA's
4	1	543

patient.follow_ups.follow_up.3.day_of_form_completion:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
7	14	17	17	20	27	538

patient.follow_ups.follow_up.3.days_to_death:

875	1858	NA's
1	1	546

patient.follow_ups.follow_up.3.days_to_last_followup:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1153	1621	1792	2171	2801	3762	540

patient.follow_ups.follow_up.3.diabetes:

no	NA's
4	544

patient.follow_ups.follow_up.3.horm_ther:

no, i have never taken menopausal hormone therapy.

4
NA's
544

patient.follow_ups.follow_up.3.hypertension:

no	yes	NA's
2	2	544

patient.follow_ups.follow_up.3.lost_follow_up:

no	NA's
10	538

patient.follow_ups.follow_up.3.month_of_form_completion:

2	7	8	11	NA's
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1 3 2 4 538

patient.follow_ups.follow_up.3.new_tumor_events.new_tumor_event.days_to_new_tumor_event
961 NA's
1 547

patient.follow_ups.follow_up.3.new_tumor_events.new_tumor_event.days_to_new_tumor_event
158 961 NA's
1 1 546

patient.follow_ups.follow_up.3.new_tumor_events.new_tumor_event.new_neoplasm_event
other, specify NA's
1 547

patient.follow_ups.follow_up.3.new_tumor_events.new_tumor_event.new_neoplasm_event
new primary tumor NA's
1 547

patient.follow_ups.follow_up.3.new_tumor_events.new_tumor_event.new_neoplasm_event
rectum NA's
1 547

patient.follow_ups.follow_up.3.new_tumor_events.new_tumor_event.new_tumor_event
yes NA's
1 547

patient.follow_ups.follow_up.3.new_tumor_events.new_tumor_event_after_initial_treatment
no yes NA's
7 2 539

patient.follow_ups.follow_up.3.person_neoplasm_cancer_status:
tumor free with tumor NA's
8 2 538

patient.follow_ups.follow_up.3.postoperative_rx_tx:
no yes NA's
6 3 539

patient.follow_ups.follow_up.3.pregnancies:
2 4+ NA's
2 2 544

patient.follow_ups.follow_up.3.primary_therapy_outcome_success:
complete remission/response NA's
5 543

patient.follow_ups.follow_up.3.prior_tamoxifen_administered_usage_category:
never used NA's
5 543

patient.follow_ups.follow_up.3.radiation_therapy:
no yes NA's

4 6 538

patient.follow_ups.follow_up.3.vital_status:

alive dead NA's
8 2 538

patient.follow_ups.follow_up.3.year_of_form_completion:

2014 2015 NA's
9 1 538

patient.follow_ups.follow_up.additional_pharmaceutical_therapy:

no yes NA's
21 36 491

patient.follow_ups.follow_up.additional_radiation_therapy:

no yes NA's
32 25 491

patient.follow_ups.follow_up.additional_surgery_locoregional_procedure:

no yes NA's
42 22 484

patient.follow_ups.follow_up.additional_treatment_completion_success_outcome:

complete response	partial response	progressive disease	stable disease
322	11	48	9
NA's			
158			

patient.follow_ups.follow_up.birth_control_pill_history_usage_category:

current user	former user	never used	NA's
1	63	138	346

patient.follow_ups.follow_up.colorectal_cancer:

no yes NA's
450 3 95

patient.follow_ups.follow_up.day_of_form_completion:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1.00	8.00	17.00	16.04	23.00	31.00	13

patient.follow_ups.follow_up.days_to_additional_surgery_metastatic_procedure:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
12.0	344.0	585.0	576.9	792.0	1374.0	527

patient.follow_ups.follow_up.days_to_death:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
50.0	326.0	616.0	818.8	1045.0	3423.0	483

patient.follow_ups.follow_up.days_to_last_followup:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
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-6.0 428.0 681.0 936.2 1215.0 5835.0 79

patient.follow_ups.follow_up.days_to_last_known_alive:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 394 729 1634 1867 3083 4144 539

patient.follow_ups.follow_up.days_to_new_tumor_event_after_initial_treatment:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 12.0 302.5 437.5 529.9 687.8 1940.0 482

patient.follow_ups.follow_up.diabetes:
 no yes NA's
 302 118 128

patient.follow_ups.follow_up.followup_case_report_form_submission_reason:
 additional tumor event scheduled follow-up submission
 3 257
 NA's
 288

patient.follow_ups.follow_up.horm_ther:
 no, i have never taken menopausal hormone therapy. 273
 yes, i am currently taking menopausal hormone therapy. 5
 yes, i have taken menopausal hormone therapy in the past, but no longer do. 40
 NA's
 230

patient.follow_ups.follow_up.hypertension:
 no yes NA's
 183 271 94

patient.follow_ups.follow_up.lost_follow_up:
 no yes NA's
 132 25 391

patient.follow_ups.follow_up.month_of_form_completion:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 1.000 3.000 6.000 6.587 10.000 12.000 13

patient.follow_ups.follow_up.new_neoplasm_event_type:
 locoregional disease metastatic new primary tumor
 12 27 4
 NA's
 505

patient.follow_ups.follow_up.new_tumor_event_after_initial_treatment:
 no yes NA's

224 44 280

patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.2.additional_pharm
yes NA's
2 546

patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.2.additional_radia
no yes NA's
1 1 546

patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.2.days_to_new_tumo
271 606 NA's
1 1 546

patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.2.days_to_new_tumo
257 606 1232 NA's
1 1 1 545

patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.2.new_neoplasm_eve
other, specify NA's
3 545

patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.2.new_neoplasm_eve
distant metastasis locoregional recurrence new primary tumor
1 1 1
NA's
545

patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.2.new_neoplasm_occ
omentum right breast thoracic, mediastin NA's
1 1 1 545

patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.2.new_tumor_event_
yes NA's
2 546

patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.2.recurrence_secon
incisional biopsy other method, specify below
1 1
NA's
546

patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.2.recurrence_secon
tumor debulking NA's
1 547

patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.2.residual_disease
r2 NA's
1 547

patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.additional_pharmac
no yes NA's

5 14 529

patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.additional_radiati
no yes NA's
11 5 532

patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.days_to_new_tumor_
306 517 606 1122 NA's
1 1 1 1 544

patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.days_to_new_tumor_
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
131.0 367.0 452.0 631.3 573.0 2706.0 524

patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.new_neoplasm_event
distant metastasis locoregional recurrence new primary tumor
7 15 1
NA's
525

patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.new_tumor_event_ad
no yes NA's
14 4 530

patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.recurrence_second_
excisional biopsy other method, specify below
2 3
surgical resection NA's
1 542

patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.recurrence_second_
6 cycles chemotherapy tumor debulking whole pelvic radiation
1 1 1
NA's
545

patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.residual_disease_p
r0 r2 NA's
2 1 545

patient.follow_ups.follow_up.new_tumor_events.new_tumor_event_after_initial_trea
no yes NA's
115 24 409

patient.follow_ups.follow_up.person_neoplasm_cancer_status:
tumor free with tumor NA's
402 77 69

patient.follow_ups.follow_up.postoperative_rx_tx:
no yes NA's

80 58 410

patient.follow_ups.follow_up.primary_therapy_outcome_success:

complete remission/response	421	partial remission/response	10
progressive disease	20	stable disease	7
NA's	90		

patient.follow_ups.follow_up.prior_tamoxifen_administered_usage_category:

current user	former user	never used	NA's
1	7	351	189

patient.follow_ups.follow_up.radiation_therapy:

no	yes	NA's
275	239	34

patient.follow_ups.follow_up.recurrence_second_surgery_neoplasm_surgical_procedure:

excisional biopsy	4	other method, specify below	10
surgical resection	13	NA's	521

patient.follow_ups.follow_up.residual_disease_post_new_tumor_event_margin_status:

r0	r2	rx	NA's
9	5	4	530

patient.follow_ups.follow_up.targeted_molecular_therapy:

no	yes	NA's
244	134	170

patient.follow_ups.follow_up.vital_status:

alive	dead	NA's
468	65	15

patient.follow_ups.follow_up.year_of_form_completion:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
2010	2011	2012	2012	2012	2015	13

patient.gender:

female
548

patient.height:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
66.0	157.0	161.0	161.2	166.0	183.0	29

patient.histological_type:

endometrioid	endometrial adenocarcinoma	mixed serous and endometrioid
--------------	----------------------------	-------------------------------

411
 serous endometrial adenocarcinoma
 115

patient.history_of_neoadjuvant_treatment:
 no yes
 546 2

patient.horm_ther:
 no, i have never taken menopausal hormone therapy. 28
 yes, i have taken menopausal hormone therapy in the past, but no longer do. 1
 NA's 519

patient.hypertension:
 no yes NA's
 15 31 502

patient.icd_10:
 c54.0 c54.1 c54.3 c54.9
 2 539 3 4

patient.icd_o_3_site:
 c54.0 c54.1 c54.3 c54.9
 2 539 3 4

patient.informed_consent_verified:
 yes
 548

patient.menopause_status:
 indeterminate (neither pre or post)
 peri (6-12 months since last menstruation)
 post (prior bilateral ovariectomy or >12 mo since lmp with no prior h
 pre (<6 months since lmp and no prior bilateral ovariectomy and not on estrogen

patient.month_of_form_completion:
 Min. 1st Qu. Median Mean 3rd Qu. Max.
 1.00 3.00 5.00 6.06 9.00 12.00

patient.neoplasm_histologic_grade:

g1	g2	g3	high grade
99	122	316	11

patient.new_tumor_events.new_tumor_event.2.additional_pharmaceutical_therapy:
 yes NA's
 2 546

patient.new_tumor_events.new_tumor_event.2.additional_radiation_therapy:
 no NA's
 2 546

patient.new_tumor_events.new_tumor_event.2.days_to_new_tumor_event_after_initial
 321 661 NA's
 1 1 546

patient.new_tumor_events.new_tumor_event.2.new_neoplasm_event_occurrence_anatomic
 other, specify NA's
 2 546

patient.new_tumor_events.new_tumor_event.2.new_neoplasm_event_type:
 distant metastasis NA's
 2 546

patient.new_tumor_events.new_tumor_event.2.new_neoplasm_occurrence_anatomic_site
 abdominal carcinomatosis NA's
 2 546

patient.new_tumor_events.new_tumor_event.2.new_tumor_event_additional_surgery_pr
 no NA's
 2 546

patient.new_tumor_events.new_tumor_event.additional_pharmaceutical_therapy:
 yes NA's
 5 543

patient.new_tumor_events.new_tumor_event.additional_radiation_therapy:
 no yes NA's
 3 1 544

patient.new_tumor_events.new_tumor_event.days_to_new_tumor_event_additional_surg
 396 517 NA's
 1 1 546

patient.new_tumor_events.new_tumor_event.days_to_new_tumor_event_after_initial_t
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 321.0 335.0 407.0 448.2 517.0 661.0 543

patient.new_tumor_events.new_tumor_event.new_neoplasm_event_occurrence_anatomic_
 liver other, specify NA's
 2 2 544

patient.new_tumor_events.new_tumor_event.new_neoplasm_event_type:

distant metastasis	locoregional	recurrence		NA's
	2		3	543

patient.new_tumor_events.new_tumor_event.new_neoplasm_occurrence_anatomic_site_t
abdominal wall retroperitoneal ln; vulvar mass

	1	1
	NA's	
	546	

patient.new_tumor_events.new_tumor_event.new_tumor_event_additional_surgery_pro
no yes NA's

3	2	543
---	---	-----

patient.new_tumor_events.new_tumor_event.recurrence_second_surgery_neoplasm_surg
other method, specify below surgical resection

	1	1
	NA's	
	546	

patient.new_tumor_events.new_tumor_event.recurrence_second_surgery_neoplasm_surg
excisional biopsy NA's

1	547
---	-----

patient.new_tumor_events.new_tumor_event.residual_disease_post_new_tumor_event_m
r0 NA's

1	547
---	-----

patient.new_tumor_events.new_tumor_event_after_initial_treatment:
no yes NA's

51	5	492
----	---	-----

patient.pct_tumor_invasion:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0.00	13.00	40.00	41.86	60.50	280.00	73

patient.peritoneal_wash:

negative	positive	NA's
353	58	137

patient.person_neoplasm_cancer_status:

tumor free	with tumor	NA's
431	79	38

patient.pln_pos_ihc:

0	1	2	4	NA's
236	2	2	1	307

patient.pln_pos_light_micro:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0.0000	0.0000	0.0000	0.4822	0.0000	15.0000	154

patient.postoperative_rx_tx:

no	yes	NA's
27	23	498

patient.primary_therapy_outcome_success:

complete remission/response	partial remission/response
34	2
progressive disease	stable disease
3	2
NA's	
507	

patient.prior_dx:

no	yes
501	47

patient.prior_tamoxifen_administered_usage_category:

never used	NA's
45	503

patient.radiation_therapy:

no	yes	NA's
19	31	498

patient.radiations.radiation.2.course_number:

1	2	NA's
26	7	515

patient.radiations.radiation.2.day_of_form_completion:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1.0	10.0	17.0	16.6	23.0	31.0	495

patient.radiations.radiation.2.days_to_radiation_therapy_end:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
64.0	136.2	216.0	360.8	262.2	2752.0	496

patient.radiations.radiation.2.days_to_radiation_therapy_start:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
50.0	118.0	182.0	339.8	234.5	2718.0	497

patient.radiations.radiation.2.measure_of_response:

complete response	partial response
15	1
radiographic progressive disease	stable disease
1	1
NA's	
530	

patient.radiations.radiation.2.month_of_form_completion:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 1.000 4.000 5.000 6.302 9.000 12.000 495

patient.radiations.radiation.2.numfractions:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 1.00 3.00 22.00 15.09 25.00 33.00 504

patient.radiations.radiation.2.radiation_dosage:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 10 1500 4500 3165 4500 6100 502

patient.radiations.radiation.2.radiation_treatment_ongoing:
 no NA's
 53 495

patient.radiations.radiation.2.radiation_type_notes:
 gamma knife NA's
 1 547

patient.radiations.radiation.2.regimen_indication:
 adjuvant other: specify in notes palliative
 24 1 4
 recurrence NA's
 4 515

patient.radiations.radiation.2.regimen_indication_notes:
 mets to brain NA's
 1 547

patient.radiations.radiation.2.units:
 cgy gy NA's
 43 3 502

patient.radiations.radiation.2.year_of_form_completion:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 2010 2011 2012 2012 2013 2015 495

patient.radiations.radiation.3.anatomic_treatment_site:
 distant recurrence distant site primary tumor field regional site
 3 1 1 4
 NA's
 539

patient.radiations.radiation.3.course_number:
 1 2 NA's
 6 2 540

patient.radiations.radiation.3.day_of_form_completion:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 13.00 17.00 23.00 21.44 25.00 31.00 539

patient.radiations.radiation.3.days_to_radiation_therapy_end:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 106.0 159.0 246.0 377.1 534.0 1079.0 539

patient.radiations.radiation.3.days_to_radiation_therapy_start:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 74.0 134.0 244.0 359.2 517.0 1079.0 539

patient.radiations.radiation.3.month_of_form_completion:
 2 5 9 11 NA's
 1 4 2 2 539

patient.radiations.radiation.3.numfractions:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 1.00 3.00 12.50 12.50 20.75 25.00 540

patient.radiations.radiation.3.radiation_dosage:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 540 3000 3960 4249 5500 8400 539

patient.radiations.radiation.3.radiation_treatment_ongoing:
 no NA's
 9 539

patient.radiations.radiation.3.radiation_type:
 external external beam other: specify in notes
 1 7 1
 NA's
 539

patient.radiations.radiation.3.radiation_type_notes:
 radiosurgery NA's
 1 547

patient.radiations.radiation.3.regimen_indication:
 adjuvant progression recurrence NA's
 5 1 2 540

patient.radiations.radiation.3.units:
 cgy NA's
 9 539

patient.radiations.radiation.3.year_of_form_completion:
 2010 2011 2012 2013 NA's
 3 4 1 1 539

patient.radiations.radiation.4.anatomic_treatment_site:
 distant recurrence local recurrence primary tumor field regional site

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1 1 1 1
NA's
544

patient.radiations.radiation.4.bcr_radiation_barcode:
tcga-a5-a0g3-r16783 tcga-d1-a163-r18490 tcga-ey-algo-r19930 tcga-ey-alh0-r12185
1 1 1 1
NA's
544

patient.radiations.radiation.4.bcr_radiation_uuid:
0988307d-cdfd-4d8f-943d-64e7ba0d10d8 5593a6b9-35ce-410e-b6ae-8d3f47683289
1 1
85817f64-a637-47a4-8fb7-57ac5ec22984 9b613400-f3a1-4eac-9bde-c5a37df2f359
1 1
NA's
544

patient.radiations.radiation.4.course_number:
1 2 3 NA's
2 1 1 544

patient.radiations.radiation.4.day_of_form_completion:
4 17 25 26 NA's
1 1 1 1 544

patient.radiations.radiation.4.days_to_radiation_therapy_end:
151 176 327 1163 NA's
1 1 1 1 544

patient.radiations.radiation.4.days_to_radiation_therapy_start:
123 174 327 1163 NA's
1 1 1 1 544

patient.radiations.radiation.4.month_of_form_completion:
1 5 9 11 NA's
1 1 1 1 544

patient.radiations.radiation.4.numfractions:
1 3 NA's
1 2 545

patient.radiations.radiation.4.radiation_dosage:
540 1000 1500 6900 NA's
1 1 1 1 544

patient.radiations.radiation.4.radiation_treatment_ongoing:
no NA's
4 544

patient.radiations.radiation.4.radiation_type:
external beam other: specify in notes NA's

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2

2

544

patient.radiations.radiation.4.radiation_type_notes:
 radiosurgery vaginal cylinder hdr NA's
 1 1 546

patient.radiations.radiation.4.regimen_indication:
 adjuvant progression recurrence NA's
 2 1 1 544

patient.radiations.radiation.4.units:
 cgy NA's
 4 544

patient.radiations.radiation.4.year_of_form_completion:
 2011 2012 NA's
 3 1 544

patient.radiations.radiation.course_number:
 1 2 3 NA's
 150 9 1 388

patient.radiations.radiation.day_of_form_completion:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 1.00 9.00 17.00 15.82 23.00 31.00 310

patient.radiations.radiation.days_to_radiation_therapy_end:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 48.0 102.0 132.0 208.3 203.0 2802.0 329

patient.radiations.radiation.days_to_radiation_therapy_start:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 29.0 80.0 111.0 186.9 177.5 2782.0 329

patient.radiations.radiation.measure_of_response:
 complete response partial response
 48 1
 radiographic progressive disease stable disease
 5 2
 NA's
 492

patient.radiations.radiation.month_of_form_completion:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 1.000 4.000 6.000 6.538 9.000 12.000 310

patient.radiations.radiation.numfractions:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 1.00 3.00 3.00 15.84 25.00 850.00 359


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patient.radiations.radiation.radiation_dosage:
  Min. 1st Qu.  Median    Mean 3rd Qu.  Max.    NA's
  4.5  2000.0  2100.0  2855.0  4500.0  7500.0   347

patient.radiations.radiation.radiation_treatment_ongoing:
  no NA's
  237  311

patient.radiations.radiation.regimen_indication_notes:
left breast cancer      mets to brain      NA's
          1              1              546

patient.radiations.radiation.units:
  cgy  gy NA's
  183  15  350

patient.radiations.radiation.year_of_form_completion:
  Min. 1st Qu.  Median    Mean 3rd Qu.  Max.    NA's
  2010   2011   2011   2012   2013   2015   310

patient.residual_tumor:
  r0  r1  r2  rx NA's
  376  22  16  41  93

patient.stage_event.system_version:
1988 1995 2009 NA's
  163  27  285  73

patient.surgical_approach:
minimally invasive      open      NA's
          203              321      24

patient.tissue_prospective_collection_indicator:
  no  yes NA's
  433 110  5

patient.tissue_retrospective_collection_indicator:
  no  yes
  110 438

patient.total_aor.lnp:
  Min. 1st Qu.  Median    Mean 3rd Qu.  Max.    NA's
  0.0000  0.0000  0.0000  0.4038  0.0000  29.0000   179

patient.total_aor_lnr:
  Min. 1st Qu.  Median    Mean 3rd Qu.  Max.    NA's

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0.000	0.000	3.000	4.729	7.000	38.000	31
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patient.total_pelv_lnp:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0.0000	0.0000	0.0000	0.5158	0.0000	15.0000	104

patient.total_pelv_lnr:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0.00	5.00	13.50	15.12	22.00	74.00	18

patient.tumor_tissue_site:

endometrial	other	specify
547		1

patient.vital_status:

alive	dead
503	45

patient.weight:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
44.00	67.00	84.00	87.59	102.75	209.00	22

patient.year_of_form_completion:

2010	2011	2012	2013	2014
83	321	86	35	23

patient.year_of_initial_pathologic_diagnosis:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1995	2007	2009	2009	2010	2013	8

patient.microsatellite_instability_test_results.microsatellite_instability_test:

indeterminate	msi-h	msi-l	mss
10	170	44	324

patient.bcr_canonical_check.bcr_patient_canonical_reasons.bcr_canonical_reason:

case matched expression control	case matched methylation control	ffpe validation	NA's
24	12	4	508

patient.bcr_canonical_check.bcr_patient_canonical_reasons.bcr_canonical_reason.2:

case matched methylation control	germline comparison	NA's
23	3	522

patient.bcr_canonical_check.bcr_patient_canonical_reasons.bcr_canonical_reason.3:

germline comparison	NA's
13	535

patient.bcr_canonical_check.bcr_patient_canonical_status:

canonical	canonical - plus
508	40

patient.biospecimen_cqcf.consent_or_death_status:

consented	deceased
542	6

patient.biospecimen_cqcf.country:

canada	russia	ukraine	united states	NA's
35	2	2	281	228

patient.biospecimen_cqcf.days_to_pathology_review:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0.0	174.2	535.5	794.2	1061.2	5548.0	10

patient.biospecimen_cqcf.days_to_sample_procurement:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
-690.00	14.00	28.00	31.79	42.00	805.00	9

patient.biospecimen_cqcf.digital_image_submitted:

no	yes	NA's
401	92	55

patient.biospecimen_cqcf.ethnicity:

not hispanic or latino	NA's
42	506

patient.biospecimen_cqcf.history_of_neoadjuvant_treatment:

no	NA's
547	1

patient.biospecimen_cqcf.normal_controls.normal_control.2.days_to_normal_sample:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
-27.00	8.00	31.00	34.78	50.00	209.00	499

patient.biospecimen_cqcf.normal_controls.normal_control.2.extracted_dna.ncedna_d:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0.0570	0.1485	0.1724	261.9182	435.3605	962.1800	541

patient.biospecimen_cqcf.normal_controls.normal_control.2.extracted_dna.ncedna_d:

12	20	24.8	29	NA's
1	4	1	1	541

patient.biospecimen_cqcf.normal_controls.normal_control.2.extracted_dna.ncedna_d:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
23.00	28.50	116.00	96.86	135.50	211.00	541

```

patient.biospecimen_cqcf.normal_controls.normal_control.2.normal_tissue.normal_t
distal (>2cm)          NA's
                26          522

```

```

patient.biospecimen_cqcf.normal_controls.normal_control.2.vial_number:
  1    2 NA's
45   12 491

```

```

patient.biospecimen_cqcf.normal_controls.normal_control.3.bcr_sample_uuid:
5733ecf2-9865-4aa9-8476-245f3a2c90bb e0910926-2cd1-4163-9da4-ff6b2a825200
                1                                1
                NA's
                546

```

```

patient.biospecimen_cqcf.normal_controls.normal_control.3.days_to_normal_sample_
  4    21 NA's
  1     1 546

```

```

patient.biospecimen_cqcf.normal_controls.normal_control.3.extracted_dna.ncedna_d
0.534 NA's
  1    547

```

```

patient.biospecimen_cqcf.normal_controls.normal_control.3.extracted_dna.ncedna_d
nano-drop          NA's
                1          547

```

```

patient.biospecimen_cqcf.normal_controls.normal_control.3.extracted_dna.ncedna_d
16.02 NA's
  1    547

```

```

patient.biospecimen_cqcf.normal_controls.normal_control.3.extracted_dna.ncedna_d
30 NA's
  1    547

```

```

patient.biospecimen_cqcf.normal_controls.normal_control.3.method_of_normal_sampl
                blood draw blood draw (preferred method)
                1                                1
                NA's
                546

```

```

patient.biospecimen_cqcf.normal_controls.normal_control.3.vial_number:
  1    3 NA's
  1     1 546

```

```

patient.biospecimen_cqcf.normal_controls.normal_control.days_to_normal_sample_pr
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.    NA's
-287.00  10.25   25.50   75.82  44.00 5319.00   122

```

```

patient.biospecimen_cqcf.normal_controls.normal_control.extracted_dna.ncedna_dna

```

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0.037	0.250	0.360	162.656	244.700	1628.600	323

patient.biospecimen_cqcf.normal_controls.normal_control.extracted_dna.ncedna_dna

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
15.00	17.00	20.00	19.41	20.00	25.40	323

patient.biospecimen_cqcf.normal_controls.normal_control.extracted_dna.ncedna_dna

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
7.00	50.00	80.00	79.12	88.40	488.00	323

patient.biospecimen_cqcf.normal_controls.normal_control.normal_tissue.normal_tis
distal (>2cm) NA's

42	506
----	-----

patient.biospecimen_cqcf.normal_controls.normal_control.vial_number:

1	2	NA's
529	6	13

patient.biospecimen_cqcf.path_confirm_diagnosis_matching:

no	yes	NA's
2	542	4

patient.biospecimen_cqcf.path_confirm_report_attached:

no	yes
24	524

patient.biospecimen_cqcf.path_confirm_tumor_necrosis_metrics:

yes
548

patient.biospecimen_cqcf.path_confirm_tumor_nuclei_metrics:

no	yes
2	546

patient.biospecimen_cqcf.race:

black or african american	NA's
48	500

patient.biospecimen_cqcf.reason_path_confirm_diagnosis_not_matching:

pathology analysis at tss determined a specific histological subtype different

pathology review of frozen section for tcga determined histological subtype diff

patient.biospecimen_cqcf.sample_prescreened:
 yes
 548

patient.biospecimen_cqcf.site_of_disease:
 corpus uteri
 548

patient.biospecimen_cqcf.submitted_for_lce:
 no yes NA's
 48 2 498

patient.biospecimen_cqcf.top_slide_submitted:
 no yes NA's
 87 406 55

patient.biospecimen_cqcf.tumor_samples.tumor_sample.2.tumor_necrosis_percent:
 0 5 10 20 NA's
 1 1 2 1 543

patient.biospecimen_cqcf.tumor_samples.tumor_sample.2.tumor_nuclei_percent:
 70 75 90 95 NA's
 1 1 2 1 543

patient.biospecimen_cqcf.tumor_samples.tumor_sample.2.tumor_weight:
 100 200 1800 NA's
 1 5 1 541

patient.biospecimen_cqcf.tumor_samples.tumor_sample.2.vial_number:
 1 2 NA's
 4 3 541

patient.biospecimen_cqcf.tumor_samples.tumor_sample.3.bcr_sample_uuid:
 40876428-d5f2-4a7a-a707-9642b1a3bce4 a4e7601a-9828-453a-8616-17f19de6f997
 1 1
 f806d29d-1d45-4a4e-8be2-cd2bad95789b NA's
 1 545

patient.biospecimen_cqcf.tumor_samples.tumor_sample.3.tumor_necrosis_percent:
 0 10 NA's
 2 1 545

patient.biospecimen_cqcf.tumor_samples.tumor_sample.3.tumor_nuclei_percent:
 70 90 NA's
 2 1 545

patient.biospecimen_cqcf.tumor_samples.tumor_sample.3.tumor_weight:
 100 200 NA's
 1 2 545

patient.biospecimen_cqcf.tumor_samples.tumor_sample.3.vial_number:

1 NA's
3 545

patient.biospecimen_cqcf.tumor_samples.tumor_sample.4.bcr_sample_uuid:

04089146-9eda-4bd0-b23d-01f7150e0e21 NA's
1 547

patient.biospecimen_cqcf.tumor_samples.tumor_sample.4.tumor_necrosis_percent:

0 NA's
1 547

patient.biospecimen_cqcf.tumor_samples.tumor_sample.4.tumor_nuclei_percent:

70 NA's
1 547

patient.biospecimen_cqcf.tumor_samples.tumor_sample.4.tumor_weight:

200 NA's
1 547

patient.biospecimen_cqcf.tumor_samples.tumor_sample.4.vial_number:

1 NA's
1 547

patient.biospecimen_cqcf.tumor_samples.tumor_sample.tumor_necrosis_percent:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0.000	0.000	2.000	6.366	10.000	50.000	4

patient.biospecimen_cqcf.tumor_samples.tumor_sample.tumor_nuclei_percent:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
40.0	70.0	80.0	81.3	90.0	100.0	3

patient.biospecimen_cqcf.tumor_samples.tumor_sample.tumor_weight:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
9.0	150.0	200.0	239.4	230.0	2350.0	7

patient.biospecimen_cqcf.tumor_samples.tumor_sample.vial_number:

1	2	NA's
545	1	2

patient.days_to_index:

0 NA's
539 9

patient.samples.sample.2.days_to_collection:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
24.0	204.5	566.0	823.5	1076.5	5556.0	9

```

patient.samples.sample.2.initial_weight:
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.   NA's
  50.0   87.5   110.0   123.3  150.0   240.0   524

patient.samples.sample.2.is_ffpe:
  no yes
  544  4

patient.samples.sample.2.oct_embedded:
  false true
  545    3

patient.samples.sample.2.pathology_report_file_name:
  tcga-bk-a0ca.883d4832-75fb-495c-b93f-904fca1ab18c.pdf
  1
  tcga-bk-a0cc.6a2aac78-98b9-44d4-af8d-9a132579cc2d.pdf
  1
  tcga-bk-a139.5f8c376b-31f8-4566-8ebf-21e7f4e6499d.pdf
  1
  tcga-bk-a261.979388a8-cc61-4c03-badc-bef9ec50c40a.pdf
  1
  NA's
  544

patient.samples.sample.2.pathology_report_uuid:
  5f8c376b-31f8-4566-8ebf-21e7f4e6499d 6a2aac78-98b9-44d4-af8d-9a132579cc2d
  1 1
  883d4832-75fb-495c-b93f-904fca1ab18c 979388a8-cc61-4c03-badc-bef9ec50c40a
  1 1
  NA's
  544

patient.samples.sample.2.portions.portion.analytes.analyte.2.a260_a280_ratio:
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.   NA's
  1.750  1.812  1.855  1.859  1.913  2.000   534

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.2.
  fppp NA's
  4 544

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.2.
  tcga NA's
  4 544

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.2.
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.   NA's
  97500288 99028598 99036585 103627507 100476252 153878574 463

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.2.
  7 8 9 13 NA's

```


10 25 46 4 463

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.2.

