

Package ‘curatedTCGAData’

June 24, 2025

Type Package

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

Version 1.31.1

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

License Artistic-2.0

BugReports <https://github.com/waldrnlab/curatedTCGAData/issues>

Depends R (>= 4.5.0), MultiAssayExperiment

Imports AnnotationHub, ExperimentHub, HDF5Array, methods, S4Vectors,
stats, SummarizedExperiment, utils

Suggests BiocStyle, knitr, RaggedExperiment, readr, rmarkdown,
TCGAutils, testthat

VignetteBuilder knitr

biocViews Homo_sapiens_Data, ReproducibleResearch, CancerData,
ExperimentHub

Encoding UTF-8

RoxygenNote 7.3.2

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curatedTCGAData-package

curatedTCGAData-package

Description

The curatedTCGAData package provides a convenient and user-friendly interface for The Cancer Genome Atlas data from the Firehose GDAC Pipeline. Please note that `_most_` of the data from the GDAC Firehose pipeline uses the ‘hg19’ reference genome (except for a few cancers; refer to <https://confluence.broadinstitute.org/display/GDAC/FAQ>).

It is highly recommended to use the ‘TCGAutils’ companion package. It provides convenience functions for manipulating curatedTCGAData objects. See package for more details (<http://bioconductor.org/packages/TCGAutils>).

diseaseCodes

The following are the TCGA disease codes and full names as posted on the official website (<https://gdc.cancer.gov/resources-tcga-users/tcga-code-tables/tcga-study-abbreviations>).

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

Author(s)

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- Martin Morgan <martin.morgan@roswellpark.org> [contributor]

See Also

Useful links:

- Report bugs at <https://github.com/waldronlab/curatedTCGADData/issues>

Examples

```
help(package = "curatedTCGADData")
```

ACC

Adrenocortical carcinoma

Description

A document describing the TCGA cancer code

Details

```

> experiments( ACC )
ExperimentList class object of length 10:
 [1] ACC_CNASNP-20160128: RaggedExperiment with 79861 rows and 180 columns
 [2] ACC_CNVSNP-20160128: RaggedExperiment with 21052 rows and 180 columns
 [3] ACC_GISTIC_AllByGene-20160128: SummarizedExperiment with 24776 rows and 90 columns
 [4] ACC_GISTIC_Peaks-20160128: RangedSummarizedExperiment with 42 rows and 90 columns
 [5] ACC_GISTIC_ThresholdedByGene-20160128: SummarizedExperiment with 24776 rows and 90 columns
 [6] ACC_miRNASeqGene-20160128: SummarizedExperiment with 1046 rows and 80 columns
 [7] ACC_Mutation-20160128: RaggedExperiment with 20166 rows and 90 columns
 [8] ACC_RNASeq2GeneNorm-20160128: SummarizedExperiment with 20501 rows and 79 columns
 [9] ACC_RPPAArray-20160128: SummarizedExperiment with 192 rows and 46 columns
[10] ACC_Methylation-20160128: SummarizedExperiment with 485577 rows and 80 columns

> rownames( ACC )
CharacterList of length 10
[["ACC_CNASNP-20160128"]] character(0)
[["ACC_CNVSNP-20160128"]] character(0)
[["ACC_GISTIC_AllByGene-20160128"]] ACAP3 ACTRT2 ... WASIR1|ENSG00000185203.7
[["ACC_GISTIC_Peaks-20160128"]] chr1:8403012-8925111 ...
[["ACC_GISTIC_ThresholdedByGene-20160128"]] ACAP3 ...
[["ACC_miRNASeqGene-20160128"]] hsa-let-7a-1 hsa-let-7a-2 ... hsa-mir-99b
[["ACC_Mutation-20160128"]] character(0)
[["ACC_RNASeq2GeneNorm-20160128"]] A1BG A1CF A2BP1 ... ZZZ3 psiTPTE22 tAKR
[["ACC_RPPAArray-20160128"]] 14-3-3_beta 14-3-3_epsilon ... p90RSK_pT359_S363
[["ACC_Methylation-20160128"]] cg00000029 cg00000108 ... rs966367 rs9839873

> colnames( ACC )
CharacterList of length 10
[["ACC_CNASNP-20160128"]] TCGA-OR-A5J1-01A-11D-A29H-01 ...
[["ACC_CNVSNP-20160128"]] TCGA-OR-A5J1-01A-11D-A29H-01 ...
[["ACC_GISTIC_AllByGene-20160128"]] TCGA-OR-A5J1-01A-11D-A29H-01 ...
[["ACC_GISTIC_Peaks-20160128"]] TCGA-OR-A5J1-01A-11D-A29H-01 ...
[["ACC_GISTIC_ThresholdedByGene-20160128"]] TCGA-OR-A5J1-01A-11D-A29H-01 ...
[["ACC_miRNASeqGene-20160128"]] TCGA-OR-A5J1-01A-11R-A29W-13 ...
[["ACC_Mutation-20160128"]] TCGA-OR-A5J1-01A-11D-A29I-10 ...
[["ACC_RNASeq2GeneNorm-20160128"]] TCGA-OR-A5J1-01A-11R-A29S-07 ...
[["ACC_RPPAArray-20160128"]] TCGA-OR-A5J2-01A-21-A39K-20 ...
[["ACC_Methylation-20160128"]] TCGA-OR-A5J1-01A-11D-A29J-05 ...

```

Sizes of each ExperimentList element:

		assay size.Mb
1	ACC_CNASNP-20160128	2.2 Mb
2	ACC_CNVSNP-20160128	0.6 Mb
3	ACC_GISTIC_AllByGene-20160128	4.9 Mb
4	ACC_GISTIC_Peaks-20160128	0.1 Mb
5	ACC_GISTIC_ThresholdedByGene-20160128	4.9 Mb
6	ACC_miRNASeqGene-20160128	0.1 Mb
7	ACC_Mutation-20160128	12.6 Mb
8	ACC_RNASeq2GeneNorm-20160128	1.3 Mb
9	ACC_RPPAArray-20160128	0 Mb

10 ACC_Methylation-20160128 75 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
--------	------

6032

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 white
2 1 78
NA's
11

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

Including an additional 806 columns

See Also

[ACC-v2.0.1](#)

ACC-v2.0.1	Adrenocortical carcinoma
------------	--------------------------

Description

A document describing the TCGA cancer code

Details

```

> experiments( ACC )
ExperimentList class object of length 11:
 [1] ACC_CNASNP-20160128: RaggedExperiment with 79861 rows and 180 columns
 [2] ACC_CNVSNP-20160128: RaggedExperiment with 21052 rows and 180 columns
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 [6] ACC_miRNASeqGene-20160128: SummarizedExperiment with 1046 rows and 80 columns
 [7] ACC_Mutation-20160128: RaggedExperiment with 20166 rows and 90 columns
 [8] ACC_RNASeq2Gene-20160128: SummarizedExperiment with 20501 rows and 79 columns
 [9] ACC_RNASeq2GeneNorm-20160128: SummarizedExperiment with 20501 rows and 79 columns
[10] ACC_RPPAArray-20160128: SummarizedExperiment with 192 rows and 46 columns
[11] ACC_Methylation-20160128: SummarizedExperiment with 485577 rows and 80 columns

> rownames( ACC )
CharacterList of length 11
[["ACC_CNASNP-20160128"]] character(0)
[["ACC_CNVSNP-20160128"]] character(0)
[["ACC_GISTIC_AllByGene-20160128"]] character(0)
[["ACC_GISTIC_Peaks-20160128"]] 19 1 20 21 22 2 24 ... 41 42 14 15 16 43 44
[["ACC_GISTIC_ThresholdedByGene-20160128"]] character(0)
[["ACC_miRNASeqGene-20160128"]] hsa-let-7a-1 hsa-let-7a-2 ... hsa-mir-99b
[["ACC_Mutation-20160128"]] character(0)
[["ACC_RNASeq2Gene-20160128"]] A1BG A1CF A2BP1 A2LD1 ... ZZZ3 psiTPTE22 tAKR
[["ACC_RNASeq2GeneNorm-20160128"]] A1BG A1CF A2BP1 ... ZZZ3 psiTPTE22 tAKR
[["ACC_RPPAArray-20160128"]] 14-3-3_beta 14-3-3_epsilon ... p90RSK_pT359_S363
...
<1 more element>

> colnames( ACC )
CharacterList of length 11
[["ACC_CNASNP-20160128"]] TCGA-OR-A5J1-01A-11D-A29H-01 ...
[["ACC_CNVSNP-20160128"]] TCGA-OR-A5J1-01A-11D-A29H-01 ...
[["ACC_GISTIC_AllByGene-20160128"]] TCGA-OR-A5J1-01A-11D-A29H-01 ...
[["ACC_GISTIC_Peaks-20160128"]] TCGA-OR-A5J1-01A-11D-A29H-01 ...
[["ACC_GISTIC_ThresholdedByGene-20160128"]] TCGA-OR-A5J1-01A-11D-A29H-01 ...
[["ACC_miRNASeqGene-20160128"]] TCGA-OR-A5J1-01A-11R-A29W-13 ...
[["ACC_Mutation-20160128"]] TCGA-OR-A5J1-01A-11D-A29I-10 ...
[["ACC_RNASeq2Gene-20160128"]] TCGA-OR-A5J1-01A-11R-A29S-07 ...
[["ACC_RNASeq2GeneNorm-20160128"]] TCGA-OR-A5J1-01A-11R-A29S-07 ...
[["ACC_RPPAArray-20160128"]] TCGA-OR-A5J2-01A-21-A39K-20 ...
...
<1 more element>

```

Sizes of each ExperimentList element:

		assay size.Mb
1	ACC_CNASNP-20160128	2.2 Mb
2	ACC_CNVSNP-20160128	0.6 Mb
3	ACC_GISTIC_AllByGene-20160128	20.5 Mb
4	ACC_GISTIC_Peaks-20160128	0.1 Mb

```

5 ACC_GISTIC_ThresholdedByGene-20160128 20.4 Mb
6          ACC_miRNASeqGene-20160128  0.8 Mb
7          ACC_Mutation-20160128 12.6 Mb
8          ACC_RNASeq2Gene-20160128 14.9 Mb
9          ACC_RNASeq2GeneNorm-20160128 14.9 Mb
10         ACC_RPPAArray-20160128  0.1 Mb
11         ACC_Methylation-20160128   75 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	white
2	1	78
NA's		
11		

ethnicity:

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

Including an additional 806 columns

ACC-v2.1.0

Adrenocortical carcinoma

Description

A document describing the TCGA cancer code

Details

```

> experiments( ACC )
ExperimentList class object of length 11:
 [1] ACC_CNASNP-20160128: RaggedExperiment with 79861 rows and 180 columns
 [2] ACC_CNVSNP-20160128: RaggedExperiment with 21052 rows and 180 columns
 [3] ACC_GISTIC_AllByGene-20160128: SummarizedExperiment with 24776 rows and 90 columns
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 [6] ACC_Mutation-20160128: RaggedExperiment with 20166 rows and 90 columns
 [7] ACC_RNASeq2Gene-20160128: SummarizedExperiment with 20501 rows and 79 columns
 [8] ACC_RPPAArray-20160128: SummarizedExperiment with 192 rows and 46 columns
 [9] ACC_miRNASeqGene-20160128: SummarizedExperiment with 1046 rows and 80 columns
[10] ACC_RNASeq2GeneNorm-20160128: SummarizedExperiment with 17716 rows and 79 columns
[11] ACC_Methylation-20160128: SummarizedExperiment with 485577 rows and 80 columns

> rownames( ACC )
CharacterList of length 11
[["ACC_CNASNP-20160128"]] character(0)
[["ACC_CNVSNP-20160128"]] character(0)
[["ACC_GISTIC_AllByGene-20160128"]] character(0)
[["ACC_GISTIC_Peaks-20160128"]] 19 1 20 21 22 2 24 ... 41 42 14 15 16 43 44
[["ACC_GISTIC_ThresholdedByGene-20160128"]] character(0)
[["ACC_Mutation-20160128"]] character(0)
[["ACC_RNASeq2Gene-20160128"]] A1BG A1CF A2BP1 A2LD1 ... ZZZ3 psiTPTE22 tAKR
[["ACC_RPPAArray-20160128"]] 14-3-3_beta 14-3-3_epsilon ... p90RSK_pT359_S363
[["ACC_miRNASeqGene-20160128"]] hsa-let-7a-1 hsa-let-7a-2 ... hsa-mir-99b
[["ACC_RNASeq2GeneNorm-20160128"]] A1BG A2BP1 A2LD1 ... ZZEF1 ZZZ3 psiTPTE22
...
<1 more element>

> colnames( ACC )
CharacterList of length 11
[["ACC_CNASNP-20160128"]] TCGA-OR-A5J1-01A-11D-A29H-01 ...
[["ACC_CNVSNP-20160128"]] TCGA-OR-A5J1-01A-11D-A29H-01 ...
[["ACC_GISTIC_AllByGene-20160128"]] TCGA-OR-A5J1-01A-11D-A29H-01 ...
[["ACC_GISTIC_Peaks-20160128"]] TCGA-OR-A5J1-01A-11D-A29H-01 ...
[["ACC_GISTIC_ThresholdedByGene-20160128"]] TCGA-OR-A5J1-01A-11D-A29H-01 ...
[["ACC_Mutation-20160128"]] TCGA-OR-A5J1-01A-11D-A29I-10 ...
[["ACC_RNASeq2Gene-20160128"]] TCGA-OR-A5J1-01A-11R-A29S-07 ...
[["ACC_RPPAArray-20160128"]] TCGA-OR-A5J2-01A-21-A39K-20 ...
[["ACC_miRNASeqGene-20160128"]] TCGA-OR-A5J1-01A-11R-A29W-13 ...
[["ACC_RNASeq2GeneNorm-20160128"]] TCGA-OR-A5J1-01 ... TCGA-PK-A5HB-01
...
<1 more element>

```

Sizes of each ExperimentList element:

		assay size.Mb
1	ACC_CNASNP-20160128	2.2 Mb
2	ACC_CNVSNP-20160128	0.6 Mb
3	ACC_GISTIC_AllByGene-20160128	20.5 Mb
4	ACC_GISTIC_Peaks-20160128	0.1 Mb

```

5 ACC_GISTIC_ThresholdedByGene-20160128 20.4 Mb
6           ACC_Mutation-20160128 12.6 Mb
7           ACC_RNASeq2Gene-20160128 14.9 Mb
8           ACC_RPPAArray-20160128 0.1 Mb
9           ACC_miRNASeqGene-20160128 0.8 Mb
10          ACC_RNASeq2GeneNorm-20160128 12.9 Mb
11          ACC_Methylation-20160128 75 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
[1,] 34      34    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	white
2	1	78
NA's		
11		

ethnicity:

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

Including an additional 806 columns

BLCA

Bladder Urothelial Carcinoma

Description

A document describing the TCGA cancer code

Details

```

> experiments( BLCA )
ExperimentList class object of length 12:
 [1] BLCA_CNASeq-20160128: RaggedExperiment with 35692 rows and 232 columns
 [2] BLCA_CNASNP-20160128: RaggedExperiment with 479978 rows and 806 columns
 [3] BLCA_CNVSNP-20160128: RaggedExperiment with 104349 rows and 797 columns
 [4] BLCA_GISTIC_AllByGene-20160128: SummarizedExperiment with 24776 rows and 408 columns
 [5] BLCA_GISTIC_Peaks-20160128: RangedSummarizedExperiment with 71 rows and 408 columns
 [6] BLCA_GISTIC_ThresholdedByGene-20160128: SummarizedExperiment with 24776 rows and 408 columns
 [7] BLCA_miRNASeqGene-20160128: SummarizedExperiment with 1046 rows and 429 columns
 [8] BLCA_Mutation-20160128: RaggedExperiment with 39312 rows and 130 columns
 [9] BLCA_RNASeq2GeneNorm-20160128: SummarizedExperiment with 20501 rows and 427 columns
[10] BLCA_RNASeqGene-20160128: SummarizedExperiment with 20502 rows and 67 columns
[11] BLCA_RPPAArray-20160128: SummarizedExperiment with 208 rows and 344 columns
[12] BLCA_Methylation-20160128: SummarizedExperiment with 485577 rows and 434 columns

> rownames( BLCA )
CharacterList of length 12
[["BLCA_CNASeq-20160128"]] character(0)
[["BLCA_CNASNP-20160128"]] character(0)
[["BLCA_CNVSNP-20160128"]] character(0)
[["BLCA_GISTIC_AllByGene-20160128"]] ACAP3 ... WASIR1|ENSG00000185203.7
[["BLCA_GISTIC_Peaks-20160128"]] chr1:26963410-27155421 ...
[["BLCA_GISTIC_ThresholdedByGene-20160128"]] ACAP3 ...
[["BLCA_miRNASeqGene-20160128"]] hsa-let-7a-1 hsa-let-7a-2 ... hsa-mir-99b
[["BLCA_Mutation-20160128"]] character(0)
[["BLCA_RNASeq2GeneNorm-20160128"]] A1BG A1CF A2BP1 ... ZZZ3 psiTPTE22 tAKR
[["BLCA_RNASeqGene-20160128"]] A1BG A1CF A2BP1 A2LD1 ... ZZZ3 psiTPTE22 tAKR
...
<2 more elements>

> colnames( BLCA )
CharacterList of length 12
[["BLCA_CNASeq-20160128"]] TCGA-BL-A0C8-01A-11D-A10R-02 ...
[["BLCA_CNASNP-20160128"]] TCGA-2F-A9KO-01A-11D-A38F-01 ...
[["BLCA_CNVSNP-20160128"]] TCGA-2F-A9KO-01A-11D-A38F-01 ...
[["BLCA_GISTIC_AllByGene-20160128"]] TCGA-2F-A9KO-01A-11D-A38F-01 ...
[["BLCA_GISTIC_Peaks-20160128"]] TCGA-2F-A9KO-01A-11D-A38F-01 ...
[["BLCA_GISTIC_ThresholdedByGene-20160128"]] TCGA-2F-A9KO-01A-11D-A38F-01 ...
[["BLCA_miRNASeqGene-20160128"]] TCGA-2F-A9KO-01A-11R-A38M-13 ...
[["BLCA_Mutation-20160128"]] TCGA-BL-A0C8-01A-11D-A10S-08 ...
[["BLCA_RNASeq2GeneNorm-20160128"]] TCGA-2F-A9KO-01A-11R-A38B-07 ...
[["BLCA_RNASeqGene-20160128"]] TCGA-BL-A0C8-01A-11R-A10U-07 ...
...
<2 more elements>

```

Sizes of each ExperimentList element:

		assay size.Mb
1	BLCA_CNASeq-20160128	1 Mb
2	BLCA_CNASNP-20160128	13.1 Mb
3	BLCA_CNVSNP-20160128	3 Mb

```

4          BLCA_GISTIC_AllByGene-20160128  4.9 Mb
5          BLCA_GISTIC_Peaks-20160128    0.1 Mb
6 BLCA_GISTIC_ThresholdedByGene-20160128  4.9 Mb
7          BLCA_miRNASeqGene-20160128    0.1 Mb
8          BLCA_Mutation-20160128  56.1 Mb
9          BLCA_RNASeq2GeneNorm-20160128  1.3 Mb
10         BLCA_RNASeqGene-20160128    1.3 Mb
11         BLCA_RPPAArray-20160128      0 Mb
12         BLCA_Methylation-20160128  75.1 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

```

Including an additional 1695 columns

See Also

[BLCA-v2.0.1](#)

Description

A document describing the TCGA cancer code

Details

```
> experiments( BLCA )
ExperimentList class object of length 13:
 [1] BLCA_CNASeq-20160128: RaggedExperiment with 35692 rows and 232 columns
 [2] BLCA_CNASNP-20160128: RaggedExperiment with 479978 rows and 806 columns
 [3] BLCA_CNVSNP-20160128: RaggedExperiment with 104349 rows and 797 columns
 [4] BLCA_GISTIC_AllByGene-20160128: SummarizedExperiment with 24776 rows and 408 columns
 [5] BLCA_GISTIC_Peaks-20160128: RangedSummarizedExperiment with 71 rows and 408 columns
 [6] BLCA_GISTIC_ThresholdedByGene-20160128: SummarizedExperiment with 24776 rows and 408 columns
 [7] BLCA_miRNASeqGene-20160128: SummarizedExperiment with 1046 rows and 429 columns
 [8] BLCA_Mutation-20160128: RaggedExperiment with 39312 rows and 130 columns
 [9] BLCA_RNASeq2Gene-20160128: SummarizedExperiment with 20501 rows and 427 columns
[10] BLCA_RNASeq2GeneNorm-20160128: SummarizedExperiment with 20501 rows and 427 columns
[11] BLCA_RNASeqGene-20160128: SummarizedExperiment with 20502 rows and 67 columns
[12] BLCA_RPPAArray-20160128: SummarizedExperiment with 208 rows and 344 columns
[13] BLCA_Methylation-20160128: SummarizedExperiment with 485577 rows and 434 columns

> rownames( BLCA )
CharacterList of length 13
[["BLCA_CNASeq-20160128"]] character(0)
[["BLCA_CNASNP-20160128"]] character(0)
[["BLCA_CNVSNP-20160128"]] character(0)
[["BLCA_GISTIC_AllByGene-20160128"]] character(0)
[["BLCA_GISTIC_Peaks-20160128"]] 38 1 2 3 39 4 40 41 ... 69 70 34 35 36 37 71
[["BLCA_GISTIC_ThresholdedByGene-20160128"]] character(0)
[["BLCA_miRNASeqGene-20160128"]] hsa-let-7a-1 hsa-let-7a-2 ... hsa-mir-99b
[["BLCA_Mutation-20160128"]] character(0)
[["BLCA_RNASeq2Gene-20160128"]] A1BG A1CF A2BP1 A2LD1 ... ZZZ3 psiTPTE22 tAKR
[["BLCA_RNASeq2GeneNorm-20160128"]] A1BG A1CF A2BP1 ... ZZZ3 psiTPTE22 tAKR
...
<3 more elements>

> colnames( BLCA )
CharacterList of length 13
[["BLCA_CNASeq-20160128"]] TCGA-BL-A0C8-01A-11D-A10R-02 ...
[["BLCA_CNASNP-20160128"]] TCGA-2F-A9KO-01A-11D-A38F-01 ...
[["BLCA_CNVSNP-20160128"]] TCGA-2F-A9KO-01A-11D-A38F-01 ...
[["BLCA_GISTIC_AllByGene-20160128"]] TCGA-2F-A9KO-01A-11D-A38F-01 ...
[["BLCA_GISTIC_Peaks-20160128"]] TCGA-2F-A9KO-01A-11D-A38F-01 ...
[["BLCA_GISTIC_ThresholdedByGene-20160128"]] TCGA-2F-A9KO-01A-11D-A38F-01 ...
[["BLCA_miRNASeqGene-20160128"]] TCGA-2F-A9KO-01A-11R-A38M-13 ...
[["BLCA_Mutation-20160128"]] TCGA-BL-A0C8-01A-11D-A10S-08 ...
[["BLCA_RNASeq2Gene-20160128"]] TCGA-2F-A9KO-01A-11R-A38B-07 ...
```

```
[[ "BLCA_RNASeq2GeneNorm-20160128" ]] TCGA-2F-A9K0-01A-11R-A38B-07 ...
...
<3 more elements>
```

Sizes of each ExperimentList element:

		assay size.Mb
1	BLCA_CNASeq-20160128	1 Mb
2	BLCA_CNASNP-20160128	13.1 Mb
3	BLCA_CNVSNP-20160128	3 Mb
4	BLCA_GISTIC_AllByGene-20160128	80.7 Mb
5	BLCA_GISTIC_Peaks-20160128	0.4 Mb
6	BLCA_GISTIC_ThresholdedByGene-20160128	80.5 Mb
7	BLCA_miRNASeqGene-20160128	3.6 Mb
8	BLCA_Mutation-20160128	56.1 Mb
9	BLCA_RNASeq2Gene-20160128	69.4 Mb
10	BLCA_RNASeq2GeneNorm-20160128	69.4 Mb
11	BLCA_RNASeqGene-20160128	13 Mb
12	BLCA_RPPAArray-20160128	0.6 Mb
13	BLCA_Methylation-20160128	75.1 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

Including an additional 1695 columns

BLCA-v2.1.0

Bladder Urothelial Carcinoma

Description

A document describing the TCGA cancer code

Details

```
> experiments( BLCA )
ExperimentList class object of length 13:
 [1] BLCA_CNASeq-20160128: RaggedExperiment with 35692 rows and 232 columns
 [2] BLCA_CNASNP-20160128: RaggedExperiment with 479978 rows and 806 columns
 [3] BLCA_CNVSNP-20160128: RaggedExperiment with 104349 rows and 797 columns
 [4] BLCA_GISTIC_AllByGene-20160128: SummarizedExperiment with 24776 rows and 408 columns
 [5] BLCA_GISTIC_Peaks-20160128: RangedSummarizedExperiment with 71 rows and 408 columns
 [6] BLCA_GISTIC_ThresholdedByGene-20160128: SummarizedExperiment with 24776 rows and 408 columns
 [7] BLCA_Mutation-20160128: RaggedExperiment with 39312 rows and 130 columns
 [8] BLCA_RNASeq2Gene-20160128: SummarizedExperiment with 20501 rows and 427 columns
 [9] BLCA_RNASeqGene-20160128: SummarizedExperiment with 20502 rows and 67 columns
[10] BLCA_RPPAArray-20160128: SummarizedExperiment with 208 rows and 344 columns
[11] BLCA_miRNASeqGene-20160128: SummarizedExperiment with 1046 rows and 429 columns
[12] BLCA_RNASeq2GeneNorm-20160128: SummarizedExperiment with 18205 rows and 427 columns
[13] BLCA_Methylation-20160128: SummarizedExperiment with 485577 rows and 434 columns

> rownames( BLCA )
CharacterList of length 13
[["BLCA_CNASeq-20160128"]] character(0)
[["BLCA_CNASNP-20160128"]] character(0)
[["BLCA_CNVSNP-20160128"]] character(0)
[["BLCA_GISTIC_AllByGene-20160128"]] character(0)
[["BLCA_GISTIC_Peaks-20160128"]] 38 1 2 3 39 4 40 41 ... 69 70 34 35 36 37 71
[["BLCA_GISTIC_ThresholdedByGene-20160128"]] character(0)
[["BLCA_Mutation-20160128"]] character(0)
[["BLCA_RNASeq2Gene-20160128"]] A1BG A1CF A2BP1 A2LD1 ... ZZZ3 psiTPTE22 tAKR
[["BLCA_RNASeqGene-20160128"]] A1BG A1CF A2BP1 A2LD1 ... ZZZ3 psiTPTE22 tAKR
[["BLCA_RPPAArray-20160128"]] 14-3-3_beta ... p90RSK_pT359_S363
...
<3 more elements>

> colnames( BLCA )
CharacterList of length 13
[["BLCA_CNASeq-20160128"]] TCGA-BL-A0C8-01A-11D-A10R-02 ...
[["BLCA_CNASNP-20160128"]] TCGA-2F-A9KO-01A-11D-A38F-01 ...
[["BLCA_CNVSNP-20160128"]] TCGA-2F-A9KO-01A-11D-A38F-01 ...
[["BLCA_GISTIC_AllByGene-20160128"]] TCGA-2F-A9KO-01A-11D-A38F-01 ...
```

```

[["BLCA_GISTIC_Peaks-20160128"]] TCGA-2F-A9KO-01A-11D-A38F-01 ...
[["BLCA_GISTIC_ThresholdedByGene-20160128"]] TCGA-2F-A9KO-01A-11D-A38F-01 ...
[["BLCA_Mutation-20160128"]] TCGA-BL-A0C8-01A-11D-A10S-08 ...
[["BLCA_RNASeq2Gene-20160128"]] TCGA-2F-A9KO-01A-11R-A38B-07 ...
[["BLCA_RNASeqGene-20160128"]] TCGA-BL-A0C8-01A-11R-A10U-07 ...
[["BLCA_RPPAArray-20160128"]] TCGA-2F-A9KO-01A-21-A459-20 ...
...
<3 more elements>

```

Sizes of each ExperimentList element:

		assay size.Mb
1	BLCA_CNASeq-20160128	1 Mb
2	BLCA_CNASNP-20160128	13.1 Mb
3	BLCA_CNVSNP-20160128	3 Mb
4	BLCA_GISTIC_AllByGene-20160128	80.7 Mb
5	BLCA_GISTIC_Peaks-20160128	0.4 Mb
6	BLCA_GISTIC_ThresholdedByGene-20160128	80.5 Mb
7	BLCA_Mutation-20160128	56.1 Mb
8	BLCA_RNASeq2Gene-20160128	69.4 Mb
9	BLCA_RNASeqGene-20160128	13 Mb
10	BLCA_RPPAArray-20160128	0.6 Mb
11	BLCA_miRNASeqGene-20160128	3.6 Mb
12	BLCA_RNASeq2GeneNorm-20160128	61.6 Mb
13	BLCA_Methylation-20160128	75.1 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
[1,] 180      180      1.12      0.992      1.33

```

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

Including an additional 1695 columns

BRCA

Breast invasive carcinoma

Description

A document describing the TCGA cancer code

Details

```
> experiments( BRCA )
ExperimentList class object of length 14:
 [1] BRCA_CNASeq-20160128: RaggedExperiment with 5298 rows and 38 columns
 [2] BRCA_CNASNP-20160128: RaggedExperiment with 1132786 rows and 2209 columns
 [3] BRCA_CNVSNP-20160128: RaggedExperiment with 284458 rows and 2199 columns
 [4] BRCA_GISTIC_AllByGene-20160128: SummarizedExperiment with 24776 rows and 1080 columns
 [5] BRCA_GISTIC_Peaks-20160128: RangedSummarizedExperiment with 70 rows and 1080 columns
 [6] BRCA_GISTIC_ThresholdedByGene-20160128: SummarizedExperiment with 24776 rows and 1080 columns
 [7] BRCA_miRNASeqGene-20160128: SummarizedExperiment with 1046 rows and 849 columns
 [8] BRCA_mRNAArray-20160128: SummarizedExperiment with 17814 rows and 590 columns
 [9] BRCA_Mutation-20160128: RaggedExperiment with 90490 rows and 993 columns
[10] BRCA_RNASeq2GeneNorm-20160128: SummarizedExperiment with 20501 rows and 1212 columns
[11] BRCA_RNASeqGene-20160128: SummarizedExperiment with 20502 rows and 878 columns
[12] BRCA_RPPAArray-20160128: SummarizedExperiment with 226 rows and 937 columns
[13] BRCA_Methylation_methyl27-20160128: SummarizedExperiment with 27578 rows and 343 columns
[14] BRCA_Methylation_methyl450-20160128: SummarizedExperiment with 485577 rows and 885 columns

> rownames( BRCA )
CharacterList of length 14
[["BRCA_CNASeq-20160128"]] character(0)
[["BRCA_CNASNP-20160128"]] character(0)
[["BRCA_CNVSNP-20160128"]] character(0)
[["BRCA_GISTIC_AllByGene-20160128"]] ACAP3 ... WASIR1|ENSG00000185203.7
[["BRCA_GISTIC_Peaks-20160128"]] chr1:12675879-21133098 ...
[["BRCA_GISTIC_ThresholdedByGene-20160128"]] ACAP3 ...
[["BRCA_miRNASeqGene-20160128"]] hsa-let-7a-1 hsa-let-7a-2 ... hsa-mir-99b
[["BRCA_mRNAArray-20160128"]] ELM02 CREB3L1 RPS11 PNMA1 ... SNRPD2 AQP7 CTSC
[["BRCA_Mutation-20160128"]] character(0)
[["BRCA_RNASeq2GeneNorm-20160128"]] A1BG A1CF A2BP1 ... ZZZ3 psiTPTE22 tAKR
...
<4 more elements>
```

```
> colnames( BRCA )
CharacterList of length 14
[["BRCA_CNASeq-20160128"]] TCGA-A2-A0EU-01A-22D-A060-02 ...
[["BRCA_CNASNP-20160128"]] TCGA-3C-AAAU-01A-11D-A41E-01 ...
[["BRCA_CNVSNP-20160128"]] TCGA-3C-AAAU-01A-11D-A41E-01 ...
[["BRCA_GISTIC_AllByGene-20160128"]] TCGA-3C-AAAU-01A-11D-A41E-01 ...
[["BRCA_GISTIC_Peaks-20160128"]] TCGA-3C-AAAU-01A-11D-A41E-01 ...
[["BRCA_GISTIC_ThresholdedByGene-20160128"]] TCGA-3C-AAAU-01A-11D-A41E-01 ...
[["BRCA_miRNASeqGene-20160128"]] TCGA-3C-AAAU-01A-11R-A41G-13 ...
[["BRCA_mRNAArray-20160128"]] TCGA-A1-A0SD-01A-11R-A115-07 ...
[["BRCA_Mutation-20160128"]] TCGA-A1-A0SB-01A-11D-A142-09 ...
[["BRCA_RNASeq2GeneNorm-20160128"]] TCGA-3C-AAAU-01A-11R-A41B-07 ...
...
<4 more elements>
```

Sizes of each ExperimentList element:

		assay size.Mb
1	BRCA_CNASeq-20160128	0.2 Mb
2	BRCA_CNASNP-20160128	30.9 Mb
3	BRCA_CNVSNP-20160128	8.2 Mb
4	BRCA_GISTIC_AllByGene-20160128	5 Mb
5	BRCA_GISTIC_Peaks-20160128	0.2 Mb
6	BRCA_GISTIC_ThresholdedByGene-20160128	5 Mb
7	BRCA_miRNASeqGene-20160128	0.1 Mb
8	BRCA_mRNAArray-20160128	1.2 Mb
9	BRCA_Mutation-20160128	67.4 Mb
10	BRCA_RNASeq2GeneNorm-20160128	1.4 Mb
11	BRCA_RNASeqGene-20160128	1.4 Mb
12	BRCA_RPPAArray-20160128	0.1 Mb
13	BRCA_Methylation_methyl27-20160128	4.9 Mb
14	BRCA_Methylation_methyl450-20160128	75.1 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	asian
1	61
black or african american	white
183	757
NA's	
96	

```

ethnicity:
  hispanic or latino not hispanic or latino      NA's
                39                        884      175

```

Including an additional 2667 columns

See Also

[BRCA-v2.0.1](#)

BRCA-v2.0.1	<i>Breast invasive carcinoma</i>
-------------	----------------------------------

Description

A document describing the TCGA cancer code

Details

```

> experiments( BRCA )
ExperimentList class object of length 15:
 [1] BRCA_CNASeq-20160128: RaggedExperiment with 5298 rows and 38 columns
 [2] BRCA_CNASNP-20160128: RaggedExperiment with 1132786 rows and 2209 columns
 [3] BRCA_CNVSNP-20160128: RaggedExperiment with 284458 rows and 2199 columns
 [4] BRCA_GISTIC_AllByGene-20160128: SummarizedExperiment with 24776 rows and 1080 columns
 [5] BRCA_GISTIC_Peaks-20160128: RangedSummarizedExperiment with 70 rows and 1080 columns
 [6] BRCA_GISTIC_ThresholdedByGene-20160128: SummarizedExperiment with 24776 rows and 1080 columns
 [7] BRCA_miRNASeqGene-20160128: SummarizedExperiment with 1046 rows and 849 columns
 [8] BRCA_mRNAArray-20160128: SummarizedExperiment with 17814 rows and 590 columns
 [9] BRCA_Mutation-20160128: RaggedExperiment with 90490 rows and 993 columns
[10] BRCA_RNASeq2Gene-20160128: SummarizedExperiment with 20501 rows and 1212 columns
[11] BRCA_RNASeq2GeneNorm-20160128: SummarizedExperiment with 20501 rows and 1212 columns
[12] BRCA_RNASeqGene-20160128: SummarizedExperiment with 20502 rows and 878 columns
[13] BRCA_RPPAArray-20160128: SummarizedExperiment with 226 rows and 937 columns
[14] BRCA_Methylation_methyl27-20160128: SummarizedExperiment with 27578 rows and 343 columns
[15] BRCA_Methylation_methyl450-20160128: SummarizedExperiment with 485577 rows and 885 columns

> rownames( BRCA )
CharacterList of length 15
[["BRCA_CNASeq-20160128"]] character(0)
[["BRCA_CNASNP-20160128"]] character(0)
[["BRCA_CNVSNP-20160128"]] character(0)
[["BRCA_GISTIC_AllByGene-20160128"]] character(0)
[["BRCA_GISTIC_Peaks-20160128"]] 29 30 1 2 31 3 32 4 ... 66 27 67 28 68 69 70
[["BRCA_GISTIC_ThresholdedByGene-20160128"]] character(0)
[["BRCA_miRNASeqGene-20160128"]] hsa-let-7a-1 hsa-let-7a-2 ... hsa-mir-99b
[["BRCA_mRNAArray-20160128"]] ELM02 CREB3L1 RPS11 PNMA1 ... SNRPD2 AQP7 CTSC
[["BRCA_Mutation-20160128"]] character(0)
[["BRCA_RNASeq2Gene-20160128"]] A1BG A1CF A2BP1 A2LD1 ... ZZZ3 psiTPTE22 tAKR
...

```

<5 more elements>

```
> colnames( BRCA )
```

CharacterList of length 15

```
[[ "BRCA_CNASeq-20160128" ]] TCGA-A2-A0EU-01A-22D-A060-02 ...
[[ "BRCA_CNASNP-20160128" ]] TCGA-3C-AAAU-01A-11D-A41E-01 ...
[[ "BRCA_CNVSNP-20160128" ]] TCGA-3C-AAAU-01A-11D-A41E-01 ...
[[ "BRCA_GISTIC_AllByGene-20160128" ]] TCGA-3C-AAAU-01A-11D-A41E-01 ...
[[ "BRCA_GISTIC_Peaks-20160128" ]] TCGA-3C-AAAU-01A-11D-A41E-01 ...
[[ "BRCA_GISTIC_ThresholdedByGene-20160128" ]] TCGA-3C-AAAU-01A-11D-A41E-01 ...
[[ "BRCA_miRNASeqGene-20160128" ]] TCGA-3C-AAAU-01A-11R-A41G-13 ...
[[ "BRCA_mRNAArray-20160128" ]] TCGA-A1-A0SD-01A-11R-A115-07 ...
[[ "BRCA_Mutation-20160128" ]] TCGA-A1-A0SB-01A-11D-A142-09 ...
[[ "BRCA_RNASeq2Gene-20160128" ]] TCGA-3C-AAAU-01A-11R-A41B-07 ...
```

...

<5 more elements>

Sizes of each ExperimentList element:

	assay	size.Mb
1	BRCA_CNASeq-20160128	0.2 Mb
2	BRCA_CNASNP-20160128	30.9 Mb
3	BRCA_CNVSNP-20160128	8.2 Mb
4	BRCA_GISTIC_AllByGene-20160128	207.9 Mb
5	BRCA_GISTIC_Peaks-20160128	0.8 Mb
6	BRCA_GISTIC_ThresholdedByGene-20160128	207.7 Mb
7	BRCA_miRNASeqGene-20160128	7.1 Mb
8	BRCA_mRNAArray-20160128	82.5 Mb
9	BRCA_Mutation-20160128	67.4 Mb
10	BRCA_RNASeq2Gene-20160128	192.3 Mb
11	BRCA_RNASeq2GeneNorm-20160128	192.3 Mb
12	BRCA_RNASeqGene-20160128	140 Mb
13	BRCA_RPPAArray-20160128	1.8 Mb
14	BRCA_Methylation_methyl27-20160128	4.9 Mb
15	BRCA_Methylation_methyl450-20160128	75.1 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      asian
                                1      61
black or african american            white

```



```
> colnames( BRCA )
CharacterList of length 15
[["BRCA_CNASeq-20160128"]] TCGA-A2-A0EU-01A-22D-A060-02 ...
[["BRCA_CNASNP-20160128"]] TCGA-3C-AAAU-01A-11D-A41E-01 ...
[["BRCA_CNVSNP-20160128"]] TCGA-3C-AAAU-01A-11D-A41E-01 ...
[["BRCA_GISTIC_AllByGene-20160128"]] TCGA-3C-AAAU-01A-11D-A41E-01 ...
[["BRCA_GISTIC_Peaks-20160128"]] TCGA-3C-AAAU-01A-11D-A41E-01 ...
[["BRCA_GISTIC_ThresholdedByGene-20160128"]] TCGA-3C-AAAU-01A-11D-A41E-01 ...
[["BRCA_mRNAArray-20160128"]] TCGA-A1-A0SD-01A-11R-A115-07 ...
[["BRCA_Mutation-20160128"]] TCGA-A1-A0SB-01A-11D-A142-09 ...
[["BRCA_RNASeq2Gene-20160128"]] TCGA-3C-AAAU-01A-11R-A41B-07 ...
[["BRCA_RNASeqGene-20160128"]] TCGA-A1-A0SB-01A-11R-A144-07 ...
...
<5 more elements>
```

Sizes of each ExperimentList element:

	assay	size.Mb
1	BRCA_CNASeq-20160128	0.2 Mb
2	BRCA_CNASNP-20160128	30.9 Mb
3	BRCA_CNVSNP-20160128	8.2 Mb
4	BRCA_GISTIC_AllByGene-20160128	207.9 Mb
5	BRCA_GISTIC_Peaks-20160128	0.8 Mb
6	BRCA_GISTIC_ThresholdedByGene-20160128	207.7 Mb
7	BRCA_mRNAArray-20160128	82.5 Mb
8	BRCA_Mutation-20160128	67.4 Mb
9	BRCA_RNASeq2Gene-20160128	192.3 Mb
10	BRCA_RNASeqGene-20160128	140 Mb
11	BRCA_RPPAArray-20160128	1.8 Mb
12	BRCA_miRNASeqGene-20160128	7.1 Mb
13	BRCA_RNASeq2GeneNorm-20160128	171.7 Mb
14	BRCA_Methylation_methyl27-20160128	4.9 Mb
15	BRCA_Methylation_methyl450-20160128	75.1 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
[1,] 151    151   3.48    2.83    4.5
```

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	asian
1	61
black or african american	white
183	757

NA's
96

ethnicity:

hispanic or latino not hispanic or latino
39 884

NA's
175

Including an additional 2667 columns

CESC

Cervical squamous cell carcinoma and endocervical adenocarcinoma

Description

A document describing the TCGA cancer code

Details

```
> experiments( CESC )
ExperimentList class object of length 11:
 [1] CESC_CNASeq-20160128: RaggedExperiment with 7834 rows and 100 columns
 [2] CESC_CNASNP-20160128: RaggedExperiment with 267855 rows and 586 columns
 [3] CESC_CNVSNP-20160128: RaggedExperiment with 59450 rows and 586 columns
 [4] CESC_GISTIC_AllByGene-20160128: SummarizedExperiment with 24776 rows and 295 columns
 [5] CESC_GISTIC_Peaks-20160128: RangedSummarizedExperiment with 60 rows and 295 columns
 [6] CESC_GISTIC_ThresholdedByGene-20160128: SummarizedExperiment with 24776 rows and 295 columns
 [7] CESC_miRNASeqGene-20160128: SummarizedExperiment with 1046 rows and 312 columns
 [8] CESC_Mutation-20160128: RaggedExperiment with 46547 rows and 194 columns
 [9] CESC_RNASeq2GeneNorm-20160128: SummarizedExperiment with 20501 rows and 309 columns
[10] CESC_RPPAArray-20160128: SummarizedExperiment with 192 rows and 173 columns
[11] CESC_Methylation-20160128: SummarizedExperiment with 485577 rows and 312 columns

> rownames( CESC )
CharacterList of length 11
[["CESC_CNASeq-20160128"]] character(0)
[["CESC_CNASNP-20160128"]] character(0)
[["CESC_CNVSNP-20160128"]] character(0)
[["CESC_GISTIC_AllByGene-20160128"]] ACAP3 ... WASIR1|ENSG00000185203.7
[["CESC_GISTIC_Peaks-20160128"]] chr1:1-28840301 ... chr22:48668582-51304566
[["CESC_GISTIC_ThresholdedByGene-20160128"]] ACAP3 ...
[["CESC_miRNASeqGene-20160128"]] hsa-let-7a-1 hsa-let-7a-2 ... hsa-mir-99b
[["CESC_Mutation-20160128"]] character(0)
[["CESC_RNASeq2GeneNorm-20160128"]] A1BG A1CF A2BP1 ... ZZZ3 psiTPTE22 tAKR
[["CESC_RPPAArray-20160128"]] 14-3-3_beta ... p90RSK_pT359_S363
...
<1 more element>

> colnames( CESC )
CharacterList of length 11
[["CESC_CNASeq-20160128"]] TCGA-C5-A1BQ-01C-11D-A20X-26 ...
[["CESC_CNASNP-20160128"]] TCGA-2W-A8YY-01A-11D-A37M-01 ...
```

```

[["CESC_CNVSNP-20160128"]] TCGA-2W-A8YY-01A-11D-A37M-01 ...
[["CESC_GISTIC_AllByGene-20160128"]] TCGA-2W-A8YY-01A-11D-A37M-01 ...
[["CESC_GISTIC_Peaks-20160128"]] TCGA-2W-A8YY-01A-11D-A37M-01 ...
[["CESC_GISTIC_ThresholdedByGene-20160128"]] TCGA-2W-A8YY-01A-11D-A37M-01 ...
[["CESC_miRNASeqGene-20160128"]] TCGA-2W-A8YY-01A-11R-A37P-13 ...
[["CESC_Mutation-20160128"]] TCGA-BI-A0VR-01A-11D-A10S-08 ...
[["CESC_RNASeq2GeneNorm-20160128"]] TCGA-2W-A8YY-01A-11R-A37O-07 ...
[["CESC_RPPAArray-20160128"]] TCGA-2W-A8YY-01A-21-A40H-20 ...
...
<1 more element>

```

Sizes of each ExperimentList element:

		assay size.Mb
1	CESC_CNASeq-20160128	0.3 Mb
2	CESC_CNASNP-20160128	7.3 Mb
3	CESC_CNVSNP-20160128	1.8 Mb
4	CESC_GISTIC_AllByGene-20160128	4.9 Mb
5	CESC_GISTIC_Peaks-20160128	0.1 Mb
6	CESC_GISTIC_ThresholdedByGene-20160128	4.9 Mb
7	CESC_miRNASeqGene-20160128	0.1 Mb
8	CESC_Mutation-20160128	32.9 Mb
9	CESC_RNASeq2GeneNorm-20160128	1.3 Mb
10	CESC_RPPAArray-20160128	0 Mb
11	CESC_Methylation-20160128	75 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_pathology_text
307

menopause_status:

indeterminate (neither pre or postmenopausal)	3
peri (6-12 months since last menstrual period)	25
post (prior bilateral ovariectomy or >12 mo since lmp with no prior hysterectomy)	84
pre (<6 months since lmp and no prior bilateral ovariectomy and not on estrogen replacement)	125
NA's	70

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	

Including an additional 1330 columns

See Also

[CESC-v2.0.1](#)

CESC-v2.0.1	<i>Cervical squamous cell carcinoma and endocervical adenocarcinoma</i>
-------------	---

Description

A document describing the TCGA cancer code

Details

```
> experiments( CESC )
ExperimentList class object of length 12:
 [1] CESC_CNASeq-20160128: RaggedExperiment with 7834 rows and 100 columns
 [2] CESC_CNASNP-20160128: RaggedExperiment with 267855 rows and 586 columns
 [3] CESC_CNVSNP-20160128: RaggedExperiment with 59450 rows and 586 columns
 [4] CESC_GISTIC_AllByGene-20160128: SummarizedExperiment with 24776 rows and 295 columns
 [5] CESC_GISTIC_Peaks-20160128: RangedSummarizedExperiment with 60 rows and 295 columns
 [6] CESC_GISTIC_ThresholdedByGene-20160128: SummarizedExperiment with 24776 rows and 295 columns
 [7] CESC_miRNASeqGene-20160128: SummarizedExperiment with 1046 rows and 312 columns
 [8] CESC_Mutation-20160128: RaggedExperiment with 46547 rows and 194 columns
 [9] CESC_RNASeq2Gene-20160128: SummarizedExperiment with 20501 rows and 309 columns
 [10] CESC_RNASeq2GeneNorm-20160128: SummarizedExperiment with 20501 rows and 309 columns
 [11] CESC_RPPAArray-20160128: SummarizedExperiment with 192 rows and 173 columns
 [12] CESC_Methylation-20160128: SummarizedExperiment with 485577 rows and 312 columns

> rownames( CESC )
CharacterList of length 12
```

```

[["CESC_CNASeq-20160128"]] character(0)
[["CESC_CNASNP-20160128"]] character(0)
[["CESC_CNVSNP-20160128"]] character(0)
[["CESC_GISTIC_AllByGene-20160128"]] character(0)
[["CESC_GISTIC_Peaks-20160128"]] 27 1 28 2 3 29 4 30 ... 23 58 59 24 60 25 61
[["CESC_GISTIC_ThresholdedByGene-20160128"]] character(0)
[["CESC_miRNASeqGene-20160128"]] hsa-let-7a-1 hsa-let-7a-2 ... hsa-mir-99b
[["CESC_Mutation-20160128"]] character(0)
[["CESC_RNASeq2Gene-20160128"]] A1BG A1CF A2BP1 A2LD1 ... ZZZ3 psiTPTE22 tAKR
[["CESC_RNASeq2GeneNorm-20160128"]] A1BG A1CF A2BP1 ... ZZZ3 psiTPTE22 tAKR
...
<2 more elements>

```

```

> colnames( CESC )
CharacterList of length 12
[["CESC_CNASeq-20160128"]] TCGA-C5-A1BQ-01C-11D-A20X-26 ...
[["CESC_CNASNP-20160128"]] TCGA-2W-A8YY-01A-11D-A37M-01 ...
[["CESC_CNVSNP-20160128"]] TCGA-2W-A8YY-01A-11D-A37M-01 ...
[["CESC_GISTIC_AllByGene-20160128"]] TCGA-2W-A8YY-01A-11D-A37M-01 ...
[["CESC_GISTIC_Peaks-20160128"]] TCGA-2W-A8YY-01A-11D-A37M-01 ...
[["CESC_GISTIC_ThresholdedByGene-20160128"]] TCGA-2W-A8YY-01A-11D-A37M-01 ...
[["CESC_miRNASeqGene-20160128"]] TCGA-2W-A8YY-01A-11R-A37P-13 ...
[["CESC_Mutation-20160128"]] TCGA-BI-A0VR-01A-11D-A10S-08 ...
[["CESC_RNASeq2Gene-20160128"]] TCGA-2W-A8YY-01A-11R-A37O-07 ...
[["CESC_RNASeq2GeneNorm-20160128"]] TCGA-2W-A8YY-01A-11R-A37O-07 ...
...
<2 more elements>

```

Sizes of each ExperimentList element:

		assay size.Mb
1	CESC_CNASeq-20160128	0.3 Mb
2	CESC_CNASNP-20160128	7.3 Mb
3	CESC_CNVSNP-20160128	1.8 Mb
4	CESC_GISTIC_AllByGene-20160128	59.3 Mb
5	CESC_GISTIC_Peaks-20160128	0.3 Mb
6	CESC_GISTIC_ThresholdedByGene-20160128	59.1 Mb
7	CESC_miRNASeqGene-20160128	2.7 Mb
8	CESC_Mutation-20160128	32.9 Mb
9	CESC_RNASeq2Gene-20160128	50.9 Mb
10	CESC_RNASeq2GeneNorm-20160128	50.9 Mb
11	CESC_RPPAArray-20160128	0.3 Mb
12	CESC_Methylation-20160128	75 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

agebeganmokinginyears:

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_pathology_text	
	307

menopause_status:

indeterminate (neither pre or postmenopausal)	3
peri (6-12 months since last menstrual period)	25
post (prior bilateral ovariectomy or >12 mo since lmp with no prior hysterectomy)	84
pre (<6 months since lmp and no prior bilateral ovariectomy and not on estrogen replacement)	125
NA's	70

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

```

Including an additional 1330 columns

CESC-v2.1.0

Cervical squamous cell carcinoma and endocervical adenocarcinoma

Description

A document describing the TCGA cancer code

Details

```

> experiments( CESC )
ExperimentList class object of length 12:
[1] CESC_CNASeq-20160128: RaggedExperiment with 7834 rows and 100 columns

```

```

[2] CESC_CNASNP-20160128: RaggedExperiment with 267855 rows and 586 columns
[3] CESC_CNVSNP-20160128: RaggedExperiment with 59450 rows and 586 columns
[4] CESC_GISTIC_AllByGene-20160128: SummarizedExperiment with 24776 rows and 295 columns
[5] CESC_GISTIC_Peaks-20160128: RangedSummarizedExperiment with 60 rows and 295 columns
[6] CESC_GISTIC_ThresholdedByGene-20160128: SummarizedExperiment with 24776 rows and 295 columns
[7] CESC_Mutation-20160128: RaggedExperiment with 46547 rows and 194 columns
[8] CESC_RNASeq2Gene-20160128: SummarizedExperiment with 20501 rows and 309 columns
[9] CESC_RPPAArray-20160128: SummarizedExperiment with 192 rows and 173 columns
[10] CESC_miRNASeqGene-20160128: SummarizedExperiment with 1046 rows and 312 columns
[11] CESC_RNASeq2GeneNorm-20160128: SummarizedExperiment with 18162 rows and 309 columns
[12] CESC_Methylation-20160128: SummarizedExperiment with 485577 rows and 312 columns

```

```

> rownames( CESC )
CharacterList of length 12
[["CESC_CNASNP-20160128"]] character(0)
[["CESC_CNVSNP-20160128"]] character(0)
[["CESC_GISTIC_AllByGene-20160128"]] character(0)
[["CESC_GISTIC_Peaks-20160128"]] 27 1 28 2 3 29 4 30 ... 23 58 59 24 60 25 61
[["CESC_GISTIC_ThresholdedByGene-20160128"]] character(0)
[["CESC_Mutation-20160128"]] character(0)
[["CESC_RNASeq2Gene-20160128"]] A1BG A1CF A2BP1 A2LD1 ... ZZZ3 psiTPTE22 tAKR
[["CESC_RPPAArray-20160128"]] 14-3-3_beta ... p90RSK_pT359_S363
[["CESC_miRNASeqGene-20160128"]] hsa-let-7a-1 hsa-let-7a-2 ... hsa-mir-99b
...
<2 more elements>

```

```

> colnames( CESC )
CharacterList of length 12
[["CESC_CNASNP-20160128"]] TCGA-C5-A1BQ-01C-11D-A20X-26 ...
[["CESC_CNVSNP-20160128"]] TCGA-2W-A8YY-01A-11D-A37M-01 ...
[["CESC_GISTIC_AllByGene-20160128"]] TCGA-2W-A8YY-01A-11D-A37M-01 ...
[["CESC_GISTIC_Peaks-20160128"]] TCGA-2W-A8YY-01A-11D-A37M-01 ...
[["CESC_GISTIC_ThresholdedByGene-20160128"]] TCGA-2W-A8YY-01A-11D-A37M-01 ...
[["CESC_Mutation-20160128"]] TCGA-BI-A0VR-01A-11D-A10S-08 ...
[["CESC_RNASeq2Gene-20160128"]] TCGA-2W-A8YY-01A-11R-A370-07 ...
[["CESC_RPPAArray-20160128"]] TCGA-2W-A8YY-01A-21-A40H-20 ...
[["CESC_miRNASeqGene-20160128"]] TCGA-2W-A8YY-01A-11R-A37P-13 ...
...
<2 more elements>

```

Sizes of each ExperimentList element:

		assay size.Mb
1	CESC_CNASNP-20160128	0.3 Mb
2	CESC_CNVSNP-20160128	7.3 Mb
3	CESC_CNVSNP-20160128	1.8 Mb
4	CESC_GISTIC_AllByGene-20160128	59.3 Mb
5	CESC_GISTIC_Peaks-20160128	0.3 Mb
6	CESC_GISTIC_ThresholdedByGene-20160128	59.1 Mb
7	CESC_Mutation-20160128	32.9 Mb

```

8          CESC_RNASeq2Gene-20160128 50.9 Mb
9          CESC_RPPAArray-20160128  0.3 Mb
10         CESC_miRNASeqGene-20160128 2.7 Mb
11         CESC_RNASeq2GeneNorm-20160128 45.1 Mb
12         CESC_Methylation-20160128  75 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
[1,] 72      72      1.7      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

agebegan 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

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_pathology_text						307
menopause_status:						
			indeterminate (neither pre or postmenopausal)			3
			peri (6-12 months since last menstrual period)			25
			post (prior bilateral ovariectomy or >12 mo since lmp with no prior hysterectomy)			84
			pre (<6 months since lmp and no prior bilateral ovariectomy and not on estrogen replacement)			125
						NA's
						70
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

Including an additional 1330 columns

CHOL

*Cholangiocarcinoma***Description**

A document describing the TCGA cancer code

Details

```
> experiments( CHOL )
ExperimentList class object of length 10:
 [1] CHOL_CNASNP-20160128: RaggedExperiment with 39698 rows and 85 columns
 [2] CHOL_CNVSNP-20160128: RaggedExperiment with 7570 rows and 85 columns
 [3] CHOL_GISTIC_AllByGene-20160128: SummarizedExperiment with 24776 rows and 36 columns
 [4] CHOL_GISTIC_Peaks-20160128: RangedSummarizedExperiment with 19 rows and 36 columns
 [5] CHOL_GISTIC_ThresholdedByGene-20160128: SummarizedExperiment with 24776 rows and 36 columns
 [6] CHOL_miRNASeqGene-20160128: SummarizedExperiment with 1046 rows and 45 columns
 [7] CHOL_Mutation-20160128: RaggedExperiment with 6755 rows and 35 columns
 [8] CHOL_RNASeq2GeneNorm-20160128: SummarizedExperiment with 20501 rows and 45 columns
 [9] CHOL_RPPAArray-20160128: SummarizedExperiment with 192 rows and 30 columns
[10] CHOL_Methylation-20160128: SummarizedExperiment with 485577 rows and 45 columns

> rownames( CHOL )
CharacterList of length 10
[["CHOL_CNASNP-20160128"]] character(0)
[["CHOL_CNVSNP-20160128"]] character(0)
[["CHOL_GISTIC_AllByGene-20160128"]] ACAP3 ... WASIR1|ENSG00000185203.7
[["CHOL_GISTIC_Peaks-20160128"]] chr1:7829287-29140747 ... chr16:1-90354753
[["CHOL_GISTIC_ThresholdedByGene-20160128"]] ACAP3 ...
[["CHOL_miRNASeqGene-20160128"]] hsa-let-7a-1 hsa-let-7a-2 ... hsa-mir-99b
[["CHOL_Mutation-20160128"]] character(0)
[["CHOL_RNASeq2GeneNorm-20160128"]] A1BG A1CF A2BP1 ... ZZZ3 psiTPTE22 tAKR
[["CHOL_RPPAArray-20160128"]] 14-3-3_beta ... p90RSK_pT359_S363
[["CHOL_Methylation-20160128"]] cg00000029 cg00000108 ... rs966367 rs9839873

> colnames( CHOL )
CharacterList of length 10
[["CHOL_CNASNP-20160128"]] TCGA-3X-AAV9-01A-72D-A416-01 ...
[["CHOL_CNVSNP-20160128"]] TCGA-3X-AAV9-01A-72D-A416-01 ...
[["CHOL_GISTIC_AllByGene-20160128"]] TCGA-3X-AAV9-01A-72D-A416-01 ...
[["CHOL_GISTIC_Peaks-20160128"]] TCGA-3X-AAV9-01A-72D-A416-01 ...
[["CHOL_GISTIC_ThresholdedByGene-20160128"]] TCGA-3X-AAV9-01A-72D-A416-01 ...
[["CHOL_miRNASeqGene-20160128"]] TCGA-3X-AAV9-01A-72R-A41D-13 ...
[["CHOL_Mutation-20160128"]] TCGA-3X-AAV9-01A-72D-A417-09 ...
[["CHOL_RNASeq2GeneNorm-20160128"]] TCGA-3X-AAV9-01A-72R-A41I-07 ...
[["CHOL_RPPAArray-20160128"]] TCGA-3X-AAV9-01A-81-A45N-20 ...
[["CHOL_Methylation-20160128"]] TCGA-3X-AAV9-01A-72D-A418-05 ...
```

Sizes of each ExperimentList element:

assay size.Mb

1	CHOL_CNASNP-20160128	1.1 Mb
2	CHOL_CNVSNP-20160128	0.2 Mb
3	CHOL_GISTIC_AllByGene-20160128	4.9 Mb
4	CHOL_GISTIC_Peaks-20160128	0 Mb
5	CHOL_GISTIC_ThresholdedByGene-20160128	4.9 Mb
6	CHOL_miRNASeqGene-20160128	0.1 Mb
7	CHOL_Mutation-20160128	4.6 Mb
8	CHOL_RNASeq2GeneNorm-20160128	1.3 Mb
9	CHOL_RPPAArray-20160128	0 Mb
10	CHOL_Methylation-20160128	75 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

Details

```

> experiments( CHOL )
ExperimentList class object of length 11:
 [1] CHOL_CNASNP-20160128: RaggedExperiment with 39698 rows and 85 columns
 [2] CHOL_CNVSNP-20160128: RaggedExperiment with 7570 rows and 85 columns
 [3] CHOL_GISTIC_AllByGene-20160128: SummarizedExperiment with 24776 rows and 36 columns
 [4] CHOL_GISTIC_Peaks-20160128: RangedSummarizedExperiment with 19 rows and 36 columns
 [5] CHOL_GISTIC_ThresholdedByGene-20160128: SummarizedExperiment with 24776 rows and 36 columns
 [6] CHOL_miRNASeqGene-20160128: SummarizedExperiment with 1046 rows and 45 columns
 [7] CHOL_Mutation-20160128: RaggedExperiment with 6755 rows and 35 columns
 [8] CHOL_RNASeq2Gene-20160128: SummarizedExperiment with 20501 rows and 45 columns
 [9] CHOL_RNASeq2GeneNorm-20160128: SummarizedExperiment with 20501 rows and 45 columns
[10] CHOL_RPPAArray-20160128: SummarizedExperiment with 192 rows and 30 columns
[11] CHOL_Methylation-20160128: SummarizedExperiment with 485577 rows and 45 columns

> rownames( CHOL )
CharacterList of length 11
[["CHOL_CNASNP-20160128"]] character(0)
[["CHOL_CNVSNP-20160128"]] character(0)
[["CHOL_GISTIC_AllByGene-20160128"]] character(0)
[["CHOL_GISTIC_Peaks-20160128"]] 4 1 5 6 7 8 9 10 ... 13 3 14 15 18 16 17 20
[["CHOL_GISTIC_ThresholdedByGene-20160128"]] character(0)
[["CHOL_miRNASeqGene-20160128"]] hsa-let-7a-1 hsa-let-7a-2 ... hsa-mir-99b
[["CHOL_Mutation-20160128"]] character(0)
[["CHOL_RNASeq2Gene-20160128"]] A1BG A1CF A2BP1 A2LD1 ... ZZZ3 psiTPTE22 tAKR
[["CHOL_RNASeq2GeneNorm-20160128"]] A1BG A1CF A2BP1 ... ZZZ3 psiTPTE22 tAKR
[["CHOL_RPPAArray-20160128"]] 14-3-3_beta ... p90RSK_pT359_S363
...
<1 more element>

> colnames( CHOL )
CharacterList of length 11
[["CHOL_CNASNP-20160128"]] TCGA-3X-AAV9-01A-72D-A416-01 ...
[["CHOL_CNVSNP-20160128"]] TCGA-3X-AAV9-01A-72D-A416-01 ...
[["CHOL_GISTIC_AllByGene-20160128"]] TCGA-3X-AAV9-01A-72D-A416-01 ...
[["CHOL_GISTIC_Peaks-20160128"]] TCGA-3X-AAV9-01A-72D-A416-01 ...
[["CHOL_GISTIC_ThresholdedByGene-20160128"]] TCGA-3X-AAV9-01A-72D-A416-01 ...
[["CHOL_miRNASeqGene-20160128"]] TCGA-3X-AAV9-01A-72R-A41D-13 ...
[["CHOL_Mutation-20160128"]] TCGA-3X-AAV9-01A-72D-A417-09 ...
[["CHOL_RNASeq2Gene-20160128"]] TCGA-3X-AAV9-01A-72R-A41I-07 ...
[["CHOL_RNASeq2GeneNorm-20160128"]] TCGA-3X-AAV9-01A-72R-A41I-07 ...
[["CHOL_RPPAArray-20160128"]] TCGA-3X-AAV9-01A-81-A45N-20 ...
...
<1 more element>

```

Sizes of each ExperimentList element:

		assay size.Mb
1	CHOL_CNASNP-20160128	1.1 Mb
2	CHOL_CNVSNP-20160128	0.2 Mb
3	CHOL_GISTIC_AllByGene-20160128	10.2 Mb
4	CHOL_GISTIC_Peaks-20160128	0 Mb

```

5  CHOL_GISTIC_ThresholdedByGene-20160128 10.1 Mb
6          CHOL_miRNASeqGene-20160128  0.5 Mb
7          CHOL_Mutation-20160128   4.6 Mb
8          CHOL_RNASeq2Gene-20160128  9.6 Mb
9          CHOL_RNASeq2GeneNorm-20160128 9.6 Mb
10         CHOL_RPPAArray-20160128  0.1 Mb
11         CHOL_Methylation-20160128   75 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

3

2

white

31

ethnicity:

hispanic or latino not hispanic or latino

2

33

NA's

1

Including an additional 622 columns

CHOL-v2.1.0

Cholangiocarcinoma

Description

A document describing the TCGA cancer code

Details

```
> experiments( CHOL )
```

ExperimentList class object of length 11:

[1] CHOL_CNASNP-20160128: RaggedExperiment with 39698 rows and 85 columns

[2] CHOL_CNVSNP-20160128: RaggedExperiment with 7570 rows and 85 columns

[3] CHOL_GISTIC_AllByGene-20160128: SummarizedExperiment with 24776 rows and 36 columns

```
[4] CHOL_GISTIC_Peaks-20160128: RangedSummarizedExperiment with 19 rows and 36 columns
[5] CHOL_GISTIC_ThresholdedByGene-20160128: SummarizedExperiment with 24776 rows and 36 columns
[6] CHOL_Mutation-20160128: RaggedExperiment with 6755 rows and 35 columns
[7] CHOL_RNASeq2Gene-20160128: SummarizedExperiment with 20501 rows and 45 columns
[8] CHOL_RPPAArray-20160128: SummarizedExperiment with 192 rows and 30 columns
[9] CHOL_miRNASeqGene-20160128: SummarizedExperiment with 1046 rows and 45 columns
[10] CHOL_RNASeq2GeneNorm-20160128: SummarizedExperiment with 18002 rows and 45 columns
[11] CHOL_Methylation-20160128: SummarizedExperiment with 485577 rows and 45 columns
```

```
> rownames( CHOL )
CharacterList of length 11
[["CHOL_CNASNP-20160128"]] character(0)
[["CHOL_CNVSNP-20160128"]] character(0)
[["CHOL_GISTIC_AllByGene-20160128"]] character(0)
[["CHOL_GISTIC_Peaks-20160128"]] 4 1 5 6 7 8 9 10 ... 13 3 14 15 18 16 17 20
[["CHOL_GISTIC_ThresholdedByGene-20160128"]] character(0)
[["CHOL_Mutation-20160128"]] character(0)
[["CHOL_RNASeq2Gene-20160128"]] A1BG A1CF A2BP1 A2LD1 ... ZZZ3 psiTPTE22 tAKR
[["CHOL_RPPAArray-20160128"]] 14-3-3_beta ... p90RSK_pT359_S363
[["CHOL_miRNASeqGene-20160128"]] hsa-let-7a-1 hsa-let-7a-2 ... hsa-mir-99b
[["CHOL_RNASeq2GeneNorm-20160128"]] A1BG A1CF A2BP1 ... ZZZ3 psiTPTE22 tAKR
...
<1 more element>
```

```
> colnames( CHOL )
CharacterList of length 11
[["CHOL_CNASNP-20160128"]] TCGA-3X-AAV9-01A-72D-A416-01 ...
[["CHOL_CNVSNP-20160128"]] TCGA-3X-AAV9-01A-72D-A416-01 ...
[["CHOL_GISTIC_AllByGene-20160128"]] TCGA-3X-AAV9-01A-72D-A416-01 ...
[["CHOL_GISTIC_Peaks-20160128"]] TCGA-3X-AAV9-01A-72D-A416-01 ...
[["CHOL_GISTIC_ThresholdedByGene-20160128"]] TCGA-3X-AAV9-01A-72D-A416-01 ...
[["CHOL_Mutation-20160128"]] TCGA-3X-AAV9-01A-72D-A417-09 ...
[["CHOL_RNASeq2Gene-20160128"]] TCGA-3X-AAV9-01A-72R-A41I-07 ...
[["CHOL_RPPAArray-20160128"]] TCGA-3X-AAV9-01A-81-A45N-20 ...
[["CHOL_miRNASeqGene-20160128"]] TCGA-3X-AAV9-01A-72R-A41D-13 ...
[["CHOL_RNASeq2GeneNorm-20160128"]] TCGA-3X-AAV9-01 ... TCGA-ZU-A8S4-01
...
<1 more element>
```