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0.1500	0.5000	0.5000	0.4445	0.5000	0.5000	463

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.2.

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
4.00	18.00	18.00	20.06	29.00	30.00	463

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.2.

no	yes	NA's
81	4	463

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.2.

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
3.000	6.000	8.000	7.035	8.000	11.000	463

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.2.

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1	4	5	6	8	12	463

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.2.

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1.95	40.00	40.00	33.07	40.00	40.00	463

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.2.

23 NA's
85 463

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.2.

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
10.00	80.00	80.00	68.13	80.00	80.00	463

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.2.

2010	2011	2012	2013	NA's
69	9	1	6	463

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.3.

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
150756963	150757025	167814149	160991313	167814197	167814230	543

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.3.

7	36 NA's
2	3 543

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.3.

0.15	0.16	0.18	NA's
------	------	------	------

2 2 1 543

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.3.

2 26 NA's

2 3 543

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.3.

no yes NA's

2 3 543

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.3.

8 10 NA's

3 2 543

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.3.

1 4 6 8 NA's

1 1 2 1 543

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.3.

a32y a46x NA's

2 3 543

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.3.

a c d h NA's

1 1 1 2 543

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.3.

0.75 0.8 1.95 2.34 NA's

1 2 1 1 543

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.3.

23 NA's

5 543

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.3.

5 13 NA's

3 2 543

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.3.

2013 2015 NA's

2 3 543

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.ad

fppp NA's

4 544

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.ad

tcga NA's

4 544

```

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.bi
  Min. 1st Qu.  Median      Mean 3rd Qu.    Max.    NA's
97500630 100474274 108432736 113394584 118967797 167802612      5

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.ce
  7  8  9 13 NA's
  4 46 483 10  5

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.co
  Min. 1st Qu.  Median      Mean 3rd Qu.    Max.    NA's
0.1500 0.5000 0.5000 0.4913 0.5000 0.5000      5

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.da
  Min. 1st Qu.  Median      Mean 3rd Qu.    Max.    NA's
1.00    8.00   11.00   13.65  21.00   30.00      5

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.is
  no  yes NA's
539   4   5

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.mo
  Min. 1st Qu.  Median      Mean 3rd Qu.    Max.    NA's
1.000  3.000  6.000  6.221  9.000 11.000      5

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.pl
  Min. 1st Qu.  Median      Mean 3rd Qu.    Max.    NA's
1.00    7.00    9.00    8.86  11.00   12.00      5

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.qu
  Min. 1st Qu.  Median      Mean 3rd Qu.    Max.    NA's
1.95   40.00   40.00   39.04  40.00   40.00      5

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.so
  23 NA's
543   5

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.vo
  13  20  80 NA's
  4  10 529  5

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.ye
  Min. 1st Qu.  Median      Mean 3rd Qu.    Max.    NA's
2010   2011   2011   2011   2012   2014      5

patient.samples.sample.2.portions.portion.analytes.analyte.2.amount:
  Min. 1st Qu.  Median      Mean 3rd Qu.    Max.    NA's
8.39   11.55   15.19   22.13  24.05   81.26   534

patient.samples.sample.2.portions.portion.analytes.analyte.2.analyte_type:
  repli-g (qiagen) dna repli-g x (qiagen) dna      rna

```

			521		8		14
			NA's				
			5				

patient.samples.sample.2.portions.portion.analytes.analyte.2.analyte_type_id:

r	w	x	NA's
14	521	8	5

patient.samples.sample.2.portions.portion.analytes.analyte.2.concentration:

0.15	0.16	0.17	0.18	NA's
5	4	1	4	534

patient.samples.sample.2.portions.portion.analytes.analyte.2.dna.normal_tumor_ge

yes	NA's
529	19

patient.samples.sample.2.portions.portion.analytes.analyte.2.dna.pcr_amplificati

yes	NA's
529	19

patient.samples.sample.2.portions.portion.analytes.analyte.2.gel_image_file:

<https://sharedoc.nchri.org/tcga-bcr/default.aspx>

543
NA's
5

patient.samples.sample.2.portions.portion.analytes.analyte.2.is_derived_from_ffp

no	yes	NA's
539	4	5

patient.samples.sample.2.portions.portion.analytes.analyte.2.protocols.protocol.

highpure mirna (allprep dna) ffpe rna	mirvana (allprep dna) rna
4	10
repli-g	repli-g x
498	8
NA's	
28	

patient.samples.sample.2.portions.portion.analytes.analyte.2.rna.ratio_28s_18s:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0.000	0.250	1.200	0.950	1.375	1.700	534

patient.samples.sample.2.portions.portion.analytes.analyte.2.rna.rinvalue:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
2.200	3.700	7.450	6.093	7.675	8.100	534

patient.samples.sample.2.portions.portion.analytes.analyte.2.spectrophotometer_m

uv spec	NA's
14	534

```
patient.samples.sample.2.portions.portion.analytes.analyte.2.subportion_sequence
  1    2    3 NA's
21    1    1 525
```

```
patient.samples.sample.2.portions.portion.analytes.analyte.3.aliquots.aliquot.2.
  Min.  1st Qu.  Median    Mean  3rd Qu.    Max.    NA's
99034893 99034952 100471062 99992349 100471099 100471130    479
```

```
patient.samples.sample.2.portions.portion.analytes.analyte.3.aliquots.aliquot.2.
  8    9 NA's
23   46 479
```

```
patient.samples.sample.2.portions.portion.analytes.analyte.3.aliquots.aliquot.2.
  0.5 NA's
69 479
```

```
patient.samples.sample.2.portions.portion.analytes.analyte.3.aliquots.aliquot.2.
  18   29 NA's
46   23 479
```

```
patient.samples.sample.2.portions.portion.analytes.analyte.3.aliquots.aliquot.2.
  no NA's
69 479
```

```
patient.samples.sample.2.portions.portion.analytes.analyte.3.aliquots.aliquot.2.
  6    8 NA's
23   46 479
```

```
patient.samples.sample.2.portions.portion.analytes.analyte.3.aliquots.aliquot.2.
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.    NA's
1.000  4.000   6.000   6.304  8.000  12.000    479
```

```
patient.samples.sample.2.portions.portion.analytes.analyte.3.aliquots.aliquot.2.
a030 a064 NA's
23   46 479
```

```
patient.samples.sample.2.portions.portion.analytes.analyte.3.aliquots.aliquot.2.
  40 NA's
69 479
```

```
patient.samples.sample.2.portions.portion.analytes.analyte.3.aliquots.aliquot.2.
  23 NA's
69 479
```

```
patient.samples.sample.2.portions.portion.analytes.analyte.3.aliquots.aliquot.2.
  80 NA's
69 479
```

```
patient.samples.sample.2.portions.portion.analytes.analyte.3.aliquots.aliquot.2.
```

2010 NA's
69 479

patient.samples.sample.2.portions.portion.analytes.analyte.3.aliquots.aliquot.bi
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
99036757 99053082 99053642 100223637 99067066 132270829 422

patient.samples.sample.2.portions.portion.analytes.analyte.3.aliquots.aliquot.ce
8 9 NA's
46 80 422

patient.samples.sample.2.portions.portion.analytes.analyte.3.aliquots.aliquot.co
0.5 NA's
126 422

patient.samples.sample.2.portions.portion.analytes.analyte.3.aliquots.aliquot.da
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
1.00 8.00 18.00 15.42 18.00 29.00 422

patient.samples.sample.2.portions.portion.analytes.analyte.3.aliquots.aliquot.is
no NA's
126 422

patient.samples.sample.2.portions.portion.analytes.analyte.3.aliquots.aliquot.mo
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
2.000 8.000 8.000 8.698 11.000 11.000 422

patient.samples.sample.2.portions.portion.analytes.analyte.3.aliquots.aliquot.pl
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
1.000 6.000 8.000 7.627 10.000 12.000 422

patient.samples.sample.2.portions.portion.analytes.analyte.3.aliquots.aliquot.qu
40 NA's
126 422

patient.samples.sample.2.portions.portion.analytes.analyte.3.aliquots.aliquot.so
23 NA's
126 422

patient.samples.sample.2.portions.portion.analytes.analyte.3.aliquots.aliquot.vo
80 NA's
126 422

patient.samples.sample.2.portions.portion.analytes.analyte.3.aliquots.aliquot.ye
2010 2011 2012 NA's
116 8 2 422

patient.samples.sample.2.portions.portion.analytes.analyte.3.analyte_type:

```

repli-g (qiagen) dna repli-g x (qiagen) dna NA's
      10                               116      422

patient.samples.sample.2.portions.portion.analytes.analyte.3.analyte_type_id:
  w      x NA's
10 116 422

patient.samples.sample.2.portions.portion.analytes.analyte.3.dna.normal_tumor_ge
yes NA's
126 422

patient.samples.sample.2.portions.portion.analytes.analyte.3.dna.pcr_amplificati
yes NA's
126 422

patient.samples.sample.2.portions.portion.analytes.analyte.3.gel_image_file:
https://sharedoc.nchri.org/tcga-bcr/default.aspx
      126
      NA's
      422

patient.samples.sample.2.portions.portion.analytes.analyte.3.is_derived_from_ffp
no NA's
126 422

patient.samples.sample.2.portions.portion.analytes.analyte.3.protocols.protocol.
repli-g repli-g x      NA's
      10          93      445

patient.samples.sample.2.portions.portion.analytes.analyte.3.subportion_sequence
  1      2 NA's
  9      1 538

patient.samples.sample.2.portions.portion.analytes.analyte.a260_a280_ratio:
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.    NA's
0.910  1.880   1.950   1.963  2.000  13.840   194

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.2.ad
fppp NA's
  4  544

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.2.ad
tcga NA's
  4  544

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.2.bi
  Min.  1st Qu.  Median    Mean  3rd Qu.    Max.    NA's
99027984 100476846 108432087 111823113 118964560 167780532    1

```

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.2.ce
 1 2 5 9 NA's
 219 91 6 231 1

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.2.co
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 0.0600 0.0800 0.1400 0.1246 0.1600 0.1800 1

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.2.da
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 1.00 15.00 18.00 20.15 28.00 31.00 1

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.2.is
 no yes NA's
 543 4 1

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.2.mo
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 1.000 3.000 5.000 5.753 8.000 12.000 1

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.2.pl
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 2.000 8.000 10.000 9.077 11.000 12.000 1

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.2.qu
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 0.870 1.070 1.950 2.031 3.200 3.600 1

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.2.sc
 23 NA's
 547 1

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.2.vo
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 6.67 6.67 13.00 20.74 40.00 40.00 1

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.2.ye
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 2010 2010 2011 2011 2011 2014 1

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.3.ad
 fppp NA's
 4 544

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.3.ad
 tcga NA's
 4 544

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.3.bi
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 97500299 99016628 100476272 104732749 108476531 132160027 167

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.3.ce
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 1.000 8.000 9.000 7.997 9.000 9.000 167

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.3.co
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 0.07000 0.08000 0.08000 0.08997 0.09000 0.18000 167

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.3.da
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 4.00 12.00 15.00 15.64 18.00 30.00 167

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.3.is
 no yes NA's
 377 4 167

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.3.mo
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 1.00 3.00 5.00 5.69 8.00 12.00 167

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.3.pl
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 1.000 8.000 10.000 9.178 11.000 12.000 167

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.3.qu
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 0.930 1.700 2.080 2.477 3.200 4.810 167

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.3.so
 23 NA's
 381 167

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.3.vo
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 6.70 20.00 26.00 29.62 40.00 53.40 167

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.3.ye
 2010 2011 2012 2013 NA's
 144 232 1 4 167

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.4.bi
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 97500681 99028554 99050811 106203463 100492036 167809431 441

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.4.ce
 2 5 8 9 NA's
 23 10 3 71 441

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.4.co
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 0.0700 0.0750 0.0800 0.1012 0.1450 0.1700 441

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.4.da
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 3.00 18.00 18.00 20.21 26.00 31.00 441

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.4.is
 no yes NA's
 104 3 441

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.4.mo
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 1.000 8.000 8.000 7.486 8.000 12.000 441

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.4.pl
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 1.000 3.000 7.000 6.364 9.000 12.000 441

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.4.qu
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 0.930 1.070 1.600 1.829 2.080 6.430 441

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.4.so
 23 NA's
 107 441

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.4.vo
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 13.00 13.17 13.34 18.93 20.00 91.80 441

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.4.ye
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 2010 2010 2010 2011 2011 2015 441

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.5.bi
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 99029397 106944079 113416987 126853834 153880671 153880955 541

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.5.ce
 5 9 NA's
 1 6 541

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.5.co
 0.07 0.08 0.09 0.16 NA's
 2 2 2 1 541

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.5.da
 12 16 19 NA's
 2 3 2 541

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.5.is
 no NA's
 7 541

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.5.mo
 7 9 10 NA's
 2 3 2 541

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.5.pl
 1 2 5 NA's
 1 5 1 541

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.5.pl
 a100 a17g a17h a325 NA's
 2 1 1 3 541

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.5.pl
 a b c g NA's
 3 1 1 2 541

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.5.qu
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 1.400 1.700 2.080 3.369 2.990 10.720 541

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.5.sc
 23 NA's
 7 541

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.5.vo
 20 26 52 67 NA's
 3 2 1 1 541

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.5.ye
 2010 2011 2013 NA's
 2 2 3 541

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.addi
 fppp NA's
 4 544

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.addi
 tcga NA's
 4 544

```

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.bios
  Min. 1st Qu.  Median      Mean 3rd Qu.  Max.
99014637 100475259 108431214 111650442 118966674 167780539

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.cent
  1  2  7  9
316 227  1  4

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.conc
  Min. 1st Qu.  Median      Mean 3rd Qu.  Max.
0.0700 0.1500 0.1600 0.1577 0.1700 0.1800

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.day_
  Min. 1st Qu.  Median      Mean 3rd Qu.  Max.
1.00  15.00  18.00  19.59  28.00  31.00

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.is_d
no yes
544  4

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.mont
  Min. 1st Qu.  Median      Mean 3rd Qu.  Max.
1.000  3.000  5.000  5.748  8.000 12.000

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.plat
  Min. 1st Qu.  Median      Mean 3rd Qu.  Max.
2.000  8.000 10.000  9.069 11.000 12.000

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.quant
  Min. 1st Qu.  Median      Mean 3rd Qu.  Max.
0.800  1.070  1.140  1.476  2.080  2.340

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.sour
  23
548

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.vol
  Min. 1st Qu.  Median      Mean 3rd Qu.  Max.
6.670  6.700  6.700  9.374 13.000 20.000

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.year
2010 2011 2012 2013 2014
144 289  63  37  15

patient.samples.sample.2.portions.portion.analytes.analyte.amount:
  Min. 1st Qu.  Median      Mean 3rd Qu.  Max.
4.46  13.71  21.32  30.36  34.54 264.43

```

patient.samples.sample.2.portions.portion.analytes.analyte.analyte_type:
 dna rna
 547 1

patient.samples.sample.2.portions.portion.analytes.analyte.analyte_type_id:
 d r
 547 1

patient.samples.sample.2.portions.portion.analytes.analyte.concentration:
 Min. 1st Qu. Median Mean 3rd Qu. Max.
 0.1200 0.1500 0.1600 0.1582 0.1700 0.1800

patient.samples.sample.2.portions.portion.analytes.analyte.dna.normal_tumor_gene:
 yes NA's
 547 1

patient.samples.sample.2.portions.portion.analytes.analyte.dna.pcr_amplification:
 yes NA's
 547 1

patient.samples.sample.2.portions.portion.analytes.analyte.gel_image_file:
<https://sharedoc.nchri.org/tcga-bcr/default.aspx>
 548

patient.samples.sample.2.portions.portion.analytes.analyte.is_derived_from_ffpe:
 no yes
 544 4

patient.samples.sample.2.portions.portion.analytes.analyte.protocols.protocol.ex:
 adna preparation type allprep ffpe dna
 281 4
 mirvana (allprep dna) rna pre-extracted dna received by tss
 1 262

patient.samples.sample.2.portions.portion.analytes.analyte.rna.ratio_28s_18s:
 1.39 NA's
 1 547

patient.samples.sample.2.portions.portion.analytes.analyte.rna.rinvalue:
 8.1 NA's
 1 547

patient.samples.sample.2.portions.portion.analytes.analyte.spectrophotometer_met:
 picogreen uv spec
 194 354

patient.samples.sample.2.portions.portion.analytes.analyte.subportion_sequence:
 1 2 3 NA's
 22 1 1 524

patient.samples.sample.2.portions.portion.day_of_creation:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.
1.00	9.00	14.00	15.59	21.00	31.00

patient.samples.sample.2.portions.portion.is_ffpe:

no	yes
544	4

patient.samples.sample.2.portions.portion.month_of_creation:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.
1.000	4.000	7.000	6.763	10.000	12.000

patient.samples.sample.2.portions.portion.portion_number:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.
1.000	1.000	1.000	1.533	1.000	22.000

patient.samples.sample.2.portions.portion.portion_sequence:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1.00	1.00	1.00	1.06	1.00	8.00	29

patient.samples.sample.2.portions.portion.slides.slide.2.bcr_slide_barcode:

tcga-bk-a0ca-01b-02-bs2	tcga-bk-a0cc-01b-04-bs4	tcga-bk-a139-01c-08-bs8
	1	1
tcga-bk-a261-01c-04-bs4	NA's	
	1	544

patient.samples.sample.2.portions.portion.slides.slide.2.bcr_slide_uuid:

5dc72acb-fc02-4eba-8909-5d75449e0ead	a52ed78b-2752-43d5-a185-c329b9b38b74
	1
a82d9022-25bc-41fd-a8d0-4f4b196198d0	eb427800-6af1-48b8-8321-5a6a7d2e6154
	1
	NA's
	544

patient.samples.sample.2.portions.portion.slides.slide.2.image_file_name:

tcga-bk-a0ca-01b-02-bs2.a82d9022-25bc-41fd-a8d0-4f4b196198d0.svs	1
tcga-bk-a0cc-01b-04-bs4.5dc72acb-fc02-4eba-8909-5d75449e0ead.svs	1
tcga-bk-a139-01c-08-bs8.a52ed78b-2752-43d5-a185-c329b9b38b74.svs	1
tcga-bk-a261-01c-04-bs4.eb427800-6af1-48b8-8321-5a6a7d2e6154.svs	1
	NA's
	544

patient.samples.sample.2.portions.portion.slides.slide.2.is_derived_from_ffpe:

yes	NA's
4	544

patient.samples.sample.2.portions.portion.slides.slide.2.percent_lymphocyte_infi
 1 2 4 NA's
 1 1 2 544

patient.samples.sample.2.portions.portion.slides.slide.2.percent_monocyte_infilt
 0 40 NA's
 3 1 544

patient.samples.sample.2.portions.portion.slides.slide.2.percent_necrosis:
 0 1 2 NA's
 2 1 1 544

patient.samples.sample.2.portions.portion.slides.slide.2.percent_neutrophil_infi
 0 2 20 NA's
 2 1 1 544

patient.samples.sample.2.portions.portion.slides.slide.2.percent_normal_cells:
 0 NA's
 4 544

patient.samples.sample.2.portions.portion.slides.slide.2.percent_stromal_cells:
 0 30 NA's
 3 1 544

patient.samples.sample.2.portions.portion.slides.slide.2.percent_tumor_cells:
 70 98 99 100 NA's
 1 1 1 1 544

patient.samples.sample.2.portions.portion.slides.slide.2.percent_tumor_nuclei:
 60 70 75 80 NA's
 1 1 1 1 544

patient.samples.sample.2.portions.portion.slides.slide.2.section_location:
 bottom NA's
 4 544

patient.samples.sample.2.portions.portion.slides.slide.is_derived_from_ffpe:
 no yes NA's
 24 4 520

patient.samples.sample.2.portions.portion.slides.slide.percent_lymphocyte_infilt
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 0.00 0.00 4.00 15.46 32.50 60.00 524

patient.samples.sample.2.portions.portion.slides.slide.percent_monocyte_infiltra
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 0.000 0.000 0.000 7.917 20.000 40.000 524

patient.samples.sample.2.portions.portion.slides.slide.percent_necrosis:
 0 1 2 3 NA's
 20 2 1 1 524

patient.samples.sample.2.portions.portion.slides.slide.percent_neutrophil_infiltration:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 0.000 0.000 0.000 7.583 12.500 40.000 524

patient.samples.sample.2.portions.portion.slides.slide.percent_normal_cells:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 0.00 90.00 100.00 80.57 100.00 100.00 520

patient.samples.sample.2.portions.portion.slides.slide.percent_stromal_cells:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 0.0 0.0 0.0 7.5 0.0 100.0 524

patient.samples.sample.2.portions.portion.slides.slide.percent_tumor_cells:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 0.00 0.00 0.00 12.75 0.00 100.00 520

patient.samples.sample.2.portions.portion.slides.slide.percent_tumor_nuclei:
 0 60 75 80 NA's
 20 2 1 1 524

patient.samples.sample.2.portions.portion.slides.slide.section_location:
 top NA's
 28 520

patient.samples.sample.2.portions.portion.weight:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 1.00 2.00 2.00 89.56 200.00 2000.00 280

patient.samples.sample.2.portions.portion.year_of_creation:
 2010 2011 2012 2013 2014
 234 230 39 36 9

patient.samples.sample.2.sample_type:
 blood derived normal primary tumor solid tissue normal
 520 4 24

patient.samples.sample.2.sample_type_id:
 1 10 11
 4 520 24

patient.samples.sample.2.vial_number:
 a b c
 527 18 3

patient.samples.sample.3.days_to_collection:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's

patient.samples.sample.3.portions.portion.2.analytes.analyte.aliquots.aliquot.2.
 1 NA's
 2 546

patient.samples.sample.3.portions.portion.2.analytes.analyte.aliquots.aliquot.2.
 0.14 0.16 NA's
 1 1 546

patient.samples.sample.3.portions.portion.2.analytes.analyte.aliquots.aliquot.2.
 14 NA's
 2 546

patient.samples.sample.3.portions.portion.2.analytes.analyte.aliquots.aliquot.2.
 no NA's
 2 546

patient.samples.sample.3.portions.portion.2.analytes.analyte.aliquots.aliquot.2.
 3 NA's
 2 546

patient.samples.sample.3.portions.portion.2.analytes.analyte.aliquots.aliquot.2.
 7 8 NA's
 1 1 546

patient.samples.sample.3.portions.portion.2.analytes.analyte.aliquots.aliquot.2.
 a275 NA's
 2 546

patient.samples.sample.3.portions.portion.2.analytes.analyte.aliquots.aliquot.2.
 a g NA's
 1 1 546

patient.samples.sample.3.portions.portion.2.analytes.analyte.aliquots.aliquot.2.
 0.94 1.07 NA's
 1 1 546

patient.samples.sample.3.portions.portion.2.analytes.analyte.aliquots.aliquot.2.
 23 NA's
 2 546

patient.samples.sample.3.portions.portion.2.analytes.analyte.aliquots.aliquot.2.
 6.7 NA's
 2 546

patient.samples.sample.3.portions.portion.2.analytes.analyte.aliquots.aliquot.2.
 2013 NA's
 2 546

patient.samples.sample.3.portions.portion.2.analytes.analyte.aliquots.aliquot.3.
 tcga-bk-a0ca-10a-02d-a46w-08 NA's
 1 547

patient.samples.sample.3.portions.portion.2.analytes.analyte.aliquots.aliquot.3.
916abe51-cfd2-4d8b-9369-6fc3a30c867b NA's
1 547

patient.samples.sample.3.portions.portion.2.analytes.analyte.aliquots.aliquot.3.
145674310 NA's
1 547

patient.samples.sample.3.portions.portion.2.analytes.analyte.aliquots.aliquot.3.
8 NA's
1 547

patient.samples.sample.3.portions.portion.2.analytes.analyte.aliquots.aliquot.3.
0.08 NA's
1 547

patient.samples.sample.3.portions.portion.2.analytes.analyte.aliquots.aliquot.3.
3 NA's
1 547

patient.samples.sample.3.portions.portion.2.analytes.analyte.aliquots.aliquot.3.
no NA's
1 547

patient.samples.sample.3.portions.portion.2.analytes.analyte.aliquots.aliquot.3.
8 NA's
1 547

patient.samples.sample.3.portions.portion.2.analytes.analyte.aliquots.aliquot.3.
9 NA's
1 547

patient.samples.sample.3.portions.portion.2.analytes.analyte.aliquots.aliquot.3.
a46w NA's
1 547

patient.samples.sample.3.portions.portion.2.analytes.analyte.aliquots.aliquot.3.
h NA's
1 547

patient.samples.sample.3.portions.portion.2.analytes.analyte.aliquots.aliquot.3.
1.6 NA's
1 547

patient.samples.sample.3.portions.portion.2.analytes.analyte.aliquots.aliquot.3.
23 NA's
1 547

patient.samples.sample.3.portions.portion.2.analytes.analyte.aliquots.aliquot.3.
20 NA's
1 547

patient.samples.sample.3.portions.portion.2.analytes.analyte.aliquots.aliquot.3.
 2015 NA's
 1 547

patient.samples.sample.3.portions.portion.2.analytes.analyte.aliquots.aliquot.ad
 fppp NA's
 2 546

patient.samples.sample.3.portions.portion.2.analytes.analyte.aliquots.aliquot.ad
 tcga NA's
 2 546

patient.samples.sample.3.portions.portion.2.analytes.analyte.aliquots.aliquot.bo
 tcga-bk-a0ca-10a-02d-a272-09 tcga-bk-a0cc-10a-02d-a272-09
 1 1
 NA's
 546

patient.samples.sample.3.portions.portion.2.analytes.analyte.aliquots.aliquot.bo
 53c177e3-b385-4c03-9e4f-32b359f47496 c405ed93-f656-4974-b3e4-b65d3d2df8ab
 1 1
 NA's
 546

patient.samples.sample.3.portions.portion.2.analytes.analyte.aliquots.aliquot.bo
 ffpe validation NA's
 2 546

patient.samples.sample.3.portions.portion.2.analytes.analyte.aliquots.aliquot.bi
 132158803 132160640 NA's
 1 1 546

patient.samples.sample.3.portions.portion.2.analytes.analyte.aliquots.aliquot.ce
 9 NA's
 2 546

patient.samples.sample.3.portions.portion.2.analytes.analyte.aliquots.aliquot.co
 0.07 0.08 NA's
 1 1 546

patient.samples.sample.3.portions.portion.2.analytes.analyte.aliquots.aliquot.da
 13 NA's
 2 546

patient.samples.sample.3.portions.portion.2.analytes.analyte.aliquots.aliquot.is
 no NA's
 2 546

patient.samples.sample.3.portions.portion.2.analytes.analyte.aliquots.aliquot.mo
 3 NA's
 2 546

```

patient.samples.sample.3.portions.portion.2.analytes.analyte.aliquots.aliquot.pl
  7   8 NA's
  1   1 546

patient.samples.sample.3.portions.portion.2.analytes.analyte.aliquots.aliquot.pl
a272 NA's
  2 546

patient.samples.sample.3.portions.portion.2.analytes.analyte.aliquots.aliquot.pl
  a   g NA's
  1   1 546

patient.samples.sample.3.portions.portion.2.analytes.analyte.aliquots.aliquot.qu
1.4 1.6 NA's
  1   1 546

patient.samples.sample.3.portions.portion.2.analytes.analyte.aliquots.aliquot.sc
  23 NA's
  2 546

patient.samples.sample.3.portions.portion.2.analytes.analyte.aliquots.aliquot.vo
  20 NA's
  2 546

patient.samples.sample.3.portions.portion.2.analytes.analyte.aliquots.aliquot.ye
2013 NA's
  2 546

patient.samples.sample.3.portions.portion.2.analytes.analyte.amount:
  5 63.88 NA's
  1   1 546

patient.samples.sample.3.portions.portion.2.analytes.analyte.analyte_type:
  dna NA's
  2 546

patient.samples.sample.3.portions.portion.2.analytes.analyte.analyte_type_id:
  d NA's
  2 546

patient.samples.sample.3.portions.portion.2.analytes.analyte.bcr_analyte_barcode
tcga-bk-a0ca-10a-02d tcga-bk-a0cc-10a-02d NA's
                        1                        1                        546

patient.samples.sample.3.portions.portion.2.analytes.analyte.bcr_analyte_uuid:
3117a597-31e0-4e13-8c54-017ef8087637 d65682ec-e448-4b63-ac97-f95bf364eda4
                        1                        1
                        NA's
                        546

patient.samples.sample.3.portions.portion.2.analytes.analyte.concentration:
0.14 0.16 NA's