Sizes of each ExperimentList element:

		assay size.Mb
1	CHOL_CNASNP-20160128	1.1 Mb
2	CHOL_CNVSNP-20160128	0.2 Mb
3	CHOL_GISTIC_AllByGene-20160128	10.2 Mb
4	CHOL_GISTIC_Peaks-20160128	0 Mb
5	CHOL_GISTIC_ThresholdedByGene-20160128	10.1 Mb
6	CHOL_Mutation-20160128	4.6 Mb
7	CHOL_RNASeq2Gene-20160128	9.6 Mb
8	CHOL_RPPAArray-20160128	0.1 Mb
9	CHOL_miRNASeqGene-20160128	0.5 Mb
10	CHOL_RNASeq2GeneNorm-20160128	8.4 Mb

11 CHOL_Methylation-20160128 75 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
[1,] 18 18 1.37 0.742 2.53

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
```

Including an additional 622 columns

COAD

Colon adenocarcinoma

Description

A document describing the TCGA cancer code

Details

```
> experiments( COAD )
ExperimentList class object of length 14:
 [1] COAD_CNASeq-20160128: RaggedExperiment with 40530 rows and 136 columns
 [2] COAD_CNASNP-20160128: RaggedExperiment with 459490 rows and 914 columns
 [3] COAD_CNVSNP-20160128: RaggedExperiment with 90534 rows and 914 columns
 [4] COAD_GISTIC_AllByGene-20160128: SummarizedExperiment with 24776 rows and 449 columns
 [5] COAD_GISTIC_Peaks-20160128: RangedSummarizedExperiment with 66 rows and 449 columns
 [6] COAD_GISTIC_ThresholdedByGene-20160128: SummarizedExperiment with 24776 rows and 449 columns
 [7] COAD_miRNASeqGene-20160128: SummarizedExperiment with 705 rows and 221 columns
 [8] COAD_mRNAArray-20160128: SummarizedExperiment with 17814 rows and 172 columns
 [9] COAD_Mutation-20160128: RaggedExperiment with 62530 rows and 154 columns
```

```
[10] COAD_RNASeq2GeneNorm-20160128: SummarizedExperiment with 20501 rows and 191 columns
[11] COAD_RNASeqGene-20160128: SummarizedExperiment with 20502 rows and 10 columns
[12] COAD_RPPAArray-20160128: SummarizedExperiment with 208 rows and 360 columns
[13] COAD_Methylation_methyl27-20160128: SummarizedExperiment with 27578 rows and 202 columns
[14] COAD_Methylation_methyl450-20160128: SummarizedExperiment with 485577 rows and 333 columns
```

```
> rownames( COAD )
CharacterList of length 14
[["COAD_CNASeq-20160128"]] character(0)
[["COAD_CNASNP-20160128"]] character(0)
[["COAD_CNVSNP-20160128"]] character(0)
[["COAD_GISTIC_AllByGene-20160128"]] ACAP3 ... WASIR1|ENSG00000185203.7
[["COAD_GISTIC_Peaks-20160128"]] chr1:26527443-27650365 ...
[["COAD_GISTIC_ThresholdedByGene-20160128"]] ACAP3 ...
[["COAD_miRNASeqGene-20160128"]] hsa-let-7a-1 hsa-let-7a-2 ... hsa-mir-99b
[["COAD_mRNAArray-20160128"]] ELM02 CREB3L1 RPS11 PNMA1 ... SNRPD2 AQP7 CTSC
[["COAD_Mutation-20160128"]] character(0)
[["COAD_RNASeq2GeneNorm-20160128"]] A1BG A1CF A2BP1 ... ZZZ3 psiTPTE22 tAKR
...
<4 more elements>

> colnames( COAD )
CharacterList of length 14
[["COAD_CNASeq-20160128"]] TCGA-A6-2671-01A-01D-1405-02 ...
[["COAD_CNASNP-20160128"]] TCGA-3L-AA1B-01A-11D-A36W-01 ...
[["COAD_CNVSNP-20160128"]] TCGA-3L-AA1B-01A-11D-A36W-01 ...
[["COAD_GISTIC_AllByGene-20160128"]] TCGA-3L-AA1B-01A-11D-A36W-01 ...
[["COAD_GISTIC_Peaks-20160128"]] TCGA-3L-AA1B-01A-11D-A36W-01 ...
[["COAD_GISTIC_ThresholdedByGene-20160128"]] TCGA-3L-AA1B-01A-11D-A36W-01 ...
[["COAD_miRNASeqGene-20160128"]] TCGA-A6-2675-01A-02T-1722-13 ...
[["COAD_mRNAArray-20160128"]] TCGA-A6-2671-11A-01R-1758-07 ...
[["COAD_Mutation-20160128"]] TCGA-A6-2672-01A-01W-0833-10 ...
[["COAD_RNASeq2GeneNorm-20160128"]] TCGA-A6-2671-01A-01R-1410-07 ...
...
<4 more elements>
```

Sizes of each ExperimentList element:

		assay size.Mb
1	COAD_CNASeq-20160128	1.1 Mb
2	COAD_CNASNP-20160128	12.5 Mb
3	COAD_CNVSNP-20160128	2.7 Mb
4	COAD_GISTIC_AllByGene-20160128	4.9 Mb
5	COAD_GISTIC_Peaks-20160128	0.1 Mb
6	COAD_GISTIC_ThresholdedByGene-20160128	4.9 Mb
7	COAD_miRNASeqGene-20160128	0.1 Mb
8	COAD_mRNAArray-20160128	1.1 Mb
9	COAD_Mutation-20160128	23.6 Mb
10	COAD_RNASeq2GeneNorm-20160128	1.3 Mb
11	COAD_RNASeqGene-20160128	1.3 Mb
12	COAD_RPPAArray-20160128	0 Mb
13	COAD_Methylation_methyl27-20160128	4.9 Mb

14 COAD_Methylation_methyl450-20160128 75 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

tumor_tissue_site:

colon	NA's
456	1

date_of_initial_pathologic_diagnosis:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.
1998	2007	2009	2008	2010	2013

radiation_therapy:

no	yes	NA's
378	9	70

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
--------------------	---	------------------------	-----	------	-----

Including an additional 2604 columns

See Also

[COAD-v2.0.1](#)

Description

A document describing the TCGA cancer code

Details

```
> experiments( COAD )
ExperimentList class object of length 16:
 [1] COAD_CNASeq-20160128: RaggedExperiment with 40530 rows and 136 columns
 [2] COAD_CNASNP-20160128: RaggedExperiment with 459490 rows and 914 columns
 [3] COAD_CNVSNP-20160128: RaggedExperiment with 90534 rows and 914 columns
 [4] COAD_GISTIC_AllByGene-20160128: SummarizedExperiment with 24776 rows and 449 columns
 [5] COAD_GISTIC_Peaks-20160128: RangedSummarizedExperiment with 66 rows and 449 columns
 [6] COAD_GISTIC_ThresholdedByGene-20160128: SummarizedExperiment with 24776 rows and 449 columns
 [7] COAD_miRNASeqGene-20160128: SummarizedExperiment with 705 rows and 221 columns
 [8] COAD_mRNAArray-20160128: SummarizedExperiment with 17814 rows and 172 columns
 [9] COAD_Mutation-20160128: RaggedExperiment with 62530 rows and 154 columns
[10] COAD_RNASeq2Gene-20160128: SummarizedExperiment with 20501 rows and 326 columns
[11] COAD_RNASeq2GeneNorm_illumina-20160128: SummarizedExperiment with 20501 rows and 191 columns
[12] COAD_RNASeq2GeneNorm_illumina-20160128: SummarizedExperiment with 20501 rows and 326 columns
[13] COAD_RNASeqGene-20160128: SummarizedExperiment with 20502 rows and 10 columns
[14] COAD_RPPAArray-20160128: SummarizedExperiment with 208 rows and 360 columns
[15] COAD_Methylation_methyl27-20160128: SummarizedExperiment with 27578 rows and 202 columns
[16] COAD_Methylation_methyl450-20160128: SummarizedExperiment with 485577 rows and 333 columns

> rownames( COAD )
CharacterList of length 16
[["COAD_CNASeq-20160128"]] character(0)
[["COAD_CNASNP-20160128"]] character(0)
[["COAD_CNVSNP-20160128"]] character(0)
[["COAD_GISTIC_AllByGene-20160128"]] character(0)
[["COAD_GISTIC_Peaks-20160128"]] 23 24 25 26 27 1 28 ... 18 19 20 21 22 65 66
[["COAD_GISTIC_ThresholdedByGene-20160128"]] character(0)
[["COAD_miRNASeqGene-20160128"]] hsa-let-7a-1 hsa-let-7a-2 ... hsa-mir-99b
[["COAD_mRNAArray-20160128"]] ELM02 CREB3L1 RPS11 PNMA1 ... SNRPD2 AQP7 CTSC
[["COAD_Mutation-20160128"]] character(0)
[["COAD_RNASeq2Gene-20160128"]] A1BG A1CF A2BP1 A2LD1 ... ZZZ3 psiTPTE22 tAKR
...
<6 more elements>

> colnames( COAD )
CharacterList of length 16
[["COAD_CNASeq-20160128"]] TCGA-A6-2671-01A-01D-1405-02 ...
[["COAD_CNASNP-20160128"]] TCGA-3L-AA1B-01A-11D-A36W-01 ...
[["COAD_CNVSNP-20160128"]] TCGA-3L-AA1B-01A-11D-A36W-01 ...
[["COAD_GISTIC_AllByGene-20160128"]] TCGA-3L-AA1B-01A-11D-A36W-01 ...
[["COAD_GISTIC_Peaks-20160128"]] TCGA-3L-AA1B-01A-11D-A36W-01 ...
[["COAD_GISTIC_ThresholdedByGene-20160128"]] TCGA-3L-AA1B-01A-11D-A36W-01 ...
[["COAD_miRNASeqGene-20160128"]] TCGA-A6-2675-01A-02T-1722-13 ...
[["COAD_mRNAArray-20160128"]] TCGA-A6-2671-11A-01R-1758-07 ...
[["COAD_Mutation-20160128"]] TCGA-A6-2672-01A-01W-0833-10 ...
[["COAD_RNASeq2Gene-20160128"]] TCGA-3L-AA1B-01A-11R-A37K-07 ...
...
```

<6 more elements>

Sizes of each ExperimentList element:

		assay size.Mb
1	COAD_CNASeq-20160128	1.1 Mb
2	COAD_CNASNP-20160128	12.5 Mb
3	COAD_CNVSNP-20160128	2.7 Mb
4	COAD_GISTIC_AllByGene-20160128	88.5 Mb
5	COAD_GISTIC_Peaks-20160128	0.4 Mb
6	COAD_GISTIC_ThresholdedByGene-20160128	88.3 Mb
7	COAD_miRNASeqGene-20160128	1.3 Mb
8	COAD_mRNAArray-20160128	25.6 Mb
9	COAD_Mutation-20160128	23.6 Mb
10	COAD_RNASeq2Gene-20160128	53.6 Mb
11	COAD_RNASeq2GeneNorm_illumina-20160128	32.5 Mb
12	COAD_RNASeq2GeneNorm_illumina-hiseq-20160128	53.6 Mb
13	COAD_RNASeqGene-20160128	4.1 Mb
14	COAD_RPPAArray-20160128	0.7 Mb
15	COAD_Methylation_methyl27-20160128	4.9 Mb
16	COAD_Methylation_methyl450-20160128	75 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

tumor_tissue_site:

colon NA's

456	1
-----	---

date_of_initial_pathologic_diagnosis:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.
1998	2007	2009	2008	2010	2013

radiation_therapy:

no yes NA's

378	9	70
-----	---	----

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

Including an additional 2604 columns

COAD-v2.1.0

Colon adenocarcinoma

Description

A document describing the TCGA cancer code

Details

```
> experiments( COAD )
ExperimentList class object of length 17:
 [1] COAD_CNASeq-20160128: RaggedExperiment with 40530 rows and 136 columns
 [2] COAD_CNASNP-20160128: RaggedExperiment with 459490 rows and 914 columns
 [3] COAD_CNVSNP-20160128: RaggedExperiment with 90534 rows and 914 columns
 [4] COAD_GISTIC_AllByGene-20160128: SummarizedExperiment with 24776 rows and 449 columns
 [5] COAD_GISTIC_Peaks-20160128: RangedSummarizedExperiment with 66 rows and 449 columns
 [6] COAD_GISTIC_ThresholdedByGene-20160128: SummarizedExperiment with 24776 rows and 449 columns
 [7] COAD_mRNAArray-20160128: SummarizedExperiment with 17814 rows and 172 columns
 [8] COAD_Mutation-20160128: RaggedExperiment with 62530 rows and 154 columns
 [9] COAD_RNASeq2Gene-20160128: SummarizedExperiment with 20501 rows and 326 columns
[10] COAD_RNASeq2GeneNorm_illumina-20160128: SummarizedExperiment with 20501 rows and 191 columns
[11] COAD_RNASeq2GeneNorm_illumina-hiseq-20160128: SummarizedExperiment with 20501 rows and 326 columns
[12] COAD_RNASeqGene-20160128: SummarizedExperiment with 20502 rows and 10 columns
[13] COAD_RPPAArray-20160128: SummarizedExperiment with 208 rows and 360 columns
[14] COAD_miRNASeqGene-20160128: SummarizedExperiment with 705 rows and 221 columns
[15] COAD_RNASeq2GeneNorm-20160128: SummarizedExperiment with 18025 rows and 498 columns
[16] COAD_Methylation_methyl27-20160128: SummarizedExperiment with 27578 rows and 202 columns
[17] COAD_Methylation_methyl450-20160128: SummarizedExperiment with 485577 rows and 333 columns

> rownames( COAD )
CharacterList of length 17
[["COAD_CNASeq-20160128"]] character(0)
[["COAD_CNASNP-20160128"]] character(0)
[["COAD_CNVSNP-20160128"]] character(0)
[["COAD_GISTIC_AllByGene-20160128"]] character(0)
[["COAD_GISTIC_Peaks-20160128"]] 23 24 25 26 27 1 28 ... 18 19 20 21 22 65 66
[["COAD_GISTIC_ThresholdedByGene-20160128"]] character(0)
[["COAD_mRNAArray-20160128"]] ELM02 CREB3L1 RPS11 PNMA1 ... SNRPD2 AQP7 CTSC
```

```

[["COAD_Mutation-20160128"]] character(0)
[["COAD_RNASeq2Gene-20160128"]] A1BG A1CF A2BP1 A2LD1 ... ZZZ3 psiTPTE22 tAKR
[["COAD_RNASeq2GeneNorm_illumina-20160128"]] A1BG A1CF ... psiTPTE22 tAKR
...
<7 more elements>

> colnames( COAD )
CharacterList of length 17
[["COAD_CNASeq-20160128"]] TCGA-A6-2671-01A-01D-1405-02 ...
[["COAD_CNASNP-20160128"]] TCGA-3L-AA1B-01A-11D-A36W-01 ...
[["COAD_CNVSNP-20160128"]] TCGA-3L-AA1B-01A-11D-A36W-01 ...
[["COAD_GISTIC_AllByGene-20160128"]] TCGA-3L-AA1B-01A-11D-A36W-01 ...
[["COAD_GISTIC_Peaks-20160128"]] TCGA-3L-AA1B-01A-11D-A36W-01 ...
[["COAD_GISTIC_ThresholdedByGene-20160128"]] TCGA-3L-AA1B-01A-11D-A36W-01 ...
[["COAD_mRNAArray-20160128"]] TCGA-A6-2671-11A-01R-1758-07 ...
[["COAD_Mutation-20160128"]] TCGA-A6-2672-01A-01W-0833-10 ...
[["COAD_RNASeq2Gene-20160128"]] TCGA-3L-AA1B-01A-11R-A37K-07 ...
[["COAD_RNASeq2GeneNorm_illumina-20160128"]] TCGA-A6-2671-01A-01R-1410-07...
...
<7 more elements>

```

Sizes of each ExperimentList element:

		assay size.Mb
1	COAD_CNASeq-20160128	1.1 Mb
2	COAD_CNASNP-20160128	12.5 Mb
3	COAD_CNVSNP-20160128	2.7 Mb
4	COAD_GISTIC_AllByGene-20160128	88.5 Mb
5	COAD_GISTIC_Peaks-20160128	0.4 Mb
6	COAD_GISTIC_ThresholdedByGene-20160128	88.3 Mb
7	COAD_mRNAArray-20160128	25.6 Mb
8	COAD_Mutation-20160128	23.6 Mb
9	COAD_RNASeq2Gene-20160128	53.6 Mb
10	COAD_RNASeq2GeneNorm_illumina-20160128	32.5 Mb
11	COAD_RNASeq2GeneNorm_illumina-hiseq-20160128	53.6 Mb
12	COAD_RNASeqGene-20160128	4.1 Mb
13	COAD_RPPAArray-20160128	0.7 Mb
14	COAD_miRNASeqGene-20160128	1.3 Mb
15	COAD_RNASeq2GeneNorm-20160128	70.8 Mb
16	COAD_Methylation_methyl27-20160128	4.9 Mb
17	COAD_Methylation_methyl450-20160128	75 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

tumor_tissue_site:

```
colon NA's
456    1
```

```
date_of_initial_pathologic_diagnosis:
  Min. 1st Qu. Median      Mean 3rd Qu.      Max.
  1998   2007   2009   2008   2010   2013
```

```
radiation_therapy:
  no  yes NA's
378   9   70
```

```
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          asian
                                1          11
      black or african american          white
                                59         213
                                NA's
                                173
```

```
ethnicity:
  hispanic or latino not hispanic or latino      NA's
                                4          270          183
```

Including an additional 2604 columns

curatedTCGAData

Create a MultiAssayExperiment from specific assays and cohorts

Description

curatedTCGAData assembles data on-the-fly from ExperimentHub to provide cohesive [MultiAssayExperiment](#) container objects. All the user has to do is to provide TCGA disease code(s) and assay types. It is highly recommended to use the companion package TCGAutils, developed to work with TCGA data specifically from curatedTCGAData and some flat files.

Usage

```
curatedTCGAData(
  diseaseCode = "*",
  assays = "*",
  version,
  dry.run = TRUE,
  verbose = TRUE,
```

```
    ...  
  )
```

Arguments

diseaseCode	character() A vector of TCGA cancer cohort codes (e.g., COAD)
assays	character() A vector of TCGA assays, glob matches allowed; see below for more details
version	character(1) One of 1.1.38, 2.0.1, 2.1.0, or 2.1.1 indicating the data version to obtain from ExperimentHub. Version 2.1.1 includes various improvements as well as the addition of the RNASeq2Gene assay and subtype updates. See version section details.
dry.run	logical(1) Whether to return the dataset names before actual download (default TRUE)
verbose	logical(1) Whether to show the dataset currently being (down)loaded (default TRUE)
...	Additional arguments passed on to the ExperimentHub constructor

Details

This function will check against available resources in ExperimentHub. Only the latest runDate ("2016-01-28") is supported. Use the `dry.run = FALSE` to download remote datasets and build an integrative [MultiAssayExperiment](#) object. For a list of 'diseaseCodes', see the [curatedTCGAData-package](#) help page.

Value

a [MultiAssayExperiment](#) of the specified assays and cancer codes or informative data.frame of resources when `dry.run` is TRUE

Available Assays

Below is a list of partial ExperimentList assay names and their respective description. These assays can be entered as part of the assays argument in the main function. Partial glob matches are allowed such as: 'CN*' for "CNASeq", "CNASNP", "CNVSNP" assays. Credit: Ludwig G.

ExperimentList data types	Description

SummarizedExperiment*	
RNASeqGene	Gene expression values
RNASeq2Gene	RSEM TPM gene expression values
RNASeq2GeneNorm	Upper quartile log2 normalized RSEM TPM gene expression values
miRNAArray	Probe-level miRNA expression values
miRNASeqGene	Gene-level log2 RPM miRNA expression values
mRNAArray	Unified gene-level mRNA expression values
mRNAArray_huex	Gene-level mRNA expression values from Affymetrix Human Exon Array
mRNAArray_TX_g4502a	Gene-level mRNA expression values from Agilent 244K Array
mRNAArray_TX_ht_hg_u133a	Gene-level mRNA expression values from Affymetrix

	Human Genome U133 Array
GISTIC_AllByGene	Gene-level GISTIC2 copy number values
GISTIC_ThresholdedByGene	Gene-level GISTIC2 thresholded discrete copy number values
RPPAArray	Reverse Phase Protein Array normalized protein expression values
RangedSummarizedExperiment	
GISTIC_Peaks	GISTIC2 thresholded discrete copy number values in recurrent peak regions
SummarizedExperiment with HDF5Array DelayedMatrix	
Methylation_methyl27	Probe-level methylation beta values from Illumina HumanMethylation 27K BeadChip
Methylation_methyl450	Probe-level methylation beta values from Infinium HumanMethylation 450K BeadChip
RaggedExperiment	
CNASNP	Segmented somatic Copy Number Alteration calls from SNP array
CNVSNP	Segmented germline Copy Number Variant calls from SNP Array
CNASeq	Segmented somatic Copy Number Alteration calls from low pass DNA Sequencing
Mutation*	Somatic mutations calls
CNACGH_CGH_hg_244a	Segmented somatic Copy Number Alteration calls from CGH Agilent Microarray 244A
CNACGH_CGH_hg_415k_g4124a	Segmented somatic Copy Number Alteration calls from CGH Agilent Microarray 415K
* All can be converted to RangedSummarizedExperiment (except RPPAArray) with TCGAutils	

version

Version 2.1.1 provides a couple of corrections to the colData for ovarian cancer (OV) and skin cancer (SKCM). In these new data, the cancer subtype variables are fully available. One get obtain the mapping of columns to subtypes in the colData with the getSubtypeMap function in TCGAutils.

Version 2.1.0 provides gene-level log2 RPM miRNA expression values for miRNASeqGene data log2 normalized RSEM for RNASeq2GeneNorm assays. Previously, the data provided were read counts and normalized counts, respectively. See issue [#53 on GitHub](#) for additional details.

The new version 2.0.1 includes various improvements including an additional assay that provides RNASeq2Gene data as RSEM TPM gene expression values (issue #38). Additional changes include genomic information for RaggedExperiment type data objects where '37' is now 'GRCh37' as reported in issue #40. Datasets (e.g., OV, GBM) that contain multiple assays that could be merged are now provided as merged assays (issue #27). We corrected an issue where mRNAArray assays were returning DataFrames instead of matrix type data (issue #31). Version 1.1.38 provides the original run of curatedTCGAData and is provided due to legacy reasons.

See Also

curatedTCGAData-package

Examples

```
curatedTCGAData(
```

```
diseaseCode = c("GBM", "ACC"), assays = "CNASNP", version = "2.0.1"
)

curatedTCGAData("BRCA", "GISTIC*", "2.0.1")
```

DLBC

Lymphoid Neoplasm Diffuse Large B-cell Lymphoma

Description

A document describing the TCGA cancer code

Details

```
> experiments( DLBC )
ExperimentList class object of length 10:
 [1] DLBC_CNASNP-20160128: RaggedExperiment with 44725 rows and 94 columns
 [2] DLBC_CNVSNP-20160128: RaggedExperiment with 9343 rows and 94 columns
 [3] DLBC_GISTIC_AllByGene-20160128: SummarizedExperiment with 24776 rows and 48 columns
 [4] DLBC_GISTIC_Peaks-20160128: RangedSummarizedExperiment with 39 rows and 48 columns
 [5] DLBC_GISTIC_ThresholdedByGene-20160128: SummarizedExperiment with 24776 rows and 48 columns
 [6] DLBC_miRNASeqGene-20160128: SummarizedExperiment with 1046 rows and 47 columns
 [7] DLBC_Mutation-20160128: RaggedExperiment with 16918 rows and 48 columns
 [8] DLBC_RNASeq2GeneNorm-20160128: SummarizedExperiment with 20501 rows and 48 columns
 [9] DLBC_RPPAArray-20160128: SummarizedExperiment with 192 rows and 33 columns
[10] DLBC_Methylation-20160128: SummarizedExperiment with 485577 rows and 48 columns

> rownames( DLBC )
CharacterList of length 10
[["DLBC_CNASNP-20160128"]] character(0)
[["DLBC_CNVSNP-20160128"]] character(0)
[["DLBC_GISTIC_AllByGene-20160128"]] ACAP3 ... WASIR1|ENSG00000185203.7
[["DLBC_GISTIC_Peaks-20160128"]] chr1:1-48649489 ... chr22:41635693-51304566
[["DLBC_GISTIC_ThresholdedByGene-20160128"]] ACAP3 ...
[["DLBC_miRNASeqGene-20160128"]] hsa-let-7a-1 hsa-let-7a-2 ... hsa-mir-99b
[["DLBC_Mutation-20160128"]] character(0)
[["DLBC_RNASeq2GeneNorm-20160128"]] A1BG A1CF A2BP1 ... ZZZ3 psiTPTE22 tAKR
[["DLBC_RPPAArray-20160128"]] 14-3-3_beta ... p90RSK_pT359_S363
[["DLBC_Methylation-20160128"]] cg00000029 cg00000108 ... rs966367 rs9839873

> colnames( DLBC )
CharacterList of length 10
[["DLBC_CNASNP-20160128"]] TCGA-FA-8693-01A-11D-2389-01 ...
[["DLBC_CNVSNP-20160128"]] TCGA-FA-8693-01A-11D-2389-01 ...
[["DLBC_GISTIC_AllByGene-20160128"]] TCGA-FA-8693-01A-11D-2389-01 ...
[["DLBC_GISTIC_Peaks-20160128"]] TCGA-FA-8693-01A-11D-2389-01 ...
[["DLBC_GISTIC_ThresholdedByGene-20160128"]] TCGA-FA-8693-01A-11D-2389-01 ...
[["DLBC_miRNASeqGene-20160128"]] TCGA-FA-8693-01A-11R-2401-13 ...
[["DLBC_Mutation-20160128"]] TCGA-FA-8693-01A-11D-2397-10 ...
[["DLBC_RNASeq2GeneNorm-20160128"]] TCGA-FA-8693-01A-11R-2404-07 ...
```

```

[["DLBC_RPPAArray-20160128"]] TCGA-FA-8693-01A-21-A45K-20 ...
[["DLBC_Methylation-20160128"]] TCGA-FA-8693-01A-11D-2399-05 ...

```

Sizes of each ExperimentList element:

		assay	size.Mb
1	DLBC_CNASNP-20160128		1.2 Mb
2	DLBC_CNVSNP-20160128		0.3 Mb
3	DLBC_GISTIC_AllByGene-20160128		4.9 Mb
4	DLBC_GISTIC_Peaks-20160128		0 Mb
5	DLBC_GISTIC_ThresholdedByGene-20160128		4.9 Mb
6	DLBC_miRNASeqGene-20160128		0.1 Mb
7	DLBC_Mutation-20160128		12.6 Mb
8	DLBC_RNASeq2GeneNorm-20160128		1.3 Mb
9	DLBC_RPPAArray-20160128		0 Mb
10	DLBC_Methylation-20160128		75 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)	41
primary dlbcl of the cns	3
primary mediastinal (thymic) dlbcl	4

race:

asian black or african american	white
18	1
	29

ethnicity:

hispanic or latino	not hispanic or latino
12	36

Including an additional 607 columns

See Also

[DLBC-v2.0.1](#)

DLBC-v2.0.1

Lymphoid Neoplasm Diffuse Large B-cell Lymphoma

Description

A document describing the TCGA cancer code

Details

```
> experiments( DLBC )
```

ExperimentList class object of length 11:

```
[1] DLBC_CNASNP-20160128: RaggedExperiment with 44725 rows and 94 columns
[2] DLBC_CNVSNP-20160128: RaggedExperiment with 9343 rows and 94 columns
[3] DLBC_GISTIC_AllByGene-20160128: SummarizedExperiment with 24776 rows and 48 columns
[4] DLBC_GISTIC_Peaks-20160128: RangedSummarizedExperiment with 39 rows and 48 columns
[5] DLBC_GISTIC_ThresholdedByGene-20160128: SummarizedExperiment with 24776 rows and 48 columns
[6] DLBC_miRNASeqGene-20160128: SummarizedExperiment with 1046 rows and 47 columns
[7] DLBC_Mutation-20160128: RaggedExperiment with 16918 rows and 48 columns
[8] DLBC_RNASeq2Gene-20160128: SummarizedExperiment with 20501 rows and 48 columns
```

```
[9] DLBC_RNASeq2GeneNorm-20160128: SummarizedExperiment with 20501 rows and 48 columns
[10] DLBC_RPPAArray-20160128: SummarizedExperiment with 192 rows and 33 columns
[11] DLBC_Methylation-20160128: SummarizedExperiment with 485577 rows and 48 columns
```

```
> rownames( DLBC )
CharacterList of length 11
[["DLBC_CNASNP-20160128"]] character(0)
[["DLBC_CNVSNP-20160128"]] character(0)
[["DLBC_GISTIC_AllByGene-20160128"]] character(0)
[["DLBC_GISTIC_Peaks-20160128"]] 15 17 16 1 2 18 19 ... 36 37 12 38 39 13 40
[["DLBC_GISTIC_ThresholdedByGene-20160128"]] character(0)
[["DLBC_miRNASeqGene-20160128"]] hsa-let-7a-1 hsa-let-7a-2 ... hsa-mir-99b
[["DLBC_Mutation-20160128"]] character(0)
[["DLBC_RNASeq2Gene-20160128"]] A1BG A1CF A2BP1 A2LD1 ... ZZZ3 psiTPTE22 tAKR
[["DLBC_RNASeq2GeneNorm-20160128"]] A1BG A1CF A2BP1 ... ZZZ3 psiTPTE22 tAKR
[["DLBC_RPPAArray-20160128"]] 14-3-3_beta ... p90RSK_pT359_S363
...
<1 more element>
```

```
> colnames( DLBC )
CharacterList of length 11
[["DLBC_CNASNP-20160128"]] TCGA-FA-8693-01A-11D-2389-01 ...
[["DLBC_CNVSNP-20160128"]] TCGA-FA-8693-01A-11D-2389-01 ...
[["DLBC_GISTIC_AllByGene-20160128"]] TCGA-FA-8693-01A-11D-2389-01 ...
[["DLBC_GISTIC_Peaks-20160128"]] TCGA-FA-8693-01A-11D-2389-01 ...
[["DLBC_GISTIC_ThresholdedByGene-20160128"]] TCGA-FA-8693-01A-11D-2389-01 ...
[["DLBC_miRNASeqGene-20160128"]] TCGA-FA-8693-01A-11R-2401-13 ...
[["DLBC_Mutation-20160128"]] TCGA-FA-8693-01A-11D-2397-10 ...
[["DLBC_RNASeq2Gene-20160128"]] TCGA-FA-8693-01A-11R-2404-07 ...
[["DLBC_RNASeq2GeneNorm-20160128"]] TCGA-FA-8693-01A-11R-2404-07 ...
[["DLBC_RPPAArray-20160128"]] TCGA-FA-8693-01A-21-A45K-20 ...
...
<1 more element>
```

Sizes of each ExperimentList element:

		assay size.Mb
1	DLBC_CNASNP-20160128	1.2 Mb
2	DLBC_CNVSNP-20160128	0.3 Mb
3	DLBC_GISTIC_AllByGene-20160128	12.5 Mb
4	DLBC_GISTIC_Peaks-20160128	0.1 Mb
5	DLBC_GISTIC_ThresholdedByGene-20160128	12.4 Mb
6	DLBC_miRNASeqGene-20160128	0.5 Mb
7	DLBC_Mutation-20160128	12.6 Mb
8	DLBC_RNASeq2Gene-20160128	10.1 Mb
9	DLBC_RNASeq2GeneNorm-20160128	10.1 Mb
10	DLBC_RPPAArray-20160128	0.1 Mb
11	DLBC_Methylation-20160128	75 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)	41
primary dlbcl of the cns	3
primary mediastinal (thymic) dlbcl	4

race:

asian black or african american	white
---------------------------------	-------

18

1

29

ethnicity:

hispanic or latino not hispanic or latino

12

36

Including an additional 607 columns

DLBC-v2.1.0

*Lymphoid Neoplasm Diffuse Large B-cell Lymphoma***Description**

A document describing the TCGA cancer code

Details

```

> experiments( DLBC )
ExperimentList class object of length 11:
 [1] DLBC_CNASNP-20160128: RaggedExperiment with 44725 rows and 94 columns
 [2] DLBC_CNVSNP-20160128: RaggedExperiment with 9343 rows and 94 columns
 [3] DLBC_GISTIC_AllByGene-20160128: SummarizedExperiment with 24776 rows and 48 columns
 [4] DLBC_GISTIC_Peaks-20160128: RangedSummarizedExperiment with 39 rows and 48 columns
 [5] DLBC_GISTIC_ThresholdedByGene-20160128: SummarizedExperiment with 24776 rows and 48 columns
 [6] DLBC_Mutation-20160128: RaggedExperiment with 16918 rows and 48 columns
 [7] DLBC_RNASeq2Gene-20160128: SummarizedExperiment with 20501 rows and 48 columns
 [8] DLBC_RPPAArray-20160128: SummarizedExperiment with 192 rows and 33 columns
 [9] DLBC_miRNASeqGene-20160128: SummarizedExperiment with 1046 rows and 47 columns
[10] DLBC_RNASeq2GeneNorm-20160128: SummarizedExperiment with 17665 rows and 48 columns
[11] DLBC_Methylation-20160128: SummarizedExperiment with 485577 rows and 48 columns

> rownames( DLBC )
CharacterList of length 11
[["DLBC_CNASNP-20160128"]] character(0)
[["DLBC_CNVSNP-20160128"]] character(0)
[["DLBC_GISTIC_AllByGene-20160128"]] character(0)
[["DLBC_GISTIC_Peaks-20160128"]] 15 17 16 1 2 18 19 ... 36 37 12 38 39 13 40
[["DLBC_GISTIC_ThresholdedByGene-20160128"]] character(0)
[["DLBC_Mutation-20160128"]] character(0)
[["DLBC_RNASeq2Gene-20160128"]] A1BG A1CF A2BP1 A2LD1 ... ZZZ3 psiTPTE22 tAKR
[["DLBC_RPPAArray-20160128"]] 14-3-3_beta ... p90RSK_pT359_S363
[["DLBC_miRNASeqGene-20160128"]] hsa-let-7a-1 hsa-let-7a-2 ... hsa-mir-99b
[["DLBC_RNASeq2GeneNorm-20160128"]] A1BG A2LD1 A2ML1 ... ZZE1 ZZZ3 psiTPTE22
...
<1 more element>

> colnames( DLBC )
CharacterList of length 11
[["DLBC_CNASNP-20160128"]] TCGA-FA-8693-01A-11D-2389-01 ...
[["DLBC_CNVSNP-20160128"]] TCGA-FA-8693-01A-11D-2389-01 ...
[["DLBC_GISTIC_AllByGene-20160128"]] TCGA-FA-8693-01A-11D-2389-01 ...

```

```

[["DLBC_GISTIC_Peaks-20160128"]] TCGA-FA-8693-01A-11D-2389-01 ...
[["DLBC_GISTIC_ThresholdedByGene-20160128"]] TCGA-FA-8693-01A-11D-2389-01 ...
[["DLBC_Mutation-20160128"]] TCGA-FA-8693-01A-11D-2397-10 ...
[["DLBC_RNASeq2Gene-20160128"]] TCGA-FA-8693-01A-11R-2404-07 ...
[["DLBC_RPPAArray-20160128"]] TCGA-FA-8693-01A-21-A45K-20 ...
[["DLBC_miRNASeqGene-20160128"]] TCGA-FA-8693-01A-11R-2401-13 ...
[["DLBC_RNASeq2GeneNorm-20160128"]] TCGA-FA-8693-01 ... TCGA-VB-A8QN-01
...
<1 more element>

```

Sizes of each ExperimentList element:

		assay size.Mb
1	DLBC_CNASNP-20160128	1.2 Mb
2	DLBC_CNVSNP-20160128	0.3 Mb
3	DLBC_GISTIC_AllByGene-20160128	12.5 Mb
4	DLBC_GISTIC_Peaks-20160128	0.1 Mb
5	DLBC_GISTIC_ThresholdedByGene-20160128	12.4 Mb
6	DLBC_Mutation-20160128	12.6 Mb
7	DLBC_RNASeq2Gene-20160128	10.1 Mb
8	DLBC_RPPAArray-20160128	0.1 Mb
9	DLBC_miRNASeqGene-20160128	0.5 Mb
10	DLBC_RNASeq2GeneNorm-20160128	8.7 Mb
11	DLBC_Methylation-20160128	75 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
[1,] 9      9  1.63  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)
                                                                                     41
                                                                 primary dlbcl of the cns
                                                                                     3
                                                                 primary mediastinal (thymic) dlbcl
                                                                                     4

race:
                                asian black or african american                                white
                                18                                1                                29

ethnicity:
  hispanic or latino not hispanic or latino
                                12                                36

Including an additional 607 columns

```

ESCA

Esophageal carcinoma

Description

A document describing the TCGA cancer code

Details

```

> experiments( ESCA )
ExperimentList class object of length 12:
[1] ESCA_CNASeq-20160128: RaggedExperiment with 17059 rows and 104 columns
[2] ESCA_CNASNP-20160128: RaggedExperiment with 203186 rows and 373 columns
[3] ESCA_CNVSNP-20160128: RaggedExperiment with 60803 rows and 373 columns
[4] ESCA_GISTIC_AllByGene-20160128: SummarizedExperiment with 24776 rows and 184 columns

```

```

[5] ESCA_GISTIC_Peaks-20160128: RangedSummarizedExperiment with 77 rows and 184 columns
[6] ESCA_GISTIC_ThresholdedByGene-20160128: SummarizedExperiment with 24776 rows and 184 columns
[7] ESCA_miRNASeqGene-20160128: SummarizedExperiment with 1046 rows and 198 columns
[8] ESCA_Mutation-20160128: RaggedExperiment with 58602 rows and 185 columns
[9] ESCA_RNASeq2GeneNorm-20160128: SummarizedExperiment with 20501 rows and 196 columns
[10] ESCA_RNASeqGene-20160128: SummarizedExperiment with 26120 rows and 198 columns
[11] ESCA_RPPAArray-20160128: SummarizedExperiment with 192 rows and 126 columns
[12] ESCA_Methylation-20160128: SummarizedExperiment with 485577 rows and 202 columns

```

```

> rownames( ESCA )
CharacterList of length 12
[["ESCA_CNASeq-20160128"]] character(0)
[["ESCA_CNASNP-20160128"]] character(0)
[["ESCA_CNVSNP-20160128"]] character(0)
[["ESCA_GISTIC_AllByGene-20160128"]] ACAP3 ... WASIR1|ENSG00000185203.7
[["ESCA_GISTIC_Peaks-20160128"]] chr1:23960869-31653987 ... chr22:1-18218209
[["ESCA_GISTIC_ThresholdedByGene-20160128"]] ACAP3 ...
[["ESCA_miRNASeqGene-20160128"]] hsa-let-7a-1 hsa-let-7a-2 ... hsa-mir-99b
[["ESCA_Mutation-20160128"]] character(0)
[["ESCA_RNASeq2GeneNorm-20160128"]] A1BG A1CF A2BP1 ... ZZZ3 psiTPTE22 tAKR
[["ESCA_RNASeqGene-20160128"]] AADACL3 AADACL4 AB007962 ... VCY XKRY ZFY
...
<2 more elements>

```

```

> colnames( ESCA )
CharacterList of length 12
[["ESCA_CNASeq-20160128"]] TCGA-IG-A3I8-01A-11D-A248-26 ...
[["ESCA_CNASNP-20160128"]] TCGA-2H-A9GF-01A-11D-A37B-01 ...
[["ESCA_CNVSNP-20160128"]] TCGA-2H-A9GF-01A-11D-A37B-01 ...
[["ESCA_GISTIC_AllByGene-20160128"]] TCGA-2H-A9GF-01A-11D-A37B-01 ...
[["ESCA_GISTIC_Peaks-20160128"]] TCGA-2H-A9GF-01A-11D-A37B-01 ...
[["ESCA_GISTIC_ThresholdedByGene-20160128"]] TCGA-2H-A9GF-01A-11D-A37B-01 ...
[["ESCA_miRNASeqGene-20160128"]] TCGA-2H-A9GF-01A-11R-A37J-13 ...
[["ESCA_Mutation-20160128"]] TCGA-2H-A9GF-01A-11D-A37C-09 ...
[["ESCA_RNASeq2GeneNorm-20160128"]] TCGA-2H-A9GF-01A-11R-A37I-31 ...
[["ESCA_RNASeqGene-20160128"]] TCGA-2H-A9GF-01A-11R-A37I-31 ...
...
<2 more elements>

```

Sizes of each ExperimentList element:

		assay size.Mb
1	ESCA_CNASeq-20160128	0.5 Mb
2	ESCA_CNASNP-20160128	5.5 Mb
3	ESCA_CNVSNP-20160128	1.7 Mb
4	ESCA_GISTIC_AllByGene-20160128	4.9 Mb
5	ESCA_GISTIC_Peaks-20160128	0.1 Mb
6	ESCA_GISTIC_ThresholdedByGene-20160128	4.9 Mb
7	ESCA_miRNASeqGene-20160128	0.1 Mb
8	ESCA_Mutation-20160128	45 Mb
9	ESCA_RNASeq2GeneNorm-20160128	1.3 Mb
10	ESCA_RNASeqGene-20160128	1.7 Mb

```

11          ESCA_RPPAArray-20160128      0 Mb
12          ESCA_Methylation-20160128    75 Mb

```

```

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

```

```

Call: survfit(formula = survival::Surv(colDat$days_to_death/365, colDat$vital_status) ~
-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
                                46                                5
                                NA's
                                20
                                white
                                114

ethnicity:
  hispanic or latino not hispanic or latino    NA's
                                6                                88
                                91

```

Including an additional 940 columns

See Also

[ESCA-v2.0.1](#)

ESCA-v2.0.1

Esophageal carcinoma

Description

A document describing the TCGA cancer code


```

3          ESCA_CNVSNP-20160128  1.7 Mb
4      ESCA_GISTIC_AllByGene-20160128 38.3 Mb
5          ESCA_GISTIC_Peaks-20160128  0.2 Mb
6  ESCA_GISTIC_ThresholdedByGene-20160128 38.1 Mb
7          ESCA_miRNASeqGene-20160128  1.8 Mb
8          ESCA_Mutation-20160128    45 Mb
9          ESCA_RNASeq2Gene-20160128 33.2 Mb
10         ESCA_RNASeq2GeneNorm-20160128 33.2 Mb
11         ESCA_RNASeqGene-20160128 42.8 Mb
12         ESCA_RPPAArray-20160128  0.2 Mb
13         ESCA_Methylation-20160128   75 Mb

```

```

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

```

```

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

Including an additional 940 columns

Description

A document describing the TCGA cancer code

Details

```
> experiments( ESCA )
ExperimentList class object of length 13:
 [1] ESCA_CNASeq-20160128: RaggedExperiment with 17059 rows and 104 columns
 [2] ESCA_CNASNP-20160128: RaggedExperiment with 203186 rows and 373 columns
 [3] ESCA_CNVSNP-20160128: RaggedExperiment with 60803 rows and 373 columns
 [4] ESCA_GISTIC_AllByGene-20160128: SummarizedExperiment with 24776 rows and 184 columns
 [5] ESCA_GISTIC_Peaks-20160128: RangedSummarizedExperiment with 77 rows and 184 columns
 [6] ESCA_GISTIC_ThresholdedByGene-20160128: SummarizedExperiment with 24776 rows and 184 columns
 [7] ESCA_Mutation-20160128: RaggedExperiment with 58602 rows and 185 columns
 [8] ESCA_RNASeq2Gene-20160128: SummarizedExperiment with 20501 rows and 196 columns
 [9] ESCA_RNASeqGene-20160128: SummarizedExperiment with 26120 rows and 198 columns
[10] ESCA_RPPAArray-20160128: SummarizedExperiment with 192 rows and 126 columns
[11] ESCA_miRNASeqGene-20160128: SummarizedExperiment with 1046 rows and 198 columns
[12] ESCA_RNASeq2GeneNorm-20160128: SummarizedExperiment with 18730 rows and 196 columns
[13] ESCA_Methylation-20160128: SummarizedExperiment with 485577 rows and 202 columns

> rownames( ESCA )
CharacterList of length 13
[["ESCA_CNASeq-20160128"]] character(0)
[["ESCA_CNASNP-20160128"]] character(0)
[["ESCA_CNVSNP-20160128"]] character(0)
[["ESCA_GISTIC_AllByGene-20160128"]] character(0)
[["ESCA_GISTIC_Peaks-20160128"]] 31 1 32 2 3 33 4 34 ... 73 74 29 75 76 77 78
[["ESCA_GISTIC_ThresholdedByGene-20160128"]] character(0)
[["ESCA_Mutation-20160128"]] character(0)
[["ESCA_RNASeq2Gene-20160128"]] A1BG A1CF A2BP1 A2LD1 ... ZZZ3 psiTPTE22 tAKR
[["ESCA_RNASeqGene-20160128"]] AADACL3 AADACL4 AB007962 ... VCY XKRY ZFY
[["ESCA_RPPAArray-20160128"]] 14-3-3_beta ... p90RSK_pT359_S363
...
<3 more elements>

> colnames( ESCA )
CharacterList of length 13
[["ESCA_CNASeq-20160128"]] TCGA-IG-A3I8-01A-11D-A248-26 ...
[["ESCA_CNASNP-20160128"]] TCGA-2H-A9GF-01A-11D-A37B-01 ...
[["ESCA_CNVSNP-20160128"]] TCGA-2H-A9GF-01A-11D-A37B-01 ...
[["ESCA_GISTIC_AllByGene-20160128"]] TCGA-2H-A9GF-01A-11D-A37B-01 ...
[["ESCA_GISTIC_Peaks-20160128"]] TCGA-2H-A9GF-01A-11D-A37B-01 ...
[["ESCA_GISTIC_ThresholdedByGene-20160128"]] TCGA-2H-A9GF-01A-11D-A37B-01 ...
[["ESCA_Mutation-20160128"]] TCGA-2H-A9GF-01A-11D-A37C-09 ...
[["ESCA_RNASeq2Gene-20160128"]] TCGA-2H-A9GF-01A-11R-A37I-31 ...
[["ESCA_RNASeqGene-20160128"]] TCGA-2H-A9GF-01A-11R-A37I-31 ...
[["ESCA_RPPAArray-20160128"]] TCGA-2H-A9GF-01A-21-A41Y-20 ...
...
<3 more elements>
```

Sizes of each ExperimentList element:

		assay	size.Mb
1		ESCA_CNASeq-20160128	0.5 Mb
2		ESCA_CNASNP-20160128	5.5 Mb
3		ESCA_CNVSNP-20160128	1.7 Mb
4	ESCA_GISTIC_AllByGene-20160128		38.3 Mb
5	ESCA_GISTIC_Peaks-20160128		0.2 Mb
6	ESCA_GISTIC_ThresholdedByGene-20160128		38.1 Mb
7	ESCA_Mutation-20160128		45 Mb
8	ESCA_RNASeq2Gene-20160128		33.2 Mb
9	ESCA_RNASeqGene-20160128		42.8 Mb
10	ESCA_RPPAArray-20160128		0.2 Mb
11	ESCA_miRNASeqGene-20160128		1.8 Mb
12	ESCA_RNASeq2GeneNorm-20160128		30.4 Mb
13	ESCA_Methylation-20160128		75 Mb

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

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

108 observations deleted due to missingness
n events median 0.95LCL 0.95UCL
[1,] 77 77 0.962 0.677 1.35

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

Including an additional 940 columns

GBM

*Glioblastoma multiforme***Description**

A document describing the TCGA cancer code

Details

```
> experiments( GBM )
ExperimentList class object of length 18:
[1] GBM_CNACGH_CGH_hg_244a-20160128: RaggedExperiment with 81512 rows and 438 columns
[2] GBM_CNACGH_CGH_hg_415k_g4124a-20160128: RaggedExperiment with 57975 rows and 338 columns
[3] GBM_CNASNP-20160128: RaggedExperiment with 602338 rows and 1104 columns
[4] GBM_CNVSNP-20160128: RaggedExperiment with 146852 rows and 1104 columns
[5] GBM_GISTIC_AllByGene-20160128: SummarizedExperiment with 24776 rows and 577 columns
[6] GBM_GISTIC_Peaks-20160128: RangedSummarizedExperiment with 68 rows and 577 columns
[7] GBM_GISTIC_ThresholdedByGene-20160128: SummarizedExperiment with 24776 rows and 577 columns
[8] GBM_miRNAArray-20160128: SummarizedExperiment with 534 rows and 565 columns
[9] GBM_miRNASeqGene-20160128: SummarizedExperiment with 1046 rows and 0 columns
[10] GBM_mRNAArray_huex-20160128: SummarizedExperiment with 18632 rows and 431 columns
[11] GBM_mRNAArray_TX_g4502a_1-20160128: SummarizedExperiment with 17814 rows and 401 columns
[12] GBM_mRNAArray_TX_g4502a-20160128: SummarizedExperiment with 17814 rows and 101 columns
[13] GBM_mRNAArray_TX_ht_hg_u133a-20160128: SummarizedExperiment with 12042 rows and 528 columns
[14] GBM_Mutation-20160128: RaggedExperiment with 22073 rows and 290 columns
[15] GBM_RNASeq2GeneNorm-20160128: SummarizedExperiment with 20501 rows and 166 columns
[16] GBM_RPPAArray-20160128: SummarizedExperiment with 208 rows and 244 columns
[17] GBM_Methylation_methyl27-20160128: SummarizedExperiment with 27578 rows and 285 columns
[18] GBM_Methylation_methyl450-20160128: SummarizedExperiment with 485577 rows and 154 columns

> rownames( GBM )
CharacterList of length 18
[["GBM_CNACGH_CGH_hg_244a-20160128"]] character(0)
[["GBM_CNACGH_CGH_hg_415k_g4124a-20160128"]] character(0)
[["GBM_CNASNP-20160128"]] character(0)
[["GBM_CNVSNP-20160128"]] character(0)
[["GBM_GISTIC_AllByGene-20160128"]] ACAP3 ACTRT2 ... WASIR1|ENSG00000185203.7
[["GBM_GISTIC_Peaks-20160128"]] chr1:3394251-6475685 ...
[["GBM_GISTIC_ThresholdedByGene-20160128"]] ACAP3 ...
[["GBM_miRNAArray-20160128"]] ebv-miR-BART1-3p ... kshv-miR-K12-9*
[["GBM_miRNASeqGene-20160128"]] hsa-let-7a-1 hsa-let-7a-2 ... hsa-mir-99b
[["GBM_mRNAArray_huex-20160128"]] C9orf152 ELM02 RPS11 ... SLC39A6 CTSC AQP7
...
<8 more elements>

> colnames( GBM )
CharacterList of length 18
[["GBM_CNACGH_CGH_hg_244a-20160128"]] TCGA-02-0001-01C-01D-0185-02 ...
[["GBM_CNACGH_CGH_hg_415k_g4124a-20160128"]] TCGA-02-2466-01A-01D-0787-02 ...
[["GBM_CNASNP-20160128"]] TCGA-02-0001-01C-01D-0182-01 ...
[["GBM_CNVSNP-20160128"]] TCGA-02-0001-01C-01D-0182-01 ...
```

```

[["GBM_GISTIC_AllByGene-20160128"]] TCGA-02-0001-01C-01D-0182-01 ...
[["GBM_GISTIC_Peaks-20160128"]] TCGA-02-0001-01C-01D-0182-01 ...
[["GBM_GISTIC_ThresholdedByGene-20160128"]] TCGA-02-0001-01C-01D-0182-01 ...
[["GBM_miRNAArray-20160128"]] TCGA-02-0001-01C-01T-0179-07 ...
[["GBM_miRNASeqGene-20160128"]] character(0)
[["GBM_mRNAArray_huex-20160128"]] TCGA-02-0001-01C-01R-0178-03 ...
...
<8 more elements>

```

Sizes of each ExperimentList element:

		assay size.Mb
1	GBM_CNACGH_CGH_hg_244a-20160128	2.3 Mb
2	GBM_CNACGH_CGH_hg_415k_g4124a-20160128	1.7 Mb
3	GBM_CNASNP-20160128	16.4 Mb
4	GBM_CNVSNP-20160128	4.2 Mb
5	GBM_GISTIC_AllByGene-20160128	4.9 Mb
6	GBM_GISTIC_Peaks-20160128	0.1 Mb
7	GBM_GISTIC_ThresholdedByGene-20160128	4.9 Mb
8	GBM_miRNAArray-20160128	0.1 Mb
9	GBM_miRNASeqGene-20160128	0.1 Mb
10	GBM_mRNAArray_huex-20160128	1.2 Mb
11	GBM_mRNAArray_TX_g4502a_1-20160128	1.1 Mb
12	GBM_mRNAArray_TX_g4502a-20160128	1.1 Mb
13	GBM_mRNAArray_TX_ht_hg_u133a-20160128	0.8 Mb
14	GBM_Mutation-20160128	31 Mb
15	GBM_RNASeq2GeneNorm-20160128	1.3 Mb
16	GBM_RPPAArray-20160128	0 Mb
17	GBM_Methylation_methyl27-20160128	4.9 Mb
18	GBM_Methylation_methyl450-20160128	75 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

```

Including an additional 4368 columns

See Also

[GBM-v2.0.1](#)

GBM-v2.0.1

*Glioblastoma multiforme***Description**

A document describing the TCGA cancer code

Details

```
> experiments( GBM )
ExperimentList class object of length 18:
[1] GBM_CNACGH_CGH_hg_244a-20160128: RaggedExperiment with 81512 rows and 438 columns
[2] GBM_CNACGH_CGH_hg_415k_g4124a-20160128: RaggedExperiment with 57975 rows and 338 columns
[3] GBM_CNASNP-20160128: RaggedExperiment with 602338 rows and 1104 columns
[4] GBM_CNVSNP-20160128: RaggedExperiment with 146852 rows and 1104 columns
[5] GBM_GISTIC_AllByGene-20160128: SummarizedExperiment with 24776 rows and 577 columns
[6] GBM_GISTIC_Peaks-20160128: RangedSummarizedExperiment with 68 rows and 577 columns
[7] GBM_GISTIC_ThresholdedByGene-20160128: SummarizedExperiment with 24776 rows and 577 columns
[8] GBM_miRNAArray-20160128: SummarizedExperiment with 534 rows and 565 columns
[9] GBM_miRNASeqGene-20160128: SummarizedExperiment with 1046 rows and 0 columns
[10] GBM_mRNAArray_huex-20160128: SummarizedExperiment with 18632 rows and 431 columns
[11] GBM_mRNAArray_TX_g4502a-20160128: SummarizedExperiment with 17814 rows and 502 columns
[12] GBM_mRNAArray_TX_ht_hg_u133a-20160128: SummarizedExperiment with 12042 rows and 528 columns
[13] GBM_Mutation-20160128: RaggedExperiment with 22073 rows and 290 columns
[14] GBM_RNASeq2Gene-20160128: SummarizedExperiment with 20501 rows and 166 columns
[15] GBM_RNASeq2GeneNorm-20160128: SummarizedExperiment with 20501 rows and 166 columns
[16] GBM_RPPAArray-20160128: SummarizedExperiment with 208 rows and 244 columns
[17] GBM_Methylation_methyl27-20160128: SummarizedExperiment with 27578 rows and 285 columns
[18] GBM_Methylation_methyl450-20160128: SummarizedExperiment with 485577 rows and 154 columns

> rownames( GBM )
CharacterList of length 18
[["GBM_CNACGH_CGH_hg_244a-20160128"]] character(0)
[["GBM_CNACGH_CGH_hg_415k_g4124a-20160128"]] character(0)
[["GBM_CNASNP-20160128"]] character(0)
[["GBM_CNVSNP-20160128"]] character(0)
[["GBM_GISTIC_AllByGene-20160128"]] character(0)
[["GBM_GISTIC_Peaks-20160128"]] 25 26 1 27 28 2 29 3 ... 65 22 23 66 67 24 68
[["GBM_GISTIC_ThresholdedByGene-20160128"]] character(0)
[["GBM_miRNAArray-20160128"]] ebv-miR-BART1-3p ... kshv-miR-K12-9*
[["GBM_miRNASeqGene-20160128"]] hsa-let-7a-1 hsa-let-7a-2 ... hsa-mir-99b
[["GBM_mRNAArray_huex-20160128"]] C9orf152 ELM02 RPS11 ... SLC39A6 CTSC AQP7
...
<8 more elements>

> colnames( GBM )
CharacterList of length 18
[["GBM_CNACGH_CGH_hg_244a-20160128"]] TCGA-02-0001-01C-01D-0185-02 ...
[["GBM_CNACGH_CGH_hg_415k_g4124a-20160128"]] TCGA-02-2466-01A-01D-0787-02 ...
[["GBM_CNASNP-20160128"]] TCGA-02-0001-01C-01D-0182-01 ...
[["GBM_CNVSNP-20160128"]] TCGA-02-0001-01C-01D-0182-01 ...
```

```

[["GBM_GISTIC_AllByGene-20160128"]] TCGA-02-0001-01C-01D-0182-01 ...
[["GBM_GISTIC_Peaks-20160128"]] TCGA-02-0001-01C-01D-0182-01 ...
[["GBM_GISTIC_ThresholdedByGene-20160128"]] TCGA-02-0001-01C-01D-0182-01 ...
[["GBM_miRNAArray-20160128"]] TCGA-02-0001-01C-01T-0179-07 ...
[["GBM_miRNASeqGene-20160128"]] character(0)
[["GBM_mRNAArray_huex-20160128"]] TCGA-02-0001-01C-01R-0178-03 ...
...
<8 more elements>

```

Sizes of each ExperimentList element:

	assay	size.Mb
1	GBM_CNACGH_CGH_hg_244a-20160128	2.3 Mb
2	GBM_CNACGH_CGH_hg_415k_g4124a-20160128	1.7 Mb
3	GBM_CNASNP-20160128	16.4 Mb
4	GBM_CNVSNP-20160128	4.2 Mb
5	GBM_GISTIC_AllByGene-20160128	112.7 Mb
6	GBM_GISTIC_Peaks-20160128	0.5 Mb
7	GBM_GISTIC_ThresholdedByGene-20160128	112.5 Mb
8	GBM_miRNAArray-20160128	2.5 Mb
9	GBM_miRNASeqGene-20160128	0.2 Mb
10	GBM_mRNAArray_huex-20160128	63.7 Mb
11	GBM_mRNAArray_TX_g4502a-20160128	70.5 Mb
12	GBM_mRNAArray_TX_ht_hg_u133a-20160128	50.1 Mb
13	GBM_Mutation-20160128	31 Mb
14	GBM_RNASeq2Gene-20160128	28.5 Mb
15	GBM_RNASeq2GeneNorm-20160128	28.5 Mb
16	GBM_RPPAArray-20160128	0.5 Mb
17	GBM_Methylation_methyl27-20160128	4.9 Mb
18	GBM_Methylation_methyl450-20160128	75 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

```

Including an additional 4368 columns

Description

A document describing the TCGA cancer code

Details

```
> experiments( GBM )
ExperimentList class object of length 18:
[1] GBM_CNACGH_CGH_hg_244a-20160128: RaggedExperiment with 81512 rows and 438 columns
[2] GBM_CNACGH_CGH_hg_415k_g4124a-20160128: RaggedExperiment with 57975 rows and 338 columns
[3] GBM_CNASNP-20160128: RaggedExperiment with 602338 rows and 1104 columns
[4] GBM_CNVSNP-20160128: RaggedExperiment with 146852 rows and 1104 columns
[5] GBM_GISTIC_AllByGene-20160128: SummarizedExperiment with 24776 rows and 577 columns
[6] GBM_GISTIC_Peaks-20160128: RangedSummarizedExperiment with 68 rows and 577 columns
[7] GBM_GISTIC_ThresholdedByGene-20160128: SummarizedExperiment with 24776 rows and 577 columns
[8] GBM_miRNAArray-20160128: SummarizedExperiment with 534 rows and 565 columns
[9] GBM_mRNAArray_huex-20160128: SummarizedExperiment with 18632 rows and 431 columns
[10] GBM_mRNAArray_TX_g4502a-20160128: SummarizedExperiment with 17814 rows and 502 columns
[11] GBM_mRNAArray_TX_ht_hg_u133a-20160128: SummarizedExperiment with 12042 rows and 528 columns
[12] GBM_Mutation-20160128: RaggedExperiment with 22073 rows and 290 columns
[13] GBM_RNASeq2Gene-20160128: SummarizedExperiment with 20501 rows and 166 columns
[14] GBM_RPPAArray-20160128: SummarizedExperiment with 208 rows and 244 columns
[15] GBM_miRNASeqGene-20160128: SummarizedExperiment with 1046 rows and 0 columns
[16] GBM_RNASeq2GeneNorm-20160128: SummarizedExperiment with 18199 rows and 166 columns
[17] GBM_Methylation_methyl27-20160128: SummarizedExperiment with 27578 rows and 285 columns
[18] GBM_Methylation_methyl450-20160128: SummarizedExperiment with 485577 rows and 154 columns

> rownames( GBM )
CharacterList of length 18
[["GBM_CNACGH_CGH_hg_244a-20160128"]] character(0)
[["GBM_CNACGH_CGH_hg_415k_g4124a-20160128"]] character(0)
[["GBM_CNASNP-20160128"]] character(0)
[["GBM_CNVSNP-20160128"]] character(0)
[["GBM_GISTIC_AllByGene-20160128"]] character(0)
[["GBM_GISTIC_Peaks-20160128"]] 25 26 1 27 28 2 29 3 ... 65 22 23 66 67 24 68
[["GBM_GISTIC_ThresholdedByGene-20160128"]] character(0)
[["GBM_miRNAArray-20160128"]] ebv-miR-BART1-3p ... kshv-miR-K12-9*
[["GBM_mRNAArray_huex-20160128"]] C9orf152 ELM02 RPS11 ... SLC39A6 CTSC AQP7
[["GBM_mRNAArray_TX_g4502a-20160128"]] 15E1.2 2'-PDE ... tcag7.23 tcag7.350
...
<8 more elements>

> colnames( GBM )
CharacterList of length 18
[["GBM_CNACGH_CGH_hg_244a-20160128"]] TCGA-02-0001-01C-01D-0185-02 ...
[["GBM_CNACGH_CGH_hg_415k_g4124a-20160128"]] TCGA-02-2466-01A-01D-0787-02 ...
[["GBM_CNASNP-20160128"]] TCGA-02-0001-01C-01D-0182-01 ...
[["GBM_CNVSNP-20160128"]] TCGA-02-0001-01C-01D-0182-01 ...
[["GBM_GISTIC_AllByGene-20160128"]] TCGA-02-0001-01C-01D-0182-01 ...
[["GBM_GISTIC_Peaks-20160128"]] TCGA-02-0001-01C-01D-0182-01 ...
[["GBM_GISTIC_ThresholdedByGene-20160128"]] TCGA-02-0001-01C-01D-0182-01 ...
[["GBM_miRNAArray-20160128"]] TCGA-02-0001-01C-01T-0179-07 ...
[["GBM_mRNAArray_huex-20160128"]] TCGA-02-0001-01C-01R-0178-03 ...
```

```
[[ "GBM_mRNAArray_TX_g4502a-20160128" ]] TCGA-02-0001-01C-01R-0179-07 ...
...
<8 more elements>
```

Sizes of each ExperimentList element:

	assay	size.Mb
1	GBM_CNACGH_CGH_hg_244a-20160128	2.3 Mb
2	GBM_CNACGH_CGH_hg_415k_g4124a-20160128	1.7 Mb
3	GBM_CNASNP-20160128	16.4 Mb
4	GBM_CNVSNP-20160128	4.2 Mb
5	GBM_GISTIC_AllByGene-20160128	112.7 Mb
6	GBM_GISTIC_Peaks-20160128	0.5 Mb
7	GBM_GISTIC_ThresholdedByGene-20160128	112.5 Mb
8	GBM_miRNAArray-20160128	2.5 Mb
9	GBM_mRNAArray_huex-20160128	63.7 Mb
10	GBM_mRNAArray_TX_g4502a-20160128	70.5 Mb
11	GBM_mRNAArray_TX_ht_hg_u133a-20160128	50.1 Mb
12	GBM_Mutation-20160128	31 Mb
13	GBM_RNASeq2Gene-20160128	28.5 Mb
14	GBM_RPPAArray-20160128	0.5 Mb
15	GBM_miRNASeqGene-20160128	0.2 Mb
16	GBM_RNASeq2GeneNorm-20160128	25.3 Mb
17	GBM_Methylation_methyl27-20160128	4.9 Mb
18	GBM_Methylation_methyl450-20160128	75 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
[1,] 490    490   1.05   0.981   1.16
```

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

Including an additional 4368 columns

```

HNSC

*Head and Neck squamous cell carcinoma***Description**

A document describing the TCGA cancer code

Details

```

> experiments( HNSC )
ExperimentList class object of length 12:
 [1] HNSC_CNASeq-20160128: RaggedExperiment with 32905 rows and 225 columns
 [2] HNSC_CNASNP-20160128: RaggedExperiment with 499142 rows and 1090 columns
 [3] HNSC_CNVSNP-20160128: RaggedExperiment with 110289 rows and 1089 columns
 [4] HNSC_GISTIC_AllByGene-20160128: SummarizedExperiment with 24776 rows and 522 columns
 [5] HNSC_GISTIC_Peaks-20160128: RangedSummarizedExperiment with 72 rows and 522 columns
 [6] HNSC_GISTIC_ThresholdedByGene-20160128: SummarizedExperiment with 24776 rows and 522 columns
 [7] HNSC_miRNASeqGene-20160128: SummarizedExperiment with 1046 rows and 532 columns
 [8] HNSC_Mutation-20160128: RaggedExperiment with 51799 rows and 279 columns
 [9] HNSC_RNASeq2GeneNorm-20160128: SummarizedExperiment with 20501 rows and 566 columns
[10] HNSC_RNASeqGene-20160128: SummarizedExperiment with 20502 rows and 294 columns
[11] HNSC_RPPAArray-20160128: SummarizedExperiment with 160 rows and 212 columns
[12] HNSC_Methylation-20160128: SummarizedExperiment with 485577 rows and 580 columns

> rownames( HNSC )
CharacterList of length 12
[["HNSC_CNASeq-20160128"]] character(0)
[["HNSC_CNASNP-20160128"]] character(0)
[["HNSC_CNVSNP-20160128"]] character(0)
[["HNSC_GISTIC_AllByGene-20160128"]] ACAP3 ... WASIR1|ENSG00000185203.7
[["HNSC_GISTIC_Peaks-20160128"]] chr1:1-27864255 ... chr21:41298805-43485528
[["HNSC_GISTIC_ThresholdedByGene-20160128"]] ACAP3 ...
[["HNSC_miRNASeqGene-20160128"]] hsa-let-7a-1 hsa-let-7a-2 ... hsa-mir-99b
[["HNSC_Mutation-20160128"]] character(0)
[["HNSC_RNASeq2GeneNorm-20160128"]] A1BG A1CF A2BP1 ... ZZZ3 psiTPTE22 tAKR
[["HNSC_RNASeqGene-20160128"]] A1BG A1CF A2BP1 A2LD1 ... ZZZ3 psiTPTE22 tAKR
...
<2 more elements>