```

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1      1      546

patient.samples.sample.3.portions.portion.2.analytes.analyte.dna.normal_tumor_ge
yes NA's
2      546

patient.samples.sample.3.portions.portion.2.analytes.analyte.dna.pcr_amplificati
yes NA's
2      546

patient.samples.sample.3.portions.portion.2.analytes.analyte.gel_image_file:
https://sharedoc.nchri.org/tcga-bcr/default.aspx
2
NA's
546

patient.samples.sample.3.portions.portion.2.analytes.analyte.is_derived_from_ffp
no NA's
2      546

patient.samples.sample.3.portions.portion.2.analytes.analyte.protocols.protocol.
adna preparation type NA's
2      546

patient.samples.sample.3.portions.portion.2.analytes.analyte.spectrophotometer_m
picogreen NA's
2      546

patient.samples.sample.3.portions.portion.2.bcr_portion_barcode:
tcga-bk-a0ca-10a-02 tcga-bk-a0cc-10a-02 NA's
1      1      546

patient.samples.sample.3.portions.portion.2.bcr_portion_uuid:
6a68784f-0190-4640-becf-72e7181adef1 cf4f52aa-6ec2-459f-be01-869950e4e7e0
1      1
NA's
546

patient.samples.sample.3.portions.portion.2.day_of_creation:
27 NA's
2      546

patient.samples.sample.3.portions.portion.2.is_ffpe:
no NA's
2      546

patient.samples.sample.3.portions.portion.2.month_of_creation:
2 NA's
2      546

patient.samples.sample.3.portions.portion.2.portion_number:
2 NA's

```

2 546

patient.samples.sample.3.portions.portion.2.portion_sequence:

2 NA's

2 546

patient.samples.sample.3.portions.portion.2.weight:

2 NA's

2 546

patient.samples.sample.3.portions.portion.2.year_of_creation:

2013 NA's

2 546

patient.samples.sample.3.portions.portion.analytes.analyte.2.a260_a280_ratio:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1.740	1.800	1.845	1.852	1.870	2.040	534

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.2.

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
99019532	106934024	118957353	121089363	138896429	145632921	533

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.2.

7	8	13	NA's
13	1	1	533

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.2.

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0.150	0.160	0.160	0.184	0.170	0.500	533

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.2.

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
4.00	18.00	25.00	22.27	29.50	30.00	533

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.2.

no NA's
15 533

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.2.

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1.0	3.0	5.0	4.8	5.5	10.0	533

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.2.

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
3.000	5.000	6.000	5.733	7.000	8.000	533

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.2.

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
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1.950  2.080  2.210  5.138  3.735  40.000  533

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.2.
23 NA's
15 533

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.2.
13 20 26.7 80 NA's
10 1 3 1 533

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.2.
2010 2011 2012 2013 NA's
2 4 4 5 533

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.bi
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
99034892 112147514 118956083 120220495 125632876 145631803 528

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.ce
7 9 13 NA's
1 6 13 528

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.co
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
0.150 0.160 0.165 0.263 0.500 0.500 528

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.da
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
4.00 17.25 24.00 21.35 26.00 30.00 528

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.is
no NA's
20 528

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.mo
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
1.0 3.0 5.0 5.7 9.0 11.0 528

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.pl
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
3.00 5.00 6.50 7.00 7.25 12.00 528

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.qu
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
3.00 3.20 3.40 14.31 40.00 40.00 528

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.so
23 NA's

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20 528

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.vo
 20 26.7 80 NA's
 13 1 6 528

patient.samples.sample.3.portions.portion.analytes.analyte.2.aliquots.aliquot.ye
 2010 2011 2012 2013 NA's
 2 9 4 5 528

patient.samples.sample.3.portions.portion.analytes.analyte.2.amount:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 7.82 8.50 11.67 23.76 30.41 73.88 534

patient.samples.sample.3.portions.portion.analytes.analyte.2.analyte_type:
 repli-g (qiagen) dna rna NA's
 6 14 528

patient.samples.sample.3.portions.portion.analytes.analyte.2.analyte_type_id:
 r w NA's
 14 6 528

patient.samples.sample.3.portions.portion.analytes.analyte.2.concentration:
 0.15 0.16 0.17 0.18 NA's
 3 7 3 1 534

patient.samples.sample.3.portions.portion.analytes.analyte.2.dna.normal_tumor_ge
 yes NA's
 6 542

patient.samples.sample.3.portions.portion.analytes.analyte.2.dna.pcr_amplificati
 yes NA's
 6 542

patient.samples.sample.3.portions.portion.analytes.analyte.2.gel_image_file:
<https://sharedoc.nchri.org/tcga-bcr/default.aspx>
 20
 NA's
 528

patient.samples.sample.3.portions.portion.analytes.analyte.2.is_derived_from_ffp
 no NA's
 20 528

patient.samples.sample.3.portions.portion.analytes.analyte.2.protocols.protocol.
 mirvana (allprep dna) rna repli-g NA's
 14 5 529

patient.samples.sample.3.portions.portion.analytes.analyte.2.rna.ratio_28s_18s:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's

```

1.100  1.200  1.300  1.326  1.385  1.800  534

patient.samples.sample.3.portions.portion.analytes.analyte.2.rna.rinvalue:
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.   NA's
  7.300  7.500  7.650  7.793  8.050  8.700  534

patient.samples.sample.3.portions.portion.analytes.analyte.2.spectrophotometer_m
uv spec    NA's
      14     534

patient.samples.sample.3.portions.portion.analytes.analyte.2.subportion_sequence
  1  2  3 NA's
 15  1  1 531

patient.samples.sample.3.portions.portion.analytes.analyte.3.aliquots.aliquot.2.
tcga-bk-a0cc-10a-01x-a030-08                                NA's
                                1                                547

patient.samples.sample.3.portions.portion.analytes.analyte.3.aliquots.aliquot.2.
ae435dbd-5f54-4c0b-bb02-4a2fd71c092c                                NA's
                                1                                547

patient.samples.sample.3.portions.portion.analytes.analyte.3.aliquots.aliquot.2.
99036855    NA's
            1    547

patient.samples.sample.3.portions.portion.analytes.analyte.3.aliquots.aliquot.2.
  8 NA's
  1 547

patient.samples.sample.3.portions.portion.analytes.analyte.3.aliquots.aliquot.2.
 0.5 NA's
  1 547

patient.samples.sample.3.portions.portion.analytes.analyte.3.aliquots.aliquot.2.
 29 NA's
  1 547

patient.samples.sample.3.portions.portion.analytes.analyte.3.aliquots.aliquot.2.
no NA's
  1 547

patient.samples.sample.3.portions.portion.analytes.analyte.3.aliquots.aliquot.2.
  6 NA's
  1 547

patient.samples.sample.3.portions.portion.analytes.analyte.3.aliquots.aliquot.2.
  6 NA's
  1 547

patient.samples.sample.3.portions.portion.analytes.analyte.3.aliquots.aliquot.2.
a030 NA's

```

1 547

patient.samples.sample.3.portions.portion.analytes.analyte.3.aliquots.aliquot.2.

h NA's

1 547

patient.samples.sample.3.portions.portion.analytes.analyte.3.aliquots.aliquot.2.

40 NA's

1 547

patient.samples.sample.3.portions.portion.analytes.analyte.3.aliquots.aliquot.2.

23 NA's

1 547

patient.samples.sample.3.portions.portion.analytes.analyte.3.aliquots.aliquot.2.

80 NA's

1 547

patient.samples.sample.3.portions.portion.analytes.analyte.3.aliquots.aliquot.2.

2010 NA's

1 547

patient.samples.sample.3.portions.portion.analytes.analyte.3.aliquots.aliquot.bi

	Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
99015692	113404052	132270282	122848371	132270603	132271494	533	

patient.samples.sample.3.portions.portion.analytes.analyte.3.aliquots.aliquot.ce

9 NA's

15 533

patient.samples.sample.3.portions.portion.analytes.analyte.3.aliquots.aliquot.co

0.5 NA's

15 533

patient.samples.sample.3.portions.portion.analytes.analyte.3.aliquots.aliquot.da

	Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
8.00	8.00	11.00	12.87	14.50	29.00	533	

patient.samples.sample.3.portions.portion.analytes.analyte.3.aliquots.aliquot.is

no NA's

15 533

patient.samples.sample.3.portions.portion.analytes.analyte.3.aliquots.aliquot.mo

	Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
2.000	5.000	7.000	6.733	8.000	11.000	533	

patient.samples.sample.3.portions.portion.analytes.analyte.3.aliquots.aliquot.pl

5 6 12 NA's

1 8 6 533

patient.samples.sample.3.portions.portion.analytes.analyte.3.aliquots.aliquot.qu
 40 NA's
 15 533

patient.samples.sample.3.portions.portion.analytes.analyte.3.aliquots.aliquot.so
 23 NA's
 15 533

patient.samples.sample.3.portions.portion.analytes.analyte.3.aliquots.aliquot.vo
 80 NA's
 15 533

patient.samples.sample.3.portions.portion.analytes.analyte.3.aliquots.aliquot.ye
 2010 2011 2012 2013 NA's
 2 4 4 5 533

patient.samples.sample.3.portions.portion.analytes.analyte.3.analyte_type:
 repli-g (qiagen) dna repli-g x (qiagen) dna NA's
 14 1 533

patient.samples.sample.3.portions.portion.analytes.analyte.3.analyte_type_id:
 w x NA's
 14 1 533

patient.samples.sample.3.portions.portion.analytes.analyte.3.dna.normal_tumor_ge
 yes NA's
 15 533

patient.samples.sample.3.portions.portion.analytes.analyte.3.dna.pcr_amplificati
 yes NA's
 15 533

patient.samples.sample.3.portions.portion.analytes.analyte.3.gel_image_file:
<https://sharedoc.nchri.org/tcga-bcr/default.aspx>
 15
 NA's
 533

patient.samples.sample.3.portions.portion.analytes.analyte.3.is_derived_from_ffp
 no NA's
 15 533

patient.samples.sample.3.portions.portion.analytes.analyte.3.protocols.protocol.
 repli-g NA's
 14 534

patient.samples.sample.3.portions.portion.analytes.analyte.3.subportion_sequence
 1 2 3 NA's

12 1 1 534

patient.samples.sample.3.portions.portion.analytes.analyte.4.aliquots.aliquot.bo
tcga-bk-a0cb-11a-33x-a10d-09 NA's
1 547

patient.samples.sample.3.portions.portion.analytes.analyte.4.aliquots.aliquot.bo
ace6c3c1-e405-4535-8ac0-b708d2196f69 NA's
1 547

patient.samples.sample.3.portions.portion.analytes.analyte.4.aliquots.aliquot.bi
99053207 NA's
1 547

patient.samples.sample.3.portions.portion.analytes.analyte.4.aliquots.aliquot.ce
9 NA's
1 547

patient.samples.sample.3.portions.portion.analytes.analyte.4.aliquots.aliquot.co
0.5 NA's
1 547

patient.samples.sample.3.portions.portion.analytes.analyte.4.aliquots.aliquot.da
8 NA's
1 547

patient.samples.sample.3.portions.portion.analytes.analyte.4.aliquots.aliquot.is
no NA's
1 547

patient.samples.sample.3.portions.portion.analytes.analyte.4.aliquots.aliquot.mo
11 NA's
1 547

patient.samples.sample.3.portions.portion.analytes.analyte.4.aliquots.aliquot.pl
6 NA's
1 547

patient.samples.sample.3.portions.portion.analytes.analyte.4.aliquots.aliquot.pl
a10d NA's
1 547

patient.samples.sample.3.portions.portion.analytes.analyte.4.aliquots.aliquot.pl
h NA's
1 547

patient.samples.sample.3.portions.portion.analytes.analyte.4.aliquots.aliquot.qu
40 NA's
1 547

patient.samples.sample.3.portions.portion.analytes.analyte.4.aliquots.aliquot.so
23 NA's

1 547

patient.samples.sample.3.portions.portion.analytes.analyte.4.aliquots.aliquot.vo

80 NA's

1 547

patient.samples.sample.3.portions.portion.analytes.analyte.4.aliquots.aliquot.ye

2010 NA's

1 547

patient.samples.sample.3.portions.portion.analytes.analyte.4.analyte_type:

repli-g x (qiagen) dna NA's

1 547

patient.samples.sample.3.portions.portion.analytes.analyte.4.analyte_type_id:

x NA's

1 547

patient.samples.sample.3.portions.portion.analytes.analyte.4.bcr_analyte_barcode

tcga-bk-a0cb-11a-33x NA's

1 547

patient.samples.sample.3.portions.portion.analytes.analyte.4.bcr_analyte_uuid:

63abc097-b457-4b86-bfee-adb0a41807d6 NA's

1 547

patient.samples.sample.3.portions.portion.analytes.analyte.4.dna.normal_tumor_ge

yes NA's

1 547

patient.samples.sample.3.portions.portion.analytes.analyte.4.dna.pcr_amplificati

yes NA's

1 547

patient.samples.sample.3.portions.portion.analytes.analyte.4.gel_image_file:

<https://sharedoc.nchri.org/tcga-bcr/default.aspx>

1

NA's

547

patient.samples.sample.3.portions.portion.analytes.analyte.4.is_derived_from_ffp

no NA's

1 547

patient.samples.sample.3.portions.portion.analytes.analyte.4.protocols.protocol.

repli-g x NA's

1 547

patient.samples.sample.3.portions.portion.analytes.analyte.4.subportion_sequence

3 NA's

1 547

patient.samples.sample.3.portions.portion.analytes.analyte.a260_a280_ratio:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 1.810 1.900 1.950 1.938 1.980 2.070 539

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.2.bi
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 99065228 110161790 113422438 119271662 125632856 145632762 528

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.2.ce
 1 2 5 9 NA's
 5 2 3 10 528

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.2.co
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 0.0700 0.0800 0.1200 0.1205 0.1625 0.1800 528

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.2.da
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 4.0 14.0 21.5 19.4 26.0 30.0 528

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.2.is
 no NA's
 20 528

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.2.mo
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 1.00 3.00 5.00 5.25 6.00 10.00 528

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.2.pl
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 5.00 6.00 9.00 8.95 12.00 12.00 528

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.2.qu
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 1.000 1.185 2.210 2.240 2.900 3.600 528

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.2.so
 23 NA's
 20 528

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.2.vo
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 6.67 11.43 13.17 23.59 40.00 40.00 528

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.2.ye
 2010 2011 2012 2013 NA's
 2 9 4 5 528

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.3.bi
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 99016076 110160403 113421243 118449228 122257239 145633146 528

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.3.ce
 5 8 9 26 NA's
 9 1 9 1 528

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.3.co
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 0.0700 0.0800 0.1150 0.1185 0.1525 0.1700 528

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.3.da
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 4.0 14.0 21.5 19.4 26.0 30.0 528

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.3.is
 no NA's
 20 528

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.3.mo
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 1.00 3.00 5.00 5.25 6.00 10.00 528

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.3.pl
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 5.00 6.00 9.00 8.95 12.00 12.00 528

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.3.qu
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 1.070 1.950 2.505 2.619 3.200 4.010 528

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.3.so
 23 NA's
 20 528

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.3.vo
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 10.00 13.00 20.02 25.70 40.00 40.00 528

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.3.ye
 2010 2011 2012 2013 NA's
 2 9 4 5 528

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.4.ad
 fppp NA's
 1 547

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.4.ad
 tcga NA's
 1 547

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.4.bo
 ffpe validation NA's
 1 547

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.4.bi
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 99015500 100113838 106956706 112955877 118105926 145633060 540

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.4.ce
 2 5 9 NA's
 1 5 2 540

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.4.co
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 0.0800 0.1425 0.1600 0.1462 0.1700 0.1800 540

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.4.da
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 6.00 11.75 14.00 16.12 19.75 31.00 540

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.4.is
 no NA's
 8 540

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.4.mo
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 1.00 3.00 5.00 5.25 6.50 11.00 540

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.4.pl
 5 6 7 12 NA's
 1 3 1 3 540

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.4.pl
 d f g h NA's
 1 2 1 4 540

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.4.qu
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 1.800 2.080 3.240 3.257 4.338 4.810 540

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.4.so
 23 NA's
 8 540

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.4.vo

13 20 26 26.7 NA's
 2 1 1 4 540

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.4.ye
 2010 2011 2013 NA's
 2 4 2 540

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.5.ad
 fppp NA's
 1 547

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.5.ad
 tcga NA's
 1 547

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.5.bo
 tcga-bk-a0cb-11a-33d-a10q-05 tcga-bk-a261-10a-01d-a275-01
 1 1
 NA's
 546

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.5.bo
 14429c6a-938f-4e24-bfe4-025ff12a1857 8c623eeb-c4d4-4561-a8c3-1beceeb9fd63
 1 1
 NA's
 546

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.5.bo
 ffpe validation NA's
 1 547

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.5.bi
 100476623 145675724 NA's
 1 1 546

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.5.ce
 1 5 NA's
 1 1 546

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.5.co
 0.15 0.17 NA's
 1 1 546

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.5.da
 14 20 NA's
 1 1 546

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.5.is
 no NA's
 2 546

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.5.mo

3 12 NA's
 1 1 546
 patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.5.pl
 7 9 NA's
 1 1 546
 patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.5.pl
 a10q a275 NA's
 1 1 546
 patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.5.pl
 f h NA's
 1 1 546
 patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.5.qu
 1.14 4.01 NA's
 1 1 546
 patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.5.sc
 23 NA's
 2 546
 patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.5.vo
 6.7 26.7 NA's
 1 1 546
 patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.5.ye
 2010 2013 NA's
 1 1 546
 patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.6.bo
 tcga-bk-a26l-10a-01d-a46w-08 NA's
 1 547
 patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.6.bo
 00654b37-a4b5-4be7-a467-7f46cb9c86ae NA's
 1 547
 patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.6.bi
 145674311 NA's
 1 547
 patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.6.ce
 8 NA's
 1 547
 patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.6.co
 0.09 NA's
 1 547
 patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.6.da

3 NA's
 1 547

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.6.is
 no NA's
 1 547

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.6.mo
 8 NA's
 1 547

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.6.pl
 10 NA's
 1 547

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.6.pl
 a46w NA's
 1 547

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.6.pl
 f NA's
 1 547

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.6.qu
 1.8 NA's
 1 547

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.6.sc
 23 NA's
 1 547

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.6.vo
 20 NA's
 1 547

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.6.ye
 2015 NA's
 1 547

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.bios

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
99031052	110160842	113421587	119279440	125643208	145671546	528

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.cent
 1 2 NA's
 15 5 528

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.conc

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0.14	0.15	0.16	0.16	0.17	0.18	528

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.day_
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 4.0 14.0 18.0 18.7 25.0 30.0 528

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.is_d
 no NA's
 20 528

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.mont
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 1.00 3.00 5.00 5.25 6.00 10.00 528

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.plat
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 5.00 6.00 9.00 8.95 12.00 12.00 528

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.quant
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 0.940 1.055 1.100 1.330 1.343 2.340 528

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.sour
 23 NA's
 20 528

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.vol
 6.67 6.7 13 NA's
 3 12 5 528

patient.samples.sample.3.portions.portion.analytes.analyte.aliquots.aliquot.year
 2010 2011 2012 2013 NA's
 2 9 4 5 528

patient.samples.sample.3.portions.portion.analytes.analyte.amount:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 6.12 12.12 18.82 27.69 34.16 98.46 528

patient.samples.sample.3.portions.portion.analytes.analyte.analyte_type:
 dna NA's
 20 528

patient.samples.sample.3.portions.portion.analytes.analyte.analyte_type_id:
 d NA's
 20 528

patient.samples.sample.3.portions.portion.analytes.analyte.concentration:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 0.14 0.15 0.16 0.16 0.17 0.18 528

patient.samples.sample.3.portions.portion.analytes.analyte.dna.normal_tumor_genome
yes NA's
20 528

patient.samples.sample.3.portions.portion.analytes.analyte.dna.pcr_amplification
yes NA's
20 528

patient.samples.sample.3.portions.portion.analytes.analyte.gel_image_file:
https://sharedoc.nchri.org/tcga-bcr/default.aspx
20
NA's
528

patient.samples.sample.3.portions.portion.analytes.analyte.is_derived_from_ffpe:
no NA's
20 528

patient.samples.sample.3.portions.portion.analytes.analyte.protocols.protocol.execution
adna preparation type NA's
20 528

patient.samples.sample.3.portions.portion.analytes.analyte.spectrophotometer_method
picogreen uv spec NA's
11 9 528

patient.samples.sample.3.portions.portion.analytes.analyte.subportion_sequence:
1 2 3 NA's
15 1 1 531

patient.samples.sample.3.portions.portion.day_of_creation:
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
1.00 7.50 14.50 12.75 16.00 31.00 528

patient.samples.sample.3.portions.portion.is_ffpe:
no NA's
20 528

patient.samples.sample.3.portions.portion.month_of_creation:
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
2.00 3.75 6.00 6.40 9.00 12.00 528

patient.samples.sample.3.portions.portion.portion_number:
1 11 12 33 NA's
3 15 1 1 528

patient.samples.sample.3.portions.portion.portion_sequence:
1 3 NA's
18 1 529

patient.samples.sample.3.portions.portion.slides.slide.2.bcr_slide_barcode:
tcga-bk-a0cb-11a-03-ts3 NA's
1 547

patient.samples.sample.3.portions.portion.slides.slide.2.bcr_slide_uuid:
91a84b56-6c1b-489f-8dc0-484f5e49be06 NA's
1 547

patient.samples.sample.3.portions.portion.slides.slide.2.image_file_name:
tcga-bk-a0cb-11a-03-ts3.91a84b56-6c1b-489f-8dc0-484f5e49be06.svs
1
NA's
547

patient.samples.sample.3.portions.portion.slides.slide.2.is_derived_from_ffpe:
no NA's
1 547

patient.samples.sample.3.portions.portion.slides.slide.2.percent_lymphocyte_infi
5 NA's
1 547

patient.samples.sample.3.portions.portion.slides.slide.2.percent_monocyte_infilt
0 NA's
1 547

patient.samples.sample.3.portions.portion.slides.slide.2.percent_neutrophil_infi
0 NA's
1 547

patient.samples.sample.3.portions.portion.slides.slide.2.percent_normal_cells:
100 NA's
1 547

patient.samples.sample.3.portions.portion.slides.slide.2.percent_tumor_cells:
0 NA's
1 547

patient.samples.sample.3.portions.portion.slides.slide.2.section_location:
top NA's
1 547

patient.samples.sample.3.portions.portion.slides.slide.3.bcr_slide_barcode:
tcga-bk-a0cb-11a-04-ts4 NA's
1 547

patient.samples.sample.3.portions.portion.slides.slide.3.bcr_slide_uuid:
31b8cd48-1eaf-4c06-a64c-1703f9dfd57f NA's
1 547

patient.samples.sample.3.portions.portion.slides.slide.3.image_file_name:

tcga-bk-a0cb-11a-04-ts4.31b8cd48-leaf-4c06-a64c-1703f9dfd57f.svs

1

NA's

547

patient.samples.sample.3.portions.portion.slides.slide.3.is_derived_from_ffpe:

no NA's

1 547

patient.samples.sample.3.portions.portion.slides.slide.3.percent_lymphocyte_infi

5 NA's

1 547

patient.samples.sample.3.portions.portion.slides.slide.3.percent_monocyte_infilt

0 NA's

1 547

patient.samples.sample.3.portions.portion.slides.slide.3.percent_neutrophil_infi

0 NA's

1 547

patient.samples.sample.3.portions.portion.slides.slide.3.percent_normal_cells:

100 NA's

1 547

patient.samples.sample.3.portions.portion.slides.slide.3.percent_tumor_cells:

0 NA's

1 547

patient.samples.sample.3.portions.portion.slides.slide.3.section_location:

top NA's

1 547

patient.samples.sample.3.portions.portion.slides.slide.is_derived_from_ffpe:

no NA's

17 531

patient.samples.sample.3.portions.portion.slides.slide.percent_lymphocyte_infilt

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0.000	0.000	1.000	8.294	8.000	40.000	531

0.000 0.000 1.000 8.294 8.000 40.000 531

patient.samples.sample.3.portions.portion.slides.slide.percent_monocyte_infiltra

0 20 NA's

15 2 531

patient.samples.sample.3.portions.portion.slides.slide.percent_necrosis:

0 20 NA's

15 1 532

patient.samples.sample.3.portions.portion.slides.slide.percent_neutrophil_infiltration:
 0 10 20 30 NA's
 14 1 1 1 531

patient.samples.sample.3.portions.portion.slides.slide.percent_normal_cells:
 5 40 100 NA's
 1 1 15 531

patient.samples.sample.3.portions.portion.slides.slide.percent_stromal_cells:
 0 95 NA's
 15 1 532

patient.samples.sample.3.portions.portion.slides.slide.percent_tumor_cells:
 0 40 NA's
 16 1 531

patient.samples.sample.3.portions.portion.slides.slide.percent_tumor_nuclei:
 0 65 NA's
 15 1 532

patient.samples.sample.3.portions.portion.slides.slide.section_location:
 top NA's
 17 531

patient.samples.sample.3.portions.portion.weight:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 2 30 30 48 30 240 529

patient.samples.sample.3.portions.portion.year_of_creation:
 2010 2011 2012 NA's
 4 10 6 528

patient.samples.sample.3.sample_type:
 blood derived normal recurrent tumor solid tissue normal
 3 1 16
 NA's
 528

patient.samples.sample.3.sample_type_id:
 2 10 11 NA's
 1 3 16 528

patient.samples.sample.3.vial_number:
 a NA's
 20 528

patient.samples.sample.4.bcr_sample_barcode:
 tcga-bk-a139-10a NA's
 1 547

patient.samples.sample.4.bcr_sample_uuid:
 dc183cca-cf96-4df3-87db-bfcff58dc273 NA's

1

547

patient.samples.sample.4.days_to_collection:

175 NA's

1 547

patient.samples.sample.4.is_ffpe:

no NA's

1 547

patient.samples.sample.4.oct_embedded:

false NA's

1 547

patient.samples.sample.4.portions.portion.analytes.analyte.2.aliquots.aliquot.bo

tcga-bk-a139-10a-01w-a12v-09

NA's

1

547

patient.samples.sample.4.portions.portion.analytes.analyte.2.aliquots.aliquot.bo

d8d929ae-bff5-42b2-8b47-a0b80a0aef0a

NA's

1

547

patient.samples.sample.4.portions.portion.analytes.analyte.2.aliquots.aliquot.bi

108432685

NA's

1

547

patient.samples.sample.4.portions.portion.analytes.analyte.2.aliquots.aliquot.ce

9 NA's

1 547

patient.samples.sample.4.portions.portion.analytes.analyte.2.aliquots.aliquot.co

0.5 NA's

1 547

patient.samples.sample.4.portions.portion.analytes.analyte.2.aliquots.aliquot.da

23 NA's

1 547

patient.samples.sample.4.portions.portion.analytes.analyte.2.aliquots.aliquot.is

no NA's

1 547

patient.samples.sample.4.portions.portion.analytes.analyte.2.aliquots.aliquot.mo

2 NA's

1 547

patient.samples.sample.4.portions.portion.analytes.analyte.2.aliquots.aliquot.pl

11 NA's

1 547

patient.samples.sample.4.portions.portion.analytes.analyte.2.aliquots.aliquot.pl

a12v NA's

1 547

patient.samples.sample.4.portions.portion.analytes.analyte.2.aliquots.aliquot.pl
g NA's
1 547

patient.samples.sample.4.portions.portion.analytes.analyte.2.aliquots.aliquot.qu
40 NA's
1 547

patient.samples.sample.4.portions.portion.analytes.analyte.2.aliquots.aliquot.so
23 NA's
1 547

patient.samples.sample.4.portions.portion.analytes.analyte.2.aliquots.aliquot.vo
80 NA's
1 547

patient.samples.sample.4.portions.portion.analytes.analyte.2.aliquots.aliquot.ye
2011 NA's
1 547

patient.samples.sample.4.portions.portion.analytes.analyte.2.analyte_type:
repli-g (qiagen) dna NA's
1 547

patient.samples.sample.4.portions.portion.analytes.analyte.2.analyte_type_id:
w NA's
1 547

patient.samples.sample.4.portions.portion.analytes.analyte.2.bcr_analyte_barcode
tcga-bk-a139-10a-01w NA's
1 547

patient.samples.sample.4.portions.portion.analytes.analyte.2.bcr_analyte_uuid:
71c07865-4cec-415e-92fc-44ef9d0304d2 NA's
1 547

patient.samples.sample.4.portions.portion.analytes.analyte.2.dna.normal_tumor_ge
yes NA's
1 547

patient.samples.sample.4.portions.portion.analytes.analyte.2.dna.pcr_amplificati
yes NA's
1 547

patient.samples.sample.4.portions.portion.analytes.analyte.2.gel_image_file:
<https://sharedoc.nchri.org/tcga-bcr/default.aspx>
1
NA's
547

patient.samples.sample.4.portions.portion.analytes.analyte.2.is_derived_from_ffp
no NA's
1 547

patient.samples.sample.4.portions.portion.analytes.analyte.2.protocols.protocol.
repli-g NA's
1 547

patient.samples.sample.4.portions.portion.analytes.analyte.a260_a280_ratio:
2 NA's
1 547

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.2.bo
tcga-bk-a139-10a-01d-a121-02 NA's
1 547

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.2.bo
255cdc14-da01-436a-a7ac-10a0e5adca6b NA's
1 547

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.2.bi
100474132 NA's
1 547

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.2.ce
2 NA's
1 547

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.2.co
0.15 NA's
1 547

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.2.da
18 NA's
1 547

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.2.is
no NA's
1 547

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.2.mo
1 NA's
1 547

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.2.pl
11 NA's
1 547

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.2.pl
a121 NA's
1 547

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.2.pl
g NA's
1 547

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.2.qu
1.95 NA's
1 547

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.2.sc
23 NA's
1 547

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.2.vo
13 NA's
1 547

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.2.ye
2011 NA's
1 547

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.3.bo
tcga-bk-a139-10a-01d-a122-09 NA's
1 547

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.3.bo
2ae69cba-be7f-46c3-b610-e27a48daef9d NA's
1 547

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.3.bi
99016084 NA's
1 547

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.3.ce
9 NA's
1 547

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.3.co
0.07 NA's
1 547

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.3.da
18 NA's
1 547

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.3.is
no NA's
1 547

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.3.mo
1 NA's
1 547

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.3.pl
 11 NA's
 1 547

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.3.pl
 a122 NA's
 1 547

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.3.pl
 g NA's
 1 547

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.3.qu
 2.8 NA's
 1 547

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.3.sc
 23 NA's
 1 547

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.3.vo
 40 NA's
 1 547

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.3.ye
 2011 NA's
 1 547

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.4.ad
 fppp NA's
 1 547

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.4.ad
 tcga NA's
 1 547

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.4.bo
 tcga-bk-a139-10a-01d-a272-09 NA's
 1 547

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.4.bo
 31b62653-e962-4865-97c5-a67f908c4f69 NA's
 1 547

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.4.bo
 ffpe validation NA's
 1 547

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.4.bi
 132159102 NA's
 1 547

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.4.ce
9 NA's
1 547

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.4.co
0.07 NA's
1 547

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.4.da
13 NA's
1 547

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.4.is
no NA's
1 547

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.4.mo
3 NA's
1 547

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.4.pl
7 NA's
1 547

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.4.pl
a272 NA's
1 547

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.4.pl
h NA's
1 547

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.4.qu
1.4 NA's
1 547

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.4.so
23 NA's
1 547

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.4.vo
20 NA's
1 547

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.4.ye
2013 NA's
1 547

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.5.ad
fppp NA's
1 547

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.5.ad
 tcga NA's
 1 547

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.5.bo
 tcga-bk-a139-10a-01d-a275-01 NA's
 1 547

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.5.bo
 023b8011-6da4-4ce2-adb9-124bcb8db69c NA's
 1 547

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.5.bo
 ffpe validation NA's
 1 547

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.5.bi
 145675748 NA's
 1 547

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.5.ce
 1 NA's
 1 547

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.5.co
 0.15 NA's
 1 547

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.5.da
 14 NA's
 1 547

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.5.is
 no NA's
 1 547

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.5.mo
 3 NA's
 1 547

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.5.pl
 7 NA's
 1 547

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.5.pl
 a275 NA's
 1 547

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.5.pl
 h NA's
 1 547

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.5.qu
1.01 NA's
1 547

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.5.so
23 NA's
1 547

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.5.vo
6.7 NA's
1 547

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.5.ye
2013 NA's
1 547

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.6.bo
tcga-bk-a139-10a-01d-a46w-08 NA's
1 547

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.6.bo
4f24fd49-dd13-407e-8f4f-a7488d7cc78a NA's
1 547

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.6.bi
145674313 NA's
1 547

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.6.ce
8 NA's
1 547

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.6.co
0.07 NA's
1 547

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.6.da
3 NA's
1 547

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.6.is
no NA's
1 547

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.6.mo
8 NA's
1 547

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.6.pl
10 NA's
1 547

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.6.pl
a46w NA's
1 547

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.6.pl
c NA's
1 547

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.6.qu
1.4 NA's
1 547

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.6.sc
23 NA's
1 547

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.6.vo
20 NA's
1 547

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.6.ye
2015 NA's
1 547

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.bcr_
tcga-bk-a139-10a-01d-a120-01 NA's
1 547

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.bcr_
4da5fca9-08af-4d60-83fe-7e077775fd72 NA's
1 547

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.bios
100475860 NA's
1 547

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.cent
1 NA's
1 547

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.conc
0.15 NA's
1 547

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.day_
18 NA's
1 547

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.is_d
no NA's
1 547

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.mont
1 NA's
1 547

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.plat
11 NA's
1 547

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.plat
a120 NA's
1 547

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.plat
g NA's
1 547

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.quant
1 NA's
1 547

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.sour
23 NA's
1 547

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.vol
6.67 NA's
1 547

patient.samples.sample.4.portions.portion.analytes.analyte.aliquots.aliquot.year
2011 NA's
1 547

patient.samples.sample.4.portions.portion.analytes.analyte.amount:
17.4 NA's
1 547

patient.samples.sample.4.portions.portion.analytes.analyte.analyte_type:
dna NA's
1 547

patient.samples.sample.4.portions.portion.analytes.analyte.analyte_type_id:
d NA's
1 547

patient.samples.sample.4.portions.portion.analytes.analyte.bcr_analyte_barcode:
tcga-bk-a139-10a-01d NA's
1 547

patient.samples.sample.4.portions.portion.analytes.analyte.bcr_analyte_uuid:
aa78120b-d2fc-43ad-88ba-a66d62168aac NA's
1 547

patient.samples.sample.4.portions.portion.analytes.analyte.concentration:
 0.15 NA's
 1 547

patient.samples.sample.4.portions.portion.analytes.analyte.dna.normal_tumor_genome:
 yes NA's
 1 547

patient.samples.sample.4.portions.portion.analytes.analyte.dna.pcr_amplification:
 yes NA's
 1 547

patient.samples.sample.4.portions.portion.analytes.analyte.gel_image_file:
<https://sharedoc.nchri.org/tcga-bcr/default.aspx>
 1
 NA's
 547

patient.samples.sample.4.portions.portion.analytes.analyte.is_derived_from_ffpe:
 no NA's
 1 547

patient.samples.sample.4.portions.portion.analytes.analyte.protocols.protocol.execution:
 adna preparation type NA's
 1 547

patient.samples.sample.4.portions.portion.analytes.analyte.spectrophotometer_measurement:
 uv spec NA's
 1 547

patient.samples.sample.4.portions.portion.bcr_portion_barcode:
 tcga-bk-a139-10a-01 NA's
 1 547

patient.samples.sample.4.portions.portion.bcr_portion_uuid:
 70bafda3-4861-4f2b-b3af-fa8f2e934153 NA's
 1 547

patient.samples.sample.4.portions.portion.day_of_creation:
 16 NA's
 1 547

patient.samples.sample.4.portions.portion.is_ffpe:
 no NA's
 1 547

patient.samples.sample.4.portions.portion.month_of_creation:
 12 NA's
 1 547

patient.samples.sample.4.portions.portion.portion_number:
 1 NA's

1 547

patient.samples.sample.4.portions.portion.portion_sequence:

1 NA's

1 547

patient.samples.sample.4.portions.portion.weight:

200 NA's

1 547

patient.samples.sample.4.portions.portion.year_of_creation:

2010 NA's

1 547

patient.samples.sample.4.sample_type:

blood derived normal NA's

1 547

patient.samples.sample.4.sample_type_id:

10 NA's

1 547

patient.samples.sample.4.vial_number:

a NA's

1 547

patient.samples.sample.days_to_collection:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
24.0	196.0	560.0	816.2	1070.0	5556.0	9

patient.samples.sample.diagnostic_slides.ffpe_slide_uuid.4:

33c67f98-a8c3-4c3a-b630-d12014c645ec 631a44b6-43e0-4481-af1f-3eb484784672

1 1

860ccc5d-05a1-4630-8ae0-620825609f83 970a790e-649c-4d4d-98db-7df6a7045a14

1 1

NA's

544

patient.samples.sample.diagnostic_slides.ffpe_slide_uuid.5:

5d10994a-40e6-4327-a9c0-6fea2ac6b771 75c61081-9ab3-4237-b2ce-efcba1f22343

1 1

c87132c9-f354-4ead-a89c-df85d3890338 NA's

1 545

patient.samples.sample.diagnostic_slides.ffpe_slide_uuid.6:

32d62843-11db-4653-990e-80a3eeb59612 af10cfc6-3016-4523-9a01-5ef8a06b3cdd

1 1

```

d526a895-b369-47b9-8903-8731bcd0albb                                     NA's
                                                                    545

patient.samples.sample.diagnostic_slides.ffpe_slide_uuid.7:
1f385796-7aec-43ce-9f6a-564204ba9be6 267346bc-b6c5-4613-9b19-460672319141
                                                                    1
                                                                    NA's
                                                                    546

patient.samples.sample.diagnostic_slides.ffpe_slide_uuid.8:
8b5c9140-cde8-47f6-b847-f5cfb92399cd                                     NA's
                                                                    547

patient.samples.sample.initial_weight:
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.
  1.0   110.0   175.0   235.6  280.0  1540.0

patient.samples.sample.is_ffpe:
no
548

patient.samples.sample.oct_embedded:
false true
  304   244

patient.samples.sample.portions.portion.analytes.analyte.2.a260_a280_ratio:
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.
  0.350  1.800   1.840   2.158  1.880 180.000

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.2.bi
  Min.  1st Qu.  Median    Mean  3rd Qu.    Max.    NA's
  99019239 100475438 108431976 111321284 116188610 167788983    1

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.2.ce
  7  13 NA's
  395 152  1

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.2.co
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.    NA's
  0.1300 0.1500 0.1600 0.1607 0.1700 0.1800    1

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.2.da
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.    NA's
  1.00  15.00  18.00  19.58  28.00  31.00    1

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.2.is
no NA's
547  1

```

```

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.2.mo
  Min. 1st Qu.  Median      Mean 3rd Qu.    Max.   NA's
  1.000  3.000  5.000  5.757  8.000  12.000    1

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.2.pl
  Min. 1st Qu.  Median      Mean 3rd Qu.    Max.   NA's
  1.000  3.000  4.000  4.097  6.000  10.000    1

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.2.qu
  Min. 1st Qu.  Median      Mean 3rd Qu.    Max.   NA's
  0.93   2.21   3.20   3.22   4.27   4.81    1

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.2.sc
  23 NA's
  547  1

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.2.vo
  6.67  13  20 26.7 NA's
  24 167 128 228  1

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.2.ye
  Min. 1st Qu.  Median      Mean 3rd Qu.    Max.   NA's
  2010   2010   2011   2011   2011   2014    1

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.3.ad
  fppp NA's
  3  545

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.3.ad
  tcga NA's
  3  545

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.3.bo
  ffpe validation      NA's
  3  545

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.3.bi
  Min. 1st Qu.  Median      Mean 3rd Qu.    Max.   NA's
  100471174 113422303 113422324 125290443 145632072 167812967    514

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.3.ce
  7 NA's
  34 514

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.3.co
  Min. 1st Qu.  Median      Mean 3rd Qu.    Max.   NA's
  0.1300 0.1500 0.1500 0.1547 0.1600 0.1800    514

```

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.3.da
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 2.000 5.000 5.000 6.912 5.000 29.000 514

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.3.is
 no NA's
 34 514

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.3.mo
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 3.000 7.000 7.000 7.588 9.000 12.000 514

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.3.pl
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 1.000 3.750 8.000 6.912 9.000 11.000 514

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.3.qu
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 1.060 1.853 1.950 2.074 2.178 4.270 514

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.3.so
 23 NA's
 34 514

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.3.vo
 6.6 13 26.7 NA's
 2 30 2 514

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.3.ye
 2010 2011 2013 2014 NA's
 2 21 9 2 514

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.4.ad
 fppp NA's
 4 544

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.4.ad
 tcga NA's
 4 544

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.4.bo
 ffpe validation NA's
 4 544

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.4.bi
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 113422292 132179204 132179220 137234165 142268855 167812991 542


```

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.4.ce
  7  13 NA's
  3   3  542

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.4.co
0.15 0.16 0.18 NA's
  4   1   1  542

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.4.da
  5   9  13  14 NA's
  1   1   3   1  542

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.4.is
no NA's
  6  542

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.4.mo
  3   7  12 NA's
  4   1   1  542

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.4.pl
  1   7  10 NA's
  1   4   1  542

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.4.pl
a16w a277 a27d a466 NA's
  1   1   3   1  542

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.4.qu
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.    NA's
  0.990  1.982   2.540   2.437  3.000   3.600    542

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.4.so
  23 NA's
  6  542

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.4.vo
  6.6  13  20 NA's
  1   2   3  542

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.4.ye
2011 2013 2014 NA's
  1   4   1  542

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.5.ad
fppp NA's
  1  547

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.5.ad
tcga NA's

```

1 547

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.5.bi
 ffpe validation NA's
 1 547

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.5.bi
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 132179224 167812941 167814148 160686948 167814196 167814233 543

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.5.ce
 7 13 36 NA's
 1 1 3 543

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.5.co
 0.15 0.16 0.18 NA's
 3 1 1 543

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.5.da
 9 13 26 NA's
 1 1 3 543

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.5.is
 no NA's
 5 543

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.5.mo
 3 8 12 NA's
 1 3 1 543

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.5.pl
 3 5 7 NA's
 1 2 2 543

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.5.pl
 a27d a466 a46x NA's
 1 1 3 543

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.5.qu
 0.75 0.9 1.06 3 NA's
 2 1 1 1 543

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.5.so
 23 NA's
 5 543

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.5.vo
 5 6.6 20 NA's
 3 1 1 543

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.5.ye
 2013 2014 2015 NA's
 1 1 3 543

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.bios
 Min. 1st Qu. Median Mean 3rd Qu. Max.
 99012901 100474385 108431940 111239284 118956032 167812023

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.cent
 7 13
 153 395

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.conc
 Min. 1st Qu. Median Mean 3rd Qu. Max.
 0.1300 0.1500 0.1600 0.1607 0.1700 0.1800

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.day_
 Min. 1st Qu. Median Mean 3rd Qu. Max.
 1.00 15.00 18.00 19.59 28.00 31.00

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.is_d
 no
 548

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.mont
 Min. 1st Qu. Median Mean 3rd Qu. Max.
 1.000 3.000 5.000 5.752 8.000 12.000

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.plat
 Min. 1st Qu. Median Mean 3rd Qu. Max.
 1.000 3.000 4.000 4.097 6.000 10.000

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.quant
 Min. 1st Qu. Median Mean 3rd Qu. Max.
 1.950 3.200 3.400 3.357 3.600 4.540

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.sour
 23
 548

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.vol
 13 20 26.7
 36 395 117

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.year
 2010 2011 2012 2013 2014
 145 292 63 33 15

patient.samples.sample.portions.portion.analytes.analyte.2.amount:
 Min. 1st Qu. Median Mean 3rd Qu. Max.
 6.59 53.38 74.17 71.71 90.47 148.61

patient.samples.sample.portions.portion.analytes.analyte.2.analyte_type:
 rna
 548

patient.samples.sample.portions.portion.analytes.analyte.2.analyte_type_id:
 r
 548

patient.samples.sample.portions.portion.analytes.analyte.2.concentration:
 Min. 1st Qu. Median Mean 3rd Qu. Max.
 0.1300 0.1500 0.1600 0.1607 0.1700 0.1800

patient.samples.sample.portions.portion.analytes.analyte.2.gel_image_file:
<https://sharedoc.nchri.org/tcga-bcr/default.aspx>
 548

patient.samples.sample.portions.portion.analytes.analyte.2.is_derived_from_ffpe:
 no
 548

patient.samples.sample.portions.portion.analytes.analyte.2.protocols.protocol.ex
 mirvana (allprep dna) rna
 548

patient.samples.sample.portions.portion.analytes.analyte.2.rna.ratio_28s_18s:
 Min. 1st Qu. Median Mean 3rd Qu. Max.
 0.000 1.200 1.485 1.461 1.700 4.100

patient.samples.sample.portions.portion.analytes.analyte.2.rna.rinvalue:
 Min. 1st Qu. Median Mean 3rd Qu. Max.
 7.000 7.500 8.100 8.139 8.700 10.000

patient.samples.sample.portions.portion.analytes.analyte.2.spectrophotometer_met
 uv spec
 548

patient.samples.sample.portions.portion.analytes.analyte.2.subportion_sequence:
 1 2 3 NA's
 491 52 2 3

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.2.bi
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 97500617 99036047 99036578 100819793 99067577 153878512 476

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.2.ce
 8 9 NA's
 26 46 476

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.2.co
 0.5 NA's
 72 476

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.2.da
 15 18 29 NA's
 2 46 24 476

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.2.is
 no NA's
 72 476

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.2.mo
 6 7 8 NA's
 24 2 46 476

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.2.pl
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 1.000 2.000 3.000 4.431 6.250 12.000 476

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.2.pl
 a028 a062 a315 NA's
 24 46 2 476

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.2.qu
 5 40 NA's
 2 70 476

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.2.so
 23 NA's
 72 476

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.2.vo
 10 80 NA's
 2 70 476

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.2.ye
 2010 2013 NA's
 70 2 476

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.bios
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 97500643 100474266 108432724 113165586 118967300 167804457 5

```

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.cent
  8   9 NA's
46 497   5

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.conc
0.5 NA's
543   5

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.day_
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.   NA's
  1.00   8.00   11.00   13.62  21.00   29.00    5

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.is_d
no NA's
543   5

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.mont
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.   NA's
 1.000   3.000   6.000   6.247   9.000  11.000    5

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.plat
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.   NA's
 1.000   3.000   4.000   4.355   5.000  12.000    5

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.quant
  40 NA's
543   5

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.sour
  23 NA's
543   5

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.volun
  80 NA's
543   5

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.year
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.   NA's
 2010   2011   2011   2011   2011   2014    5

patient.samples.sample.portions.portion.analytes.analyte.3.analyte_type:
  repli-g (qiagen) dna repli-g x (qiagen) dna          NA's
                535                8                5