> colnames( HNSC )
CharacterList of length 12
[["HNSC_CNASeq-20160128"]] TCGA-BA-4074-01A-01D-1431-02 ...
[["HNSC_CNASNP-20160128"]] TCGA-4P-AA8J-01A-11D-A390-01 ...
[["HNSC_CNVSNP-20160128"]] TCGA-4P-AA8J-01A-11D-A390-01 ...
[["HNSC_GISTIC_AllByGene-20160128"]] TCGA-4P-AA8J-01A-11D-A390-01 ...
[["HNSC_GISTIC_Peaks-20160128"]] TCGA-4P-AA8J-01A-11D-A390-01 ...
[["HNSC_GISTIC_ThresholdedByGene-20160128"]] TCGA-4P-AA8J-01A-11D-A390-01 ...
[["HNSC_miRNASeqGene-20160128"]] TCGA-4P-AA8J-01A-11R-A39B-13 ...
[["HNSC_Mutation-20160128"]] TCGA-BA-4074-01A-01D-1434-08 ...
[["HNSC_RNASeq2GeneNorm-20160128"]] TCGA-4P-AA8J-01A-11R-A39I-07 ...
[["HNSC_RNASeqGene-20160128"]] TCGA-BA-4074-01A-01R-1436-07 ...
...
<2 more elements>

```

Sizes of each ExperimentList element:

		assay size.Mb
1	HNSC_CNASeq-20160128	1 Mb
2	HNSC_CNASNP-20160128	13.6 Mb
3	HNSC_CNVSNP-20160128	3.3 Mb

```

4      HNSC_GISTIC_AllByGene-20160128  4.9 Mb
5      HNSC_GISTIC_Peaks-20160128    0.1 Mb
6 HNSC_GISTIC_ThresholdedByGene-20160128  4.9 Mb
7      HNSC_miRNASeqGene-20160128    0.1 Mb
8      HNSC_Mutation-20160128      68.9 Mb
9      HNSC_RNASeq2GeneNorm-20160128  1.3 Mb
10     HNSC_RNASeqGene-20160128     1.3 Mb
11     HNSC_RPPAArray-20160128       0 Mb
12     HNSC_Methylation-20160128    75.1 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

```

```

tumor_tissue_site:
head and neck
528

```

```

pathology_M_stage:
      m0    m1    mx NA's
191     1    65  271

```

gender:

female	male
142	386

date_of_initial_pathologic_diagnosis:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1992	2007	2010	2008	2011	2013	1

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

radiation_therapy:

no	yes	NA's
163	303	62

histological_type:

head & neck squamous cell carcinoma	517
head & neck squamous cell carcinoma basaloid type	10
head & neck squamous cell carcinoma, spindle cell variant	1

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

year_of_tobacco_smoking_onset:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1936	1959	1968	1967	1975	2001	246

number_of_lymph_nodes:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0.000	0.000	1.000	2.186	3.000	44.000	115

race:

american indian or alaska native	2	asian	11
black or african american	48	white	452
NA's	15		

ethnicity:

hispanic or latino	26	not hispanic or latino	465	NA's	37
--------------------	----	------------------------	-----	------	----

Including an additional 1426 columns

See Also

[HNSC-v2.0.1](#)

HNSC-v2.0.1

Head and Neck squamous cell carcinoma

Description

A document describing the TCGA cancer code

Details

```
> experiments( HNSC )
ExperimentList class object of length 13:
 [1] HNSC_CNASeq-20160128: RaggedExperiment with 32905 rows and 225 columns
 [2] HNSC_CNASNP-20160128: RaggedExperiment with 499142 rows and 1090 columns
 [3] HNSC_CNVSNP-20160128: RaggedExperiment with 110289 rows and 1089 columns
 [4] HNSC_GISTIC_AllByGene-20160128: SummarizedExperiment with 24776 rows and 522 columns
 [5] HNSC_GISTIC_Peaks-20160128: RangedSummarizedExperiment with 72 rows and 522 columns
 [6] HNSC_GISTIC_ThresholdedByGene-20160128: SummarizedExperiment with 24776 rows and 522 columns
 [7] HNSC_miRNASeqGene-20160128: SummarizedExperiment with 1046 rows and 532 columns
 [8] HNSC_Mutation-20160128: RaggedExperiment with 51799 rows and 279 columns
 [9] HNSC_RNASeq2Gene-20160128: SummarizedExperiment with 20501 rows and 566 columns
[10] HNSC_RNASeq2GeneNorm-20160128: SummarizedExperiment with 20501 rows and 566 columns
[11] HNSC_RNASeqGene-20160128: SummarizedExperiment with 20502 rows and 294 columns
[12] HNSC_RPPAArray-20160128: SummarizedExperiment with 160 rows and 212 columns
[13] HNSC_Methylation-20160128: SummarizedExperiment with 485577 rows and 580 columns

> rownames( HNSC )
CharacterList of length 13
[["HNSC_CNASeq-20160128"]] character(0)
[["HNSC_CNASNP-20160128"]] character(0)
[["HNSC_CNVSNP-20160128"]] character(0)
[["HNSC_GISTIC_AllByGene-20160128"]] character(0)
[["HNSC_GISTIC_Peaks-20160128"]] 29 30 31 1 32 33 2 ... 25 26 70 71 72 27 73
[["HNSC_GISTIC_ThresholdedByGene-20160128"]] character(0)
[["HNSC_miRNASeqGene-20160128"]] hsa-let-7a-1 hsa-let-7a-2 ... hsa-mir-99b
[["HNSC_Mutation-20160128"]] character(0)
[["HNSC_RNASeq2Gene-20160128"]] A1BG A1CF A2BP1 A2LD1 ... ZZZ3 psiTPTE22 tAKR
[["HNSC_RNASeq2GeneNorm-20160128"]] A1BG A1CF A2BP1 ... ZZZ3 psiTPTE22 tAKR
...
<3 more elements>

> colnames( HNSC )
CharacterList of length 13
[["HNSC_CNASeq-20160128"]] TCGA-BA-4074-01A-01D-1431-02 ...
[["HNSC_CNASNP-20160128"]] TCGA-4P-AA8J-01A-11D-A390-01 ...
[["HNSC_CNVSNP-20160128"]] TCGA-4P-AA8J-01A-11D-A390-01 ...
[["HNSC_GISTIC_AllByGene-20160128"]] TCGA-4P-AA8J-01A-11D-A390-01 ...
[["HNSC_GISTIC_Peaks-20160128"]] TCGA-4P-AA8J-01A-11D-A390-01 ...
```

```

[["HNSC_GISTIC_ThresholdedByGene-20160128"]] TCGA-4P-AA8J-01A-11D-A390-01 ...
[["HNSC_miRNASeqGene-20160128"]] TCGA-4P-AA8J-01A-11R-A39B-13 ...
[["HNSC_Mutation-20160128"]] TCGA-BA-4074-01A-01D-1434-08 ...
[["HNSC_RNASeq2Gene-20160128"]] TCGA-4P-AA8J-01A-11R-A39I-07 ...
[["HNSC_RNASeq2GeneNorm-20160128"]] TCGA-4P-AA8J-01A-11R-A39I-07 ...
...
<3 more elements>

```

Sizes of each ExperimentList element:

	assay	size.Mb
1	HNSC_CNASeq-20160128	1 Mb
2	HNSC_CNASNP-20160128	13.6 Mb
3	HNSC_CNVSNP-20160128	3.3 Mb
4	HNSC_GISTIC_AllByGene-20160128	102.3 Mb
5	HNSC_GISTIC_Peaks-20160128	0.5 Mb
6	HNSC_GISTIC_ThresholdedByGene-20160128	102.1 Mb
7	HNSC_miRNASeqGene-20160128	4.5 Mb
8	HNSC_Mutation-20160128	68.9 Mb
9	HNSC_RNASeq2Gene-20160128	91.2 Mb
10	HNSC_RNASeq2GeneNorm-20160128	91.2 Mb
11	HNSC_RNASeqGene-20160128	48.6 Mb
12	HNSC_RPPAArray-20160128	0.3 Mb
13	HNSC_Methylation-20160128	75.1 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

tumor_tissue_site:

head and neck

528

pathology_M_stage:

m0	m1	mx	NA's
----	----	----	------

191	1	65	271
-----	---	----	-----

gender:

female male

142	386
-----	-----

date_of_initial_pathologic_diagnosis:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1992	2007	2010	2008	2011	2013	1

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

radiation_therapy:

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

163	303	62
-----	-----	----

histological_type:

head & neck squamous cell carcinoma
517

head & neck squamous cell carcinoma basaloid type
10

head & neck squamous cell carcinoma, spindle cell variant
1

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

year_of_tobacco_smoking_onset:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1936	1959	1968	1967	1975	2001	246

number_of_lymph_nodes:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0.000	0.000	1.000	2.186	3.000	44.000	115

```

race:
american indian or alaska native                asian
                        2                        11
        black or african american                white
                        48                       452
                        NA's
                        15

ethnicity:
    hispanic or latino not hispanic or latino    NA's
                        26                       465
                                                37

```

Including an additional 1426 columns

HNSC-v2.1.0

Head and Neck squamous cell carcinoma

Description

A document describing the TCGA cancer code

Details

```

> experiments( HNSC )
ExperimentList class object of length 13:
 [1] HNSC_CNASeq-20160128: RaggedExperiment with 32905 rows and 225 columns
 [2] HNSC_CNASNP-20160128: RaggedExperiment with 499142 rows and 1090 columns
 [3] HNSC_CNVSNP-20160128: RaggedExperiment with 110289 rows and 1089 columns
 [4] HNSC_GISTIC_AllByGene-20160128: SummarizedExperiment with 24776 rows and 522 columns
 [5] HNSC_GISTIC_Peaks-20160128: RangedSummarizedExperiment with 72 rows and 522 columns
 [6] HNSC_GISTIC_ThresholdedByGene-20160128: SummarizedExperiment with 24776 rows and 522 columns
 [7] HNSC_Mutation-20160128: RaggedExperiment with 51799 rows and 279 columns
 [8] HNSC_RNASeq2Gene-20160128: SummarizedExperiment with 20501 rows and 566 columns
 [9] HNSC_RNASeqGene-20160128: SummarizedExperiment with 20502 rows and 294 columns
[10] HNSC_RPPAArray-20160128: SummarizedExperiment with 160 rows and 212 columns
[11] HNSC_miRNASeqGene-20160128: SummarizedExperiment with 1046 rows and 532 columns
[12] HNSC_RNASeq2GeneNorm-20160128: SummarizedExperiment with 18361 rows and 566 columns
[13] HNSC_Methylation-20160128: SummarizedExperiment with 485577 rows and 580 columns

> rownames( HNSC )
CharacterList of length 13
[["HNSC_CNASeq-20160128"]] character(0)
[["HNSC_CNASNP-20160128"]] character(0)
[["HNSC_CNVSNP-20160128"]] character(0)
[["HNSC_GISTIC_AllByGene-20160128"]] character(0)
[["HNSC_GISTIC_Peaks-20160128"]] 29 30 31 1 32 33 2 ... 25 26 70 71 72 27 73
[["HNSC_GISTIC_ThresholdedByGene-20160128"]] character(0)
[["HNSC_Mutation-20160128"]] character(0)
[["HNSC_RNASeq2Gene-20160128"]] A1BG A1CF A2BP1 A2LD1 ... ZZZ3 psiTPTE22 tAKR
[["HNSC_RNASeqGene-20160128"]] A1BG A1CF A2BP1 A2LD1 ... ZZZ3 psiTPTE22 tAKR
[["HNSC_RPPAArray-20160128"]] 14-3-3_epsilon 4E-BP1 ... p90RSK_pT359_S363

```

```

...
<3 more elements>

> colnames( HNSC )
CharacterList of length 13
[["HNSC_CNASeq-20160128"]] TCGA-BA-4074-01A-01D-1431-02 ...
[["HNSC_CNASNP-20160128"]] TCGA-4P-AA8J-01A-11D-A390-01 ...
[["HNSC_CNVSNP-20160128"]] TCGA-4P-AA8J-01A-11D-A390-01 ...
[["HNSC_GISTIC_AllByGene-20160128"]] TCGA-4P-AA8J-01A-11D-A390-01 ...
[["HNSC_GISTIC_Peaks-20160128"]] TCGA-4P-AA8J-01A-11D-A390-01 ...
[["HNSC_GISTIC_ThresholdedByGene-20160128"]] TCGA-4P-AA8J-01A-11D-A390-01 ...
[["HNSC_Mutation-20160128"]] TCGA-BA-4074-01A-01D-1434-08 ...
[["HNSC_RNASeq2Gene-20160128"]] TCGA-4P-AA8J-01A-11R-A39I-07 ...
[["HNSC_RNASeqGene-20160128"]] TCGA-BA-4074-01A-01R-1436-07 ...
[["HNSC_RPPAArray-20160128"]] TCGA-BA-4074-01A-21-2072-20 ...
...
<3 more elements>

```

Sizes of each ExperimentList element:

	assay	size.Mb
1	HNSC_CNASeq-20160128	1 Mb
2	HNSC_CNASNP-20160128	13.6 Mb
3	HNSC_CNVSNP-20160128	3.3 Mb
4	HNSC_GISTIC_AllByGene-20160128	102.3 Mb
5	HNSC_GISTIC_Peaks-20160128	0.5 Mb
6	HNSC_GISTIC_ThresholdedByGene-20160128	102.1 Mb
7	HNSC_Mutation-20160128	68.9 Mb
8	HNSC_RNASeq2Gene-20160128	91.2 Mb
9	HNSC_RNASeqGene-20160128	48.6 Mb
10	HNSC_RPPAArray-20160128	0.3 Mb
11	HNSC_miRNASeqGene-20160128	4.5 Mb
12	HNSC_RNASeq2GeneNorm-20160128	81.6 Mb
13	HNSC_Methylation-20160128	75.1 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
[1,] 223    223    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

tumor_tissue_site:

head and neck

528

pathology_M_stage:

m0 m1 mx NA's

191 1 65 271

gender:

female male

142 386

date_of_initial_pathologic_diagnosis:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1992	2007	2010	2008	2011	2013	1

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

radiation_therapy:

no yes NA's

163 303 62

histological_type:

head & neck squamous cell carcinoma

517

head & neck squamous cell carcinoma basaloid type

10

head & neck squamous cell carcinoma, spindle cell variant

1

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
```

```
year_of_tobacco_smoking_onset:
```

```
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
1936 1959 1968 1967 1975 2001 246
```

```
number_of_lymph_nodes:
```

```
Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
0.000 0.000 1.000 2.186 3.000 44.000 115
```

```
race:
```

```
american indian or alaska native      asian
                                2      11
black or african american              white
                                48     452
                                NA's
                                15
```

```
ethnicity:
```

```
hispanic or latino not hispanic or latino      NA's
                                26      465      37
```

```
Including an additional 1426 columns
```

KICH

Kidney Chromophobe

Description

A document describing the TCGA cancer code

Details

```
> experiments( KICH )
ExperimentList class object of length 10:
[1] KICH_CNASNP-20160128: RaggedExperiment with 57729 rows and 132 columns
[2] KICH_CNVSNP-20160128: RaggedExperiment with 10164 rows and 132 columns
[3] KICH_GISTIC_AllByGene-20160128: SummarizedExperiment with 24776 rows and 66 columns
[4] KICH_GISTIC_Peaks-20160128: RangedSummarizedExperiment with 2 rows and 66 columns
[5] KICH_GISTIC_ThresholdedByGene-20160128: SummarizedExperiment with 24776 rows and 66 columns
[6] KICH_miRNASeqGene-20160128: SummarizedExperiment with 1046 rows and 91 columns
[7] KICH_Mutation-20160128: RaggedExperiment with 7559 rows and 66 columns
[8] KICH_RNASeq2GeneNorm-20160128: SummarizedExperiment with 20501 rows and 91 columns
[9] KICH_RPPAArray-20160128: SummarizedExperiment with 193 rows and 63 columns
[10] KICH_Methylation-20160128: SummarizedExperiment with 485577 rows and 66 columns

> rownames( KICH )
CharacterList of length 10
[["KICH_CNASNP-20160128"]] character(0)
[["KICH_CNVSNP-20160128"]] character(0)
[["KICH_GISTIC_AllByGene-20160128"]] ACAP3 ... WASIR1|ENSG00000185203.7
```

```

[["KICH_GISTIC_Peaks-20160128"]] chr8:116272008-117149163 chr15:1-66482794
[["KICH_GISTIC_ThresholdedByGene-20160128"]] ACAP3 ...
[["KICH_miRNASeqGene-20160128"]] hsa-let-7a-1 hsa-let-7a-2 ... hsa-mir-99b
[["KICH_Mutation-20160128"]] character(0)
[["KICH_RNASeq2GeneNorm-20160128"]] A1BG A1CF A2BP1 ... ZZZ3 psiTPTE22 TAKR
[["KICH_RPPAArray-20160128"]] 14-3-3_beta ... p90RSK_pT359_S363
[["KICH_Methylation-20160128"]] cg00000029 cg00000108 ... rs966367 rs9839873

```

```

> colnames( KICH )
CharacterList of length 10
[["KICH_CNASNP-20160128"]] TCGA-KL-8323-01A-21D-2308-01 ...
[["KICH_CNVSNP-20160128"]] TCGA-KL-8323-01A-21D-2308-01 ...
[["KICH_GISTIC_AllByGene-20160128"]] TCGA-KL-8323-01A-21D-2308-01 ...
[["KICH_GISTIC_Peaks-20160128"]] TCGA-KL-8323-01A-21D-2308-01 ...
[["KICH_GISTIC_ThresholdedByGene-20160128"]] TCGA-KL-8323-01A-21D-2308-01 ...
[["KICH_miRNASeqGene-20160128"]] TCGA-KL-8323-01A-21R-2314-13 ...
[["KICH_Mutation-20160128"]] TCGA-KL-8323-01A-21D-2310-10 ...
[["KICH_RNASeq2GeneNorm-20160128"]] TCGA-KL-8323-01A-21R-2315-07 ...
[["KICH_RPPAArray-20160128"]] TCGA-KL-8324-01A-21-A421-20 ...
[["KICH_Methylation-20160128"]] TCGA-KL-8323-01A-21D-2312-05 ...

```

Sizes of each ExperimentList element:

		assay size.Mb
1	KICH_CNASNP-20160128	1.6 Mb
2	KICH_CNVSNP-20160128	0.3 Mb
3	KICH_GISTIC_AllByGene-20160128	4.9 Mb
4	KICH_GISTIC_Peaks-20160128	0 Mb
5	KICH_GISTIC_ThresholdedByGene-20160128	4.9 Mb
6	KICH_miRNASeqGene-20160128	0.1 Mb
7	KICH_Mutation-20160128	2.6 Mb
8	KICH_RNASeq2GeneNorm-20160128	1.3 Mb
9	KICH_RPPAArray-20160128	0 Mb
10	KICH_Methylation-20160128	75 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
```

Including an additional 718 columns

See Also

[KICH-v2.0.1](#)

KICH-v2.0.1	<i>Kidney Chromophobe</i>
-------------	---------------------------

Description

A document describing the TCGA cancer code

Details

```
> experiments( KICH )
ExperimentList class object of length 11:
 [1] KICH_CNASNP-20160128: RaggedExperiment with 57729 rows and 132 columns
 [2] KICH_CNVSNP-20160128: RaggedExperiment with 10164 rows and 132 columns
 [3] KICH_GISTIC_AllByGene-20160128: SummarizedExperiment with 24776 rows and 66 columns
 [4] KICH_GISTIC_Peaks-20160128: RangedSummarizedExperiment with 2 rows and 66 columns
 [5] KICH_GISTIC_ThresholdedByGene-20160128: SummarizedExperiment with 24776 rows and 66 columns
 [6] KICH_miRNASeqGene-20160128: SummarizedExperiment with 1046 rows and 91 columns
 [7] KICH_Mutation-20160128: RaggedExperiment with 7559 rows and 66 columns
 [8] KICH_RNASeq2Gene-20160128: SummarizedExperiment with 20501 rows and 91 columns
 [9] KICH_RNASeq2GeneNorm-20160128: SummarizedExperiment with 20501 rows and 91 columns
[10] KICH_RPPAArray-20160128: SummarizedExperiment with 193 rows and 63 columns
[11] KICH_Methylation-20160128: SummarizedExperiment with 485577 rows and 66 columns

> rownames( KICH )
CharacterList of length 11
[["KICH_CNASNP-20160128"]] character(0)
[["KICH_CNVSNP-20160128"]] character(0)
```

```

[["KICH_GISTIC_AllByGene-20160128"]] character(0)
[["KICH_GISTIC_Peaks-20160128"]] 1 2
[["KICH_GISTIC_ThresholdedByGene-20160128"]] character(0)
[["KICH_miRNASeqGene-20160128"]] hsa-let-7a-1 hsa-let-7a-2 ... hsa-mir-99b
[["KICH_Mutation-20160128"]] character(0)
[["KICH_RNASeq2Gene-20160128"]] A1BG A1CF A2BP1 A2LD1 ... ZZZ3 psiTPTE22 tAKR
[["KICH_RNASeq2GeneNorm-20160128"]] A1BG A1CF A2BP1 ... ZZZ3 psiTPTE22 tAKR
[["KICH_RPPAArray-20160128"]] 14-3-3_beta ... p90RSK_pT359_S363
...
<1 more element>

```

```

> colnames( KICH )
CharacterList of length 11
[["KICH_CNASNP-20160128"]] TCGA-KL-8323-01A-21D-2308-01 ...
[["KICH_CNVSNP-20160128"]] TCGA-KL-8323-01A-21D-2308-01 ...
[["KICH_GISTIC_AllByGene-20160128"]] TCGA-KL-8323-01A-21D-2308-01 ...
[["KICH_GISTIC_Peaks-20160128"]] TCGA-KL-8323-01A-21D-2308-01 ...
[["KICH_GISTIC_ThresholdedByGene-20160128"]] TCGA-KL-8323-01A-21D-2308-01 ...
[["KICH_miRNASeqGene-20160128"]] TCGA-KL-8323-01A-21R-2314-13 ...
[["KICH_Mutation-20160128"]] TCGA-KL-8323-01A-21D-2310-10 ...
[["KICH_RNASeq2Gene-20160128"]] TCGA-KL-8323-01A-21R-2315-07 ...
[["KICH_RNASeq2GeneNorm-20160128"]] TCGA-KL-8323-01A-21R-2315-07 ...
[["KICH_RPPAArray-20160128"]] TCGA-KL-8324-01A-21-A421-20 ...
...
<1 more element>

```

Sizes of each ExperimentList element:

		assay size.Mb
1	KICH_CNASNP-20160128	1.6 Mb
2	KICH_CNVSNP-20160128	0.3 Mb
3	KICH_GISTIC_AllByGene-20160128	15.9 Mb
4	KICH_GISTIC_Peaks-20160128	0 Mb
5	KICH_GISTIC_ThresholdedByGene-20160128	15.8 Mb
6	KICH_miRNASeqGene-20160128	0.9 Mb
7	KICH_Mutation-20160128	2.6 Mb
8	KICH_RNASeq2Gene-20160128	16.8 Mb
9	KICH_RNASeq2GeneNorm-20160128	16.8 Mb
10	KICH_RPPAArray-20160128	0.1 Mb
11	KICH_Methylation-20160128	75 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

Including an additional 718 columns

KICH-v2.1.0

Kidney Chromophobe

Description

A document describing the TCGA cancer code

Details

```
> experiments( KICH )
ExperimentList class object of length 11:
 [1] KICH_CNASNP-20160128: RaggedExperiment with 57729 rows and 132 columns
 [2] KICH_CNVSNP-20160128: RaggedExperiment with 10164 rows and 132 columns
 [3] KICH_GISTIC_AllByGene-20160128: SummarizedExperiment with 24776 rows and 66 columns
 [4] KICH_GISTIC_Peaks-20160128: RangedSummarizedExperiment with 2 rows and 66 columns
 [5] KICH_GISTIC_ThresholdedByGene-20160128: SummarizedExperiment with 24776 rows and 66 columns
 [6] KICH_Mutation-20160128: RaggedExperiment with 7559 rows and 66 columns
 [7] KICH_RNASeq2Gene-20160128: SummarizedExperiment with 20501 rows and 91 columns
 [8] KICH_RPPAArray-20160128: SummarizedExperiment with 193 rows and 63 columns
 [9] KICH_miRNASeqGene-20160128: SummarizedExperiment with 1046 rows and 91 columns
[10] KICH_RNASeq2GeneNorm-20160128: SummarizedExperiment with 18122 rows and 91 columns
[11] KICH_Methylation-20160128: SummarizedExperiment with 485577 rows and 66 columns

> rownames( KICH )
CharacterList of length 11
```

```

[["KICH_CNASNP-20160128"]] character(0)
[["KICH_CNVSNP-20160128"]] character(0)
[["KICH_GISTIC_AllByGene-20160128"]] character(0)
[["KICH_GISTIC_Peaks-20160128"]] 1 2
[["KICH_GISTIC_ThresholdedByGene-20160128"]] character(0)
[["KICH_Mutation-20160128"]] character(0)
[["KICH_RNASeq2Gene-20160128"]] A1BG A1CF A2BP1 A2LD1 ... ZZZ3 psiTPTE22 tAKR
[["KICH_RPPAArray-20160128"]] 14-3-3_beta ... p90RSK_pT359_S363
[["KICH_miRNASeqGene-20160128"]] hsa-let-7a-1 hsa-let-7a-2 ... hsa-mir-99b
[["KICH_RNASeq2GeneNorm-20160128"]] A1BG A1CF A2BP1 ... ZZZ3 psiTPTE22 tAKR
...
<1 more element>

```

```

> colnames( KICH )
CharacterList of length 11
[["KICH_CNASNP-20160128"]] TCGA-KL-8323-01A-21D-2308-01 ...
[["KICH_CNVSNP-20160128"]] TCGA-KL-8323-01A-21D-2308-01 ...
[["KICH_GISTIC_AllByGene-20160128"]] TCGA-KL-8323-01A-21D-2308-01 ...
[["KICH_GISTIC_Peaks-20160128"]] TCGA-KL-8323-01A-21D-2308-01 ...
[["KICH_GISTIC_ThresholdedByGene-20160128"]] TCGA-KL-8323-01A-21D-2308-01 ...
[["KICH_Mutation-20160128"]] TCGA-KL-8323-01A-21D-2310-10 ...
[["KICH_RNASeq2Gene-20160128"]] TCGA-KL-8323-01A-21R-2315-07 ...
[["KICH_RPPAArray-20160128"]] TCGA-KL-8324-01A-21-A421-20 ...
[["KICH_miRNASeqGene-20160128"]] TCGA-KL-8323-01A-21R-2314-13 ...
[["KICH_RNASeq2GeneNorm-20160128"]] TCGA-KL-8323-01 ... TCGA-KO-8417-01
...
<1 more element>

```

Sizes of each ExperimentList element:

		assay size.Mb
1	KICH_CNASNP-20160128	1.6 Mb
2	KICH_CNVSNP-20160128	0.3 Mb
3	KICH_GISTIC_AllByGene-20160128	15.9 Mb
4	KICH_GISTIC_Peaks-20160128	0 Mb
5	KICH_GISTIC_ThresholdedByGene-20160128	15.8 Mb
6	KICH_Mutation-20160128	2.6 Mb
7	KICH_RNASeq2Gene-20160128	16.8 Mb
8	KICH_RPPAArray-20160128	0.1 Mb
9	KICH_miRNASeqGene-20160128	0.9 Mb
10	KICH_RNASeq2GeneNorm-20160128	14.8 Mb
11	KICH_Methylation-20160128	75 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

```

```
[1,] 9      9    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
```

Including an additional 718 columns

KIRC

Kidney renal clear cell carcinoma

Description

A document describing the TCGA cancer code

Details

```
> experiments( KIRC )
ExperimentList class object of length 13:
[1] KIRC_CNASNP-20160128: RaggedExperiment with 488691 rows and 1059 columns
[2] KIRC_CNVSNP-20160128: RaggedExperiment with 85036 rows and 1059 columns
[3] KIRC_GISTIC_AllByGene-20160128: SummarizedExperiment with 24776 rows and 528 columns
[4] KIRC_GISTIC_Peaks-20160128: RangedSummarizedExperiment with 26 rows and 528 columns
[5] KIRC_GISTIC_ThresholdedByGene-20160128: SummarizedExperiment with 24776 rows and 528 columns
[6] KIRC_miRNASeqGene-20160128: SummarizedExperiment with 1046 rows and 326 columns
[7] KIRC_mRNAArray-20160128: SummarizedExperiment with 17814 rows and 72 columns
[8] KIRC_Mutation-20160128: RaggedExperiment with 26369 rows and 437 columns
[9] KIRC_RNASeq2GeneNorm-20160128: SummarizedExperiment with 20501 rows and 606 columns
[10] KIRC_RNASeqGene-20160128: SummarizedExperiment with 20502 rows and 537 columns
[11] KIRC_RPPAArray-20160128: SummarizedExperiment with 217 rows and 478 columns
[12] KIRC_Methylation_methyl27-20160128: SummarizedExperiment with 27578 rows and 418 columns
```

[13] KIRC_Methylation_methyl450-20160128: SummarizedExperiment with 485577 rows and 480 columns

```
> rownames( KIRC )
CharacterList of length 13
[["KIRC_CNASNP-20160128"]] character(0)
[["KIRC_CNVSNP-20160128"]] character(0)
[["KIRC_GISTIC_AllByGene-20160128"]] ACAP3 ... WASIR1|ENSG00000185203.7
[["KIRC_GISTIC_Peaks-20160128"]] chr1:1-31345223 ... chr14:56181301-107349540
[["KIRC_GISTIC_ThresholdedByGene-20160128"]] ACAP3 ...
[["KIRC_miRNASeqGene-20160128"]] hsa-let-7a-1 hsa-let-7a-2 ... hsa-mir-99b
[["KIRC_mRNAArray-20160128"]] ELM02 CREB3L1 RPS11 PNMA1 ... SNRPD2 AQP7 CTSC
[["KIRC_Mutation-20160128"]] character(0)
[["KIRC_RNASeq2GeneNorm-20160128"]] A1BG A1CF A2BP1 ... ZZZ3 psiTPTE22 tAKR
[["KIRC_RNASeqGene-20160128"]] A1BG A1CF A2BP1 A2LD1 ... ZZZ3 psiTPTE22 tAKR
...
<3 more elements>
```

```
> colnames( KIRC )
CharacterList of length 13
[["KIRC_CNASNP-20160128"]] TCGA-3Z-A93Z-01A-11D-A36W-01 ...
[["KIRC_CNVSNP-20160128"]] TCGA-3Z-A93Z-01A-11D-A36W-01 ...
[["KIRC_GISTIC_AllByGene-20160128"]] TCGA-3Z-A93Z-01A-11D-A36W-01 ...
[["KIRC_GISTIC_Peaks-20160128"]] TCGA-3Z-A93Z-01A-11D-A36W-01 ...
[["KIRC_GISTIC_ThresholdedByGene-20160128"]] TCGA-3Z-A93Z-01A-11D-A36W-01 ...
[["KIRC_miRNASeqGene-20160128"]] TCGA-3Z-A93Z-01A-11R-A37P-13 ...
[["KIRC_mRNAArray-20160128"]] TCGA-A3-3306-01A-01R-0864-07 ...
[["KIRC_Mutation-20160128"]] TCGA-A3-3308-01A-01D-0966-08 ...
[["KIRC_RNASeq2GeneNorm-20160128"]] TCGA-3Z-A93Z-01A-11R-A370-07 ...
[["KIRC_RNASeqGene-20160128"]] TCGA-A3-3306-01A-01R-0864-07 ...
...
<3 more elements>
```

Sizes of each ExperimentList element:

		assay size.Mb
1	KIRC_CNASNP-20160128	13.4 Mb
2	KIRC_CNVSNP-20160128	2.6 Mb
3	KIRC_GISTIC_AllByGene-20160128	4.9 Mb
4	KIRC_GISTIC_Peaks-20160128	0.1 Mb
5	KIRC_GISTIC_ThresholdedByGene-20160128	4.9 Mb
6	KIRC_miRNASeqGene-20160128	0.1 Mb
7	KIRC_mRNAArray-20160128	1.1 Mb
8	KIRC_Mutation-20160128	8.2 Mb
9	KIRC_RNASeq2GeneNorm-20160128	1.3 Mb
10	KIRC_RNASeqGene-20160128	1.3 Mb
11	KIRC_RPPAArray-20160128	0.1 Mb
12	KIRC_Methylation_methyl27-20160128	4.9 Mb
13	KIRC_Methylation_methyl450-20160128	75.1 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							
856							
NA's							
7							
ethnicity:							
hispanic or latino not hispanic or latino							
26359							

Including an additional 2250 columns

See Also

[KIRC-v2.0.1](#)

KIRC-v2.0.1	Kidney renal clear cell carcinoma
-------------	-----------------------------------