patient.samples.sample.portions.portion.analytes.analyte.3.analyte_type_id:
  w   x NA's
535  8   5

```

patient.samples.sample.portions.portion.analytes.analyte.3.dna.normal_tumor_genome
yes NA's
543 5

patient.samples.sample.portions.portion.analytes.analyte.3.dna.pcr_amplification
yes NA's
543 5

patient.samples.sample.portions.portion.analytes.analyte.3.gel_image_file:
<https://sharedoc.nchri.org/tcga-bcr/default.aspx>
543
NA's
5

patient.samples.sample.portions.portion.analytes.analyte.3.is_derived_from_ffpe:
no NA's
543 5

patient.samples.sample.portions.portion.analytes.analyte.3.protocols.protocol.expression
repli-g repli-g x NA's
511 8 29

patient.samples.sample.portions.portion.analytes.analyte.3.subportion_sequence:
1 2 3 NA's
486 52 2 8

patient.samples.sample.portions.portion.analytes.analyte.4.aliquots.aliquot.2.bi
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
99034900 99035291 100471050 99978708 100471104 100471139 478

patient.samples.sample.portions.portion.analytes.analyte.4.aliquots.aliquot.2.ce
8 9 NA's
24 46 478

patient.samples.sample.portions.portion.analytes.analyte.4.aliquots.aliquot.2.co
0.5 NA's
70 478

patient.samples.sample.portions.portion.analytes.analyte.4.aliquots.aliquot.2.da
18 29 NA's
46 24 478

patient.samples.sample.portions.portion.analytes.analyte.4.aliquots.aliquot.2.is
no NA's
70 478

patient.samples.sample.portions.portion.analytes.analyte.4.aliquots.aliquot.2.mo
6 8 NA's
24 46 478

patient.samples.sample.portions.portion.analytes.analyte.4.aliquots.aliquot.2.pl
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 1.000 2.000 3.000 4.471 6.750 12.000 478

patient.samples.sample.portions.portion.analytes.analyte.4.aliquots.aliquot.2.pl
 a030 a064 NA's
 24 46 478

patient.samples.sample.portions.portion.analytes.analyte.4.aliquots.aliquot.2.qu
 40 NA's
 70 478

patient.samples.sample.portions.portion.analytes.analyte.4.aliquots.aliquot.2.sc
 23 NA's
 70 478

patient.samples.sample.portions.portion.analytes.analyte.4.aliquots.aliquot.2.vo
 80 NA's
 70 478

patient.samples.sample.portions.portion.analytes.analyte.4.aliquots.aliquot.2.ye
 2010 NA's
 70 478

patient.samples.sample.portions.portion.analytes.analyte.4.aliquots.aliquot.bios
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 99052561 99053091 99053631 99080424 99053699 100471057 431

patient.samples.sample.portions.portion.analytes.analyte.4.aliquots.aliquot.cent
 8 9 NA's
 46 71 431

patient.samples.sample.portions.portion.analytes.analyte.4.aliquots.aliquot.conc
 0.5 NA's
 117 431

patient.samples.sample.portions.portion.analytes.analyte.4.aliquots.aliquot.day_
 8 18 29 NA's
 47 46 24 431

patient.samples.sample.portions.portion.analytes.analyte.4.aliquots.aliquot.is_d
 no NA's
 117 431

patient.samples.sample.portions.portion.analytes.analyte.4.aliquots.aliquot.mont
 6 8 11 NA's
 24 46 47 431

patient.samples.sample.portions.portion.analytes.analyte.4.aliquots.aliquot.plat

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1.00	2.00	3.00	4.06	5.00	12.00	431

patient.samples.sample.portions.portion.analytes.analyte.4.aliquots.aliquot.plat
a029 a063 a10d NA's
24 46 47 431

patient.samples.sample.portions.portion.analytes.analyte.4.aliquots.aliquot.quant
40 NA's
117 431

patient.samples.sample.portions.portion.analytes.analyte.4.aliquots.aliquot.sour
23 NA's
117 431

patient.samples.sample.portions.portion.analytes.analyte.4.aliquots.aliquot.vol
80 NA's
117 431

patient.samples.sample.portions.portion.analytes.analyte.4.aliquots.aliquot.year
2010 NA's
117 431

patient.samples.sample.portions.portion.analytes.analyte.4.analyte_type:
repli-g x (qiagen) dna NA's
117 431

patient.samples.sample.portions.portion.analytes.analyte.4.analyte_type_id:
x NA's
117 431

patient.samples.sample.portions.portion.analytes.analyte.4.dna.normal_tumor_gen
yes NA's
117 431

patient.samples.sample.portions.portion.analytes.analyte.4.dna.pcr_amplification
yes NA's
117 431

patient.samples.sample.portions.portion.analytes.analyte.4.gel_image_file:
<https://sharedoc.nchri.org/tcga-bcr/default.aspx>
117
NA's
431

patient.samples.sample.portions.portion.analytes.analyte.4.is_derived_from_ffpe:
no NA's
117 431

patient.samples.sample.portions.portion.analytes.analyte.4.protocols.protocol.ex
 repli-g x NA's
 93 455

patient.samples.sample.portions.portion.analytes.analyte.4.subportion_sequence:
 1 2 3 NA's
 108 8 1 431

patient.samples.sample.portions.portion.analytes.analyte.a260_a280_ratio:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 1.350 1.897 1.950 1.949 2.000 2.850 188

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.2.bios
 Min. 1st Qu. Median Mean 3rd Qu. Max.
 99014631 100474959 108431160 111118934 118963662 167822340

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.2.cent
 1 2 5 9
 248 228 71 1

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.2.conc
 Min. 1st Qu. Median Mean 3rd Qu. Max.
 0.0800 0.1500 0.1600 0.1581 0.1700 0.1800

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.2.day_
 Min. 1st Qu. Median Mean 3rd Qu. Max.
 1.00 15.00 18.00 19.61 28.00 31.00

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.2.is_d
 no
 548

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.2.mont
 Min. 1st Qu. Median Mean 3rd Qu. Max.
 1.000 3.000 5.000 5.752 8.000 12.000

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.2.plat
 Min. 1st Qu. Median Mean 3rd Qu. Max.
 1.000 3.000 4.000 4.133 5.000 12.000

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.2.quan
 Min. 1st Qu. Median Mean 3rd Qu. Max.
 0.870 1.070 1.845 1.881 2.210 4.540

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.2.sour
 23
 548

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.2.vol
 Min. 1st Qu. Median Mean 3rd Qu. Max.
 6.67 6.70 13.00 11.91 13.00 40.00

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.2.year
 2010 2011 2012 2013 2014
 145 292 63 33 15

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.3.bios
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 99027978 100476830 108432090 111502046 116194753 167780530 1

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.3.cent
 1 2 5 9 NA's
 286 47 20 194 1

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.3.conc
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 0.0700 0.0800 0.1500 0.1302 0.1600 0.1800 1

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.3.day_
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 1.00 15.00 18.00 19.58 28.00 31.00 1

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.3.is_d
 no NA's
 547 1

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.3.mont
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 1.000 3.000 5.000 5.757 8.000 12.000 1

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.3.plat
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 1.000 3.000 4.000 4.132 5.000 12.000 1

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.3.quan
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 0.870 1.070 1.200 1.914 3.200 3.600 1

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.3.sour
 23 NA's
 547 1

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.3.vol
 6.67 6.7 13 40 NA's
 278 8 67 194 1

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.3.year							
Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's	
2010	2010	2011	2011	2011	2014	1	

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.4.bios							
Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's	
99014951	100474620	108476460	111561787	113421787	167780460	2	

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.4.cent							
1	2	5	9 NA's				
12	73	232	229	2			

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.4.conc							
Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's	
0.0700	0.0800	0.1500	0.1248	0.1600	0.1800	2	

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.4.day_							
Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's	
1.00	15.00	18.00	20.21	28.00	31.00	2	

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.4.is_d							
no NA's							
546	2						

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.4.mont							
Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's	
1.000	3.000	5.000	5.758	8.000	12.000	2	

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.4.plat							
Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's	
1.000	3.000	4.000	4.137	5.000	12.000	2	

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.4.quan							
Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's	
0.930	1.950	2.210	2.713	3.600	4.810	2	

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.4.sour							
23 NA's							
546	2						

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.4.volu							
Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's	
6.70	13.00	26.00	24.94	40.00	53.40	2	

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.4.year							
Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's	
2010	2010	2011	2011	2011	2014	2	

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.5.bios
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 97500645 99019568 99067569 103621007 108474667 113421639 176

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.5.cent
 5 8 9 NA's
 225 70 77 176

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.5.conc
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 0.0700 0.0800 0.1500 0.1285 0.1600 0.1800 176

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.5.day_
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 6.00 12.00 16.00 15.83 18.00 29.00 176

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.5.is_d
 no NA's
 372 176

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.5.mont
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 1.00 2.00 5.00 5.61 8.00 12.00 176

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.5.plat
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 1.000 2.000 4.000 4.376 6.000 12.000 176

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.5.quant
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 0.930 2.080 3.740 3.126 4.270 4.810 176

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.5.sour
 23 NA's
 372 176

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.5.vol
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 13.00 20.00 26.70 23.87 26.70 26.70 176

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.5.year
 2010 2011 NA's
 145 227 176

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.6.addi
 fppp NA's
 3 545

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.6.addi
tcga NA's
3 545

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.6.bcr_
ffpe validation NA's
3 545

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.6.bios
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
97500622 99029439 99067536 103646220 100476682 160356063 417

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.6.cent
2 5 9 NA's
24 48 59 417

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.6.conc
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
0.0700 0.0800 0.1400 0.1215 0.1600 0.1700 417

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.6.day_
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
13.00 18.00 20.00 21.28 20.00 31.00 417

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.6.is_d
no NA's
131 417

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.6.mont
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
1.000 8.000 8.000 9.298 12.000 12.000 417

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.6.plat
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
1.000 2.000 4.000 4.534 6.000 12.000 417

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.6.quan
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
0.930 1.070 2.080 2.577 4.010 10.720 417

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.6.sour
23 NA's
131 417

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.6.volu
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
13.00 13.34 13.34 20.36 26.70 129.00 417

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.6.year
 2010 2011 2012 2013 NA's
 117 3 2 9 417

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.7.addi
 fpp NA's
 4 544

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.7.addi
 tcga NA's
 4 544

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.7.bcr_
 ffpe validation NA's
 4 544

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.7.bios
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 99054847 105041336 132267439 131367604 145675746 167811797 531

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.7.cent
 1 5 9 NA's
 3 6 8 531

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.7.conc
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 0.0700 0.0800 0.1300 0.1153 0.1500 0.1700 531

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.7.day_
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 13.00 16.00 20.00 21.53 26.00 31.00 531

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.7.is_d
 no NA's
 17 531

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.7.mont
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 1.000 3.000 7.000 5.588 9.000 12.000 531

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.7.plat
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 1.000 1.000 3.000 3.706 7.000 8.000 531

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.7.quan
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 0.870 1.400 3.200 3.014 4.010 6.800 531

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.7.sour
 23 NA's
 17 531

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.7.volu
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 6.70 20.00 26.70 26.29 40.00 40.00 531

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.7.year
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 2010 2011 2012 2012 2013 2015 531

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.8.addi
 fppp NA's
 4 544

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.8.addi
 tcga NA's
 4 544

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.8.bcr_
 tcga-bk-a0ca-01a-21d-a27b-05 tcga-bk-a0cc-01a-21d-a275-01
 1 1
 tcga-bk-a139-01a-11d-a27b-05 tcga-bk-a261-01a-11d-a27b-05
 1 1
 NA's
 544

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.8.bcr_
 02af7906-342c-4e78-bfa8-f65a65652563 16265fc6-60ae-4873-b71e-feb25d3c94b6
 1 1
 bb8680b9-5753-4ee4-8260-e9373fd4aaa7 f4d7d989-8926-4fbd-acc4-ab39a6d82030
 1 1
 NA's
 544

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.8.bcr_
 ffpe validation NA's
 4 544

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.8.bios
 132159752 132160009 132160024 145675723 NA's
 1 1 1 1 544

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.8.cent
 1 5 NA's
 1 3 544

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.8.conc
 0.13 0.14 0.16 0.17 NA's
 1 1 1 1 544

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.8.day_
 13 14 NA's
 3 1 544

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.8.is_d
 no NA's
 4 544

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.8.mont
 3 NA's
 4 544

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.8.plat
 1 3 NA's
 3 1 544

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.8.plat
 a275 a27b NA's
 1 3 544

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.8.plat
 a f g h NA's
 1 1 1 1 544

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.8.quant
 0.87 0.94 1.07 1.14 NA's
 1 1 1 1 544

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.8.sour
 23 NA's
 4 544

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.8.vol
 6.7 NA's
 4 544

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.8.year
 2013 NA's
 4 544

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.9.addi
 fppp NA's
 1 547

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.9.addi
 tcga NA's
 1 547

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.9.bcr_
 tcga-bk-a0ca-01a-21d-a46w-08 tcga-bk-a0cc-01a-21d-a27b-05
 1 1
 tcga-bk-a139-01a-11d-a46w-08 tcga-bk-a26l-01a-11d-a46w-08

1
NA's
544

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.9.bcr_57821c5a-ed19-4d9b-98f7-dd9e1fb39732 6dcccfe1c-ac6e-470b-ae4c-0ee22f53a451
1 1
88a9c649-5b32-4523-ab0a-ffabd934434d 8a403346-57d2-48e3-81c7-25ca892f33a9
1 1
NA's
544

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.9.bcr_ffpe validation NA's
1 547

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.9.bios_132159796 145674263 145674264 145674287 NA's
1 1 1 1 544

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.9.cent_5 8 NA's
1 3 544

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.9.conc_0.07 0.08 0.14 NA's
1 2 1 544

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.9.day_3 13 NA's
3 1 544

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.9.is_d no NA's
4 544

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.9.mont_3 8 NA's
1 3 544

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.9.plat_3 9 10 NA's
1 1 2 544

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.9.plat_a27b a46w NA's
1 3 544

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.9.plat_a d f NA's
2 1 1 544

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.9.quant
0.94 1.4 1.6 NA's
1 1 2 544

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.9.sour
23 NA's
4 544

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.9.vol
6.7 20 NA's
1 3 544

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.9.year
2013 2015 NA's
1 3 544

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.biospe
167780543 NA's
1 547

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.center
1 23
1 547

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.concen
0.15 NA's
1 547

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.day_of
14 NA's
1 547

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.is_der
no NA's
1 547

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.month_
5 NA's
1 547

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.plate_
1 NA's
1 547

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.plate_
a402 yyyy
1 547

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.plate_
a NA's

1 547

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.quantity
1.01 NA's

1 547

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.source
23
548

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.volume
6.7 NA's

1 547

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.year_o
2014 NA's

1 547

patient.samples.sample.portions.portion.analytes.analyte.amount:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
10.77	54.38	71.76	72.54	91.52	145.04	2

patient.samples.sample.portions.portion.analytes.analyte.analyte_type:

dna

548

patient.samples.sample.portions.portion.analytes.analyte.analyte_type_id:

d

548

patient.samples.sample.portions.portion.analytes.analyte.concentration:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.
0.1300	0.1500	0.1600	0.1582	0.1700	0.1800

patient.samples.sample.portions.portion.analytes.analyte.dna.normal_tumor_genoty

yes

548

patient.samples.sample.portions.portion.analytes.analyte.dna.pcr_amplification_s

yes

548

patient.samples.sample.portions.portion.analytes.analyte.gel_image_file:

<https://sharedoc.nchri.org/tcga-bcr/default.aspx>

548

patient.samples.sample.portions.portion.analytes.analyte.is_derived_from_ffpe:

no

548

patient.samples.sample.portions.portion.analytes.analyte.protocols.protocol.expe
adna preparation type
548

patient.samples.sample.portions.portion.analytes.analyte.spectrophotometer_metho
picogreen uv spec
186 362

patient.samples.sample.portions.portion.analytes.analyte.subportion_sequence:
1 2 3 NA's
491 52 2 3

patient.samples.sample.portions.portion.day_of_creation:
Min. 1st Qu. Median Mean 3rd Qu. Max.
1.00 7.00 14.00 14.49 22.00 31.00

patient.samples.sample.portions.portion.is_ffpe:
no
548

patient.samples.sample.portions.portion.month_of_creation:
Min. 1st Qu. Median Mean 3rd Qu. Max.
1.000 3.000 6.000 6.557 10.000 12.000

patient.samples.sample.portions.portion.portion_number:
Min. 1st Qu. Median Mean 3rd Qu. Max.
11 11 11 13 11 51

patient.samples.sample.portions.portion.portion_sequence:
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
1.00 1.00 1.00 1.19 1.00 5.00 10

patient.samples.sample.portions.portion.slides.slide.2.is_derived_from_ffpe:
no NA's
194 354

patient.samples.sample.portions.portion.slides.slide.2.percent_lymphocyte_infilt
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
0.00 0.00 3.00 10.96 20.00 90.00 355

patient.samples.sample.portions.portion.slides.slide.2.percent_monocyte_infiltra
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
0.000 0.000 0.000 3.114 1.000 30.000 355

patient.samples.sample.portions.portion.slides.slide.2.percent_necrosis:
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
0.000 0.000 3.000 5.461 10.000 30.000 355

```

patient.samples.sample.portions.portion.slides.slide.2.percent_neutrophil_infiltration:
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.   NA's
  0.000  0.000  0.000   6.016 10.000  57.000   355

patient.samples.sample.portions.portion.slides.slide.2.percent_normal_cells:
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.   NA's
  0.000  0.000  0.000   4.668  5.000  59.000   355

patient.samples.sample.portions.portion.slides.slide.2.percent_stromal_cells:
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.   NA's
  0.000  0.000  5.000   9.435 15.000  67.000   355

patient.samples.sample.portions.portion.slides.slide.2.percent_tumor_cells:
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.   NA's
  0.00  70.00  80.00  80.46  95.00 100.00   355

patient.samples.sample.portions.portion.slides.slide.2.percent_tumor_nuclei:
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.   NA's
  0.00  70.00  80.00  79.31  90.00 100.00   355

patient.samples.sample.portions.portion.slides.slide.2.section_location:
bottom    top    NA's
   8     186   354

patient.samples.sample.portions.portion.slides.slide.is_derived_from_ffpe:
no
548

patient.samples.sample.portions.portion.slides.slide.percent_lymphocyte_infiltration:
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.   NA's
  0.00  0.00  4.00  12.95  20.00  90.00    1

patient.samples.sample.portions.portion.slides.slide.percent_monocyte_infiltration:
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.   NA's
  0.000  0.000  0.000  5.049  6.000  40.000    1

patient.samples.sample.portions.portion.slides.slide.percent_necrosis:
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.   NA's
  0.000  0.000  5.000  5.605 10.000  60.000    1

patient.samples.sample.portions.portion.slides.slide.percent_neutrophil_infiltration:
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.   NA's
  0.000  0.000  1.000  6.899 10.000  57.000    1

patient.samples.sample.portions.portion.slides.slide.percent_normal_cells:
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.   NA's
  0.000  0.000  0.000  3.576  0.000  70.000    1

```

patient.samples.sample.portions.portion.slides.slide.percent_stromal_cells:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 0.00 0.00 7.00 10.86 20.00 92.00 1

patient.samples.sample.portions.portion.slides.slide.percent_tumor_cells:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 5.00 70.00 80.00 80.04 90.00 100.00 1

patient.samples.sample.portions.portion.slides.slide.percent_tumor_nuclei:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 2.00 70.00 80.00 79.52 90.00 100.00 1

patient.samples.sample.portions.portion.slides.slide.section_location:
 bottom top
 188 360

patient.samples.sample.portions.portion.weight:
 Min. 1st Qu. Median Mean 3rd Qu. Max.
 10.00 30.00 30.00 28.78 30.00 40.00

patient.samples.sample.portions.portion.year_of_creation:
 2010 2011 2012 2013 2014
 213 251 45 34 5

patient.samples.sample.portions.shipment_portion.center_id:
 20 NA's
 440 108

patient.samples.sample.portions.shipment_portion.is_ffpe:
 no NA's
 440 108

patient.samples.sample.portions.shipment_portion.portion_number:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 11.00 21.00 21.00 20.28 21.00 41.00 108

patient.samples.sample.portions.shipment_portion.portion_sequence:
 1 2 3 4 NA's
 47 377 5 4 115

patient.samples.sample.portions.shipment_portion.shipment_portion_day_of_shipment:
 11 14 30 31 NA's
 116 88 36 200 108

patient.samples.sample.portions.shipment_portion.shipment_portion_month_of_shipment:
 5 7 10 11 NA's
 200 36 116 88 108

patient.samples.sample.portions.shipment_portion.shipment_portion_year_of_shipment:

2010 2011 2012 2014 NA's
 1 315 88 36 108

patient.samples.sample.sample_type:
 primary tumor
 548

patient.samples.sample.sample_type_id:
 1
 548

patient.samples.sample.vial_number:
 a b
 542 6

patient_type:
 Tumor NA's
 373 175

age:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 31.00 56.00 63.00 63.13 70.00 90.00 175

histology:
 Endometrioid Mixed Serous NA's
 307 13 53 175

tumor_grade:
 Grade 1 Grade 2 Grade 3 NA's
 89 106 178 175

vital_status.y:
 DECEASED LIVING Unknown NA's
 39 332 2 175

disease_status_at_lfu:
 NoDisease Unknown WithDisease NA's
 299 29 45 175

recurred_progressed:
 No Unknown Yes NA's
 279 22 72 175

ethnicity:
 HISPANIC OR LATINO NOT HISPANIC OR LATINO Unknown
 8 257 108
 NA's

175

```

msi_status_7_marker_call:
Indeterminant      MSI-H      MSI-L      MSS      NA's
                   3          127        20        223      175

cna_cluster_k4:
  1   2   3   4 NA's
86 129 55 93 185

mrna_expression_cluster:
  1   2   3 NA's
126 111 96 215

```

UCS

*Uterine Carcinosarcoma***Description**

A document describing the TCGA cancer code

Details

```

> experiments( UCS )
ExperimentList class object of length 9:
 [1] CNASNP-20160128: RaggedExperiment with 54944 rows and 111 columns
 [2] CNVSNP-20160128: RaggedExperiment with 19298 rows and 111 columns
 [3] GISTIC_AllByGene-20160128: SummarizedExperiment with 24776 rows and 56 columns
 [4] GISTIC_ThresholdedByGene-20160128: SummarizedExperiment with 24776 rows and 56 columns
 [5] Methylation-20160128: SummarizedExperiment with 485577 rows and 57 columns
 [6] miRNASeqGene-20160128: SummarizedExperiment with 1046 rows and 56 columns
 [7] Mutation-20160128: RaggedExperiment with 11339 rows and 57 columns
 [8] RNASeq2GeneNorm-20160128: SummarizedExperiment with 20501 rows and 57 columns
 [9] RPPAArray-20160128: SummarizedExperiment with 192 rows and 48 columns

> rownames( UCS )
CharacterList of length 9
[["CNASNP-20160128"]] character(0)
[["CNVSNP-20160128"]] character(0)
[["GISTIC_AllByGene-20160128"]] ACAP3 ACTRT2 ... WASIR1|ENSG00000185203.7
[["GISTIC_ThresholdedByGene-20160128"]] ACAP3 ... WASIR1|ENSG00000185203.7
[["Methylation-20160128"]] cg00000029 cg00000108 ... rs966367 rs9839873
[["miRNASeqGene-20160128"]] hsa-let-7a-1 hsa-let-7a-2 ... hsa-mir-99b
[["Mutation-20160128"]] character(0)
[["RNASeq2GeneNorm-20160128"]] A1BG A1CF A2BP1 A2LD1 ... ZZZ3 psiTPTE22 tAKR
[["RPPAArray-20160128"]] 14-3-3_beta 14-3-3_epsilon ... p90RSK_pT359_S363

> colnames( UCS )

```

CharacterList of length 9

```
[["CNASNP-20160128"]] TCGA-N5-A4R8-10A-01D-A28T-01 ...
[["CNVSNP-20160128"]] TCGA-N5-A4R8-10A-01D-A28T-01 ...
[["GISTIC_AllByGene-20160128"]] TCGA-N5-A4RA-01A-11D-A28Q-01 ...
[["GISTIC_ThresholdedByGene-20160128"]] TCGA-N5-A4RA-01A-11D-A28Q-01 ...
[["Methylation-20160128"]] TCGA-N5-A4R8-01A-11D-A28S-05 ...
[["miRNASeqGene-20160128"]] TCGA-N5-A4R8-01A-11R-A28Z-13 ...
[["Mutation-20160128"]] TCGA-N5-A4R8-01A-11D-A28R-08 ...
[["RNASeq2GeneNorm-20160128"]] TCGA-N5-A4R8-01A-11R-A28V-07 ...
[["RPPAArray-20160128"]] TCGA-N5-A4R8-01A-21-A41P-20 ...
```

Sizes of each ExperimentList element:

	assay	size.Mb
1	CNASNP-20160128	1.5 Mb
2	CNVSNP-20160128	0.6 Mb
3	GISTIC_AllByGene-20160128	4.3 Mb
4	GISTIC_ThresholdedByGene-20160128	4.3 Mb
5	Methylation-20160128	67.4 Mb
6	miRNASeqGene-20160128	0.1 Mb
7	Mutation-20160128	18.7 Mb
8	RNASeq2GeneNorm-20160128	1.1 Mb
9	RPPAArray-20160128	0 Mb

Overall survival time-to-event summary (in years):

Call: survfit(formula = survival::Surv(colDat\$days_to_death/365, colDat\$vital_status - 1))

```
22 observations deleted due to missingness
  n events median 0.95LCL 0.95UCL
35.00 35.00 1.43 1.04 1.96
```

Available sample meta-data:

years_to_birth:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.
51.00	62.00	68.00	69.72	76.00	90.00

vital_status:

```
0 1
22 35
```

days_to_death:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
8.0	304.0	522.0	705.4	790.5	3115.0	22

days_to_last_followup:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0.0	591.2	828.0	1183.4	1647.5	4269.0	35

tumor_tissue_site:

uterus
57

gender:

female
57

date_of_initial_pathologic_diagnosis:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.
2002	2007	2009	2009	2011	2012

radiation_therapy:

no	yes	NA's
29	25	3

histological_type:

uterine carcinosarcoma/ malignant mixed mullerian tumor (mummt): nos	24
uterine carcinosarcoma/ mummt: heterologous type	20
uterine carcinosarcoma/mummt: homologous type	13

race:

asian	3	black or african american	9	white	44
NA's	1				

ethnicity:

hispanic or latino	not hispanic or latino	NA's
1	43	13

admin.bcr:

nationwide children's hospital
57

admin.day_of_dcc_upload:

1
57

admin.disease_code:

ucs
57


```

patient.clinical_cqcf.normal_tissue_anatomic_site:
fallopian tube      myometrium      other      ovary      NA's
                   1                2                2                3                49

patient.clinical_cqcf.normal_tissue_proximity:
distal (>2cm)      NA's
                   8                49

patient.clinical_cqcf.tumor_type:
primary
                   57

patient.colorectal_cancer:
no  yes NA's
50  1   6

patient.day_of_form_completion:
Min. 1st Qu.  Median    Mean 3rd Qu.  Max.
3.00  5.00  17.00  15.49  25.00  26.00

patient.days_to_birth:
Min. 1st Qu.  Median    Mean 3rd Qu.  Max.
-32872 -27772 -25185 -25686 -22978 -18806

patient.days_to_death:
Min. 1st Qu.  Median    Mean 3rd Qu.  Max.  NA's
8.0  269.0  501.5  657.1  780.8  3115.0  25

patient.days_to_last_followup:
Min. 1st Qu.  Median    Mean 3rd Qu.  Max.  NA's
0.0  325.2  513.5  903.1  1381.5  2841.0  31

patient.diabetes:
no  yes NA's
45  6   6

patient.drugs.drug.2.clinical_trail_drug_classification:
paclitaxel      NA's
                 1        56

patient.drugs.drug.2.day_of_form_completion:
Min. 1st Qu.  Median    Mean 3rd Qu.  Max.  NA's
3.00  6.25  19.00  16.79  26.00  26.00  23

patient.drugs.drug.2.days_to_drug_therapy_end:
Min. 1st Qu.  Median    Mean 3rd Qu.  Max.  NA's
63.0  147.0  168.0  205.7  194.8  1128.0  25

patient.drugs.drug.2.days_to_drug_therapy_start:

```

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
13.0	57.0	69.5	105.0	86.5	771.0	25

patient.drugs.drug.2.measure_of_response:

clinical progressive disease	complete response
5	21
partial response	stable disease
3	4
NA's	
24	

patient.drugs.drug.2.month_of_form_completion:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
2.000	3.000	5.000	4.059	5.000	7.000	23

patient.drugs.drug.2.therapy_ongoing:

no NA's
34 23

patient.drugs.drug.2.therapy_types.therapy_type:

ancillary chemotherapy	NA's
1 33	23

patient.drugs.drug.2.tx_on_clinical_trial:

no	yes	NA's
32	2	23

patient.drugs.drug.2.year_of_form_completion:

2013	2014	NA's
22	12	23

patient.drugs.drug.3.clinical_trail_drug_classification:

gemcitabine	NA's
1	56

patient.drugs.drug.3.day_of_form_completion:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
6.00	7.00	18.50	16.67	24.00	26.00	45

patient.drugs.drug.3.days_to_drug_therapy_end:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
140.0	203.0	236.0	427.9	565.8	1555.0	45

patient.drugs.drug.3.days_to_drug_therapy_start:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
57.0	116.8	181.0	350.6	503.8	1470.0	45

patient.drugs.drug.3.measure_of_response:

clinical progressive disease	complete response
4	5
partial response	NA's
2	46

patient.drugs.drug.3.month_of_form_completion:

2	3	5	6	NA's
4	4	2	2	45

patient.drugs.drug.3.therapy_ongoing:

no	NA's
12	45

patient.drugs.drug.3.therapy_types.therapy_type:

chemotherapy	NA's
12	45

patient.drugs.drug.3.tx_on_clinical_trial:

no	yes	NA's
11	1	45

patient.drugs.drug.3.year_of_form_completion:

2013	2014	NA's
4	8	45

patient.drugs.drug.4.clinical_trial_drug_classification:

docetaxel	NA's
1	56

patient.drugs.drug.4.day_of_form_completion:

6	7	19	24	NA's
1	2	1	1	52

patient.drugs.drug.4.days_to_drug_therapy_end:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
314.0	557.0	649.0	833.8	690.0	1959.0	52

patient.drugs.drug.4.days_to_drug_therapy_start:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
291	495	530	776	690	1874	52

patient.drugs.drug.4.drug_name:

avastin	cytoxan	docetaxel	paclitaxel	NA's
1	1	1	2	52

patient.drugs.drug.4.measure_of_response:

clinical progressive disease	partial response
3	1
NA's	
53	

patient.drugs.drug.4.month_of_form_completion:

2	3	6	NA's
2	2	1	52

patient.drugs.drug.4.therapy_ongoing:

no	NA's
5	52

patient.drugs.drug.4.therapy_types.therapy_type:

chemotherapy	immunotherapy	NA's
4	1	52

patient.drugs.drug.4.tx_on_clinical_trial:

no	yes	NA's
4	1	52

patient.drugs.drug.4.year_of_form_completion:

2013	2014	NA's
1	4	52

patient.drugs.drug.5.bcr_drug_barcode:

tcga-n7-a4y0-d56713	tcga-n9-a4pz-d57300	tcga-n9-a4q1-d57294	tcga-ng-a4vu-d44645
1	1	1	1
NA's			
53			

patient.drugs.drug.5.bcr_drug_uuid:

2c1cf146-347c-403c-9747-c4f0add48ffb	c958773d-c7ff-4da4-bc77-ce6eb6bbe424
1	1
d96f651e-be0b-469f-b670-5243ce8497ae	f1a4d20f-e485-4139-8305-2004a364c4f4
1	1
NA's	
53	

patient.drugs.drug.5.day_of_form_completion:

7	19	24	NA's
2	1	1	53

patient.drugs.drug.5.days_to_drug_therapy_end:

314	324	993	1959	NA's
1	1	1	1	53

patient.drugs.drug.5.days_to_drug_therapy_start:

291	305	586	1874	NA's
1	1	1	1	53

patient.drugs.drug.5.drug_name:

adriamycin	carboplatin	cisplatin	NA's
1	2	1	53

patient.drugs.drug.5.measure_of_response:

clinical progressive disease	stable disease
2	1
NA's	
54	

patient.drugs.drug.5.month_of_form_completion:
2 3 6 NA's
1 2 1 53

patient.drugs.drug.5.therapy_ongoing:
no NA's
4 53

patient.drugs.drug.5.therapy_types.therapy_type:
chemotherapy NA's
4 53

patient.drugs.drug.5.tx_on_clinical_trial:
no NA's
4 53

patient.drugs.drug.5.year_of_form_completion:
2013 2014 NA's
1 3 53

patient.drugs.drug.6.bcr_drug_barcode:
tcga-ng-a4vu-d44646 NA's
1 56

patient.drugs.drug.6.bcr_drug_uuid:	NA's
80cdb638-d5d1-4276-a857-c655bd4a2fef	
1	56

patient.drugs.drug.6.day_of_form_completion:
24 NA's
1 56

patient.drugs.drug.6.days_to_drug_therapy_end:
314 NA's
1 56

patient.drugs.drug.6.days_to_drug_therapy_start:
291 NA's
1 56

patient.drugs.drug.6.drug_name:
cisplatin NA's
1 56

patient.drugs.drug.6.month_of_form_completion:
6 NA's
1 56

patient.drugs.drug.6.therapy_ongoing:

no NA's
1 56

patient.drugs.drug.6.therapy_types.therapy_type:

chemotherapy NA's
1 56

patient.drugs.drug.6.tx_on_clinical_trial:

no NA's
1 56

patient.drugs.drug.6.year_of_form_completion:

2013 NA's
1 56

patient.drugs.drug.clinical_trial_drug_classification:

carboplatin cisplatin NA's
1 1 55

patient.drugs.drug.day_of_form_completion:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
3.00	6.50	18.00	16.28	26.00	26.00	18

patient.drugs.drug.days_to_drug_therapy_end:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
95.0	147.0	168.0	204.5	200.2	1128.0	21

patient.drugs.drug.days_to_drug_therapy_start:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
13.00	57.00	67.00	99.95	85.00	771.00	20

patient.drugs.drug.measure_of_response:

clinical progressive disease	complete response
6	23
partial response	stable disease
3	4
NA's	
21	

patient.drugs.drug.month_of_form_completion:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
2.000	3.000	5.000	4.231	5.000	11.000	18

patient.drugs.drug.therapy_ongoing:

no yes NA's
38 1 18

patient.drugs.drug.therapy_types.therapy_type:

	ancillary	chemotherapy
	1	36
targeted molecular therapy		NA's
	1	19

patient.drugs.drug.tx_on_clinical_trial:

no	yes	NA's
35	4	18

patient.drugs.drug.year_of_form_completion:

2013	2014	NA's
25	14	18

patient.ethnicity:

hispanic or latino	not hispanic or latino	NA's
1	43	13

patient.follow_ups.follow_up.2.bcr_followup_barcode:

tcga-n8-a4pp-f57616	tcga-n8-a56s-f50694	tcga-nd-a4wc-f58371	NA's
1	1	1	54

patient.follow_ups.follow_up.2.bcr_followup_uuid:

6fcc578f-3bcd-414d-a01c-422957b6f110	98db6c5b-81bf-4729-a5f4-075d0c0952cf
1	1
d744de82-5993-46c7-9472-d440b92f5712	NA's
1	54

patient.follow_ups.follow_up.2.birth_control_pill_history_usage_category:

never used	NA's
1	56

patient.follow_ups.follow_up.2.colorectal_cancer:

no	NA's
1	56

patient.follow_ups.follow_up.2.day_of_form_completion:

8	18	29	NA's
1	1	1	54

patient.follow_ups.follow_up.2.days_to_death:

371	611	NA's
1	1	55

patient.follow_ups.follow_up.2.days_to_last_followup:

766	NA's
1	56

patient.follow_ups.follow_up.2.diabetes:

no	NA's
1	56

patient.follow_ups.follow_up.2.horm_ther:

no, i have never taken menopausal hormone therapy.
 1
 NA's
 56

patient.follow_ups.follow_up.2.hypertension:

yes NA's
 1 56

patient.follow_ups.follow_up.2.lost_follow_up:

no NA's
 3 54

patient.follow_ups.follow_up.2.month_of_form_completion:

3 4 10 NA's
 1 1 1 54

patient.follow_ups.follow_up.2.new_tumor_events.new_tumor_event_after_initial_tr

no yes NA's
 1 2 54

patient.follow_ups.follow_up.2.person_neoplasm_cancer_status:

tumor free NA's
 1 56

patient.follow_ups.follow_up.2.postoperative_rx_tx:

no yes NA's
 1 2 54

patient.follow_ups.follow_up.2.pregnancies:

4+ NA's
 1 56

patient.follow_ups.follow_up.2.primary_therapy_outcome_success:

complete remission/response	partial remission/response
1	1
stable disease	NA's
1	54

patient.follow_ups.follow_up.2.prior_tamoxifen_administered_usage_category:

never used NA's
 1 56

patient.follow_ups.follow_up.2.radiation_therapy:

no yes NA's
 2 1 54

patient.follow_ups.follow_up.2.vital_status:

alive dead NA's
 1 2 54

patient.follow_ups.follow_up.2.year_of_form_completion:
 2013 2014 NA's
 1 2 54

patient.follow_ups.follow_up.3.bcr_followup_barcode:
 tcga-nd-a4wc-f51564 NA's
 1 56

patient.follow_ups.follow_up.3.bcr_followup_uuid:
 07ba4a87-1b93-4ce0-b13f-clc98087ff4d NA's
 1 56

patient.follow_ups.follow_up.3.birth_control_pill_history_usage_category:
 never used NA's
 1 56

patient.follow_ups.follow_up.3.colorectal_cancer:
 no NA's
 1 56

patient.follow_ups.follow_up.3.day_of_form_completion:
 29 NA's
 1 56

patient.follow_ups.follow_up.3.days_to_last_followup:
 698 NA's
 1 56

patient.follow_ups.follow_up.3.diabetes:
 no NA's
 1 56

patient.follow_ups.follow_up.3.horm_ther:
 no, i have never taken menopausal hormone therapy.
 1
 NA's
 56

patient.follow_ups.follow_up.3.hypertension:
 yes NA's
 1 56

patient.follow_ups.follow_up.3.lost_follow_up:
 no NA's
 1 56

patient.follow_ups.follow_up.3.month_of_form_completion:
 4 NA's
 1 56

patient.follow_ups.follow_up.3.new_tumor_events.new_tumor_event_after_initial_tr
 no NA's

1 56

patient.follow_ups.follow_up.3.person_neoplasm_cancer_status:
 tumor free NA's
 1 56

patient.follow_ups.follow_up.3.postoperative_rx_tx:
 yes NA's
 1 56

patient.follow_ups.follow_up.3.pregnancies:
 4+ NA's
 1 56

patient.follow_ups.follow_up.3.primary_therapy_outcome_success:
 complete remission/response NA's
 1 56

patient.follow_ups.follow_up.3.prior_tamoxifen_administered_usage_category:
 never used NA's
 1 56

patient.follow_ups.follow_up.3.radiation_therapy:
 yes NA's
 1 56

patient.follow_ups.follow_up.3.vital_status:
 alive NA's
 1 56

patient.follow_ups.follow_up.3.year_of_form_completion:
 2014 NA's
 1 56

patient.follow_ups.follow_up.birth_control_pill_history_usage_category:
 former user never used NA's
 2 3 52

patient.follow_ups.follow_up.colorectal_cancer:
 no NA's
 8 49

patient.follow_ups.follow_up.day_of_form_completion:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 1.00 10.00 13.00 14.05 17.00 27.00 36

patient.follow_ups.follow_up.days_to_death:
 167 317 714 2680 NA's
 1 1 1 1 53

patient.follow_ups.follow_up.days_to_last_followup:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
295	587	829	1312	1806	4269	40

patient.follow_ups.follow_up.diabetes:

no	yes	NA's
9	1	47

patient.follow_ups.follow_up.horm_ther:

no, i have never taken menopausal hormone therapy.

7
NA's
50

patient.follow_ups.follow_up.hypertension:

no	yes	NA's
3	7	47

patient.follow_ups.follow_up.lost_follow_up:

no	NA's
21	36

patient.follow_ups.follow_up.month_of_form_completion:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1.000	2.000	4.000	3.857	5.000	7.000	36

patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.2.additional_pharm

yes	NA's
1	56

patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.2.days_to_new_tumor

199	NA's
1	56

patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.2.new_neoplasm_event

lymph node(s)	NA's
1	56

patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.2.new_neoplasm_event

progression of disease	NA's
1	56

patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.2.new_tumor_event

no	NA's
1	56

patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.additional_pharmac

no	yes	NA's
2	2	53

patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.additional_radiati

no	yes	NA's
----	-----	------

2 1 54

patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.days_to_new_tumor_155 NA's
1 56

patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.days_to_new_tumor_155 NA's
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
153.0 231.0 410.0 708.2 516.2 2553.0 51

patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.new_neoplasm_event_lung lymph node(s) other, specify pelvis NA's
1 2 1 2 51

patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.new_neoplasm_event_distant metastasis locoregional recurrence progression of disease NA's
1 4 1
NA's
51

patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.new_neoplasm_occurrence_vagina NA's
1 56

patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.new_tumor_event_adjuvant no yes NA's
4 1 52

patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.recurrence_second_surgery excisional biopsy NA's
1 56

patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.residual_tumor:rx NA's
1 56

patient.follow_ups.follow_up.new_tumor_events.new_tumor_event_after_initial_treatment no yes NA's
13 8 36

patient.follow_ups.follow_up.person_neoplasm_cancer_status:tumor free with tumor NA's
11 9 37

patient.follow_ups.follow_up.postoperative_rx_tx: no yes NA's
6 14 37

patient.follow_ups.follow_up.pregnancies: 0 2 3 4+ NA's
1 4 3 1 48


```

patient.follow_ups.follow_up.primary_therapy_outcome_success:
complete remission/response  partial remission/response
                                12                          1
      progressive disease                stable disease
                                3                          1
                                NA's
                                40

```

```

patient.follow_ups.follow_up.prior_tamoxifen_administered_usage_category:
never used      NA's
              10      47

```

```

patient.follow_ups.follow_up.radiation_therapy:
no  yes NA's
 9  11  37

```

```

patient.follow_ups.follow_up.vital_status:
alive  dead  NA's
  17     4    36

```

```

patient.follow_ups.follow_up.year_of_form_completion:
2013 2014 2015 NA's
   5   13   3   36

```

```

patient.gender:
female
   57

```

```

patient.height:
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.   NA's
138.0  153.5   157.5   157.7  162.0   172.0     5

```

```

patient.history_of_neoadjuvant_treatment:
no
57

```

```

patient.horm_ther:
                                no, i have never taken menopausal hormone therapy.
                                                                29
yes, i have taken menopausal hormone therapy in the past, but no longer do.
                                                                7
                                                                NA's
                                                                21

```

```

patient.hypertension:
no  yes NA's
24  28   5

```

```

patient.icd_o_3_histology:
8090/3 8950/3 8951/3 8980/3
      1     45     1     10

```

patient.informed_consent_verified:

yes

57

patient.menopause_status:

peri (6-12 months since last menstrual period

post (prior bilateral ovariectomy or >12 mo since lmp with no prior hysterectomy

5

NA'

patient.month_of_form_completion:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.
1.000	3.000	5.000	5.386	6.000	11.000

patient.new_tumor_events.new_tumor_event.2.additional_pharmaceutical_therapy:

no yes NA's

4 5 48

patient.new_tumor_events.new_tumor_event.2.additional_radiation_therapy:

no yes NA's

5 3 49

patient.new_tumor_events.new_tumor_event.2.days_to_new_tumor_event_after_initial

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
144.0	239.5	354.0	485.6	470.0	1840.0	46

patient.new_tumor_events.new_tumor_event.2.new_neoplasm_event_type:

distant metastasis locoregional recurrence NA's

5 6 46

patient.new_tumor_events.new_tumor_event.2.new_neoplasm_occurrence_anatomic_site

vagina NA's

1 56

patient.new_tumor_events.new_tumor_event.2.new_tumor_event_additional_surgery_pr

no NA's

8 49

patient.new_tumor_events.new_tumor_event.3.additional_pharmaceutical_therapy:

no yes NA's

2 2 53

patient.new_tumor_events.new_tumor_event.3.additional_radiation_therapy:

no yes NA's

4 1 52

patient.new_tumor_events.new_tumor_event.3.days_to_new_tumor_event_after_initial

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
144.0	354.0	427.0	636.4	674.0	1583.0	52

patient.new_tumor_events.new_tumor_event.3.new_neoplasm_event_occurrence_anatomical_site:
lung lymph node(s) other, specify NA's
1 2 2 52

patient.new_tumor_events.new_tumor_event.3.new_neoplasm_event_type:
distant metastasis locoregional recurrence progression of disease
1 3 1
NA's
52

patient.new_tumor_events.new_tumor_event.3.new_neoplasm_occurrence_anatomic_site:
subcarinal mass vagina NA's
1 1 55

patient.new_tumor_events.new_tumor_event.3.new_tumor_event_additional_surgery_performed:
no NA's
4 53

patient.new_tumor_events.new_tumor_event.4.additional_pharmaceutical_therapy:
yes NA's
1 56

patient.new_tumor_events.new_tumor_event.4.additional_radiation_therapy:
no yes NA's
1 1 55

patient.new_tumor_events.new_tumor_event.4.days_to_new_tumor_event_after_initial_diagnosis:
743 1595 NA's
1 1 55

patient.new_tumor_events.new_tumor_event.4.new_neoplasm_event_occurrence_anatomical_site:
brain lung NA's
1 1 55

patient.new_tumor_events.new_tumor_event.4.new_neoplasm_event_type:
distant metastasis progression of disease NA's
1 1 55

patient.new_tumor_events.new_tumor_event.4.new_tumor_event_additional_surgery_performed:
no NA's
1 56

patient.new_tumor_events.new_tumor_event.additional_pharmaceutical_therapy:
no yes NA's
7 13 37

patient.new_tumor_events.new_tumor_event.additional_radiation_therapy:
no yes NA's
12 5 40

```
patient.new_tumor_events.new_tumor_event.days_to_new_tumor_event_additional_surg
215 281 748 NA's
1 1 1 54
```

```
patient.new_tumor_events.new_tumor_event.days_to_new_tumor_event_after_initial_t
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
49.0 158.0 275.0 442.5 487.0 2566.0 28
```

```
patient.new_tumor_events.new_tumor_event.new_neoplasm_event_type:
distant metastasis locoregional recurrence progression of disease
11 13 5
NA's
28
```

```
patient.new_tumor_events.new_tumor_event.new_tumor_event_additional_surgery_pro
no yes NA's
19 3 35
```

```
patient.new_tumor_events.new_tumor_event.recurrence_second_surgery_neoplasm_surg
excisional biopsy incisional biopsy
2 1
other method, specify below NA's
2 52
```

```
patient.new_tumor_events.new_tumor_event.recurrence_second_surgery_neoplasm_surg
fine needle aspiration palliative care NA's
1 1 55
```

```
patient.new_tumor_events.new_tumor_event.residual_tumor:
r2 rx NA's
2 1 54
```

```
patient.new_tumor_events.new_tumor_event_after_initial_treatment:
no yes NA's
24 29 4
```

```
patient.person_neoplasm_cancer_status:
tumor free with tumor NA's
18 36 3
```

```
patient.postoperative_rx_tx:
no yes NA's
18 36 3
```

```
patient.primary_pathology.age_at_initial_pathologic_diagnosis:
Min. 1st Qu. Median Mean 3rd Qu. Max.
51.00 62.00 68.00 69.74 76.00 90.00
```

patient.primary_pathology.aln_pos_ihc:

0 NA's
32 25

patient.primary_pathology.aln_pos_light_micro:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0.0000	0.0000	0.0000	0.8158	0.0000	7.0000	19

patient.primary_pathology.anatomic_neoplasm_subdivision:

endometrium		fundus uteri
	33	1
lower uterine segment/ isthmus uteri		myometrium
	2	2
	NA's	
	19	

patient.primary_pathology.days_to_initial_pathologic_diagnosis:

0
57

patient.primary_pathology.histological_type:

uterine carcinosarcoma/ malignant mixed mullerian tumor (mmmt): nos	24
uterine carcinosarcoma/ mmmmt: heterologous type	20
uterine carcinosarcoma/ mmmmt: homologous type	13

patient.primary_pathology.pct_tumor_invasion:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0.00	15.00	40.00	45.01	69.00	100.00	12

patient.primary_pathology.peritoneal_wash:

negative	positive	NA's
25	12	20

patient.primary_pathology.pln_pos_ihc:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0.0000	0.0000	0.0000	0.9167	0.0000	14.0000	21

patient.primary_pathology.pln_pos_light_micro:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0.0000	0.0000	0.0000	0.9149	1.0000	9.0000	10

patient.primary_pathology.residual_tumor:

r0	r1	r2	rx	NA's
28	2	10	12	5

patient.primary_pathology.surgical_approach:

minimally invasive	open	NA's
--------------------	------	------

	31	20	6
patient.primary_pathology.total_aor.lnp:			
Min. 1st Qu. Median Mean 3rd Qu. Max.	0.0000 0.0000 0.0000 0.8108 0.0000 7.0000		NA's 20
patient.primary_pathology.total_aor_lnr:			
Min. 1st Qu. Median Mean 3rd Qu. Max.	0.000 0.000 3.000 4.412 7.000 21.000		NA's 6
patient.primary_pathology.total_pelv_lnp:			
Min. 1st Qu. Median Mean 3rd Qu. Max.	0.000 0.000 0.000 0.925 1.000 9.000		NA's 17
patient.primary_pathology.total_pelv_lnr:			
Min. 1st Qu. Median Mean 3rd Qu. Max.	0.00 1.25 7.50 10.02 17.00 34.00		NA's 3
patient.primary_pathology.tumor_tissue_site:			
uterus	57		
patient.primary_pathology.year_of_initial_pathologic_diagnosis:			
Min. 1st Qu. Median Mean 3rd Qu. Max.	2002 2007 2009 2009 2011 2012		
patient.primary_therapy_outcome_success:			
complete remission/response	30		4
partial remission/response			
progressive disease	13		NA's 10
patient.prior_dx:			
no yes	49 8		
patient.prior_tamoxifen_administered_usage_category:			
never used	36		NA's 21
patient.race:			
asian black or african american	3	9	white 44
NA's	1		
patient.radiation_therapy:			
no yes NA's	29 25 3		
patient.radiations.radiation.2.anatomic_treatment_site:			
distant recurrence local recurrence primary tumor field			regional site

	1	2	1	2
NA's				
51				

patient.radiations.radiation.2.day_of_form_completion:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
3.00	5.50	18.00	14.29	18.50	31.00	50

patient.radiations.radiation.2.days_to_radiation_therapy_end:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
88.0	154.5	240.0	479.0	541.5	1633.0	50

patient.radiations.radiation.2.days_to_radiation_therapy_start:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
29.0	149.5	205.0	453.9	523.0	1598.0	50

patient.radiations.radiation.2.measure_of_response:

complete response	radiographic	progressive disease
3		2
NA's		
52		

patient.radiations.radiation.2.month_of_form_completion:

2	3	10	NA's
3	3	1	50

patient.radiations.radiation.2.numfractions:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
2.0	3.0	6.5	9.5	13.0	25.0	51

patient.radiations.radiation.2.radiation_dosage:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
10.00	18.75	32.50	90.83	50.00	400.00	51

patient.radiations.radiation.2.radiation_treatment_ongoing:

no NA's
7 50

patient.radiations.radiation.2.radiation_type:

external	internal	NA's
3	3	51

patient.radiations.radiation.2.units:

cgy	gy	NA's
1	5	51

patient.radiations.radiation.2.year_of_form_completion:

2013	2014	NA's
1	6	50

patient.radiations.radiation.3.anatomic_treatment_site:
 distant recurrence NA's
 1 56

patient.radiations.radiation.3.bcr_radiation_barcode:
 tcga-n9-a4q3-r57628 NA's
 1 56

patient.radiations.radiation.3.bcr_radiation_uuid:
 ea3fd92a-674a-4523-b2bb-9c00c1feb1f6 NA's
 1 56

patient.radiations.radiation.3.day_of_form_completion:
 18 NA's
 1 56

patient.radiations.radiation.3.days_to_radiation_therapy_end:
 1633 NA's
 1 56

patient.radiations.radiation.3.days_to_radiation_therapy_start:
 1598 NA's
 1 56

patient.radiations.radiation.3.measure_of_response:
 radiographic progressive disease NA's
 1 56

patient.radiations.radiation.3.month_of_form_completion:
 3 NA's
 1 56

patient.radiations.radiation.3.numfractions:
 14 NA's
 1 56

patient.radiations.radiation.3.radiation_dosage:
 42 NA's
 1 56

patient.radiations.radiation.3.radiation_treatment_ongoing:
 no NA's
 1 56

patient.radiations.radiation.3.radiation_type:
 external NA's
 1 56

patient.radiations.radiation.3.units:
 gy NA's
 1 56

patient.radiations.radiation.3.year_of_form_completion:

2014 NA's
1 56

patient.radiations.radiation.anatomic_treatment_site:

distant recurrence	distant site	primary tumor	field	regional site
1	1	16	7	
NA's				
32				

patient.radiations.radiation.day_of_form_completion:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
3.00	10.00	21.50	19.19	26.00	31.00	31

patient.radiations.radiation.days_to_radiation_therapy_end:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
63.0	91.0	111.0	207.2	219.2	1249.0	31

patient.radiations.radiation.days_to_radiation_therapy_start:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
21.00	63.75	83.00	181.23	184.50	1219.00	31

patient.radiations.radiation.measure_of_response:

complete response	partial response
16	1
radiographic progressive disease	stable disease
4	1
NA's	
35	

patient.radiations.radiation.month_of_form_completion:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
2.000	3.000	5.000	4.731	5.000	10.000	31

patient.radiations.radiation.numfractions:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
2.00	3.00	10.00	12.65	25.00	28.00	34

patient.radiations.radiation.radiation_dosage:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
21.00	44.25	922.50	1570.00	3000.00	5040.00	33

patient.radiations.radiation.radiation_treatment_ongoing:

no NA's
26 31

patient.radiations.radiation.radiation_type:

external	internal	NA's
12	12	33

patient.radiations.radiation.units:

cgy	gy	NA's
13	12	32

patient.radiations.radiation.year_of_form_completion:

2013	2014	NA's
16	10	31

patient.stage_event.system_version:

1988	2009
7	50

patient.tissue_prospective_collection_indicator:

no	yes
34	23

patient.tissue_retrospective_collection_indicator:

no	yes
23	34

patient.vital_status:

alive	dead
25	32

patient.weight:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
42.00	60.00	72.00	73.31	82.25	167.00	5

patient.year_of_form_completion:

2013	2014
47	10

patient.microsatellite_instability_test_results.microsatellite_instability_test_

indeterminate	msi-h	msi-l	mss
1	2	3	51

patient.bcr_canonical_check.bcr_patient_canonical_status:

canonical
57

patient.biospecimen_cqcf.consent_or_death_status:

consented	deceased
56	1

patient.biospecimen_cqcf.country:

united states	vietnam
56	1

patient.biospecimen_cqcf.days_to_pathology_review:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
34	430	1195	1422	2113	3980	8

patient.biospecimen_cqcf.days_to_sample_procurement:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.
-3.00	7.00	25.00	21.79	32.00	58.00

patient.biospecimen_cqcf.ethnicity:

hispanic or latino	not hispanic or latino	NA's
1	38	18

patient.biospecimen_cqcf.frozen_specimen_anatomic_site:

endometrium; fundus uteri	1
endometrium; lower uterine segment (isthmus uteri)	1
myometrium	1
uterus	21
NA's	33

patient.biospecimen_cqcf.histological_type:

uterine carcinosarcoma/ malignant mixed mullerian tumor (mmtt): nos	57
---	----

patient.biospecimen_cqcf.history_of_neoadjuvant_treatment:

no	57
----	----

patient.biospecimen_cqcf.method_of_sample_procurement:

full hysterectomy	18
surgical resection	39

patient.biospecimen_cqcf.normal_controls.normal_control.2.bcr_sample_uuid:

35f0f6bf-a59d-4d23-b195-97103ab38a6f	a7da4798-0ec1-45cb-a58c-7a1a2c54879e	1	1
b2df9fa2-6d1c-4f59-bc08-336748d802db		1	NA's
			54

patient.biospecimen_cqcf.normal_controls.normal_control.2.days_to_normal_sample:

0	25	56	NA's
1	1	1	54

patient.biospecimen_cqcf.normal_controls.normal_control.2.extracted_dna.ncedna_d:

643	NA's
1	56

patient.biospecimen_cqcf.normal_controls.normal_control.2.extracted_dna.ncedna_d:

nanodrop	NA's
1	56

```

patient.biospecimen_cqcf.normal_controls.normal_control.2.extracted_dna.ncedna_d
  17 NA's
  1 56

patient.biospecimen_cqcf.normal_controls.normal_control.2.extracted_dna.ncedna_d
  27 NA's
  1 56

patient.biospecimen_cqcf.normal_controls.normal_control.2.method_of_normal_sampl
  blood draw surgical resection NA's
  2 1 54

patient.biospecimen_cqcf.normal_controls.normal_control.2.normal_tissue.normal_t
  ovary NA's
  1 56

patient.biospecimen_cqcf.normal_controls.normal_control.2.normal_tissue.normal_t
  distal (>2cm) NA's
  1 56

patient.biospecimen_cqcf.normal_controls.normal_control.2.vial_number:
  1 NA's
  3 54

patient.biospecimen_cqcf.normal_controls.normal_control.days_to_normal_sample_pr
  Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
  -3.00 6.75 25.00 133.41 35.00 2841.00 1

patient.biospecimen_cqcf.normal_controls.normal_control.extracted_dna.ncedna_dna
  Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
  0.0000 0.1595 0.2790 54.2185 0.4250 833.0000 23

patient.biospecimen_cqcf.normal_controls.normal_control.extracted_dna.ncedna_dna
  automatic dna extraction cdrop nanodrop
  2 2 25
  pico green NA's
  4 24

patient.biospecimen_cqcf.normal_controls.normal_control.extracted_dna.ncedna_dna
  Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
  15.00 15.00 20.00 20.95 27.27 31.30 23

patient.biospecimen_cqcf.normal_controls.normal_control.extracted_dna.ncedna_dna
  Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
  21.0 42.5 70.5 71.6 85.0 207.0 23

patient.biospecimen_cqcf.normal_controls.normal_control.method_of_normal_sample_
  blood draw surgical resection NA's
  49 7 1

```

patient.biospecimen_cqcf.normal_controls.normal_control.normal_tissue.normal_tis	fallopian tube	myometrium	other	ovary	NA's
	1	2	2	2	50

patient.biospecimen_cqcf.normal_controls.normal_control.normal_tissue.normal_tis	distal (>2cm)	NA's
	7	50

patient.biospecimen_cqcf.normal_controls.normal_control.vial_number:
1
57

patient.biospecimen_cqcf.path_confirm_diagnosis_matching:
yes
57

patient.biospecimen_cqcf.path_confirm_report_attached:	no	yes	NA's
	1	48	8

patient.biospecimen_cqcf.path_confirm_tumor_necrosis_metrics:	no	yes
	1	56

patient.biospecimen_cqcf.path_confirm_tumor_nuclei_metrics:
yes
57

patient.biospecimen_cqcf.race:	asian black or african american	white
	3	9
	NA's	44
	1	

patient.biospecimen_cqcf.sample_prescreened:	no	yes
	8	49

patient.biospecimen_cqcf.site_of_disease:
uterus
57

patient.biospecimen_cqcf.site_of_disease_description:	endometrium	fundus uteri
	33	1
lower uterine segment/ isthmus uteri		myometrium
	1	1
	NA's	
	21	

patient.biospecimen_cqcf.tumor_samples.tumor_sample.2.bcr_sample_uuid:
d38baef3-cc4c-498e-a032-2645a91e166a
NA's

1

56

patient.biospecimen_cqcf.tumor_samples.tumor_sample.2.tumor_necrosis_percent:

1 NA's
1 56

patient.biospecimen_cqcf.tumor_samples.tumor_sample.2.tumor_nuclei_percent:

80 NA's
1 56

patient.biospecimen_cqcf.tumor_samples.tumor_sample.2.tumor_weight:

200 NA's
1 56

patient.biospecimen_cqcf.tumor_samples.tumor_sample.2.vial_number:

1 NA's
1 56

patient.biospecimen_cqcf.tumor_samples.tumor_sample.tumor_necrosis_percent:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0.000	0.000	5.000	9.857	20.000	85.000	8

patient.biospecimen_cqcf.tumor_samples.tumor_sample.tumor_nuclei_percent:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
25.00	70.00	80.00	80.41	90.00	100.00	8

patient.biospecimen_cqcf.tumor_samples.tumor_sample.tumor_weight:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.
30.0	200.0	200.0	315.2	250.0	1735.0

patient.biospecimen_cqcf.tumor_samples.tumor_sample.vial_number:

1 2
56 1

patient.biospecimen_cqcf.vessel_used:

biospecimen storage bag	cassette	cryomold
8	14	15
cryovial		
20		

patient.days_to_index:

0
57

patient.samples.sample.2.days_to_collection:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.
93	456	1101	1363	2022	3983

patient.samples.sample.2.initial_weight:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
160.0	170.0	210.0	213.3	242.5	290.0	51

patient.samples.sample.2.is_ffpe:

no

57

patient.samples.sample.2.oct_embedded:

false true

53 4

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.bi

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.
153887725	153887744	153887766	153887765	153887788	153887804

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.ce

8

57

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.co

0.5

57

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.da

24

57

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.is

no

57

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.mo

7

57

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.pl

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.
3.000	5.000	7.000	7.421	9.000	11.000

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.pl

a317

57

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.qu

40

57

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.so

23

57

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.vo
80
57

patient.samples.sample.2.portions.portion.analytes.analyte.2.aliquots.aliquot.ye
2013
57

patient.samples.sample.2.portions.portion.analytes.analyte.2.analyte_type:
repli-g (qiagen) dna
57

patient.samples.sample.2.portions.portion.analytes.analyte.2.analyte_type_id:
w
57

patient.samples.sample.2.portions.portion.analytes.analyte.2.dna.normal_tumor_ge
yes
57

patient.samples.sample.2.portions.portion.analytes.analyte.2.dna.pcr_amplificati
yes
57

patient.samples.sample.2.portions.portion.analytes.analyte.2.gel_image_file:
<https://sharedoc.nchri.org/tcga-bcr/default.aspx>
57

patient.samples.sample.2.portions.portion.analytes.analyte.2.is_derived_from_ffp
no
57

patient.samples.sample.2.portions.portion.analytes.analyte.2.protocols.protocol.
repli-g
57

patient.samples.sample.2.portions.portion.analytes.analyte.2.subportion_sequence
1 2 NA's
5 1 51

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.2.bi
Min. 1st Qu. Median Mean 3rd Qu. Max.
132269180 132270173 132270196 132270173 132270219 132270236

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.2.ce
8

57

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.2.co
0.07 0.08 0.09
19 34 4

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.2.da
30
57

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.2.is
no
57

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.2.mo
4
57

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.2.pl
Min. 1st Qu. Median Mean 3rd Qu. Max.
3.000 5.000 7.000 7.421 9.000 11.000

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.2.pl
a28u
57

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.2.qu
2.8 3.2 3.6
19 34 4

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.2.so
23
57

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.2.vo
40
57

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.2.ye
2013
57

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.bios
Min. 1st Qu. Median Mean 3rd Qu. Max.
132267370 132267871 132267893 132267884 132267916 132267932

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.cent
1
57

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.conc
0.14 0.15 0.16 0.17
13 13 20 11

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.day_
30
57

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.is_d
no
57

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.mont
4
57

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.plat
Min. 1st Qu. Median Mean 3rd Qu. Max.
3.000 5.000 7.000 7.421 9.000 11.000

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.plat
a28t
57

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.quant
0.94 1.01 1.07 1.14
13 13 20 11

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.sour
23
57

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.vol
6.7
57

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.year
2013
57

patient.samples.sample.2.portions.portion.analytes.analyte.amount:
Min. 1st Qu. Median Mean 3rd Qu. Max.
5.93 10.92 21.40 22.13 26.04 67.73

patient.samples.sample.2.portions.portion.analytes.analyte.analyte_type:
dna
57

patient.samples.sample.2.portions.portion.analytes.analyte.analyte_type_id:
d

57