Description

A document describing the TCGA cancer code

Details

```

> experiments( KIRC )
ExperimentList class object of length 14:
 [1] KIRC_CNASNP-20160128: RaggedExperiment with 488691 rows and 1059 columns
 [2] KIRC_CNVSNP-20160128: RaggedExperiment with 85036 rows and 1059 columns
 [3] KIRC_GISTIC_AllByGene-20160128: SummarizedExperiment with 24776 rows and 528 columns
 [4] KIRC_GISTIC_Peaks-20160128: RangedSummarizedExperiment with 26 rows and 528 columns
 [5] KIRC_GISTIC_ThresholdedByGene-20160128: SummarizedExperiment with 24776 rows and 528 columns
 [6] KIRC_miRNASeqGene-20160128: SummarizedExperiment with 1046 rows and 326 columns
 [7] KIRC_mRNAArray-20160128: SummarizedExperiment with 17814 rows and 72 columns
 [8] KIRC_Mutation-20160128: RaggedExperiment with 26369 rows and 437 columns
 [9] KIRC_RNASeq2Gene-20160128: SummarizedExperiment with 20501 rows and 606 columns
[10] KIRC_RNASeq2GeneNorm-20160128: SummarizedExperiment with 20501 rows and 606 columns
[11] KIRC_RNASeqGene-20160128: SummarizedExperiment with 20502 rows and 537 columns
[12] KIRC_RPPAArray-20160128: SummarizedExperiment with 217 rows and 478 columns
[13] KIRC_Methylation_methyl27-20160128: SummarizedExperiment with 27578 rows and 418 columns
[14] KIRC_Methylation_methyl450-20160128: SummarizedExperiment with 485577 rows and 480 columns

> rownames( KIRC )
CharacterList of length 14
[["KIRC_CNASNP-20160128"]] character(0)
[["KIRC_CNVSNP-20160128"]] character(0)
[["KIRC_GISTIC_AllByGene-20160128"]] character(0)
[["KIRC_GISTIC_Peaks-20160128"]] 11 12 1 2 13 14 15 16 ... 7 25 26 8 27 28 29
[["KIRC_GISTIC_ThresholdedByGene-20160128"]] character(0)
[["KIRC_miRNASeqGene-20160128"]] hsa-let-7a-1 hsa-let-7a-2 ... hsa-mir-99b
[["KIRC_mRNAArray-20160128"]] ELM02 CREB3L1 RPS11 PNMA1 ... SNRPD2 AQP7 CTSC
[["KIRC_Mutation-20160128"]] character(0)
[["KIRC_RNASeq2Gene-20160128"]] A1BG A1CF A2BP1 A2LD1 ... ZZZ3 psiTPTE22 tAKR
[["KIRC_RNASeq2GeneNorm-20160128"]] A1BG A1CF A2BP1 ... ZZZ3 psiTPTE22 tAKR
...
<4 more elements>

> colnames( KIRC )
CharacterList of length 14
[["KIRC_CNASNP-20160128"]] TCGA-3Z-A93Z-01A-11D-A36W-01 ...
[["KIRC_CNVSNP-20160128"]] TCGA-3Z-A93Z-01A-11D-A36W-01 ...
[["KIRC_GISTIC_AllByGene-20160128"]] TCGA-3Z-A93Z-01A-11D-A36W-01 ...
[["KIRC_GISTIC_Peaks-20160128"]] TCGA-3Z-A93Z-01A-11D-A36W-01 ...
[["KIRC_GISTIC_ThresholdedByGene-20160128"]] TCGA-3Z-A93Z-01A-11D-A36W-01 ...
[["KIRC_miRNASeqGene-20160128"]] TCGA-3Z-A93Z-01A-11R-A37P-13 ...
[["KIRC_mRNAArray-20160128"]] TCGA-A3-3306-01A-01R-0864-07 ...
[["KIRC_Mutation-20160128"]] TCGA-A3-3308-01A-01D-0966-08 ...
[["KIRC_RNASeq2Gene-20160128"]] TCGA-3Z-A93Z-01A-11R-A370-07 ...
[["KIRC_RNASeq2GeneNorm-20160128"]] TCGA-3Z-A93Z-01A-11R-A370-07 ...
...
<4 more elements>

Sizes of each ExperimentList element:

              assay  size.Mb
1             KIRC_CNASNP-20160128  13.4 Mb

```

2	KIRC_CNVSNP-20160128	2.6 Mb
3	KIRC_GISTIC_AllByGene-20160128	103.4 Mb
4	KIRC_GISTIC_Peaks-20160128	0.2 Mb
5	KIRC_GISTIC_ThresholdedByGene-20160128	103.2 Mb
6	KIRC_miRNASeqGene-20160128	2.8 Mb
7	KIRC_mRNAArray-20160128	12 Mb
8	KIRC_Mutation-20160128	8.2 Mb
9	KIRC_RNASeq2Gene-20160128	97.4 Mb
10	KIRC_RNASeq2GeneNorm-20160128	97.4 Mb
11	KIRC_RNASeqGene-20160128	86.6 Mb
12	KIRC_RPPAArray-20160128	0.9 Mb
13	KIRC_Methylation_methyl27-20160128	4.9 Mb
14	KIRC_Methylation_methyl450-20160128	75.1 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

Including an additional 2250 columns

KIRC-v2.1.0

Kidney renal clear cell carcinoma

Description

A document describing the TCGA cancer code

Details

```
> experiments( KIRC )
ExperimentList class object of length 14:
 [1] KIRC_CNASNP-20160128: RaggedExperiment with 488691 rows and 1059 columns
 [2] KIRC_CNVSNP-20160128: RaggedExperiment with 85036 rows and 1059 columns
 [3] KIRC_GISTIC_AllByGene-20160128: SummarizedExperiment with 24776 rows and 528 columns
 [4] KIRC_GISTIC_Peaks-20160128: RangedSummarizedExperiment with 26 rows and 528 columns
 [5] KIRC_GISTIC_ThresholdedByGene-20160128: SummarizedExperiment with 24776 rows and 528 columns
 [6] KIRC_mRNAArray-20160128: SummarizedExperiment with 17814 rows and 72 columns
 [7] KIRC_Mutation-20160128: RaggedExperiment with 26369 rows and 437 columns
 [8] KIRC_RNASeq2Gene-20160128: SummarizedExperiment with 20501 rows and 606 columns
 [9] KIRC_RNASeqGene-20160128: SummarizedExperiment with 20502 rows and 537 columns
[10] KIRC_RPPAArray-20160128: SummarizedExperiment with 217 rows and 478 columns
[11] KIRC_miRNASeqGene-20160128: SummarizedExperiment with 1046 rows and 326 columns
[12] KIRC_RNASeq2GeneNorm-20160128: SummarizedExperiment with 18292 rows and 606 columns
[13] KIRC_Methylation_methyl27-20160128: SummarizedExperiment with 27578 rows and 418 columns
[14] KIRC_Methylation_methyl450-20160128: SummarizedExperiment with 485577 rows and 480 columns

> rownames( KIRC )
CharacterList of length 14
[["KIRC_CNASNP-20160128"]] character(0)
[["KIRC_CNVSNP-20160128"]] character(0)
[["KIRC_GISTIC_AllByGene-20160128"]] character(0)
[["KIRC_GISTIC_Peaks-20160128"]] 11 12 1 2 13 14 15 16 ... 7 25 26 8 27 28 29
[["KIRC_GISTIC_ThresholdedByGene-20160128"]] character(0)
[["KIRC_mRNAArray-20160128"]] ELM02 CREB3L1 RPS11 PNMA1 ... SNRPD2 AQP7 CTSC
[["KIRC_Mutation-20160128"]] character(0)
[["KIRC_RNASeq2Gene-20160128"]] A1BG A1CF A2BP1 A2LD1 ... ZZZ3 psiTPTE22 TAKR
[["KIRC_RNASeqGene-20160128"]] A1BG A1CF A2BP1 A2LD1 ... ZZZ3 psiTPTE22 TAKR
[["KIRC_RPPAArray-20160128"]] 14-3-3_beta ... p90RSK_pT359_S363
...
<4 more elements>

> colnames( KIRC )
CharacterList of length 14
[["KIRC_CNASNP-20160128"]] TCGA-3Z-A93Z-01A-11D-A36W-01 ...
[["KIRC_CNVSNP-20160128"]] TCGA-3Z-A93Z-01A-11D-A36W-01 ...
[["KIRC_GISTIC_AllByGene-20160128"]] TCGA-3Z-A93Z-01A-11D-A36W-01 ...
[["KIRC_GISTIC_Peaks-20160128"]] TCGA-3Z-A93Z-01A-11D-A36W-01 ...
[["KIRC_GISTIC_ThresholdedByGene-20160128"]] TCGA-3Z-A93Z-01A-11D-A36W-01 ...
```

```

[["KIRC_mRNAArray-20160128"]] TCGA-A3-3306-01A-01R-0864-07 ...
[["KIRC_Mutation-20160128"]] TCGA-A3-3308-01A-01D-0966-08 ...
[["KIRC_RNASeq2Gene-20160128"]] TCGA-3Z-A93Z-01A-11R-A370-07 ...
[["KIRC_RNASeqGene-20160128"]] TCGA-A3-3306-01A-01R-0864-07 ...
[["KIRC_RPPAArray-20160128"]] TCGA-3Z-A93Z-01A-21-A45H-20 ...
...
<4 more elements>

```

Sizes of each ExperimentList element:

	assay	size.Mb
1	KIRC_CNASNP-20160128	13.4 Mb
2	KIRC_CNVSNP-20160128	2.6 Mb
3	KIRC_GISTIC_AllByGene-20160128	103.4 Mb
4	KIRC_GISTIC_Peaks-20160128	0.2 Mb
5	KIRC_GISTIC_ThresholdedByGene-20160128	103.2 Mb
6	KIRC_mRNAArray-20160128	12 Mb
7	KIRC_Mutation-20160128	8.2 Mb
8	KIRC_RNASeq2Gene-20160128	97.4 Mb
9	KIRC_RNASeqGene-20160128	86.6 Mb
10	KIRC_RPPAArray-20160128	0.9 Mb
11	KIRC_miRNASeqGene-20160128	2.8 Mb
12	KIRC_RNASeq2GeneNorm-20160128	86.9 Mb
13	KIRC_Methylation_methyl27-20160128	4.9 Mb
14	KIRC_Methylation_methyl450-20160128	75.1 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
[1,] 177      177    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

Including an additional 2250 columns

KIRP

Kidney renal papillary cell carcinoma

Description

A document describing the TCGA cancer code

Details

```
> experiments( KIRP )
ExperimentList class object of length 13:
 [1] KIRP_CNASNP-20160128: RaggedExperiment with 300681 rows and 593 columns
 [2] KIRP_CNVSNP-20160128: RaggedExperiment with 46914 rows and 590 columns
 [3] KIRP_GISTIC_AllByGene-20160128: SummarizedExperiment with 24776 rows and 288 columns
 [4] KIRP_GISTIC_Peaks-20160128: RangedSummarizedExperiment with 28 rows and 288 columns
 [5] KIRP_GISTIC_ThresholdedByGene-20160128: SummarizedExperiment with 24776 rows and 288 columns
 [6] KIRP_miRNASeqGene-20160128: SummarizedExperiment with 1046 rows and 326 columns
 [7] KIRP_mRNAArray-20160128: SummarizedExperiment with 17814 rows and 16 columns
 [8] KIRP_Mutation-20160128: RaggedExperiment with 15585 rows and 161 columns
 [9] KIRP_RNASeq2GeneNorm-20160128: SummarizedExperiment with 20501 rows and 323 columns
[10] KIRP_RNASeqGene-20160128: SummarizedExperiment with 20502 rows and 14 columns
[11] KIRP_RPPAArray-20160128: SummarizedExperiment with 195 rows and 216 columns
[12] KIRP_Methylation_methyl27-20160128: SummarizedExperiment with 27578 rows and 21 columns
[13] KIRP_Methylation_methyl450-20160128: SummarizedExperiment with 485577 rows and 321 columns

> rownames( KIRP )
CharacterList of length 13
[["KIRP_CNASNP-20160128"]] character(0)
[["KIRP_CNVSNP-20160128"]] character(0)
[["KIRP_GISTIC_AllByGene-20160128"]] ACAP3 ... WASIR1|ENSG00000185203.7
[["KIRP_GISTIC_Peaks-20160128"]] chr1:1-29472434 ... chr22:29969457-30128393
[["KIRP_GISTIC_ThresholdedByGene-20160128"]] ACAP3 ...
[["KIRP_miRNASeqGene-20160128"]] hsa-let-7a-1 hsa-let-7a-2 ... hsa-mir-99b
[["KIRP_mRNAArray-20160128"]] ELM02 CREB3L1 RPS11 PNMA1 ... SNRPD2 AQP7 CTSC
[["KIRP_Mutation-20160128"]] character(0)
[["KIRP_RNASeq2GeneNorm-20160128"]] A1BG A1CF A2BP1 ... ZZZ3 psiTPTE22 tAKR
```

```
[[ "KIRP_RNASeqGene-20160128" ]] A1BG A1CF A2BP1 A2LD1 ... ZZZ3 psiTPTE22 tAKR
...
<3 more elements>
```

```
> colnames( KIRP )
CharacterList of length 13
[[ "KIRP_CNASNP-20160128" ]] TCGA-2K-A9WE-01A-11D-A381-01 ...
[[ "KIRP_CNVSNP-20160128" ]] TCGA-2K-A9WE-01A-11D-A381-01 ...
[[ "KIRP_GISTIC_AllByGene-20160128" ]] TCGA-2K-A9WE-01A-11D-A381-01 ...
[[ "KIRP_GISTIC_Peaks-20160128" ]] TCGA-2K-A9WE-01A-11D-A381-01 ...
[[ "KIRP_GISTIC_ThresholdedByGene-20160128" ]] TCGA-2K-A9WE-01A-11D-A381-01 ...
[[ "KIRP_miRNASeqGene-20160128" ]] TCGA-2K-A9WE-01A-11R-A38N-13 ...
[[ "KIRP_mRNAArray-20160128" ]] TCGA-AL-3466-01A-01R-1193-07 ...
[[ "KIRP_Mutation-20160128" ]] TCGA-A4-7286-01A-11D-2136-08 ...
[[ "KIRP_RNASeq2GeneNorm-20160128" ]] TCGA-2K-A9WE-01A-11R-A38C-07 ...
[[ "KIRP_RNASeqGene-20160128" ]] TCGA-AL-3466-01A-02R-1351-07 ...
...
<3 more elements>
```

Sizes of each ExperimentList element:

		assay size.Mb
1	KIRP_CNASNP-20160128	8.2 Mb
2	KIRP_CNVSNP-20160128	1.4 Mb
3	KIRP_GISTIC_AllByGene-20160128	4.9 Mb
4	KIRP_GISTIC_Peaks-20160128	0.1 Mb
5	KIRP_GISTIC_ThresholdedByGene-20160128	4.9 Mb
6	KIRP_miRNASeqGene-20160128	0.1 Mb
7	KIRP_mRNAArray-20160128	1.1 Mb
8	KIRP_Mutation-20160128	10.6 Mb
9	KIRP_RNASeq2GeneNorm-20160128	1.3 Mb
10	KIRP_RNASeqGene-20160128	1.3 Mb
11	KIRP_RPPAArray-20160128	0 Mb
12	KIRP_Methylation_methyl27-20160128	4.9 Mb
13	KIRP_Methylation_methyl450-20160128	75 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
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                asian
                        2                        6
black or african american                        white
                        61                       207
                        NA's
                        15

ethnicity:
  hispanic or latino not hispanic or latino      NA's
                        12                       243                       36
```

Including an additional 1686 columns

See Also

[KIRP-v2.0.1](#)

KIRP-v2.0.1	<i>Kidney renal papillary cell carcinoma</i>
-------------	--

Description

A document describing the TCGA cancer code

Details

```
> experiments( KIRP )
ExperimentList class object of length 14:
[1] KIRP_CNASNP-20160128: RaggedExperiment with 300681 rows and 593 columns
[2] KIRP_CNVSNP-20160128: RaggedExperiment with 46914 rows and 590 columns
[3] KIRP_GISTIC_AllByGene-20160128: SummarizedExperiment with 24776 rows and 288 columns
[4] KIRP_GISTIC_Peaks-20160128: RangedSummarizedExperiment with 28 rows and 288 columns
[5] KIRP_GISTIC_ThresholdedByGene-20160128: SummarizedExperiment with 24776 rows and 288 columns
[6] KIRP_miRNASeqGene-20160128: SummarizedExperiment with 1046 rows and 326 columns
[7] KIRP_mRNAArray-20160128: SummarizedExperiment with 17814 rows and 16 columns
[8] KIRP_Mutation-20160128: RaggedExperiment with 15585 rows and 161 columns
[9] KIRP_RNASeq2Gene-20160128: SummarizedExperiment with 20501 rows and 323 columns
```

```
[10] KIRP_RNASeq2GeneNorm-20160128: SummarizedExperiment with 20501 rows and 323 columns
[11] KIRP_RNASeqGene-20160128: SummarizedExperiment with 20502 rows and 14 columns
[12] KIRP_RPPAArray-20160128: SummarizedExperiment with 195 rows and 216 columns
[13] KIRP_Methylation_methyl27-20160128: SummarizedExperiment with 27578 rows and 21 columns
[14] KIRP_Methylation_methyl450-20160128: SummarizedExperiment with 485577 rows and 321 columns
```

```
> rownames( KIRP )
CharacterList of length 14
[["KIRP_CNASNP-20160128"]] character(0)
[["KIRP_CNVSNP-20160128"]] character(0)
[["KIRP_GISTIC_AllByGene-20160128"]] character(0)
[["KIRP_GISTIC_Peaks-20160128"]] 8 9 1 10 2 11 12 3 ... 22 24 25 7 26 27 28
[["KIRP_GISTIC_ThresholdedByGene-20160128"]] character(0)
[["KIRP_miRNASeqGene-20160128"]] hsa-let-7a-1 hsa-let-7a-2 ... hsa-mir-99b
[["KIRP_mRNAArray-20160128"]] ELMO2 CREB3L1 RPS11 PNMA1 ... SNRPD2 AQP7 CTSC
[["KIRP_Mutation-20160128"]] character(0)
[["KIRP_RNASeq2Gene-20160128"]] A1BG A1CF A2BP1 A2LD1 ... ZZZ3 psiTPTE22 tAKR
[["KIRP_RNASeq2GeneNorm-20160128"]] A1BG A1CF A2BP1 ... ZZZ3 psiTPTE22 tAKR
...
<4 more elements>
```

```
> colnames( KIRP )
CharacterList of length 14
[["KIRP_CNASNP-20160128"]] TCGA-2K-A9WE-01A-11D-A381-01 ...
[["KIRP_CNVSNP-20160128"]] TCGA-2K-A9WE-01A-11D-A381-01 ...
[["KIRP_GISTIC_AllByGene-20160128"]] TCGA-2K-A9WE-01A-11D-A381-01 ...
[["KIRP_GISTIC_Peaks-20160128"]] TCGA-2K-A9WE-01A-11D-A381-01 ...
[["KIRP_GISTIC_ThresholdedByGene-20160128"]] TCGA-2K-A9WE-01A-11D-A381-01 ...
[["KIRP_miRNASeqGene-20160128"]] TCGA-2K-A9WE-01A-11R-A38N-13 ...
[["KIRP_mRNAArray-20160128"]] TCGA-AL-3466-01A-01R-1193-07 ...
[["KIRP_Mutation-20160128"]] TCGA-A4-7286-01A-11D-2136-08 ...
[["KIRP_RNASeq2Gene-20160128"]] TCGA-2K-A9WE-01A-11R-A38C-07 ...
[["KIRP_RNASeq2GeneNorm-20160128"]] TCGA-2K-A9WE-01A-11R-A38C-07 ...
...
<4 more elements>
```

Sizes of each ExperimentList element:

		assay size.Mb
1	KIRP_CNASNP-20160128	8.2 Mb
2	KIRP_CNVSNP-20160128	1.4 Mb
3	KIRP_GISTIC_AllByGene-20160128	58 Mb
4	KIRP_GISTIC_Peaks-20160128	0.2 Mb
5	KIRP_GISTIC_ThresholdedByGene-20160128	57.8 Mb
6	KIRP_miRNASeqGene-20160128	2.8 Mb
7	KIRP_mRNAArray-20160128	4.4 Mb
8	KIRP_Mutation-20160128	10.6 Mb
9	KIRP_RNASeq2Gene-20160128	53.1 Mb
10	KIRP_RNASeq2GeneNorm-20160128	53.1 Mb
11	KIRP_RNASeqGene-20160128	4.7 Mb
12	KIRP_RPPAArray-20160128	0.4 Mb
13	KIRP_Methylation_methyl27-20160128	4.9 Mb

14 KIRP_Methylation_methyl450-20160128 75 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
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
--------------------	----	------------------------	-----	------	----

Including an additional 1686 columns

KIRP-v2.1.0

Kidney renal papillary cell carcinoma

Description

A document describing the TCGA cancer code


```

2           KIRP_CNVSNP-20160128  1.4 Mb
3       KIRP_GISTIC_AllByGene-20160128  58 Mb
4           KIRP_GISTIC_Peaks-20160128  0.2 Mb
5 KIRP_GISTIC_ThresholdedByGene-20160128 57.8 Mb
6           KIRP_mRNAArray-20160128  4.4 Mb
7           KIRP_Mutation-20160128 10.6 Mb
8       KIRP_RNASeq2Gene-20160128 53.1 Mb
9       KIRP_RNASeqGene-20160128  4.7 Mb
10          KIRP_RPPAArray-20160128  0.4 Mb
11       KIRP_miRNASeqGene-20160128  2.8 Mb
12       KIRP_RNASeq2GeneNorm-20160128 46.8 Mb
13 KIRP_Methylation_methyl27-20160128  4.9 Mb
14 KIRP_Methylation_methyl450-20160128  75 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
[1,] 44      44      1.76      1.35      3.6

```

```

-----
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	not hispanic or latino	NA's
12	243	36

Including an additional 1686 columns

LAML

Acute Myeloid Leukemia

Description

A document describing the TCGA cancer code

Details

```
> experiments( LAML )
ExperimentList class object of length 10:
 [1] LAML_CNASNP-20160128: RaggedExperiment with 874897 rows and 392 columns
 [2] LAML_CNVSNP-20160128: RaggedExperiment with 28324 rows and 380 columns
 [3] LAML_GISTIC_AllByGene-20160128: SummarizedExperiment with 24776 rows and 191 columns
 [4] LAML_GISTIC_Peaks-20160128: RangedSummarizedExperiment with 16 rows and 191 columns
 [5] LAML_GISTIC_ThresholdedByGene-20160128: SummarizedExperiment with 24776 rows and 191 columns
 [6] LAML_Mutation-20160128: RaggedExperiment with 2585 rows and 197 columns
 [7] LAML_RNASeq2GeneNorm-20160128: SummarizedExperiment with 20501 rows and 173 columns
 [8] LAML_RNASeqGene-20160128: SummarizedExperiment with 19990 rows and 179 columns
 [9] LAML_Methylation_methyl27-20160128: SummarizedExperiment with 27578 rows and 194 columns
[10] LAML_Methylation_methyl450-20160128: SummarizedExperiment with 485577 rows and 194 columns

> rownames( LAML )
CharacterList of length 10
[["LAML_CNASNP-20160128"]] character(0)
[["LAML_CNVSNP-20160128"]] character(0)
[["LAML_GISTIC_AllByGene-20160128"]] ACAP3 ... WASIR1|ENSG00000185203.7
[["LAML_GISTIC_Peaks-20160128"]] chr1:47516423-47533836 ...
[["LAML_GISTIC_ThresholdedByGene-20160128"]] ACAP3 ...
[["LAML_Mutation-20160128"]] character(0)
[["LAML_RNASeq2GeneNorm-20160128"]] A1BG A1CF A2BP1 ... ZZZ3 psiTPTE22 tAKR
[["LAML_RNASeqGene-20160128"]] AADACL3 AADACL4 ABCA4 ... XGPY2 XKRY2 ZFY
[["LAML_Methylation_methyl27-20160128"]] cg00000292 cg000002426 ... cg27665659
[["LAML_Methylation_methyl450-20160128"]] cg00000029 cg00000108 ... rs9839873

> colnames( LAML )
CharacterList of length 10
[["LAML_CNASNP-20160128"]] TCGA-AB-2802-03A-01D-0756-21 ...
[["LAML_CNVSNP-20160128"]] TCGA-AB-2803-03A-01D-0756-21 ...
[["LAML_GISTIC_AllByGene-20160128"]] TCGA-AB-2803-03A-01D-0756-21 ...
[["LAML_GISTIC_Peaks-20160128"]] TCGA-AB-2803-03A-01D-0756-21 ...
[["LAML_GISTIC_ThresholdedByGene-20160128"]] TCGA-AB-2803-03A-01D-0756-21 ...
[["LAML_Mutation-20160128"]] TCGA-AB-2802-03B-01W-0728-08 ...
[["LAML_RNASeq2GeneNorm-20160128"]] TCGA-AB-2803-03A-01T-0734-13 ...
[["LAML_RNASeqGene-20160128"]] TCGA-AB-2803-03A-01T-0734-13 ...
[["LAML_Methylation_methyl27-20160128"]] TCGA-AB-2802-03A-01D-0741-05 ...
```

```
[[ "LAML_Methylation_methyl450-20160128" ]] TCGA-AB-2802-03A-01D-0741-05 ...
```

Sizes of each ExperimentList element:

		assay	size.Mb
1		LAML_CNASNP-20160128	23.5 Mb
2		LAML_CNVSNP-20160128	0.9 Mb
3		LAML_GISTIC_AllByGene-20160128	4.9 Mb
4		LAML_GISTIC_Peaks-20160128	0 Mb
5		LAML_GISTIC_ThresholdedByGene-20160128	4.9 Mb
6		LAML_Mutation-20160128	2.8 Mb
7		LAML_RNASeq2GeneNorm-20160128	1.3 Mb
8		LAML_RNASeqGene-20160128	1.3 Mb
9		LAML_Methylation_methyl27-20160128	4.9 Mb
10		LAML_Methylation_methyl450-20160128	75 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
199	1

gender:

female	male
91	109

date_of_initial_pathologic_diagnosis:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.
2001	2004	2006	2006	2008	2010

race:

asian	black or african american	white
2	15	181
NA's		
2		

ethnicity:

hispanic or latino	not hispanic or latino	NA's
3	194	3

Including an additional 478 columns

See Also

[LAML-v2.0.1](#)

LAML-v2.0.1

Acute Myeloid Leukemia

Description

A document describing the TCGA cancer code

Details

```
> experiments( LAML )
ExperimentList class object of length 11:
 [1] LAML_CNASNP-20160128: RaggedExperiment with 874897 rows and 392 columns
 [2] LAML_CNVSNP-20160128: RaggedExperiment with 28324 rows and 380 columns
 [3] LAML_GISTIC_AllByGene-20160128: SummarizedExperiment with 24776 rows and 191 columns
 [4] LAML_GISTIC_Peaks-20160128: RangedSummarizedExperiment with 16 rows and 191 columns
 [5] LAML_GISTIC_ThresholdedByGene-20160128: SummarizedExperiment with 24776 rows and 191 columns
 [6] LAML_Mutation-20160128: RaggedExperiment with 2585 rows and 197 columns
 [7] LAML_RNASeq2Gene-20160128: SummarizedExperiment with 20501 rows and 173 columns
 [8] LAML_RNASeq2GeneNorm-20160128: SummarizedExperiment with 20501 rows and 173 columns
 [9] LAML_RNASeqGene-20160128: SummarizedExperiment with 19990 rows and 179 columns
[10] LAML_Methylation_methyl27-20160128: SummarizedExperiment with 27578 rows and 194 columns
[11] LAML_Methylation_methyl450-20160128: SummarizedExperiment with 485577 rows and 194 columns

> rownames( LAML )
CharacterList of length 11
[["LAML_CNASNP-20160128"]] character(0)
[["LAML_CNVSNP-20160128"]] character(0)
```

```

[["LAML_GISTIC_AllByGene-20160128"]] character(0)
[["LAML_GISTIC_Peaks-20160128"]] 1 5 6 7 8 9 2 10 11 12 13 14 15 3 16 4
[["LAML_GISTIC_ThresholdedByGene-20160128"]] character(0)
[["LAML_Mutation-20160128"]] character(0)
[["LAML_RNASeq2Gene-20160128"]] A1BG A1CF A2BP1 A2LD1 ... ZZZ3 psiTPTE22 tAKR
[["LAML_RNASeq2GeneNorm-20160128"]] A1BG A1CF A2BP1 ... ZZZ3 psiTPTE22 tAKR
[["LAML_RNASeqGene-20160128"]] AADACL3 AADACL4 ABCA4 ... XGPY2 XKRY2 ZFY
[["LAML_Methylation_methyl27-20160128"]] cg00000292 cg000002426 ... cg27665659
...
<1 more element>

```

```

> colnames( LAML )
CharacterList of length 11
[["LAML_CNASNP-20160128"]] TCGA-AB-2802-03A-01D-0756-21 ...
[["LAML_CNVSNP-20160128"]] TCGA-AB-2803-03A-01D-0756-21 ...
[["LAML_GISTIC_AllByGene-20160128"]] TCGA-AB-2803-03A-01D-0756-21 ...
[["LAML_GISTIC_Peaks-20160128"]] TCGA-AB-2803-03A-01D-0756-21 ...
[["LAML_GISTIC_ThresholdedByGene-20160128"]] TCGA-AB-2803-03A-01D-0756-21 ...
[["LAML_Mutation-20160128"]] TCGA-AB-2802-03B-01W-0728-08 ...
[["LAML_RNASeq2Gene-20160128"]] TCGA-AB-2803-03A-01T-0734-13 ...
[["LAML_RNASeq2GeneNorm-20160128"]] TCGA-AB-2803-03A-01T-0734-13 ...
[["LAML_RNASeqGene-20160128"]] TCGA-AB-2803-03A-01T-0734-13 ...
[["LAML_Methylation_methyl27-20160128"]] TCGA-AB-2802-03A-01D-0741-05 ...
...
<1 more element>

```

Sizes of each ExperimentList element:

		assay size.Mb
1	LAML_CNASNP-20160128	23.5 Mb
2	LAML_CNVSNP-20160128	0.9 Mb
3	LAML_GISTIC_AllByGene-20160128	39.5 Mb
4	LAML_GISTIC_Peaks-20160128	0.1 Mb
5	LAML_GISTIC_ThresholdedByGene-20160128	39.5 Mb
6	LAML_Mutation-20160128	2.8 Mb
7	LAML_RNASeq2Gene-20160128	29.6 Mb
8	LAML_RNASeq2GeneNorm-20160128	29.6 Mb
9	LAML_RNASeqGene-20160128	29.8 Mb
10	LAML_Methylation_methyl27-20160128	4.9 Mb
11	LAML_Methylation_methyl450-20160128	75 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
199	1

gender:

female	male
91	109

date_of_initial_pathologic_diagnosis:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.
2001	2004	2006	2006	2008	2010

race:

asian	black or african american	white
2	15	181
NA's		
2		

ethnicity:

hispanic or latino	not hispanic or latino	NA's
3	194	3

Including an additional 478 columns

Description

A document describing the TCGA cancer code

Details

```

> experiments( LAML )
ExperimentList class object of length 11:
 [1] LAML_CNASNP-20160128: RaggedExperiment with 874897 rows and 392 columns
 [2] LAML_CNVSNP-20160128: RaggedExperiment with 28324 rows and 380 columns
 [3] LAML_GISTIC_AllByGene-20160128: SummarizedExperiment with 24776 rows and 191 columns
 [4] LAML_GISTIC_Peaks-20160128: RangedSummarizedExperiment with 16 rows and 191 columns
 [5] LAML_GISTIC_ThresholdedByGene-20160128: SummarizedExperiment with 24776 rows and 191 columns
 [6] LAML_Mutation-20160128: RaggedExperiment with 2585 rows and 197 columns
 [7] LAML_RNASeq2Gene-20160128: SummarizedExperiment with 20501 rows and 173 columns
 [8] LAML_RNASeqGene-20160128: SummarizedExperiment with 19990 rows and 179 columns
 [9] LAML_RNASeq2GeneNorm-20160128: SummarizedExperiment with 17258 rows and 173 columns
[10] LAML_Methylation_methyl27-20160128: SummarizedExperiment with 27578 rows and 194 columns
[11] LAML_Methylation_methyl450-20160128: SummarizedExperiment with 485577 rows and 194 columns

> rownames( LAML )
CharacterList of length 11
[["LAML_CNASNP-20160128"]] character(0)
[["LAML_CNVSNP-20160128"]] character(0)
[["LAML_GISTIC_AllByGene-20160128"]] character(0)
[["LAML_GISTIC_Peaks-20160128"]] 1 5 6 7 8 9 2 10 11 12 13 14 15 3 16 4
[["LAML_GISTIC_ThresholdedByGene-20160128"]] character(0)
[["LAML_Mutation-20160128"]] character(0)
[["LAML_RNASeq2Gene-20160128"]] A1BG A1CF A2BP1 A2LD1 ... ZZZ3 psiTPTE22 tAKR
[["LAML_RNASeqGene-20160128"]] AADACL3 AADACL4 ABCA4 ... XGPY2 XKRY2 ZFY
[["LAML_RNASeq2GeneNorm-20160128"]] A1BG A2LD1 A2ML1 ... ZZZ3 psiTPTE22 tAKR
[["LAML_Methylation_methyl27-20160128"]] cg00000292 cg000002426 ... cg27665659
...
<1 more element>

> colnames( LAML )
CharacterList of length 11
[["LAML_CNASNP-20160128"]] TCGA-AB-2802-03A-01D-0756-21 ...
[["LAML_CNVSNP-20160128"]] TCGA-AB-2803-03A-01D-0756-21 ...
[["LAML_GISTIC_AllByGene-20160128"]] TCGA-AB-2803-03A-01D-0756-21 ...
[["LAML_GISTIC_Peaks-20160128"]] TCGA-AB-2803-03A-01D-0756-21 ...
[["LAML_GISTIC_ThresholdedByGene-20160128"]] TCGA-AB-2803-03A-01D-0756-21 ...
[["LAML_Mutation-20160128"]] TCGA-AB-2802-03B-01W-0728-08 ...
[["LAML_RNASeq2Gene-20160128"]] TCGA-AB-2803-03A-01T-0734-13 ...
[["LAML_RNASeqGene-20160128"]] TCGA-AB-2803-03A-01T-0734-13 ...
[["LAML_RNASeq2GeneNorm-20160128"]] TCGA-AB-2803-03 ... TCGA-AB-3012-03
[["LAML_Methylation_methyl27-20160128"]] TCGA-AB-2802-03A-01D-0741-05 ...
...
<1 more element>

```

Sizes of each ExperimentList element:

		assay size.Mb
1	LAML_CNASNP-20160128	23.5 Mb
2	LAML_CNVSNP-20160128	0.9 Mb
3	LAML_GISTIC_AllByGene-20160128	39.5 Mb
4	LAML_GISTIC_Peaks-20160128	0.1 Mb

```

5  LAML_GISTIC_ThresholdedByGene-20160128 39.5 Mb
6          LAML_Mutation-20160128 2.8 Mb
7          LAML_RNASeq2Gene-20160128 29.6 Mb
8          LAML_RNASeqGene-20160128 29.8 Mb
9          LAML_RNASeq2GeneNorm-20160128 24.9 Mb
10 LAML_Methylation_methyl27-20160128 4.9 Mb
11 LAML_Methylation_methyl450-20160128 75 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
[1,] 120    120 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
199	1