```

patient.samples.sample.2.portions.portion.analytes.analyte.concentration:
0.14 0.15 0.16 0.17
   13  13  20  11

```

```

patient.samples.sample.2.portions.portion.analytes.analyte.dna.normal_tumor_gene:
yes
57

```

```

patient.samples.sample.2.portions.portion.analytes.analyte.dna.pcr_amplification:
yes
57

```

```

patient.samples.sample.2.portions.portion.analytes.analyte.gel_image_file:
https://sharedoc.nchri.org/tcga-bcr/default.aspx
                                           57

```

```

patient.samples.sample.2.portions.portion.analytes.analyte.is_derived_from_ffpe:
no
57

```

```

patient.samples.sample.2.portions.portion.analytes.analyte.protocols.protocol.expression:
          adna preparation type pre-extracted dna received by tss
                    23                                     34

```

```

patient.samples.sample.2.portions.portion.analytes.analyte.spectrophotometer_measurement:
picogreen
57

```

```

patient.samples.sample.2.portions.portion.analytes.analyte.subportion_sequence:
   1     2 NA's
   5     1  51

```

```

patient.samples.sample.2.portions.portion.day_of_creation:
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.
  4.00   8.00   12.00   12.28  14.00   28.00

```

```

patient.samples.sample.2.portions.portion.is_ffpe:
no
57

```

```

patient.samples.sample.2.portions.portion.month_of_creation:
  1  2  3  4 12
16 21  5  7  8

```

```

patient.samples.sample.2.portions.portion.portion_number:
  1 11 12

```

51 5 1

patient.samples.sample.2.portions.portion.portion_sequence:

1
57

patient.samples.sample.2.portions.portion.slides.slide.is_derived_from_ffpe:

no NA's
6 51

patient.samples.sample.2.portions.portion.slides.slide.percent_lymphocyte_infiltration:

0 10 60 NA's
4 1 1 51

patient.samples.sample.2.portions.portion.slides.slide.percent_monocyte_infiltration:

0 10 15 NA's
4 1 1 51

patient.samples.sample.2.portions.portion.slides.slide.percent_necrosis:

0 10 NA's
5 1 51

patient.samples.sample.2.portions.portion.slides.slide.percent_neutrophil_infiltration:

0 5 NA's
5 1 51

patient.samples.sample.2.portions.portion.slides.slide.percent_normal_cells:

80 90 100 NA's
1 2 3 51

patient.samples.sample.2.portions.portion.slides.slide.percent_stromal_cells:

0 10 20 NA's
4 1 1 51

patient.samples.sample.2.portions.portion.slides.slide.percent_tumor_cells:

0 NA's
6 51

patient.samples.sample.2.portions.portion.slides.slide.percent_tumor_nuclei:

0 NA's
6 51

patient.samples.sample.2.portions.portion.slides.slide.section_location:

top NA's
6 51

patient.samples.sample.2.portions.portion.weight:

2 30 NA's
17 6 34

patient.samples.sample.2.portions.portion.year_of_creation:
 2012 2013
 8 49

patient.samples.sample.2.sample_type:
 blood derived normal solid tissue normal
 51 6

patient.samples.sample.2.sample_type_id:
 10 11
 51 6

patient.samples.sample.2.vial_number:
 a b
 52 5

patient.samples.sample.days_to_collection:
 Min. 1st Qu. Median Mean 3rd Qu. Max.
 93 438 1094 1352 2022 3983

patient.samples.sample.diagnostic_slides.ffpe_slide_uuid.5:
 7a91d15a-1dcb-4b22-96fd-740f0f3332b4 8024fd57-2a1a-4579-a008-db0cddb83a58
 1 1
 NA's
 55

patient.samples.sample.initial_weight:
 Min. 1st Qu. Median Mean 3rd Qu. Max.
 60.0 210.0 340.0 412.5 450.0 1670.0

patient.samples.sample.is_ffpe:
 no
 57

patient.samples.sample.oct_embedded:
 false true
 16 41

patient.samples.sample.portions.portion.analytes.analyte.2.a260_a280_ratio:
 Min. 1st Qu. Median Mean 3rd Qu. Max.
 1.780 1.840 1.870 1.863 1.890 1.960

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.2.bi
 Min. 1st Qu. Median Mean 3rd Qu. Max.
 132269148 132269959 132269984 132269863 132270009 132270033

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.2.ce
 13
 57

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.2.co
 0.15 0.16 0.17 0.18
 5 8 27 17

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.2.da
 30
 57

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.2.is
 no
 57

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.2.mo
 4
 57

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.2.pl
 Min. 1st Qu. Median Mean 3rd Qu. Max.
 3.000 5.000 7.000 6.561 8.000 10.000

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.2.pl
 a28z
 57

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.2.qu
 3 3.2 3.4 3.6
 5 8 27 17

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.2.so
 23
 57

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.2.vo
 20
 57

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.2.ye
 2013
 57

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.bios
Min. 1st Qu. Median Mean 3rd Qu. Max.
114991760 114993604 132267849 128491044 132270180 145672883

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.cent
7
57

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.conc
0.15 0.16 0.17 0.18
5 8 27 17

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.day_
30
57

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.is_d
no
57

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.mont
4
57

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.plat
Min. 1st Qu. Median Mean 3rd Qu. Max.
3.000 5.000 7.000 6.561 8.000 10.000

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.plat
a28v
57

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.quant
1.95 2.08 2.21 2.34
5 8 27 17

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.sour
23
57

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.vol
13
57

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.year
2013
57

patient.samples.sample.portions.portion.analytes.analyte.2.amount:
Min. 1st Qu. Median Mean 3rd Qu. Max.
20.73 32.76 43.50 45.25 57.55 78.55

patient.samples.sample.portions.portion.analytes.analyte.2.analyte_type:
rna
57

patient.samples.sample.portions.portion.analytes.analyte.2.analyte_type_id:
r
57

patient.samples.sample.portions.portion.analytes.analyte.2.concentration:
0.15 0.16 0.17 0.18
5 8 27 17

patient.samples.sample.portions.portion.analytes.analyte.2.gel_image_file:
<https://sharedoc.nchri.org/tcga-bcr/default.aspx>
57

patient.samples.sample.portions.portion.analytes.analyte.2.is_derived_from_ffpe:
no
57

patient.samples.sample.portions.portion.analytes.analyte.2.protocols.protocol.ex
mirvana (allprep dna) rna
57

patient.samples.sample.portions.portion.analytes.analyte.2.rna.ratio_28s_18s:
Min. 1st Qu. Median Mean 3rd Qu. Max.
0.730 1.310 1.460 1.485 1.710 2.090

patient.samples.sample.portions.portion.analytes.analyte.2.rna.rinvalue:
Min. 1st Qu. Median Mean 3rd Qu. Max.
7.000 7.500 8.100 8.026 8.500 9.600

patient.samples.sample.portions.portion.analytes.analyte.2.spectrophotometer_met
uv spec
57

patient.samples.sample.portions.portion.analytes.analyte.2.subportion_sequence:
1 2
51 6

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.bios
Min. 1st Qu. Median Mean 3rd Qu. Max.
153887821 153887840 153887862 153887861 153887884 153887900

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.cent
8
57

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.conc
0.5
57

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.day_
24
57

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.is_d
no
57

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.mont
7
57

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.plat
Min. 1st Qu. Median Mean 3rd Qu. Max.
3.000 5.000 7.000 7.421 9.000 11.000

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.plat
a316
57

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.quant
40
57

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.sour
23
57

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.volu
80
57

patient.samples.sample.portions.portion.analytes.analyte.3.aliquots.aliquot.year
2013
57

patient.samples.sample.portions.portion.analytes.analyte.3.analyte_type:
repli-g (qiagen) dna
57

patient.samples.sample.portions.portion.analytes.analyte.3.analyte_type_id:
w
57

patient.samples.sample.portions.portion.analytes.analyte.3.dna.normal_tumor_genome
yes
57

patient.samples.sample.portions.portion.analytes.analyte.3.dna.pcr_amplification
yes
57

patient.samples.sample.portions.portion.analytes.analyte.3.gel_image_file:
<https://sharedoc.nchri.org/tcga-bcr/default.aspx>
57

patient.samples.sample.portions.portion.analytes.analyte.3.is_derived_from_ffpe:
no
57

patient.samples.sample.portions.portion.analytes.analyte.3.protocols.protocol.expression
repli-g
57

patient.samples.sample.portions.portion.analytes.analyte.3.subportion_sequence:
1 2
51 6

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.2.biospecimen
Min. 1st Qu. Median Mean 3rd Qu. Max.
145672813 145672832 145672854 145672853 145672876 145672892

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.2.centromere
1
57

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.2.concentration
0.14 0.15 0.16 0.17
13 18 20 6

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.2.day_of_year
30
57

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.2.is_derived_from_ffpe
no
57

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.2.month_of_year
4
57

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.2.platform
Min. 1st Qu. Median Mean 3rd Qu. Max.

3.000 5.000 7.000 7.421 9.000 11.000

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.2.plat
a28q
57

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.2.quan
0.94 1.01 1.07 1.14
13 18 20 6

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.2.sour
23
57

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.2.vol
6.7
57

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.2.year
2013
57

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.3.bios
Min. 1st Qu. Median Mean 3rd Qu. Max.
1.15e+08 1.15e+08 1.15e+08 1.15e+08 1.15e+08 1.15e+08

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.3.cent
8
57

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.3.conc
0.07 0.08 0.09
23 32 2

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.3.day_
30
57

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.3.is_d
no
57

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.3.mont
4
57

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.3.plat
Min. 1st Qu. Median Mean 3rd Qu. Max.
3.000 5.000 7.000 7.421 9.000 11.000

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.3.plat
a28r

57

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.3.quant
2.8 3.2 3.6

23 32 2

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.3.sour
23

57

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.3.vol
40

57

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.3.year
2013

57

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.4.bios
Min. 1st Qu. Median Mean 3rd Qu. Max.

1.15e+08 1.15e+08 1.15e+08 1.15e+08 1.15e+08 1.15e+08

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.4.cent
5

57

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.4.conc
0.14 0.15 0.16 0.17

13 18 20 6

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.4.day_
8

57

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.4.is_d
no

57

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.4.mont
5

57

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.4.plat
Min. 1st Qu. Median Mean 3rd Qu. Max.

3.000 5.000 7.000 7.421 9.000 11.000

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.4.plat
a28s

57

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.4.quan
1.82 1.95 2.08 2.21

13 18 20 6

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.4.sour
23

57

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.4.volu
13

57

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.4.year
2013

57

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.center
23

57

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.plate_
YYYY

57

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.source
23

57

patient.samples.sample.portions.portion.analytes.analyte.amount:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.
13.31	29.77	37.88	41.86	53.53	111.37

patient.samples.sample.portions.portion.analytes.analyte.analyte_type:

dna

57

patient.samples.sample.portions.portion.analytes.analyte.analyte_type_id:

d

57

patient.samples.sample.portions.portion.analytes.analyte.concentration:

0.14 0.15 0.16 0.17

13 18 20 6

patient.samples.sample.portions.portion.analytes.analyte.dna.normal_tumor_genoty
yes
57

patient.samples.sample.portions.portion.analytes.analyte.dna.pcr_amplification_s
yes
57

patient.samples.sample.portions.portion.analytes.analyte.gel_image_file:
<https://sharedoc.nchri.org/tcga-bcr/default.aspx>
57

patient.samples.sample.portions.portion.analytes.analyte.is_derived_from_ffpe:
no
57

patient.samples.sample.portions.portion.analytes.analyte.protocols.protocol.expe
adna preparation type
57

patient.samples.sample.portions.portion.analytes.analyte.spectrophotometer_metho
picogreen
57

patient.samples.sample.portions.portion.analytes.analyte.subportion_sequence:
1 2
51 6

patient.samples.sample.portions.portion.day_of_creation:
Min. 1st Qu. Median Mean 3rd Qu. Max.
1.00 12.00 18.00 16.79 22.00 31.00

patient.samples.sample.portions.portion.is_ffpe:
no
57

patient.samples.sample.portions.portion.month_of_creation:
1 2 3 12
25 20 4 8

patient.samples.sample.portions.portion.portion_number:
11 12 21 22 31
43 5 4 1 4

patient.samples.sample.portions.portion.portion_sequence:
1 2 3
48 5 4

patient.samples.sample.portions.portion.slides.slide.is_derived_from_ffpe:
no
57

patient.samples.sample.portions.portion.slides.slide.percent_lymphocyte_infiltrati
Min. 1st Qu. Median Mean 3rd Qu. Max.
0.00 0.00 2.00 18.28 40.00 70.00

patient.samples.sample.portions.portion.slides.slide.percent_monocyte_infiltrati
0 1 10 15 20
32 1 4 2 18

patient.samples.sample.portions.portion.slides.slide.percent_necrosis:
Min. 1st Qu. Median Mean 3rd Qu. Max.
0.000 0.000 5.000 5.509 10.000 20.000

patient.samples.sample.portions.portion.slides.slide.percent_neutrophil_infiltra
0 5 20 40
33 5 14 5

patient.samples.sample.portions.portion.slides.slide.percent_normal_cells:
0 5 10 30
51 2 2 2

patient.samples.sample.portions.portion.slides.slide.percent_stromal_cells:
0 5 10 15 20
24 14 11 2 6

patient.samples.sample.portions.portion.slides.slide.percent_tumor_cells:
Min. 1st Qu. Median Mean 3rd Qu. Max.
60.00 80.00 90.00 87.12 95.00 100.00

patient.samples.sample.portions.portion.slides.slide.percent_tumor_nuclei:
Min. 1st Qu. Median Mean 3rd Qu. Max.
60.00 80.00 85.00 83.68 90.00 100.00

patient.samples.sample.portions.portion.slides.slide.section_location:
top
57

patient.samples.sample.portions.portion.weight:
20 30
3 54

patient.samples.sample.portions.portion.year_of_creation:
2012 2013
8 49

patient.samples.sample.portions.shipment_portion.center_id:

```

20 NA's
48 9

patient.samples.sample.portions.shipment_portion.is_ffpe:
no NA's
48 9

patient.samples.sample.portions.shipment_portion.plate_id:
a41p NA's
48 9

patient.samples.sample.portions.shipment_portion.portion_number:
11 21 41 NA's
3 44 1 9

patient.samples.sample.portions.shipment_portion.portion_sequence:
1 2 NA's
3 44 10

patient.samples.sample.portions.shipment_portion.shipment_portion_day_of_shipment:
4 NA's
48 9

patient.samples.sample.portions.shipment_portion.shipment_portion_month_of_shipment:
6 NA's
48 9

patient.samples.sample.portions.shipment_portion.shipment_portion_year_of_shipment:
2014 NA's
48 9

patient.samples.sample.sample_type:
primary tumor
57

patient.samples.sample.sample_type_id:
1
57

patient.samples.sample.vial_number:
a
57

```

UVM

Uveal Melanoma

Description

A document describing the TCGA cancer code

Details

```

> experiments( UVM )
ExperimentList class object of length 10:
 [1] CNASeq-20160128: RaggedExperiment with 6496 rows and 102 columns
 [2] CNASNP-20160128: RaggedExperiment with 69487 rows and 160 columns
 [3] CNVSNP-20160128: RaggedExperiment with 12973 rows and 160 columns
 [4] GISTIC_AllByGene-20160128: SummarizedExperiment with 24776 rows and 80 columns
 [5] GISTIC_ThresholdedByGene-20160128: SummarizedExperiment with 24776 rows and 80 columns
 [6] Methylation-20160128: SummarizedExperiment with 485577 rows and 80 columns
 [7] miRNASeqGene-20160128: SummarizedExperiment with 1046 rows and 80 columns
 [8] Mutation-20160128: RaggedExperiment with 2174 rows and 80 columns
 [9] RNASeq2GeneNorm-20160128: SummarizedExperiment with 20501 rows and 80 columns
 [10] RPPAArray-20160128: SummarizedExperiment with 192 rows and 12 columns

> rownames( UVM )
CharacterList of length 10
[["CNASeq-20160128"]] character(0)
[["CNASNP-20160128"]] character(0)
[["CNVSNP-20160128"]] character(0)
[["GISTIC_AllByGene-20160128"]] ACAP3 ACTRT2 ... WASIR1|ENSG00000185203.7
[["GISTIC_ThresholdedByGene-20160128"]] ACAP3 ... WASIR1|ENSG00000185203.7
[["Methylation-20160128"]] cg00000029 cg00000108 ... rs966367 rs9839873
[["miRNASeqGene-20160128"]] hsa-let-7a-1 hsa-let-7a-2 ... hsa-mir-99b
[["Mutation-20160128"]] character(0)
[["RNASeq2GeneNorm-20160128"]] A1BG A1CF A2BP1 A2LD1 ... ZZZ3 psiTPTE22 tAKR
[["RPPAArray-20160128"]] 14-3-3_beta 14-3-3_epsilon ... p90RSK_pT359_S363

> colnames( UVM )
CharacterList of length 10
[["CNASeq-20160128"]] TCGA-RZ-AB0B-01A-11D-A40D-26 ...
[["CNASNP-20160128"]] TCGA-RZ-AB0B-01A-11D-A39V-01 ...
[["CNVSNP-20160128"]] TCGA-RZ-AB0B-01A-11D-A39V-01 ...
[["GISTIC_AllByGene-20160128"]] TCGA-RZ-AB0B-01A-11D-A39V-01 ...
[["GISTIC_ThresholdedByGene-20160128"]] TCGA-RZ-AB0B-01A-11D-A39V-01 ...
[["Methylation-20160128"]] TCGA-RZ-AB0B-01A-11D-A39X-05 ...
[["miRNASeqGene-20160128"]] TCGA-RZ-AB0B-01A-11R-A40B-13 ...
[["Mutation-20160128"]] TCGA-RZ-AB0B-01A-11D-A39W-08 ...
[["RNASeq2GeneNorm-20160128"]] TCGA-RZ-AB0B-01A-11R-A405-07 ...
[["RPPAArray-20160128"]] TCGA-V3-A9ZX-01A-21-A41Z-20 ...

Sizes of each ExperimentList element:

          assay size.Mb
1          CNASeq-20160128  0.2 Mb
2          CNASNP-20160128  1.9 Mb
3          CNVSNP-20160128  0.4 Mb
4          GISTIC_AllByGene-20160128  4.3 Mb
5          GISTIC_ThresholdedByGene-20160128  4.3 Mb
6          Methylation-20160128  67.4 Mb
7          miRNASeqGene-20160128  0.1 Mb
8          Mutation-20160128  11.3 Mb
9          RNASeq2GeneNorm-20160128  1.1 Mb

```

10 RPPAArray-20160128 0 Mb

Overall survival time-to-event summary (in years):

Call: survfit(formula = survival::Surv(colDat\$days_to_death/365, colDat\$vital_status - 1)

57 observations deleted due to missingness
n events median 0.95LCL 0.95UCL
23.00 23.00 1.66 1.14 3.05

Available sample meta-data:

years_to_birth:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.
22.00	51.00	61.50	61.65	74.25	86.00

vital_status:

0	1
57	23

days_to_death:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
40.0	393.5	606.0	693.9	1029.0	1581.0	57

days_to_last_followup:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
4.0	495.0	821.0	861.9	1184.0	2600.0	23

tumor_tissue_site:

choroid
80

pathology_N_stage:

n0	nx	NA's
52	27	1

pathology_M_stage:

m0	m1	mlb	mx	NA's
51	2	2	23	2

gender:

female	male
35	45

```

date_of_initial_pathologic_diagnosis:
  Min. 1st Qu.  Median    Mean 3rd Qu.  Max.
  2007   2011   2012     2012   2013   2013

radiation_therapy:
  no  yes NA's
  76   3   1

race:
white NA's
  55   25

ethnicity:
  hispanic or latino not hispanic or latino      NA's
                                1                                52                                27

admin.bcr:
nationwide children's hospital
                                80

admin.day_of_dcc_upload:
  1
  80

admin.disease_code:
uvm
  80

admin.month_of_dcc_upload:
  10
  80

admin.patient_withdrawal.withdrawn:
false
  80

admin.project_code:
tcga
  80

admin.year_of_dcc_upload:
  2015
  80

patient.clinical_cqcf.consent_or_death_status:
consented
  80

patient.clinical_cqcf.country:

```

```

france united kingdom united states
      33                25                22

patient.clinical_cqcf.days_to_consent:
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.
-248.00 -21.00 -12.50   63.46   0.00 1283.00

patient.clinical_cqcf.history_of_neoadjuvant_treatment:
no
80

patient.clinical_cqcf.tumor_type:
primary
      80

patient.day_of_form_completion:
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.
   8.00   9.00  11.00  12.04  12.00  25.00

patient.days_to_birth:
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.
-31475 -27328 -22738 -22707 -18922  -8271

patient.days_to_death:
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.    NA's
   40.0  149.0  398.0  450.4  455.0 1581.0     67

patient.days_to_last_followup:
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.    NA's
    2.0   46.5  382.0  457.2  714.0 2149.0     13

patient.drugs.drug.bcr_drug_barcode:
tcga-v4-a9em-d66786 tcga-v4-a9et-d66793 tcga-v4-a9f1-d66811 tcga-v4-a9f3-d66816
              1                      1                      1                      1
              NA's
              76

patient.drugs.drug.bcr_drug_uuid:
03e230c9-56c9-46ea-a977-54c65fb0964a 6af33bb6-d0ec-444f-bf8e-781b6a753326
                                      1                                      1
92f45447-981b-440b-aa4b-22e237defafa c6e8afaa-cd54-43d5-ada6-ea3312148433
                                      1                                      1
                                      NA's
                                      76

patient.drugs.drug.day_of_form_completion:
23 NA's
  4  76

patient.drugs.drug.days_to_drug_therapy_end:
147 174 175 187 NA's
  1  1  1  1  76

```

```
patient.drugs.drug.days_to_drug_therapy_start:
  21  22  24  27 NA's
   1   1   1   1  76
```

```
patient.drugs.drug.drug_name:
fotemustine      NA's
                4      76
```

```
patient.drugs.drug.month_of_form_completion:
  10 NA's
   4  76
```

```
patient.drugs.drug.therapy_ongoing:
no NA's
  4  76
```

```
patient.drugs.drug.therapy_types.therapy_type:
chemotherapy      NA's
                 4      76
```

```
patient.drugs.drug.tx_on_clinical_trial:
yes NA's
  4  76
```

```
patient.drugs.drug.year_of_form_completion:
2014 NA's
  4  76
```

```
patient.ethnicity:
  hispanic or latino not hispanic or latino      NA's
                1                52                27
```

```
patient.eye_color:
blue brown green NA's
  9   15   6   50
```

```
patient.follow_ups.follow_up.2.day_of_form_completion:
  17  27  28 NA's
   1   1   5  73
```

```
patient.follow_ups.follow_up.2.days_to_death:
1396 NA's
  1  79
```

```
patient.follow_ups.follow_up.2.days_to_last_followup:
  Min. 1st Qu.  Median    Mean 3rd Qu.  Max.    NA's
  12.0  500.8   743.0   943.3 1042.2 2600.0    74
```