```

gender:

```

female	male
91	109

```

date_of_initial_pathologic_diagnosis:

```

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.
2001	2004	2006	2006	2008	2010

```

race:
      asian black or african american      white
      2              15              181
      NA's
      2

```

```

ethnicity:
  hispanic or latino not hispanic or latino      NA's
      3              194              3

```

Including an additional 478 columns

LGG	<i>Brain Lower Grade Glioma</i>
-----	---------------------------------

Description

A document describing the TCGA cancer code

Details

```

> experiments( LGG )
ExperimentList class object of length 12:
 [1] LGG_CNASeq-20160128: RaggedExperiment with 6360 rows and 104 columns
 [2] LGG_CNASNP-20160128: RaggedExperiment with 411918 rows and 1015 columns
 [3] LGG_CNVSNP-20160128: RaggedExperiment with 79791 rows and 1015 columns
 [4] LGG_GISTIC_AllByGene-20160128: SummarizedExperiment with 24776 rows and 513 columns
 [5] LGG_GISTIC_Peaks-20160128: RangedSummarizedExperiment with 46 rows and 513 columns
 [6] LGG_GISTIC_ThresholdedByGene-20160128: SummarizedExperiment with 24776 rows and 513 columns
 [7] LGG_miRNASeqGene-20160128: SummarizedExperiment with 1046 rows and 526 columns
 [8] LGG_mRNAArray-20160128: SummarizedExperiment with 17814 rows and 27 columns
 [9] LGG_Mutation-20160128: RaggedExperiment with 9885 rows and 286 columns
[10] LGG_RNASeq2GeneNorm-20160128: SummarizedExperiment with 20501 rows and 530 columns
[11] LGG_RPPAArray-20160128: SummarizedExperiment with 201 rows and 435 columns
[12] LGG_Methylation-20160128: SummarizedExperiment with 485577 rows and 530 columns

> rownames( LGG )
CharacterList of length 12
[["LGG_CNASeq-20160128"]] character(0)
[["LGG_CNASNP-20160128"]] character(0)
[["LGG_CNVSNP-20160128"]] character(0)
[["LGG_GISTIC_AllByGene-20160128"]] ACAP3 ACTRT2 ... WASIR1|ENSG00000185203.7
[["LGG_GISTIC_Peaks-20160128"]] chr1:3814904-5625565 ...
[["LGG_GISTIC_ThresholdedByGene-20160128"]] ACAP3 ...
[["LGG_miRNASeqGene-20160128"]] hsa-let-7a-1 hsa-let-7a-2 ... hsa-mir-99b
[["LGG_mRNAArray-20160128"]] ELMO2 CREB3L1 RPS11 PNMA1 ... SNRPD2 AQP7 CTSC
[["LGG_Mutation-20160128"]] character(0)
[["LGG_RNASeq2GeneNorm-20160128"]] A1BG A1CF A2BP1 ... ZZZ3 psiTPTE22 tAKR
...
<2 more elements>

```

```
> colnames( LGG )
CharacterList of length 12
[["LGG_CNASeq-20160128"]] TCGA-CS-4938-01B-11D-1891-02 ...
[["LGG_CNASNP-20160128"]] TCGA-CS-4938-01B-11D-1892-01 ...
[["LGG_CNVSNP-20160128"]] TCGA-CS-4938-01B-11D-1892-01 ...
[["LGG_GISTIC_AllByGene-20160128"]] TCGA-CS-4938-01B-11D-1892-01 ...
[["LGG_GISTIC_Peaks-20160128"]] TCGA-CS-4938-01B-11D-1892-01 ...
[["LGG_GISTIC_ThresholdedByGene-20160128"]] TCGA-CS-4938-01B-11D-1892-01 ...
[["LGG_miRNASeqGene-20160128"]] TCGA-CS-4938-01B-11R-1895-13 ...
[["LGG_mRNAArray-20160128"]] TCGA-CS-4942-01A-01R-1470-07 ...
[["LGG_Mutation-20160128"]] TCGA-CS-4938-01B-11D-1893-08 ...
[["LGG_RNASeq2GeneNorm-20160128"]] TCGA-CS-4938-01B-11R-1896-07 ...
...
<2 more elements>
```

Sizes of each ExperimentList element:

		assay size.Mb
1	LGG_CNASeq-20160128	0.2 Mb
2	LGG_CNASNP-20160128	11.3 Mb
3	LGG_CNVSNP-20160128	2.4 Mb
4	LGG_GISTIC_AllByGene-20160128	4.9 Mb
5	LGG_GISTIC_Peaks-20160128	0.1 Mb
6	LGG_GISTIC_ThresholdedByGene-20160128	4.9 Mb
7	LGG_miRNASeqGene-20160128	0.1 Mb
8	LGG_mRNAArray-20160128	1.1 Mb
9	LGG_Mutation-20160128	4.2 Mb
10	LGG_RNASeq2GeneNorm-20160128	1.3 Mb
11	LGG_RPPAArray-20160128	0.1 Mb
12	LGG_Methylation-20160128	75.1 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

```

Including an additional 1764 columns

See Also

[LGG-v2.0.1](#)

Description

A document describing the TCGA cancer code

Details

```
> experiments( LGG )
ExperimentList class object of length 13:
 [1] LGG_CNASeq-20160128: RaggedExperiment with 6360 rows and 104 columns
 [2] LGG_CNASNP-20160128: RaggedExperiment with 411918 rows and 1015 columns
 [3] LGG_CNVSNP-20160128: RaggedExperiment with 79791 rows and 1015 columns
 [4] LGG_GISTIC_AllByGene-20160128: SummarizedExperiment with 24776 rows and 513 columns
 [5] LGG_GISTIC_Peaks-20160128: RangedSummarizedExperiment with 46 rows and 513 columns
 [6] LGG_GISTIC_ThresholdedByGene-20160128: SummarizedExperiment with 24776 rows and 513 columns
 [7] LGG_miRNASeqGene-20160128: SummarizedExperiment with 1046 rows and 526 columns
 [8] LGG_mRNAArray-20160128: SummarizedExperiment with 17814 rows and 27 columns
 [9] LGG_Mutation-20160128: RaggedExperiment with 9885 rows and 286 columns
[10] LGG_RNASeq2Gene-20160128: SummarizedExperiment with 20501 rows and 530 columns
[11] LGG_RNASeq2GeneNorm-20160128: SummarizedExperiment with 20501 rows and 530 columns
[12] LGG_RPPAArray-20160128: SummarizedExperiment with 201 rows and 435 columns
[13] LGG_Methylation-20160128: SummarizedExperiment with 485577 rows and 530 columns

> rownames( LGG )
CharacterList of length 13
[["LGG_CNASeq-20160128"]] character(0)
[["LGG_CNASNP-20160128"]] character(0)
[["LGG_CNVSNP-20160128"]] character(0)
[["LGG_GISTIC_AllByGene-20160128"]] character(0)
[["LGG_GISTIC_Peaks-20160128"]] 21 22 1 2 23 3 24 25 ... 45 16 17 46 18 47 48
[["LGG_GISTIC_ThresholdedByGene-20160128"]] character(0)
[["LGG_miRNASeqGene-20160128"]] hsa-let-7a-1 hsa-let-7a-2 ... hsa-mir-99b
[["LGG_mRNAArray-20160128"]] ELMO2 CREB3L1 RPS11 PNMA1 ... SNRPD2 AQP7 CTSC
[["LGG_Mutation-20160128"]] character(0)
[["LGG_RNASeq2Gene-20160128"]] A1BG A1CF A2BP1 A2LD1 ... ZZZ3 psiTPTE22 tAKR
...
<3 more elements>

> colnames( LGG )
CharacterList of length 13
[["LGG_CNASeq-20160128"]] TCGA-CS-4938-01B-11D-1891-02 ...
[["LGG_CNASNP-20160128"]] TCGA-CS-4938-01B-11D-1892-01 ...
[["LGG_CNVSNP-20160128"]] TCGA-CS-4938-01B-11D-1892-01 ...
[["LGG_GISTIC_AllByGene-20160128"]] TCGA-CS-4938-01B-11D-1892-01 ...
[["LGG_GISTIC_Peaks-20160128"]] TCGA-CS-4938-01B-11D-1892-01 ...
[["LGG_GISTIC_ThresholdedByGene-20160128"]] TCGA-CS-4938-01B-11D-1892-01 ...
[["LGG_miRNASeqGene-20160128"]] TCGA-CS-4938-01B-11R-1895-13 ...
[["LGG_mRNAArray-20160128"]] TCGA-CS-4942-01A-01R-1470-07 ...
[["LGG_Mutation-20160128"]] TCGA-CS-4938-01B-11D-1893-08 ...
```

```
[[ "LGG_RNASeq2Gene-20160128" ]] TCGA-CS-4938-01B-11R-1896-07 ...
...
<3 more elements>
```

Sizes of each ExperimentList element:

	assay	size.Mb
1	LGG_CNASeq-20160128	0.2 Mb
2	LGG_CNASNP-20160128	11.3 Mb
3	LGG_CNVSNP-20160128	2.4 Mb
4	LGG_GISTIC_AllByGene-20160128	100.5 Mb
5	LGG_GISTIC_Peaks-20160128	0.3 Mb
6	LGG_GISTIC_ThresholdedByGene-20160128	100.4 Mb
7	LGG_miRNASeqGene-20160128	4.4 Mb
8	LGG_mRNAArray-20160128	5.9 Mb
9	LGG_Mutation-20160128	4.2 Mb
10	LGG_RNASeq2Gene-20160128	85.5 Mb
11	LGG_RNASeq2GeneNorm-20160128	85.5 Mb
12	LGG_RPPAArray-20160128	0.8 Mb
13	LGG_Methylation-20160128	75.1 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

Including an additional 1764 columns

```

LGG-v2.1.0

*Brain Lower Grade Glioma***Description**

A document describing the TCGA cancer code

Details

```

> experiments( LGG )
ExperimentList class object of length 13:
[1] LGG_CNASeq-20160128: RaggedExperiment with 6360 rows and 104 columns

```

```

[2] LGG_CNASNP-20160128: RaggedExperiment with 411918 rows and 1015 columns
[3] LGG_CNVSNP-20160128: RaggedExperiment with 79791 rows and 1015 columns
[4] LGG_GISTIC_AllByGene-20160128: SummarizedExperiment with 24776 rows and 513 columns
[5] LGG_GISTIC_Peaks-20160128: RangedSummarizedExperiment with 46 rows and 513 columns
[6] LGG_GISTIC_ThresholdedByGene-20160128: SummarizedExperiment with 24776 rows and 513 columns
[7] LGG_mRNAArray-20160128: SummarizedExperiment with 17814 rows and 27 columns
[8] LGG_Mutation-20160128: RaggedExperiment with 9885 rows and 286 columns
[9] LGG_RNASeq2Gene-20160128: SummarizedExperiment with 20501 rows and 530 columns
[10] LGG_RPPAArray-20160128: SummarizedExperiment with 201 rows and 435 columns
[11] LGG_miRNASeqGene-20160128: SummarizedExperiment with 1046 rows and 526 columns
[12] LGG_RNASeq2GeneNorm-20160128: SummarizedExperiment with 18311 rows and 530 columns
[13] LGG_Methylation-20160128: SummarizedExperiment with 485577 rows and 530 columns

```

```

> rownames( LGG )
CharacterList of length 13
[["LGG_CNASeq-20160128"]] character(0)
[["LGG_CNASNP-20160128"]] character(0)
[["LGG_CNVSNP-20160128"]] character(0)
[["LGG_GISTIC_AllByGene-20160128"]] character(0)
[["LGG_GISTIC_Peaks-20160128"]] 21 22 1 2 23 3 24 25 ... 45 16 17 46 18 47 48
[["LGG_GISTIC_ThresholdedByGene-20160128"]] character(0)
[["LGG_mRNAArray-20160128"]] ELMO2 CREB3L1 RPS11 PNMA1 ... SNRPD2 AQP7 CTSC
[["LGG_Mutation-20160128"]] character(0)
[["LGG_RNASeq2Gene-20160128"]] A1BG A1CF A2BP1 A2LD1 ... ZZZ3 psiTPTE22 TAKR
[["LGG_RPPAArray-20160128"]] 14-3-3_beta 14-3-3_epsilon ... p90RSK_pT359_S363
...
<3 more elements>

```

```

> colnames( LGG )
CharacterList of length 13
[["LGG_CNASeq-20160128"]] TCGA-CS-4938-01B-11D-1891-02 ...
[["LGG_CNASNP-20160128"]] TCGA-CS-4938-01B-11D-1892-01 ...
[["LGG_CNVSNP-20160128"]] TCGA-CS-4938-01B-11D-1892-01 ...
[["LGG_GISTIC_AllByGene-20160128"]] TCGA-CS-4938-01B-11D-1892-01 ...
[["LGG_GISTIC_Peaks-20160128"]] TCGA-CS-4938-01B-11D-1892-01 ...
[["LGG_GISTIC_ThresholdedByGene-20160128"]] TCGA-CS-4938-01B-11D-1892-01 ...
[["LGG_mRNAArray-20160128"]] TCGA-CS-4942-01A-01R-1470-07 ...
[["LGG_Mutation-20160128"]] TCGA-CS-4938-01B-11D-1893-08 ...
[["LGG_RNASeq2Gene-20160128"]] TCGA-CS-4938-01B-11R-1896-07 ...
[["LGG_RPPAArray-20160128"]] TCGA-CS-4938-01B-11-A300-20 ...
...
<3 more elements>

```

Sizes of each ExperimentList element:

	assay	size.Mb
1	LGG_CNASeq-20160128	0.2 Mb
2	LGG_CNASNP-20160128	11.3 Mb
3	LGG_CNVSNP-20160128	2.4 Mb
4	LGG_GISTIC_AllByGene-20160128	100.5 Mb
5	LGG_GISTIC_Peaks-20160128	0.3 Mb
6	LGG_GISTIC_ThresholdedByGene-20160128	100.4 Mb

7	LGG_mRNAArray-20160128	5.9 Mb
8	LGG_Mutation-20160128	4.2 Mb
9	LGG_RNASeq2Gene-20160128	85.5 Mb
10	LGG_RPPAArray-20160128	0.8 Mb
11	LGG_miRNASeqGene-20160128	4.4 Mb
12	LGG_RNASeq2GeneNorm-20160128	76.4 Mb
13	LGG_Methylation-20160128	75.1 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
[1,] 125 125 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

Including an additional 1764 columns

LIHC

Liver hepatocellular carcinoma

Description

A document describing the TCGA cancer code

Details

```
> experiments( LIHC )
ExperimentList class object of length 11:
 [1] LIHC_CNASNP-20160128: RaggedExperiment with 363628 rows and 760 columns
 [2] LIHC_CNVSNP-20160128: RaggedExperiment with 93328 rows and 760 columns
 [3] LIHC_GISTIC_AllByGene-20160128: SummarizedExperiment with 24776 rows and 370 columns
 [4] LIHC_GISTIC_Peaks-20160128: RangedSummarizedExperiment with 59 rows and 370 columns
 [5] LIHC_GISTIC_ThresholdedByGene-20160128: SummarizedExperiment with 24776 rows and 370 columns
 [6] LIHC_miRNASeqGene-20160128: SummarizedExperiment with 1046 rows and 424 columns
 [7] LIHC_Mutation-20160128: RaggedExperiment with 27892 rows and 198 columns
 [8] LIHC_RNASeq2GeneNorm-20160128: SummarizedExperiment with 20501 rows and 423 columns
 [9] LIHC_RNASeqGene-20160128: SummarizedExperiment with 20502 rows and 26 columns
[10] LIHC_RPPAArray-20160128: SummarizedExperiment with 219 rows and 184 columns
[11] LIHC_Methylation-20160128: SummarizedExperiment with 485577 rows and 429 columns

> rownames( LIHC )
CharacterList of length 11
```

```

[["LIHC_CNASNP-20160128"]] character(0)
[["LIHC_CNVSNP-20160128"]] character(0)
[["LIHC_GISTIC_AllByGene-20160128"]] ACAP3 ... WASIR1|ENSG00000185203.7
[["LIHC_GISTIC_Peaks-20160128"]] chr1:1-6847369 ... chr22:44205320-51304566
[["LIHC_GISTIC_ThresholdedByGene-20160128"]] ACAP3 ...
[["LIHC_miRNASeqGene-20160128"]] hsa-let-7a-1 hsa-let-7a-2 ... hsa-mir-99b
[["LIHC_Mutation-20160128"]] character(0)
[["LIHC_RNASeq2GeneNorm-20160128"]] A1BG A1CF A2BP1 ... ZZZ3 psiTPTE22 tAKR
[["LIHC_RNASeqGene-20160128"]] A1BG A1CF A2BP1 A2LD1 ... ZZZ3 psiTPTE22 tAKR
[["LIHC_RPPAArray-20160128"]] 14-3-3_beta ... p90RSK_pT359_S363
...
<1 more element>

> colnames( LIHC )
CharacterList of length 11
[["LIHC_CNASNP-20160128"]] TCGA-2V-A95S-01A-11D-A36W-01 ...
[["LIHC_CNVSNP-20160128"]] TCGA-2V-A95S-01A-11D-A36W-01 ...
[["LIHC_GISTIC_AllByGene-20160128"]] TCGA-2V-A95S-01A-11D-A36W-01 ...
[["LIHC_GISTIC_Peaks-20160128"]] TCGA-2V-A95S-01A-11D-A36W-01 ...
[["LIHC_GISTIC_ThresholdedByGene-20160128"]] TCGA-2V-A95S-01A-11D-A36W-01 ...
[["LIHC_miRNASeqGene-20160128"]] TCGA-2V-A95S-01A-11R-A37G-13 ...
[["LIHC_Mutation-20160128"]] TCGA-BC-4073-01B-02D-A12Z-10 ...
[["LIHC_RNASeq2GeneNorm-20160128"]] TCGA-2V-A95S-01A-11R-A37K-07 ...
[["LIHC_RNASeqGene-20160128"]] TCGA-BC-4073-01B-02R-A131-07 ...
[["LIHC_RPPAArray-20160128"]] TCGA-BC-4072-01B-21-A40L-20 ...
...
<1 more element>

```

Sizes of each ExperimentList element:

		assay size.Mb
1	LIHC_CNASNP-20160128	9.9 Mb
2	LIHC_CNVSNP-20160128	2.7 Mb
3	LIHC_GISTIC_AllByGene-20160128	4.9 Mb
4	LIHC_GISTIC_Peaks-20160128	0.1 Mb
5	LIHC_GISTIC_ThresholdedByGene-20160128	4.9 Mb
6	LIHC_miRNASeqGene-20160128	0.1 Mb
7	LIHC_Mutation-20160128	16.8 Mb
8	LIHC_RNASeq2GeneNorm-20160128	1.3 Mb
9	LIHC_RNASeqGene-20160128	1.3 Mb
10	LIHC_RPPAArray-20160128	0 Mb
11	LIHC_Methylation-20160128	75 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	hepatocellular carcinoma
3	367

```
hepatocholangiocarcinoma (mixed)
7
```

```
residual_tumor:
```

```
  r0  r1  r2  rx NA's
330  17   1  22   7
```

```
race:
```

```
american indian or alaska native                asian
                                                161
                black or african american          white
                                                187
                                                NA's
                                                10
```

```
ethnicity:
```

```
  hispanic or latino not hispanic or latino          NA's
                18                        340                19
```

Including an additional 1218 columns

See Also

[LIHC-v2.0.1](#)

LIHC-v2.0.1

Liver hepatocellular carcinoma

Description

A document describing the TCGA cancer code

Details

```
> experiments( LIHC )
ExperimentList class object of length 12:
 [1] LIHC_CNASNP-20160128: RaggedExperiment with 363628 rows and 760 columns
 [2] LIHC_CNVSNP-20160128: RaggedExperiment with 93328 rows and 760 columns
 [3] LIHC_GISTIC_AllByGene-20160128: SummarizedExperiment with 24776 rows and 370 columns
 [4] LIHC_GISTIC_Peaks-20160128: RangedSummarizedExperiment with 59 rows and 370 columns
 [5] LIHC_GISTIC_ThresholdedByGene-20160128: SummarizedExperiment with 24776 rows and 370 columns
 [6] LIHC_miRNASeqGene-20160128: SummarizedExperiment with 1046 rows and 424 columns
 [7] LIHC_Mutation-20160128: RaggedExperiment with 27892 rows and 198 columns
 [8] LIHC_RNASeq2Gene-20160128: SummarizedExperiment with 20501 rows and 423 columns
 [9] LIHC_RNASeq2GeneNorm-20160128: SummarizedExperiment with 20501 rows and 423 columns
[10] LIHC_RNASeqGene-20160128: SummarizedExperiment with 20502 rows and 26 columns
[11] LIHC_RPPAArray-20160128: SummarizedExperiment with 219 rows and 184 columns
[12] LIHC_Methylation-20160128: SummarizedExperiment with 485577 rows and 429 columns

> rownames( LIHC )
CharacterList of length 12
```

```

[["LIHC_CNASNP-20160128"]] character(0)
[["LIHC_CNVSNP-20160128"]] character(0)
[["LIHC_GISTIC_AllByGene-20160128"]] character(0)
[["LIHC_GISTIC_Peaks-20160128"]] 28 29 1 2 3 30 4 31 ... 23 24 58 25 26 59 60
[["LIHC_GISTIC_ThresholdedByGene-20160128"]] character(0)
[["LIHC_miRNASeqGene-20160128"]] hsa-let-7a-1 hsa-let-7a-2 ... hsa-mir-99b
[["LIHC_Mutation-20160128"]] character(0)
[["LIHC_RNASeq2Gene-20160128"]] A1BG A1CF A2BP1 A2LD1 ... ZZZ3 psiTPTE22 tAKR
[["LIHC_RNASeq2GeneNorm-20160128"]] A1BG A1CF A2BP1 ... ZZZ3 psiTPTE22 tAKR
[["LIHC_RNASeqGene-20160128"]] A1BG A1CF A2BP1 A2LD1 ... ZZZ3 psiTPTE22 tAKR
...
<2 more elements>

```

```

> colnames( LIHC )
CharacterList of length 12
[["LIHC_CNASNP-20160128"]] TCGA-2V-A95S-01A-11D-A36W-01 ...
[["LIHC_CNVSNP-20160128"]] TCGA-2V-A95S-01A-11D-A36W-01 ...
[["LIHC_GISTIC_AllByGene-20160128"]] TCGA-2V-A95S-01A-11D-A36W-01 ...
[["LIHC_GISTIC_Peaks-20160128"]] TCGA-2V-A95S-01A-11D-A36W-01 ...
[["LIHC_GISTIC_ThresholdedByGene-20160128"]] TCGA-2V-A95S-01A-11D-A36W-01 ...
[["LIHC_miRNASeqGene-20160128"]] TCGA-2V-A95S-01A-11R-A37G-13 ...
[["LIHC_Mutation-20160128"]] TCGA-BC-4073-01B-02D-A12Z-10 ...
[["LIHC_RNASeq2Gene-20160128"]] TCGA-2V-A95S-01A-11R-A37K-07 ...
[["LIHC_RNASeq2GeneNorm-20160128"]] TCGA-2V-A95S-01A-11R-A37K-07 ...
[["LIHC_RNASeqGene-20160128"]] TCGA-BC-4073-01B-02R-A131-07 ...
...
<2 more elements>

```

Sizes of each ExperimentList element:

		assay size.Mb
1	LIHC_CNASNP-20160128	9.9 Mb
2	LIHC_CNVSNP-20160128	2.7 Mb
3	LIHC_GISTIC_AllByGene-20160128	73.5 Mb
4	LIHC_GISTIC_Peaks-20160128	0.3 Mb
5	LIHC_GISTIC_ThresholdedByGene-20160128	73.3 Mb
6	LIHC_miRNASeqGene-20160128	3.6 Mb
7	LIHC_Mutation-20160128	16.8 Mb
8	LIHC_RNASeq2Gene-20160128	68.8 Mb
9	LIHC_RNASeq2GeneNorm-20160128	68.8 Mb
10	LIHC_RNASeqGene-20160128	6.6 Mb
11	LIHC_RPPAArray-20160128	0.4 Mb
12	LIHC_Methylation-20160128	75.1 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	hepatocellular carcinoma
-------------------------	--------------------------

```

                                3
hepatocholangiocarcinoma (mixed) 367
                                7

residual_tumor:
  r0  r1  r2  rx NA's
330  17   1  22   7

race:
american indian or alaska native                asian
                                2                161
        black or african american                white
                                17                187
                                NA's
                                10

ethnicity:
  hispanic or latino not hispanic or latino  NA's
                                18            340            19

```

Including an additional 1218 columns

LIHC-v2.1.0

Liver hepatocellular carcinoma

Description

A document describing the TCGA cancer code

Details

```

> experiments( LIHC )
ExperimentList class object of length 12:
 [1] LIHC_CNASNP-20160128: RaggedExperiment with 363628 rows and 760 columns
 [2] LIHC_CNVSNP-20160128: RaggedExperiment with 93328 rows and 760 columns
 [3] LIHC_GISTIC_AllByGene-20160128: SummarizedExperiment with 24776 rows and 370 columns
 [4] LIHC_GISTIC_Peaks-20160128: RangedSummarizedExperiment with 59 rows and 370 columns
 [5] LIHC_GISTIC_ThresholdedByGene-20160128: SummarizedExperiment with 24776 rows and 370 columns
 [6] LIHC_Mutation-20160128: RaggedExperiment with 27892 rows and 198 columns
 [7] LIHC_RNASeq2Gene-20160128: SummarizedExperiment with 20501 rows and 423 columns
 [8] LIHC_RNASeqGene-20160128: SummarizedExperiment with 20502 rows and 26 columns
 [9] LIHC_RPPAArray-20160128: SummarizedExperiment with 219 rows and 184 columns
[10] LIHC_miRNASeqGene-20160128: SummarizedExperiment with 1046 rows and 424 columns
[11] LIHC_RNASeq2GeneNorm-20160128: SummarizedExperiment with 17690 rows and 423 columns
[12] LIHC_Methylation-20160128: SummarizedExperiment with 485577 rows and 429 columns

> rownames( LIHC )
CharacterList of length 12
[["LIHC_CNASNP-20160128"]] character(0)
[["LIHC_CNVSNP-20160128"]] character(0)
[["LIHC_GISTIC_AllByGene-20160128"]] character(0)

```

```

[["LIHC_GISTIC_Peaks-20160128"]] 28 29 1 2 3 30 4 31 ... 23 24 58 25 26 59 60
[["LIHC_GISTIC_ThresholdedByGene-20160128"]] character(0)
[["LIHC_Mutation-20160128"]] character(0)
[["LIHC_RNASeq2Gene-20160128"]] A1BG A1CF A2BP1 A2LD1 ... ZZZ3 psiTPTE22 tAKR
[["LIHC_RNASeqGene-20160128"]] A1BG A1CF A2BP1 A2LD1 ... ZZZ3 psiTPTE22 tAKR
[["LIHC_RPPAArray-20160128"]] 14-3-3_beta ... p90RSK_pT359_S363
[["LIHC_miRNASeqGene-20160128"]] hsa-let-7a-1 hsa-let-7a-2 ... hsa-mir-99b
...
<2 more elements>

```

```

> colnames( LIHC )
CharacterList of length 12
[["LIHC_CNASNP-20160128"]] TCGA-2V-A95S-01A-11D-A36W-01 ...
[["LIHC_CNVSNP-20160128"]] TCGA-2V-A95S-01A-11D-A36W-01 ...
[["LIHC_GISTIC_AllByGene-20160128"]] TCGA-2V-A95S-01A-11D-A36W-01 ...
[["LIHC_GISTIC_Peaks-20160128"]] TCGA-2V-A95S-01A-11D-A36W-01 ...
[["LIHC_GISTIC_ThresholdedByGene-20160128"]] TCGA-2V-A95S-01A-11D-A36W-01 ...
[["LIHC_Mutation-20160128"]] TCGA-BC-4073-01B-02D-A12Z-10 ...
[["LIHC_RNASeq2Gene-20160128"]] TCGA-2V-A95S-01A-11R-A37K-07 ...
[["LIHC_RNASeqGene-20160128"]] TCGA-BC-4073-01B-02R-A131-07 ...
[["LIHC_RPPAArray-20160128"]] TCGA-BC-4072-01B-21-A40L-20 ...
[["LIHC_miRNASeqGene-20160128"]] TCGA-2V-A95S-01A-11R-A37G-13 ...
...
<2 more elements>

```

Sizes of each ExperimentList element:

		assay size.Mb
1	LIHC_CNASNP-20160128	9.9 Mb
2	LIHC_CNVSNP-20160128	2.7 Mb
3	LIHC_GISTIC_AllByGene-20160128	73.5 Mb
4	LIHC_GISTIC_Peaks-20160128	0.3 Mb
5	LIHC_GISTIC_ThresholdedByGene-20160128	73.3 Mb
6	LIHC_Mutation-20160128	16.8 Mb
7	LIHC_RNASeq2Gene-20160128	68.8 Mb
8	LIHC_RNASeqGene-20160128	6.6 Mb
9	LIHC_RPPAArray-20160128	0.4 Mb
10	LIHC_miRNASeqGene-20160128	3.6 Mb
11	LIHC_RNASeq2GeneNorm-20160128	59.3 Mb
12	LIHC_Methylation-20160128	75.1 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
[1,] 132    132    1.14    0.956    1.63

```

 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	hepatocellular carcinoma
3	367
hepatocholangiocarcinoma (mixed)	
7	

residual_tumor:

r0	r1	r2	rx	NA's
330	17	1	22	7

race:

american indian or alaska native	asian
2	161
black or african american	white
17	187
NA's	
10	

ethnicity:

hispanic or latino	not hispanic or latino	NA's
18	340	19

Including an additional 1218 columns

LUAD

Lung adenocarcinoma

Description

A document describing the TCGA cancer code

Details

```
> experiments( LUAD )
ExperimentList class object of length 14:
 [1] LUAD_CNASeq-20160128: RaggedExperiment with 399592 rows and 249 columns
 [2] LUAD_CNASNP-20160128: RaggedExperiment with 501475 rows and 1095 columns
 [3] LUAD_CNVSNP-20160128: RaggedExperiment with 115836 rows and 1095 columns
 [4] LUAD_GISTIC_AllByGene-20160128: SummarizedExperiment with 24776 rows and 516 columns
 [5] LUAD_GISTIC_Peaks-20160128: RangedSummarizedExperiment with 73 rows and 516 columns
 [6] LUAD_GISTIC_ThresholdedByGene-20160128: SummarizedExperiment with 24776 rows and 516 columns
 [7] LUAD_miRNASeqGene-20160128: SummarizedExperiment with 1046 rows and 498 columns
 [8] LUAD_mRNAArray-20160128: SummarizedExperiment with 17814 rows and 32 columns
 [9] LUAD_Mutation-20160128: RaggedExperiment with 72541 rows and 230 columns
[10] LUAD_RNASeq2GeneNorm-20160128: SummarizedExperiment with 20501 rows and 576 columns
[11] LUAD_RNASeqGene-20160128: SummarizedExperiment with 20502 rows and 162 columns
[12] LUAD_RPPAArray-20160128: SummarizedExperiment with 223 rows and 365 columns
[13] LUAD_Methylation_methyl27-20160128: SummarizedExperiment with 27578 rows and 89 columns
[14] LUAD_Methylation_methyl450-20160128: SummarizedExperiment with 485577 rows and 492 columns

> rownames( LUAD )
CharacterList of length 14
[["LUAD_CNASeq-20160128"]] character(0)
[["LUAD_CNASNP-20160128"]] character(0)
[["LUAD_CNVSNP-20160128"]] character(0)
[["LUAD_GISTIC_AllByGene-20160128"]] ACAP3 ... WASIR1|ENSG00000185203.7
```

```

[["LUAD_GISTIC_Peaks-20160128"]] chr1:1-32049393 ... chr22:46723702-51304566
[["LUAD_GISTIC_ThresholdedByGene-20160128"]] ACAP3 ...
[["LUAD_miRNASeqGene-20160128"]] hsa-let-7a-1 hsa-let-7a-2 ... hsa-mir-99b
[["LUAD_mRNAArray-20160128"]] ELMO2 CREB3L1 RPS11 PNMA1 ... SNRPD2 AQP7 CTSC
[["LUAD_Mutation-20160128"]] character(0)
[["LUAD_RNASeq2GeneNorm-20160128"]] A1BG A1CF A2BP1 ... ZZZ3 psiTPTE22 TAKR
...
<4 more elements>

```

```

> colnames( LUAD )
CharacterList of length 14
[["LUAD_CNASeq-20160128"]] TCGA-05-4249-01A-01D-1103-02 ...
[["LUAD_CNASNP-20160128"]] TCGA-05-4244-01A-01D-1877-01 ...
[["LUAD_CNVSNP-20160128"]] TCGA-05-4244-01A-01D-1877-01 ...
[["LUAD_GISTIC_AllByGene-20160128"]] TCGA-05-4244-01A-01D-1877-01 ...
[["LUAD_GISTIC_Peaks-20160128"]] TCGA-05-4244-01A-01D-1877-01 ...
[["LUAD_GISTIC_ThresholdedByGene-20160128"]] TCGA-05-4244-01A-01D-1877-01 ...
[["LUAD_miRNASeqGene-20160128"]] TCGA-05-4384-01A-01T-1754-13 ...
[["LUAD_mRNAArray-20160128"]] TCGA-05-4244-01A-01R-1107-07 ...
[["LUAD_Mutation-20160128"]] TCGA-05-4249-01A-01D-1105-08 ...
[["LUAD_RNASeq2GeneNorm-20160128"]] TCGA-05-4244-01A-01R-1107-07 ...
...
<4 more elements>

```

Sizes of each ExperimentList element:

		assay size.Mb
1	LUAD_CNASeq-20160128	10.8 Mb
2	LUAD_CNASNP-20160128	13.7 Mb
3	LUAD_CNVSNP-20160128	3.4 Mb
4	LUAD_GISTIC_AllByGene-20160128	4.9 Mb
5	LUAD_GISTIC_Peaks-20160128	0.1 Mb
6	LUAD_GISTIC_ThresholdedByGene-20160128	4.9 Mb
7	LUAD_miRNASeqGene-20160128	0.1 Mb
8	LUAD_mRNAArray-20160128	1.1 Mb
9	LUAD_Mutation-20160128	92.9 Mb
10	LUAD_RNASeq2GeneNorm-20160128	1.3 Mb
11	LUAD_RNASeqGene-20160128	1.3 Mb
12	LUAD_RPPAArray-20160128	0.1 Mb
13	LUAD_Methylation_methyl27-20160128	4.9 Mb
14	LUAD_Methylation_methyl450-20160128	75.1 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	NA's
					388	125