```
patient.follow_ups.follow_up.2.lost_follow_up:
```

```

no yes NA's
6 1 73

patient.follow_ups.follow_up.2.month_of_form_completion:
1 2 7 NA's
1 1 5 73

patient.follow_ups.follow_up.2.new_tumor_events.new_tumor_event_after_initial_tr
no NA's
7 73

patient.follow_ups.follow_up.2.patient_death_reason:
metastatic uveal melanoma NA's
1 79

patient.follow_ups.follow_up.2.person_neoplasm_cancer_status:
tumor free with tumor NA's
6 1 73

patient.follow_ups.follow_up.2.postoperative_rx_tx:
no NA's
7 73

patient.follow_ups.follow_up.2.radiation_therapy:
no NA's
7 73

patient.follow_ups.follow_up.2.vital_status:
alive dead NA's
6 1 73

patient.follow_ups.follow_up.2.year_of_form_completion:
2015 NA's
7 73

patient.follow_ups.follow_up.day_of_form_completion:
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
2.00 16.00 23.00 19.55 26.00 30.00 15

patient.follow_ups.follow_up.days_to_death:
389 NA's
1 79

patient.follow_ups.follow_up.days_to_last_followup:
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
4.0 376.5 661.0 649.6 850.0 2267.0 17

patient.follow_ups.follow_up.lost_follow_up:
no yes NA's
63 2 15

```

patient.follow_ups.follow_up.month_of_form_completion:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 1.000 2.000 9.000 6.831 10.000 10.000 15

patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.2.additional_pharm
 no NA's
 1 79

patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.2.additional_radiat
 no NA's
 1 79

patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.2.days_to_new_tumor
 1008 NA's
 1 79

patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.2.new_neoplasm_eve
 liver NA's
 1 79

patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.2.new_neoplasm_eve
 distant metastasis NA's
 1 79

patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.2.new_tumor_event
 yes NA's
 1 79

patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.additional_pharmac
 no yes NA's
 7 4 69

patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.additional_radiati
 no yes NA's
 7 3 70

patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.days_to_new_tumor
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 78.0 281.0 413.0 587.4 828.5 1556.0 69

patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.new_neoplasm_event
 liver other, specify NA's
 7 4 69

patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.new_neoplasm_event
 distant metastasis locoregional recurrence new primary tumor
 7 2 2
 NA's
 69

patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.new_neoplasm_occu

	choroid	left	nasofacial	sulcus		scalp
	2			1		1
	NA's					
	76					

patient.follow_ups.follow_up.new_tumor_events.new_tumor_event.new_tumor_event_ad

	no	yes	NA's
	6	5	69

patient.follow_ups.follow_up.new_tumor_events.new_tumor_event_after_initial_trea

	no	yes	NA's
	53	11	16

patient.follow_ups.follow_up.patient_death_reason:

	metastatic	uveal	melanoma	NA's
	1			79

patient.follow_ups.follow_up.person_neoplasm_cancer_status:

	tumor	free	with	tumor	NA's
	55		8		17

patient.follow_ups.follow_up.postoperative_rx_tx:

	no	yes	NA's
	59	5	16

patient.follow_ups.follow_up.radiation_therapy:

	no	yes	NA's
	61	3	16

patient.follow_ups.follow_up.vital_status:

	alive	dead	NA's
	63	1	16

patient.follow_ups.follow_up.year_of_form_completion:

	2014	2015	NA's
	40	25	15

patient.gender:

	female	male
	35	45

patient.height:

	Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
	147.0	158.0	168.0	166.5	175.0	193.0	27

patient.history_of_neoadjuvant_treatment:

	no
	80

patient.icd_10:

	c69.30	c69.40	c69.80	c69.90
	67	5	7	1

patient.icd_o_3_site:
 c69.3 c69.4 c69.8 c69.9
 67 5 7 1

patient.informed_consent_verified:
 yes
 80

patient.month_of_form_completion:
 3 5 6 7 12
 12 25 30 8 5

patient.new_tumor_events.new_tumor_event.2.additional_pharmaceutical_therapy:
 no NA's
 2 78

patient.new_tumor_events.new_tumor_event.2.additional_radiation_therapy:
 no NA's
 1 79

patient.new_tumor_events.new_tumor_event.2.days_to_new_tumor_event_additional_surgery:
 595 NA's
 1 79

patient.new_tumor_events.new_tumor_event.2.days_to_new_tumor_event_after_initial_surgery:
 597 916 NA's
 1 1 78

patient.new_tumor_events.new_tumor_event.2.new_neoplasm_event_occurrence_anatomical_site:
 liver skin NA's
 1 1 78

patient.new_tumor_events.new_tumor_event.2.new_neoplasm_event_type:
 distant metastasis NA's
 2 78

patient.new_tumor_events.new_tumor_event.2.new_neoplasm_histology_other:
 melanoma of epitheloid type no tissue biopsy
 1 1
 NA's
 78

patient.new_tumor_events.new_tumor_event.2.new_tumor_event_additional_surgery_performed:
 no yes NA's
 1 1 78

patient.new_tumor_events.new_tumor_event.additional_pharmaceutical_therapy:
 no yes NA's
 4 8 68

patient.new_tumor_events.new_tumor_event.additional_radiation_therapy:

no NA's
6 74

patient.new_tumor_events.new_tumor_event.days_to_new_tumor_event_additional_surg

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
56.0	154.0	371.0	645.2	625.0	2020.0	75

patient.new_tumor_events.new_tumor_event.days_to_new_tumor_event_after_initial_t

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
-4.0	186.2	303.5	397.8	432.0	2020.0	64

patient.new_tumor_events.new_tumor_event.new_neoplasm_event_occurrence_anatomic

liver	other, specify	skin	NA's
11	2	3	64

patient.new_tumor_events.new_tumor_event.new_neoplasm_event_type:

distant metastasis	new primary tumor	NA's
13	4	63

patient.new_tumor_events.new_tumor_event.new_neoplasm_occurrence_anatomic_site_t

biliary	thyroid	NA's
1	1	78

patient.new_tumor_events.new_tumor_event.new_tumor_event_additional_surgery_proo

no	yes	NA's
2	5	73

patient.new_tumor_events.new_tumor_event_after_initial_treatment:

no	yes	NA's
62	17	1

patient.patient_death_reason:

metastatic	uveal melanoma	other, specify	NA's
11		1	68

patient.person_neoplasm_cancer_status:

tumor free	with tumor	NA's
61	18	1

patient.primary_pathology.age_at_initial_pathologic_diagnosis:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.
22.00	51.00	61.50	61.65	74.25	86.00

patient.primary_pathology.cytogenetic_abnormality_list.cytogenetic_abnormality:

chromosome 1 loss	chromosome 3 loss	chromosome 6p gain	chromosome 8q gain
9	26	16	1
NA's			
28			

patient.primary_pathology.postoperative_rx_tx:

no	yes	NA's
72	6	2

patient.primary_pathology.radiation_therapy:

no	yes	NA's
73	4	3

patient.primary_pathology.tumor_basal_diameter:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
7.79	14.80	17.00	16.93	19.35	25.00	1

patient.primary_pathology.tumor_basal_diameter_mx:

echographic measurement	pathologic measurement	NA's
	26	53
		1

patient.primary_pathology.tumor_infiltrating_lymphocytes:

few	many	moderate numbers	NA's
24	2	2	52

patient.primary_pathology.tumor_infiltrating_macrophages:

few	NA's
17	63

patient.primary_pathology.tumor_morphology_list.tumor_morphology.2.histological_

epithelioid cell	spindle cell	NA's
16	21	43

patient.primary_pathology.tumor_morphology_list.tumor_morphology.2.tumor_morphol

0				
1	24	7	5	43

patient.primary_pathology.tumor_morphology_list.tumor_morphology.histological_ty

epithelioid cell	spindle cell
34	46

patient.primary_pathology.tumor_morphology_list.tumor_morphology.tumor_morpholog

> 90			
40	6	8	26

patient.primary_pathology.tumor_shape_pathologic_clinical:

diffuse	dome	mushroom	NA's
2	36	13	29

patient.primary_pathology.tumor_thickness:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.
4.000	8.475	10.500	10.421	12.045	16.000

patient.primary_pathology.tumor_thickness_measurement:

echographic measurement	pathologic measurement
	59
	21

patient.primary_pathology.tumor_tissue_site_list.tumor_tissue_site:
 choroid
 80

patient.primary_pathology.tumor_tissue_site_list.tumor_tissue_site.2:
 ciliary body NA's
 24 56

patient.primary_pathology.tumor_tissue_site_list.tumor_tissue_site.3:
 iris NA's
 2 78

patient.primary_pathology.year_of_initial_pathologic_diagnosis:
 Min. 1st Qu. Median Mean 3rd Qu. Max.
 2007 2011 2012 2012 2013 2013

patient.prior_dx:
 no yes
 76 4

patient.race:
 white NA's
 55 25

patient.radiations.radiation.anatomic_treatment_site:
 primary tumor field NA's
 2 78

patient.radiations.radiation.bcr_radiation_barcode:
 tcga-wc-a87y-r64835 tcga-wc-aa9e-r67772 NA's
 1 1 78

patient.radiations.radiation.bcr_radiation_uuid:
 942ced73-38cf-425e-9603-2c675c5ae541 d177098d-ac7e-44e5-8b8a-133b2cb76a1d
 1 1
 NA's
 78

patient.radiations.radiation.day_of_form_completion:
 3 25 NA's
 1 1 78

patient.radiations.radiation.days_to_radiation_therapy_end:
 64 296 NA's
 1 1 78

patient.radiations.radiation.days_to_radiation_therapy_start:
 22 253 NA's
 1 1 78

patient.radiations.radiation.measure_of_response:
 complete response stable disease NA's

```

1 1 78

patient.radiations.radiation.month_of_form_completion:
  9 12 NA's
  1 1 78

patient.radiations.radiation.numfractions:
  30 NA's
  2 78

patient.radiations.radiation.radiation_dosage:
  60 NA's
  2 78

patient.radiations.radiation.radiation_treatment_ongoing:
  no NA's
  2 78

patient.radiations.radiation.radiation_type:
external NA's
  2 78

patient.radiations.radiation.units:
  gy NA's
  2 78

patient.radiations.radiation.year_of_form_completion:
2014 NA's
  2 78

patient.stage_event.system_version:
7th
80

patient.stage_event.tnm_categories.clinical_categories.clinical_m:
m0 m1 mlb mx
73 1 2 4

patient.stage_event.tnm_categories.clinical_categories.clinical_n:
n0 nx
76 4

patient.stage_event.tnm_categories.pathologic_categories.pathologic_m:
m0 m1 mlb mx NA's
51 2 2 23 2

patient.stage_event.tnm_categories.pathologic_categories.pathologic_n:
n0 nx NA's
52 27 1

```

patient.tissue_prospective_collection_indicator:

no yes
77 3

patient.tissue_retrospective_collection_indicator:

no yes
3 77

patient.vital_status:

alive dead
67 13

patient.weight:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
41.00	65.00	80.00	79.39	90.20	186.00	27

patient.year_of_form_completion:

2013 2014
5 75

patient.bcr_canonical_check.bcr_patient_canonical_status:

canonical
80

patient.biospecimen_cqcf.consent_or_death_status:

consented
80

patient.biospecimen_cqcf.country:

france	united kingdom	united states
33	25	22

patient.biospecimen_cqcf.days_to_sample_procurement:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.
-248.00	-15.00	-7.00	-8.85	0.00	155.00

patient.biospecimen_cqcf.ethnicity:

not hispanic or latino	NA's
21	59

patient.biospecimen_cqcf.frozen_specimen_anatomic_site:

eye	eye; choroid
16	64

patient.biospecimen_cqcf.history_of_neoadjuvant_treatment:

no
80

patient.biospecimen_cqcf.laterality:

```

left right NA's
  25    39    16

patient.biospecimen_cqcf.method_of_sample_procurement:
                                enucleation
                                                77
local resection (exoresection; wall resection)
                                                2
                                other method (please specify)
                                                1

patient.biospecimen_cqcf.normal_controls.normal_control.2.days_to_normal_sample_
  0 NA's
  1    79

patient.biospecimen_cqcf.normal_controls.normal_control.2.extracted_dna.ncedna_d
0.123 NA's
  1    79

patient.biospecimen_cqcf.normal_controls.normal_control.2.extracted_dna.ncedna_d
picogreen quantification (qubit) NA's
                                1                                79

patient.biospecimen_cqcf.normal_controls.normal_control.2.extracted_dna.ncedna_d
  6 NA's
  1    79

patient.biospecimen_cqcf.normal_controls.normal_control.2.extracted_dna.ncedna_d
48.8 NA's
  1    79

patient.biospecimen_cqcf.normal_controls.normal_control.2.method_of_normal_sampl
blood draw NA's
          1    79

patient.biospecimen_cqcf.normal_controls.normal_control.2.vial_number:
  1    2 NA's
  2    4    74

patient.biospecimen_cqcf.normal_controls.normal_control.3.bcr_sample_uuid:
24e71e64-5d55-4bd0-b291-5fae378b9e8a 992d0e43-d833-4a7e-834d-bd8ff0c486a9
                                1                                1
                                NA's
                                78

patient.biospecimen_cqcf.normal_controls.normal_control.3.vial_number:
  3 NA's
  2    78

patient.biospecimen_cqcf.normal_controls.normal_control.days_to_normal_sample_pr

```


Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
-248.00	-21.00	-12.00	26.04	0.00	980.00	2

patient.biospecimen_cqcf.normal_controls.normal_control.extracted_dna.ncedna_dna

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0.0290	0.1400	0.1795	0.2570	0.2343	2.0199	42

patient.biospecimen_cqcf.normal_controls.normal_control.extracted_dna.ncedna_dna

	nanodrop	picogreen	quantification (qubit)
	5		1
picogreen quantification		picogreen quantification (qubit)	31
	1		
	NA's		
	42		

patient.biospecimen_cqcf.normal_controls.normal_control.extracted_dna.ncedna_dna

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
6.40	15.00	15.00	15.33	15.00	20.00	42

patient.biospecimen_cqcf.normal_controls.normal_control.extracted_dna.ncedna_dna

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
9.90	64.03	83.55	97.02	107.10	230.60	42

patient.biospecimen_cqcf.normal_controls.normal_control.method_of_normal_sample_

blood draw	NA's
78	2

patient.biospecimen_cqcf.normal_controls.normal_control.vial_number:

1	2
78	2

patient.biospecimen_cqcf.other_method_of_sample_procurement:

orbitotomy	NA's
1	79

patient.biospecimen_cqcf.other_vessel_used:

bullet	NA's
1	79

patient.biospecimen_cqcf.path_confirm_diagnosis_matching:

no	yes	NA's
15	64	1

patient.biospecimen_cqcf.path_confirm_report_attached:

yes
80

patient.biospecimen_cqcf.path_confirm_tumor_necrosis_metrics:

yes	NA's
77	3

patient.biospecimen_cqcf.path_confirm_tumor_nuclei_metrics:

```

yes NA's
  77   3

patient.biospecimen_cqcf.race:
white NA's
  22  58

patient.biospecimen_cqcf.sample_prescreened:
no  yes NA's
  5  74   1

patient.biospecimen_cqcf.site_of_disease:
eye NA's
  64  16

patient.biospecimen_cqcf.site_of_disease_description:
choroid NA's
  64   16

patient.biospecimen_cqcf.tumor_samples.tumor_sample.2.bcr_sample_uuid:
1b626599-ec44-409d-8123-ed69d8442c19 7b9619b2-1fb6-4076-8a47-fcd392e8b27e
                                     1                                     1
f028a8c2-1ad9-4ccd-9ef4-076f90d73806                                     NA's
                                     1                                     77

patient.biospecimen_cqcf.tumor_samples.tumor_sample.2.tumor_necrosis_percent:
  0 NA's
  3  77

patient.biospecimen_cqcf.tumor_samples.tumor_sample.2.tumor_nuclei_percent:
100 NA's
  3  77

patient.biospecimen_cqcf.tumor_samples.tumor_sample.2.tumor_weight:
  20  50  90 NA's
   1   1   1  77

patient.biospecimen_cqcf.tumor_samples.tumor_sample.2.vial_number:
  2 NA's
  3  77

patient.biospecimen_cqcf.tumor_samples.tumor_sample.tumor_necrosis_percent:
  0   5  10 NA's
 68   3   3   6

patient.biospecimen_cqcf.tumor_samples.tumor_sample.tumor_nuclei_percent:
  Min. 1st Qu.  Median    Mean 3rd Qu.  Max.   NA's
 80.00  90.00  90.00  91.96  95.00 100.00    6

patient.biospecimen_cqcf.tumor_samples.tumor_sample.tumor_weight:
  Min. 1st Qu.  Median    Mean 3rd Qu.  Max.

```

0.03 30.00 50.00 53.03 80.00 200.00

patient.biospecimen_cqcf.tumor_samples.tumor_sample.vial_number:

1
80

patient.biospecimen_cqcf.vessel_used:

cryovial other (please specify)
79 1

patient.days_to_index:

0
80

patient.samples.sample.2.days_to_collection:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.
4.0	272.8	478.5	542.4	715.2	2199.0

patient.samples.sample.2.is_ffpe:

no
80

patient.samples.sample.2.oct_embedded:

false
80

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.2.bi

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.
167822317	167822337	167822358	167822358	167822379	167822399

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.2.ce

8
80

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.2.co

0.07	0.08	0.09
42	30	8

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.2.da

14
80

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.2.is

no
80

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.2.mo

5

80

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.2.pl

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.
1.000	3.000	6.000	6.225	9.000	12.000

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.2.pl

a39z

80

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.2.qu

2.8 3.2 3.6

42 30 8

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.2.sc

23

80

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.2.vo

40

80

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.2.ye

2014

80

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.3.bi

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
167789376	167789401	167789424	167789425	167789448	167789471	10

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.3.ce

26 NA's

70 10

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.3.co

0.14 0.15 0.16 0.17 NA's

25 17 15 13 10

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.3.da

14 NA's

70 10

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.3.is

no NA's

70 10

patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.3.mo

5 NA's

70 10

```
patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.3.pl
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.   NA's
  1.000  3.000  5.000  4.886  7.000  9.000    10
```

```
patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.3.pl
a40e NA's
  70  10
```

```
patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.3.qu
  1.4  1.5  1.6  1.7 NA's
  25  17  15  13  10
```

```
patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.3.sc
  23 NA's
  70  10
```

```
patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.3.vo
  10 NA's
  70  10
```

```
patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.3.ye
2014 NA's
  70  10
```

```
patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.bios
  Min.  1st Qu.  Median    Mean  3rd Qu.    Max.
167780173 167780193 167780214 167780214 167780235 167780255
```

```
patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.cent
  1
  80
```

```
patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.conc
  0.14 0.15 0.16 0.17
  29  21  16  14
```

```
patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.day_
  14
  80
```

```
patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.is_d
  no
  80
```

```
patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.mont
  5
  80
```

```
patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.plat
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.
  1.000  3.000  6.000  6.225  9.000  12.000
```

```
patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.plat
a39y
  80
```

```
patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.quant
0.94 1.01 1.07 1.14
  29  21  16  14
```

```
patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.sourc
23
  80
```

```
patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.volum
6.7
  80
```

```
patient.samples.sample.2.portions.portion.analytes.analyte.aliquots.aliquot.year
2014
  80
```

```
patient.samples.sample.2.portions.portion.analytes.analyte.amount:
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.
  5.04  9.07  12.21  13.09  15.35  44.08
```

```
patient.samples.sample.2.portions.portion.analytes.analyte.analyte_type:
dna
  80
```

```
patient.samples.sample.2.portions.portion.analytes.analyte.analyte_type_id:
d
  80
```

```
patient.samples.sample.2.portions.portion.analytes.analyte.concentration:
0.14 0.15 0.16 0.17
  29  21  16  14
```

```
patient.samples.sample.2.portions.portion.analytes.analyte.dna.normal_tumor_genom
yes
  80
```

```
patient.samples.sample.2.portions.portion.analytes.analyte.dna.pcr_amplification
yes
  80
```

```
patient.samples.sample.2.portions.portion.analytes.analyte.gel_image_file:
```

<https://sharedoc.nchri.org/tcga-bcr/default.aspx>
80

patient.samples.sample.2.portions.portion.analytes.analyte.is_derived_from_ffpe:
no
80

patient.samples.sample.2.portions.portion.analytes.analyte.protocols.protocol.ex
adna preparation type pre-extracted dna received by tss
42 38

patient.samples.sample.2.portions.portion.analytes.analyte.spectrophotometer_met
picogreen
80

patient.samples.sample.2.portions.portion.day_of_creation:
Min. 1st Qu. Median Mean 3rd Qu. Max.
6.00 13.00 17.00 16.82 20.25 31.00

patient.samples.sample.2.portions.portion.is_ffpe:
no
80

patient.samples.sample.2.portions.portion.month_of_creation:
1 2 3 11 12
23 17 14 12 14

patient.samples.sample.2.portions.portion.portion_number:
1
80

patient.samples.sample.2.portions.portion.portion_sequence:
1 NA's
12 68

patient.samples.sample.2.portions.portion.weight:
2 300 NA's
40 2 38

patient.samples.sample.2.portions.portion.year_of_creation:
2013 2014
26 54

patient.samples.sample.2.sample_type:
blood derived normal
80

patient.samples.sample.2.sample_type_id:
10
80

patient.samples.sample.2.vial_number:

a	b	c
76	2	2

patient.samples.sample.days_to_collection:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.
4.0	272.0	478.5	541.4	715.2	2199.0

patient.samples.sample.initial_weight:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
10.00	30.00	40.00	48.64	60.00	150.00	3

patient.samples.sample.is_ffpe:

no
80

patient.samples.sample.oct_embedded:

false	true
66	14

patient.samples.sample.portions.portion.analytes.analyte.2.a260_a280_ratio:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.
1.710	1.830	1.890	1.866	1.910	1.960

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.2.bi

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.
167780272	167789206	167789234	167788674	167789254	167789274

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.2.ce

13
80

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.2.co

0.15	0.16	0.17	0.18
19	15	22	24

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.2.da

14
80

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.2.is

no
80

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.2.mo
5
80

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.2.pl
Min. 1st Qu. Median Mean 3rd Qu. Max.
1.0 3.0 5.5 5.5 8.0 10.0

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.2.pl
a40b
80

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.2.qu
3 3.2 3.4 3.6
19 15 22 24

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.2.sc
23
80

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.2.vo
20
80

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.2.ye
2014
80

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.bios
Min. 1st Qu. Median Mean 3rd Qu. Max.
167809407 167812247 167812272 167812236 167812295 167812319

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.cent
7
80

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.conc
0.15 0.16 0.17 0.18
19 15 22 24

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.day_
14
80

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.is_d
no
80

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.mont

5
80

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.plat

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.
1.0	3.0	5.5	5.5	8.0	10.0

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.plat
a405
80

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.quant

1.95	2.08	2.21	2.34
19	15	22	24

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.sour
23
80

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.vol
13
80

patient.samples.sample.portions.portion.analytes.analyte.2.aliquots.aliquot.year
2014
80

patient.samples.sample.portions.portion.analytes.analyte.2.amount:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.
5.39	10.97	16.84	18.53	25.28	39.41

patient.samples.sample.portions.portion.analytes.analyte.2.analyte_type:
rna
80

patient.samples.sample.portions.portion.analytes.analyte.2.analyte_type_id:
r
80

patient.samples.sample.portions.portion.analytes.analyte.2.concentration:

0.15	0.16	0.17	0.18
19	15	22	24

patient.samples.sample.portions.portion.analytes.analyte.2.gel_image_file:
<https://sharedoc.nchri.org/tcga-bcr/default.aspx>
80

patient.samples.sample.portions.portion.analytes.analyte.2.is_derived_from_ffpe:
no

80

```
patient.samples.sample.portions.portion.analytes.analyte.2.protocols.protocol.ex  
nrna - melanoma protocol
```

80

```
patient.samples.sample.portions.portion.analytes.analyte.2.rna.ratio_28s_18s:
```

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.
0.820	1.220	1.350	1.379	1.552	1.990

```
patient.samples.sample.portions.portion.analytes.analyte.2.rna.rinvalue:
```

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.
7.100	7.700	8.300	8.328	9.025	9.700

```
patient.samples.sample.portions.portion.analytes.analyte.2.spectrophotometer_met  
uv spec
```

80

```
patient.samples.sample.portions.portion.analytes.analyte.2.subportion_sequence:
```

1	2	NA's
70	3	7

```
patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.2.bios
```

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.
167822413	167822433	167822454	167822454	167822475	167822495

```
patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.2.cent
```

8

80

```
patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.2.conc
```

0.07	0.08	0.09
10	58	12

```
patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.2.day_
```

14

80

```
patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.2.is_d
```

no

80

```
patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.2.mont
```

5

80

```
patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.2.plat
```

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.
1.000	3.000	6.000	6.225	9.000	12.000

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.2.plat
a39w
80

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.2.quan
2.8 3.2 3.6
10 58 12

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.2.sour
23
80

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.2.vol
40
80

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.2.year
2014
80

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.3.bios
Min. 1st Qu. Median Mean 3rd Qu. Max.
167822125 167822145 167822166 167822166 167822187 167822207

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.3.cent
5
80

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.3.conc
0.14 0.15 0.16 0.17
3 20 31 26

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.3.day_
14
80

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.3.is_d
no
80

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.3.mont
5
80

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.3.plat
Min. 1st Qu. Median Mean 3rd Qu. Max.
1.000 3.000 6.000 6.225 9.000 12.000

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.3.plat

a39x
80

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.3.quant
1.82 1.95 2.08 2.21
3 20 31 26

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.3.sour
23
80

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.3.vol
13
80

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.3.year
2014
80

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.4.bios
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
167788992 167789017 167789040 167789041 167789064 167789087 10

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.4.cent
26 NA's
70 10

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.4.conc
0.14 0.15 0.16 0.17 NA's
2 18 27 23 10

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.4.day_
14 NA's
70 10

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.4.is_d
no NA's
70 10

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.4.mont
5 NA's
70 10

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.4.plat
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
1.000 3.000 5.000 4.886 7.000 9.000 10

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.4.plat
a40d NA's

70 10

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.4.quant

1.4 1.5 1.6 1.7 NA's

2 18 27 23 10

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.4.sour

23 NA's

70 10

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.4.vol

10 NA's

70 10

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.4.year

2014 NA's

70 10

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.biospe

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.
167820925	167821997	167822112	167822128	167822310	167822436

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.center

1

80

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.concen

0.14 0.15 0.16 0.17

3 20 31 26

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.day_of

14

80

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.is_der

no

80

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.month_

5

80

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.plate_

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.
1.000	3.000	6.000	6.225	9.000	12.000

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.plate_

a39v

80

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.quantiti
0.94 1.01 1.07 1.14
3 20 31 26

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.source
23
80

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.volume
6.7
80

patient.samples.sample.portions.portion.analytes.analyte.aliquots.aliquot.year_o
2014
80

patient.samples.sample.portions.portion.analytes.analyte.amount:
Min. 1st Qu. Median Mean 3rd Qu. Max.
10.87 32.16 39.53 39.92 48.82 65.26

patient.samples.sample.portions.portion.analytes.analyte.analyte_type:
dna
80

patient.samples.sample.portions.portion.analytes.analyte.analyte_type_id:
d
80

patient.samples.sample.portions.portion.analytes.analyte.concentration:
0.14 0.15 0.16 0.17
3 20 31 26

patient.samples.sample.portions.portion.analytes.analyte.dna.normal_tumor_genoty
yes
80

patient.samples.sample.portions.portion.analytes.analyte.dna.pcr_amplification_s
yes
80

patient.samples.sample.portions.portion.analytes.analyte.gel_image_file:
<https://sharedoc.nchri.org/tcga-bcr/default.aspx>
80

patient.samples.sample.portions.portion.analytes.analyte.is_derived_from_ffpe:
no
80

patient.samples.sample.portions.portion.analytes.analyte.protocols.protocol.expe
adna preparation type
80

patient.samples.sample.portions.portion.analytes.analyte.spectrophotometer_metho
picogreen
80

patient.samples.sample.portions.portion.analytes.analyte.subportion_sequence:
1 2 NA's
70 3 7

patient.samples.sample.portions.portion.day_of_creation:
Min. 1st Qu. Median Mean 3rd Qu. Max.
5.00 8.00 18.00 16.44 24.00 29.00

patient.samples.sample.portions.portion.is_ffpe:
no
80

patient.samples.sample.portions.portion.month_of_creation:
1 2 3 4 11
22 18 12 1 27

patient.samples.sample.portions.portion.portion_number:
11 12 21
76 3 1

patient.samples.sample.portions.portion.portion_sequence:
1 NA's
27 53

patient.samples.sample.portions.portion.slides.slide.is_derived_from_ffpe:
no NA's
78 2

patient.samples.sample.portions.portion.slides.slide.percent_lymphocyte_infiltra
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
0.000 0.250 1.000 1.654 2.000 30.000 2

patient.samples.sample.portions.portion.slides.slide.percent_monocyte_infiltrati
0 1 2 NA's
74 2 2 2

patient.samples.sample.portions.portion.slides.slide.percent_necrosis:
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
0.0000 0.0000 0.0000 0.4872 0.0000 10.0000 2

patient.samples.sample.portions.portion.slides.slide.percent_neutrophil_infiltration:
 0 1 3 NA's
 76 1 1 2

patient.samples.sample.portions.portion.slides.slide.percent_normal_cells:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 0.000 0.000 0.000 4.295 0.000 50.000 2

patient.samples.sample.portions.portion.slides.slide.percent_stromal_cells:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 0.000 0.000 0.000 2.128 0.000 20.000 2

patient.samples.sample.portions.portion.slides.slide.percent_tumor_cells:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 50.00 90.00 100.00 93.09 100.00 100.00 2

patient.samples.sample.portions.portion.slides.slide.percent_tumor_nuclei:
 Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
 60.00 80.00 80.00 81.81 85.00 97.00 2

patient.samples.sample.portions.portion.slides.slide.section_location:
 top NA's
 78 2

patient.samples.sample.portions.portion.weight:
 10 15 20 25 30
 7 1 17 1 54

patient.samples.sample.portions.portion.year_of_creation:
 2013 2014
 27 53

patient.samples.sample.portions.shipment_portion.center_id:
 20 NA's
 12 68

patient.samples.sample.portions.shipment_portion.is_ffpe:
 no NA's
 12 68

patient.samples.sample.portions.shipment_portion.plate_id:
 a41z NA's
 12 68

patient.samples.sample.portions.shipment_portion.portion_number:
 21 NA's
 12 68

patient.samples.sample.portions.shipment_portion.portion_sequence:
 2 NA's

3 77

patient.samples.sample.portions.shipment_portion.shipment_portion_day_of_shipmen

4 NA's

12 68

patient.samples.sample.portions.shipment_portion.shipment_portion_month_of_shipm

6 NA's

12 68

patient.samples.sample.portions.shipment_portion.shipment_portion_year_of_shipme

2014 NA's

12 68

patient.samples.sample.sample_type:

primary tumor

80

patient.samples.sample.sample_type_id:

1

80

patient.samples.sample.vial_number:

a b

77 3