Including an additional 2607 columns

See Also

[LUAD-v2.0.1](#)

LUAD-v2.0.1	Lung adenocarcinoma
-------------	---------------------

Description

A document describing the TCGA cancer code

Details

```
> experiments( LUAD )
ExperimentList class object of length 15:
[1] LUAD_CNASeq-20160128: RaggedExperiment with 399592 rows and 249 columns
[2] LUAD_CNASNP-20160128: RaggedExperiment with 501475 rows and 1095 columns
[3] LUAD_CNVSNP-20160128: RaggedExperiment with 115836 rows and 1095 columns
[4] LUAD_GISTIC_AllByGene-20160128: SummarizedExperiment with 24776 rows and 516 columns
[5] LUAD_GISTIC_Peaks-20160128: RangedSummarizedExperiment with 73 rows and 516 columns
[6] LUAD_GISTIC_ThresholdedByGene-20160128: SummarizedExperiment with 24776 rows and 516 columns
[7] LUAD_miRNASeqGene-20160128: SummarizedExperiment with 1046 rows and 498 columns
[8] LUAD_mRNAArray-20160128: SummarizedExperiment with 17814 rows and 32 columns
[9] LUAD_Mutation-20160128: RaggedExperiment with 72541 rows and 230 columns
[10] LUAD_RNASeq2Gene-20160128: SummarizedExperiment with 20501 rows and 576 columns
[11] LUAD_RNASeq2GeneNorm-20160128: SummarizedExperiment with 20501 rows and 576 columns
```

```
[12] LUAD_RNASeqGene-20160128: SummarizedExperiment with 20502 rows and 162 columns
[13] LUAD_RPPAArray-20160128: SummarizedExperiment with 223 rows and 365 columns
[14] LUAD_Methylation_methyl27-20160128: SummarizedExperiment with 27578 rows and 89 columns
[15] LUAD_Methylation_methyl450-20160128: SummarizedExperiment with 485577 rows and 492 columns
```

```
> rownames( LUAD )
CharacterList of length 15
[["LUAD_CNASeq-20160128"]] character(0)
[["LUAD_CNASNP-20160128"]] character(0)
[["LUAD_CNVSNP-20160128"]] character(0)
[["LUAD_GISTIC_AllByGene-20160128"]] character(0)
[["LUAD_GISTIC_Peaks-20160128"]] 30 1 31 2 32 33 34 ... 71 26 72 27 73 28 74
[["LUAD_GISTIC_ThresholdedByGene-20160128"]] character(0)
[["LUAD_miRNASeqGene-20160128"]] hsa-let-7a-1 hsa-let-7a-2 ... hsa-mir-99b
[["LUAD_mRNAArray-20160128"]] ELM02 CREB3L1 RPS11 PNMA1 ... SNRPD2 AQP7 CTSC
[["LUAD_Mutation-20160128"]] character(0)
[["LUAD_RNASeq2Gene-20160128"]] A1BG A1CF A2BP1 A2LD1 ... ZZZ3 psiTPTE22 tAKR
...
<5 more elements>
```

```
> colnames( LUAD )
CharacterList of length 15
[["LUAD_CNASeq-20160128"]] TCGA-05-4249-01A-01D-1103-02 ...
[["LUAD_CNASNP-20160128"]] TCGA-05-4244-01A-01D-1877-01 ...
[["LUAD_CNVSNP-20160128"]] TCGA-05-4244-01A-01D-1877-01 ...
[["LUAD_GISTIC_AllByGene-20160128"]] TCGA-05-4244-01A-01D-1877-01 ...
[["LUAD_GISTIC_Peaks-20160128"]] TCGA-05-4244-01A-01D-1877-01 ...
[["LUAD_GISTIC_ThresholdedByGene-20160128"]] TCGA-05-4244-01A-01D-1877-01 ...
[["LUAD_miRNASeqGene-20160128"]] TCGA-05-4384-01A-01T-1754-13 ...
[["LUAD_mRNAArray-20160128"]] TCGA-05-4244-01A-01R-1107-07 ...
[["LUAD_Mutation-20160128"]] TCGA-05-4249-01A-01D-1105-08 ...
[["LUAD_RNASeq2Gene-20160128"]] TCGA-05-4244-01A-01R-1107-07 ...
...
<5 more elements>
```

Sizes of each ExperimentList element:

	assay	size.Mb
1	LUAD_CNASeq-20160128	10.8 Mb
2	LUAD_CNASNP-20160128	13.7 Mb
3	LUAD_CNVSNP-20160128	3.4 Mb
4	LUAD_GISTIC_AllByGene-20160128	101.2 Mb
5	LUAD_GISTIC_Peaks-20160128	0.5 Mb
6	LUAD_GISTIC_ThresholdedByGene-20160128	101 Mb
7	LUAD_miRNASeqGene-20160128	4.2 Mb
8	LUAD_mRNAArray-20160128	6.6 Mb
9	LUAD_Mutation-20160128	92.9 Mb
10	LUAD_RNASeq2Gene-20160128	92.7 Mb
11	LUAD_RNASeq2GeneNorm-20160128	92.7 Mb
12	LUAD_RNASeqGene-20160128	27.9 Mb
13	LUAD_RPPAArray-20160128	0.7 Mb
14	LUAD_Methylation_methyl27-20160128	4.9 Mb

15 LUAD_Methylation_methyl450-20160128 75.1 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          asian
                        1                      8
      black or african american          white
                        53                   392
                        NA's
                        66

ethnicity:
  hispanic or latino not hispanic or latino    NA's
                        7                   388          125

Including an additional 2607 columns

```

LUAD-v2.1.0

*Lung adenocarcinoma***Description**

A document describing the TCGA cancer code

Details

```

> experiments( LUAD )
ExperimentList class object of length 15:
[1] LUAD_CNASeq-20160128: RaggedExperiment with 399592 rows and 249 columns
[2] LUAD_CNASNP-20160128: RaggedExperiment with 501475 rows and 1095 columns
[3] LUAD_CNVSNP-20160128: RaggedExperiment with 115836 rows and 1095 columns

```

```

[4] LUAD_GISTIC_AllByGene-20160128: SummarizedExperiment with 24776 rows and 516 columns
[5] LUAD_GISTIC_Peaks-20160128: RangedSummarizedExperiment with 73 rows and 516 columns
[6] LUAD_GISTIC_ThresholdedByGene-20160128: SummarizedExperiment with 24776 rows and 516 columns
[7] LUAD_mRNAArray-20160128: SummarizedExperiment with 17814 rows and 32 columns
[8] LUAD_Mutation-20160128: RaggedExperiment with 72541 rows and 230 columns
[9] LUAD_RNASeq2Gene-20160128: SummarizedExperiment with 20501 rows and 576 columns
[10] LUAD_RNASeqGene-20160128: SummarizedExperiment with 20502 rows and 162 columns
[11] LUAD_RPPAArray-20160128: SummarizedExperiment with 223 rows and 365 columns
[12] LUAD_miRNASeqGene-20160128: SummarizedExperiment with 1046 rows and 498 columns
[13] LUAD_RNASeq2GeneNorm-20160128: SummarizedExperiment with 18289 rows and 576 columns
[14] LUAD_Methylation_methyl27-20160128: SummarizedExperiment with 27578 rows and 89 columns
[15] LUAD_Methylation_methyl450-20160128: SummarizedExperiment with 485577 rows and 492 columns

```

```

> rownames( LUAD )
CharacterList of length 15
[["LUAD_CNASeq-20160128"]] character(0)
[["LUAD_CNASNP-20160128"]] character(0)
[["LUAD_CNVSNP-20160128"]] character(0)
[["LUAD_GISTIC_AllByGene-20160128"]] character(0)
[["LUAD_GISTIC_Peaks-20160128"]] 30 1 31 2 32 33 34 ... 71 26 72 27 73 28 74
[["LUAD_GISTIC_ThresholdedByGene-20160128"]] character(0)
[["LUAD_mRNAArray-20160128"]] ELM02 CREB3L1 RPS11 PNMA1 ... SNRPD2 AQP7 CTSC
[["LUAD_Mutation-20160128"]] character(0)
[["LUAD_RNASeq2Gene-20160128"]] A1BG A1CF A2BP1 A2LD1 ... ZZZ3 psiTPTE22 tAKR
[["LUAD_RNASeqGene-20160128"]] A1BG A1CF A2BP1 A2LD1 ... ZZZ3 psiTPTE22 tAKR
...
<5 more elements>

```

```

> colnames( LUAD )
CharacterList of length 15
[["LUAD_CNASeq-20160128"]] TCGA-05-4249-01A-01D-1103-02 ...
[["LUAD_CNASNP-20160128"]] TCGA-05-4244-01A-01D-1877-01 ...
[["LUAD_CNVSNP-20160128"]] TCGA-05-4244-01A-01D-1877-01 ...
[["LUAD_GISTIC_AllByGene-20160128"]] TCGA-05-4244-01A-01D-1877-01 ...
[["LUAD_GISTIC_Peaks-20160128"]] TCGA-05-4244-01A-01D-1877-01 ...
[["LUAD_GISTIC_ThresholdedByGene-20160128"]] TCGA-05-4244-01A-01D-1877-01 ...
[["LUAD_mRNAArray-20160128"]] TCGA-05-4244-01A-01R-1107-07 ...
[["LUAD_Mutation-20160128"]] TCGA-05-4249-01A-01D-1105-08 ...
[["LUAD_RNASeq2Gene-20160128"]] TCGA-05-4244-01A-01R-1107-07 ...
[["LUAD_RNASeqGene-20160128"]] TCGA-05-4244-01A-01R-1107-07 ...
...
<5 more elements>

```

Sizes of each ExperimentList element:

	assay	size.Mb
1	LUAD_CNASeq-20160128	10.8 Mb
2	LUAD_CNASNP-20160128	13.7 Mb
3	LUAD_CNVSNP-20160128	3.4 Mb
4	LUAD_GISTIC_AllByGene-20160128	101.2 Mb
5	LUAD_GISTIC_Peaks-20160128	0.5 Mb
6	LUAD_GISTIC_ThresholdedByGene-20160128	101 Mb

7	LUAD_mRNAArray-20160128	6.6 Mb
8	LUAD_Mutation-20160128	92.9 Mb
9	LUAD_RNASeq2Gene-20160128	92.7 Mb
10	LUAD_RNASeqGene-20160128	27.9 Mb
11	LUAD_RPPAArray-20160128	0.7 Mb
12	LUAD_miRNASeqGene-20160128	4.2 Mb
13	LUAD_RNASeq2GeneNorm-20160128	82.7 Mb
14	LUAD_Methylation_methyl27-20160128	4.9 Mb
15	LUAD_Methylation_methyl450-20160128	75.1 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
[1,] 184 184 1.7 1.37 2

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
--------------------	---	------------------------	-----	------	-----

Including an additional 2607 columns

LUSC

Lung squamous cell carcinoma

Description

A document describing the TCGA cancer code

Details

```

> experiments( LUSC )
ExperimentList class object of length 16:
 [1] LUSC_CNACGH-20160128: RaggedExperiment with 87417 rows and 407 columns
 [2] LUSC_CNASNP-20160128: RaggedExperiment with 543091 rows and 1035 columns
 [3] LUSC_CNVSNP-20160128: RaggedExperiment with 134864 rows and 1032 columns
 [4] LUSC_GISTIC_AllByGene-20160128: SummarizedExperiment with 24776 rows and 501 columns
 [5] LUSC_GISTIC_Peaks-20160128: RangedSummarizedExperiment with 78 rows and 501 columns
 [6] LUSC_GISTIC_ThresholdedByGene-20160128: SummarizedExperiment with 24776 rows and 501 columns
 [7] LUSC_miRNASeqGene-20160128: SummarizedExperiment with 1046 rows and 387 columns
 [8] LUSC_mRNAArray_huex-20160128: SummarizedExperiment with 18632 rows and 112 columns
 [9] LUSC_mRNAArray_TX_g4502a-20160128: SummarizedExperiment with 17814 rows and 154 columns
[10] LUSC_mRNAArray_TX_ht_hg_u133a-20160128: SummarizedExperiment with 12042 rows and 133 columns
[11] LUSC_Mutation-20160128: RaggedExperiment with 65305 rows and 178 columns
[12] LUSC_RNASeq2GeneNorm-20160128: SummarizedExperiment with 20501 rows and 552 columns
[13] LUSC_RNASeqGene-20160128: SummarizedExperiment with 20502 rows and 240 columns
[14] LUSC_RPPAArray-20160128: SummarizedExperiment with 223 rows and 328 columns
[15] LUSC_Methylation_methyl27-20160128: SummarizedExperiment with 27578 rows and 160 columns
[16] LUSC_Methylation_methyl450-20160128: SummarizedExperiment with 485577 rows and 412 columns

> rownames( LUSC )
CharacterList of length 16
[["LUSC_CNACGH-20160128"]] character(0)
[["LUSC_CNASNP-20160128"]] character(0)
[["LUSC_CNVSNP-20160128"]] character(0)
[["LUSC_GISTIC_AllByGene-20160128"]] ACAP3 ... WASIR1|ENSG00000185203.7
[["LUSC_GISTIC_Peaks-20160128"]] chr1:1-31262836 ... chr22:45736500-51304566
[["LUSC_GISTIC_ThresholdedByGene-20160128"]] ACAP3 ...
[["LUSC_miRNASeqGene-20160128"]] hsa-let-7a-1 hsa-let-7a-2 ... hsa-mir-99b
[["LUSC_mRNAArray_huex-20160128"]] C9orf152 ELM02 RPS11 ... SLC39A6 CTSC AQP7
[["LUSC_mRNAArray_TX_g4502a-20160128"]] ELM02 CREB3L1 RPS11 ... AQP7 CTSC
[["LUSC_mRNAArray_TX_ht_hg_u133a-20160128"]] AACs FSTL1 ELM02 ... CTSC AQP7
...
<6 more elements>

> colnames( LUSC )
CharacterList of length 16
[["LUSC_CNACGH-20160128"]] TCGA-18-3406-01A-01D-1519-02 ...
[["LUSC_CNASNP-20160128"]] TCGA-18-3406-01A-01D-0978-01 ...
[["LUSC_CNVSNP-20160128"]] TCGA-18-3406-01A-01D-0978-01 ...
[["LUSC_GISTIC_AllByGene-20160128"]] TCGA-18-3406-01A-01D-0978-01 ...
[["LUSC_GISTIC_Peaks-20160128"]] TCGA-18-3406-01A-01D-0978-01 ...
[["LUSC_GISTIC_ThresholdedByGene-20160128"]] TCGA-18-3406-01A-01D-0978-01 ...
[["LUSC_miRNASeqGene-20160128"]] TCGA-18-5592-01A-01T-1634-13 ...
[["LUSC_mRNAArray_huex-20160128"]] TCGA-18-3406-01A-01R-1030-03 ...
[["LUSC_mRNAArray_TX_g4502a-20160128"]] TCGA-18-3406-01A-01R-0980-07 ...
[["LUSC_mRNAArray_TX_ht_hg_u133a-20160128"]] TCGA-18-3406-01A-01R-1031-01 ...
...
<6 more elements>

```

Sizes of each ExperimentList element:

		assay	size.Mb
1		LUSC_CNACGH-20160128	2.5 Mb
2		LUSC_CNASNP-20160128	14.8 Mb
3		LUSC_CNVSNP-20160128	3.9 Mb
4		LUSC_GISTIC_AllByGene-20160128	4.9 Mb
5		LUSC_GISTIC_Peaks-20160128	0.1 Mb
6		LUSC_GISTIC_ThresholdedByGene-20160128	4.9 Mb
7		LUSC_miRNASeqGene-20160128	0.1 Mb
8		LUSC_mRNAArray_huex-20160128	1.2 Mb
9		LUSC_mRNAArray_TX_g4502a-20160128	1.1 Mb
10		LUSC_mRNAArray_TX_ht_hg_u133a-20160128	0.8 Mb
11		LUSC_Mutation-20160128	81 Mb
12		LUSC_RNASeq2GeneNorm-20160128	1.3 Mb
13		LUSC_RNASeqGene-20160128	1.3 Mb
14		LUSC_RPPAArray-20160128	0 Mb
15		LUSC_Methylation_methyl27-20160128	4.9 Mb
16		LUSC_Methylation_methyl450-20160128	75 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

Including an additional 2238 columns

See Also

[LUSC-v2.0.1](#)

LUSC-v2.0.1

Lung squamous cell carcinoma

Description

A document describing the TCGA cancer code

Details

```
> experiments( LUSC )
ExperimentList class object of length 17:
 [1] LUSC_CNACGH-20160128: RaggedExperiment with 87417 rows and 407 columns
 [2] LUSC_CNASNP-20160128: RaggedExperiment with 543091 rows and 1035 columns
 [3] LUSC_CNVSNP-20160128: RaggedExperiment with 134864 rows and 1032 columns
 [4] LUSC_GISTIC_AllByGene-20160128: SummarizedExperiment with 24776 rows and 501 columns
 [5] LUSC_GISTIC_Peaks-20160128: RangedSummarizedExperiment with 78 rows and 501 columns
 [6] LUSC_GISTIC_ThresholdedByGene-20160128: SummarizedExperiment with 24776 rows and 501 columns
 [7] LUSC_miRNASeqGene-20160128: SummarizedExperiment with 1046 rows and 387 columns
 [8] LUSC_mRNAArray_huex-20160128: SummarizedExperiment with 18632 rows and 112 columns
 [9] LUSC_mRNAArray_TX_g4502a-20160128: SummarizedExperiment with 17814 rows and 154 columns
[10] LUSC_mRNAArray_TX_ht_hg_u133a-20160128: SummarizedExperiment with 12042 rows and 133 columns
[11] LUSC_Mutation-20160128: RaggedExperiment with 65305 rows and 178 columns
[12] LUSC_RNASeq2Gene-20160128: SummarizedExperiment with 20501 rows and 552 columns
[13] LUSC_RNASeq2GeneNorm-20160128: SummarizedExperiment with 20501 rows and 552 columns
[14] LUSC_RNASeqGene-20160128: SummarizedExperiment with 20502 rows and 240 columns
[15] LUSC_RPPAArray-20160128: SummarizedExperiment with 223 rows and 328 columns
[16] LUSC_Methylation_methyl27-20160128: SummarizedExperiment with 27578 rows and 160 columns
[17] LUSC_Methylation_methyl450-20160128: SummarizedExperiment with 485577 rows and 412 columns

> rownames( LUSC )
CharacterList of length 17
[["LUSC_CNACGH-20160128"]] character(0)
[["LUSC_CNASNP-20160128"]] character(0)
[["LUSC_CNVSNP-20160128"]] character(0)
[["LUSC_GISTIC_AllByGene-20160128"]] character(0)
[["LUSC_GISTIC_Peaks-20160128"]] 31 32 1 33 2 34 3 ... 27 28 76 77 78 29 79
```

```

[["LUSC_GISTIC_ThresholdedByGene-20160128"]] character(0)
[["LUSC_miRNASeqGene-20160128"]] hsa-let-7a-1 hsa-let-7a-2 ... hsa-mir-99b
[["LUSC_mRNAArray_huex-20160128"]] C9orf152 ELM02 RPS11 ... SLC39A6 CTSC AQP7
[["LUSC_mRNAArray_TX_g4502a-20160128"]] ELM02 CREB3L1 RPS11 ... AQP7 CTSC
[["LUSC_mRNAArray_TX_ht_hg_u133a-20160128"]] AACs FSTL1 ELM02 ... CTSC AQP7
...
<7 more elements>

```

```

> colnames( LUSC )
CharacterList of length 17
[["LUSC_CNACGH-20160128"]] TCGA-18-3406-01A-01D-1519-02 ...
[["LUSC_CNASNP-20160128"]] TCGA-18-3406-01A-01D-0978-01 ...
[["LUSC_CNVSNP-20160128"]] TCGA-18-3406-01A-01D-0978-01 ...
[["LUSC_GISTIC_AllByGene-20160128"]] TCGA-18-3406-01A-01D-0978-01 ...
[["LUSC_GISTIC_Peaks-20160128"]] TCGA-18-3406-01A-01D-0978-01 ...
[["LUSC_GISTIC_ThresholdedByGene-20160128"]] TCGA-18-3406-01A-01D-0978-01 ...
[["LUSC_miRNASeqGene-20160128"]] TCGA-18-5592-01A-01T-1634-13 ...
[["LUSC_mRNAArray_huex-20160128"]] TCGA-18-3406-01A-01R-1030-03 ...
[["LUSC_mRNAArray_TX_g4502a-20160128"]] TCGA-18-3406-01A-01R-0980-07 ...
[["LUSC_mRNAArray_TX_ht_hg_u133a-20160128"]] TCGA-18-3406-01A-01R-1031-01 ...
...
<7 more elements>

```

Sizes of each ExperimentList element:

		assay size.Mb
1	LUSC_CNACGH-20160128	2.5 Mb
2	LUSC_CNASNP-20160128	14.8 Mb
3	LUSC_CNVSNP-20160128	3.9 Mb
4	LUSC_GISTIC_AllByGene-20160128	98.3 Mb
5	LUSC_GISTIC_Peaks-20160128	0.5 Mb
6	LUSC_GISTIC_ThresholdedByGene-20160128	98.1 Mb
7	LUSC_miRNASeqGene-20160128	3.3 Mb
8	LUSC_mRNAArray_huex-20160128	18.3 Mb
9	LUSC_mRNAArray_TX_g4502a-20160128	23.2 Mb
10	LUSC_mRNAArray_TX_ht_hg_u133a-20160128	13.7 Mb
11	LUSC_Mutation-20160128	81 Mb
12	LUSC_RNASeq2Gene-20160128	89 Mb
13	LUSC_RNASeq2GeneNorm-20160128	89 Mb
14	LUSC_RNASeqGene-20160128	40.1 Mb
15	LUSC_RPPAArray-20160128	0.6 Mb
16	LUSC_Methylation_methyl27-20160128	4.9 Mb
17	LUSC_Methylation_methyl450-20160128	75.1 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
NA's	351
113	

ethnicity:

hispanic or latino	not hispanic or latino	NA's
8	319	177

Including an additional 2238 columns

LUSC-v2.1.0

Lung squamous cell carcinoma

Description

A document describing the TCGA cancer code

Details

```
> experiments( LUSC )
ExperimentList class object of length 17:
[1] LUSC_CNACGH-20160128: RaggedExperiment with 87417 rows and 407 columns
[2] LUSC_CNASNP-20160128: RaggedExperiment with 543091 rows and 1035 columns
[3] LUSC_CNVSNP-20160128: RaggedExperiment with 134864 rows and 1032 columns
```

```
[4] LUSC_GISTIC_AllByGene-20160128: SummarizedExperiment with 24776 rows and 501 columns
[5] LUSC_GISTIC_Peaks-20160128: RangedSummarizedExperiment with 78 rows and 501 columns
[6] LUSC_GISTIC_ThresholdedByGene-20160128: SummarizedExperiment with 24776 rows and 501 columns
[7] LUSC_mRNAArray_huex-20160128: SummarizedExperiment with 18632 rows and 112 columns
[8] LUSC_mRNAArray_TX_g4502a-20160128: SummarizedExperiment with 17814 rows and 154 columns
[9] LUSC_mRNAArray_TX_ht_hg_u133a-20160128: SummarizedExperiment with 12042 rows and 133 columns
[10] LUSC_Mutation-20160128: RaggedExperiment with 65305 rows and 178 columns
[11] LUSC_RNASeq2Gene-20160128: SummarizedExperiment with 20501 rows and 552 columns
[12] LUSC_RNASeqGene-20160128: SummarizedExperiment with 20502 rows and 240 columns
[13] LUSC_RPPAArray-20160128: SummarizedExperiment with 223 rows and 328 columns
[14] LUSC_miRNASeqGene-20160128: SummarizedExperiment with 1046 rows and 387 columns
[15] LUSC_RNASeq2GeneNorm-20160128: SummarizedExperiment with 18520 rows and 552 columns
[16] LUSC_Methylation_methyl27-20160128: SummarizedExperiment with 27578 rows and 160 columns
[17] LUSC_Methylation_methyl450-20160128: SummarizedExperiment with 485577 rows and 412 columns
```

```
> rownames( LUSC )
CharacterList of length 17
[["LUSC_CNACGH-20160128"]] character(0)
[["LUSC_CNASNP-20160128"]] character(0)
[["LUSC_CNVSNP-20160128"]] character(0)
[["LUSC_GISTIC_AllByGene-20160128"]] character(0)
[["LUSC_GISTIC_Peaks-20160128"]] 31 32 1 33 2 34 3 ... 27 28 76 77 78 29 79
[["LUSC_GISTIC_ThresholdedByGene-20160128"]] character(0)
[["LUSC_mRNAArray_huex-20160128"]] C9orf152 ELM02 RPS11 ... SLC39A6 CTSC AQP7
[["LUSC_mRNAArray_TX_g4502a-20160128"]] ELM02 CREB3L1 RPS11 ... AQP7 CTSC
[["LUSC_mRNAArray_TX_ht_hg_u133a-20160128"]] AACS FSTL1 ELM02 ... CTSC AQP7
[["LUSC_Mutation-20160128"]] character(0)
...
<7 more elements>
```

```
> colnames( LUSC )
CharacterList of length 17
[["LUSC_CNACGH-20160128"]] TCGA-18-3406-01A-01D-1519-02 ...
[["LUSC_CNASNP-20160128"]] TCGA-18-3406-01A-01D-0978-01 ...
[["LUSC_CNVSNP-20160128"]] TCGA-18-3406-01A-01D-0978-01 ...
[["LUSC_GISTIC_AllByGene-20160128"]] TCGA-18-3406-01A-01D-0978-01 ...
[["LUSC_GISTIC_Peaks-20160128"]] TCGA-18-3406-01A-01D-0978-01 ...
[["LUSC_GISTIC_ThresholdedByGene-20160128"]] TCGA-18-3406-01A-01D-0978-01 ...
[["LUSC_mRNAArray_huex-20160128"]] TCGA-18-3406-01A-01R-1030-03 ...
[["LUSC_mRNAArray_TX_g4502a-20160128"]] TCGA-18-3406-01A-01R-0980-07 ...
[["LUSC_mRNAArray_TX_ht_hg_u133a-20160128"]] TCGA-18-3406-01A-01R-1031-01 ...
[["LUSC_Mutation-20160128"]] TCGA-18-3406-01A-01D-0983-08 ...
...
<7 more elements>
```

Sizes of each ExperimentList element:

		assay size.Mb
1	LUSC_CNACGH-20160128	2.5 Mb
2	LUSC_CNASNP-20160128	14.8 Mb
3	LUSC_CNVSNP-20160128	3.9 Mb
4	LUSC_GISTIC_AllByGene-20160128	98.3 Mb

```

5          LUSC_GISTIC_Peaks-20160128  0.5 Mb
6 LUSC_GISTIC_ThresholdedByGene-20160128 98.1 Mb
7          LUSC_mRNAArray_huex-20160128 18.3 Mb
8          LUSC_mRNAArray_TX_g4502a-20160128 23.2 Mb
9 LUSC_mRNAArray_TX_ht_hg_u133a-20160128 13.7 Mb
10         LUSC_Mutation-20160128      81 Mb
11         LUSC_RNASeq2Gene-20160128    89 Mb
12         LUSC_RNASeqGene-20160128   40.1 Mb
13         LUSC_RPPAArray-20160128     0.6 Mb
14         LUSC_miRNASeqGene-20160128   3.3 Mb
15         LUSC_RNASeq2GeneNorm-20160128 80.4 Mb
16 LUSC_Methylation_methyl27-20160128   4.9 Mb
17 LUSC_Methylation_methyl450-20160128 75.1 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
[1,] 215      215   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
NA's	351
113	

```

ethnicity:
  hispanic or latino not hispanic or latino      NA's
                8                      319          177

```

Including an additional 2238 columns

MESO	<i>Mesothelioma</i>
------	---------------------

Description

A document describing the TCGA cancer code

Details

```

> experiments( MESO )
ExperimentList class object of length 9:
 [1] MESO_CNASNP-20160128: RaggedExperiment with 90003 rows and 173 columns
 [2] MESO_CNVSNP-20160128: RaggedExperiment with 18335 rows and 172 columns
 [3] MESO_GISTIC_AllByGene-20160128: SummarizedExperiment with 24776 rows and 87 columns
 [4] MESO_GISTIC_Peaks-20160128: RangedSummarizedExperiment with 21 rows and 87 columns
 [5] MESO_GISTIC_ThresholdedByGene-20160128: SummarizedExperiment with 24776 rows and 87 columns
 [6] MESO_miRNASeqGene-20160128: SummarizedExperiment with 1046 rows and 87 columns
 [7] MESO_RNASeq2GeneNorm-20160128: SummarizedExperiment with 20501 rows and 87 columns
 [8] MESO_RPPAArray-20160128: SummarizedExperiment with 193 rows and 63 columns
 [9] MESO_Methylation-20160128: SummarizedExperiment with 485577 rows and 87 columns

> rownames( MESO )
CharacterList of length 9
[["MESO_CNASNP-20160128"]] character(0)
[["MESO_CNVSNP-20160128"]] character(0)
[["MESO_GISTIC_AllByGene-20160128"]] ACAP3 ... WASIR1|ENSG00000185203.7
[["MESO_GISTIC_Peaks-20160128"]] chr1:1-31262836 ... chr22:29969457-30128393
[["MESO_GISTIC_ThresholdedByGene-20160128"]] ACAP3 ...
[["MESO_miRNASeqGene-20160128"]] hsa-let-7a-1 hsa-let-7a-2 ... hsa-mir-99b
[["MESO_RNASeq2GeneNorm-20160128"]] A1BG A1CF A2BP1 ... ZZZ3 psiTPTE22 tAKR
[["MESO_RPPAArray-20160128"]] 14-3-3_beta ... p90RSK_pT359_S363
[["MESO_Methylation-20160128"]] cg00000029 cg00000108 ... rs966367 rs9839873

> colnames( MESO )
CharacterList of length 9
[["MESO_CNASNP-20160128"]] TCGA-3H-AB3K-01A-11D-A39Q-01 ...
[["MESO_CNVSNP-20160128"]] TCGA-3H-AB3K-01A-11D-A39Q-01 ...
[["MESO_GISTIC_AllByGene-20160128"]] TCGA-3H-AB3K-01A-11D-A39Q-01 ...
[["MESO_GISTIC_Peaks-20160128"]] TCGA-3H-AB3K-01A-11D-A39Q-01 ...
[["MESO_GISTIC_ThresholdedByGene-20160128"]] TCGA-3H-AB3K-01A-11D-A39Q-01 ...
[["MESO_miRNASeqGene-20160128"]] TCGA-3H-AB3K-01A-11R-A404-13 ...
[["MESO_RNASeq2GeneNorm-20160128"]] TCGA-3H-AB3K-01A-11R-A40A-07 ...
[["MESO_RPPAArray-20160128"]] TCGA-3H-AB3K-01A-21-A450-20 ...
[["MESO_Methylation-20160128"]] TCGA-3H-AB3K-01A-11D-A39S-05 ...

```

Sizes of each ExperimentList element:

		assay	size.Mb
1	MESO_CNASNP-20160128		2.5 Mb
2	MESO_CNVSNP-20160128		0.6 Mb
3	MESO_GISTIC_AllByGene-20160128		4.9 Mb
4	MESO_GISTIC_Peaks-20160128		0 Mb
5	MESO_GISTIC_ThresholdedByGene-20160128		4.9 Mb
6	MESO_miRNASeqGene-20160128		0.1 Mb
7	MESO_RNASeq2GeneNorm-20160128		1.3 Mb
8	MESO_RPPAArray-20160128		0 Mb
9	MESO_Methylation-20160128		75 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
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

Including an additional 636 columns

See Also

[MESO-v2.0.1](#)

Description

A document describing the TCGA cancer code

Details

```
> experiments( MESO )
ExperimentList class object of length 10:
 [1] MESO_CNASNP-20160128: RaggedExperiment with 90003 rows and 173 columns
 [2] MESO_CNVSNP-20160128: RaggedExperiment with 18335 rows and 172 columns
 [3] MESO_GISTIC_AllByGene-20160128: SummarizedExperiment with 24776 rows and 87 columns
 [4] MESO_GISTIC_Peaks-20160128: RangedSummarizedExperiment with 21 rows and 87 columns
 [5] MESO_GISTIC_ThresholdedByGene-20160128: SummarizedExperiment with 24776 rows and 87 columns
 [6] MESO_miRNASeqGene-20160128: SummarizedExperiment with 1046 rows and 87 columns
 [7] MESO_RNASeq2Gene-20160128: SummarizedExperiment with 20501 rows and 87 columns
 [8] MESO_RNASeq2GeneNorm-20160128: SummarizedExperiment with 20501 rows and 87 columns
 [9] MESO_RPPAArray-20160128: SummarizedExperiment with 193 rows and 63 columns
[10] MESO_Methylation-20160128: SummarizedExperiment with 485577 rows and 87 columns

> rownames( MESO )
CharacterList of length 10
[["MESO_CNASNP-20160128"]] character(0)
[["MESO_CNVSNP-20160128"]] character(0)
[["MESO_GISTIC_AllByGene-20160128"]] character(0)
[["MESO_GISTIC_Peaks-20160128"]] 1 2 3 4 5 6 7 8 ... 14 15 16 17 18 19 20 21
[["MESO_GISTIC_ThresholdedByGene-20160128"]] character(0)
[["MESO_miRNASeqGene-20160128"]] hsa-let-7a-1 hsa-let-7a-2 ... hsa-mir-99b
[["MESO_RNASeq2Gene-20160128"]] A1BG A1CF A2BP1 A2LD1 ... ZZZ3 psiTPTE22 tAKR
[["MESO_RNASeq2GeneNorm-20160128"]] A1BG A1CF A2BP1 ... ZZZ3 psiTPTE22 tAKR
[["MESO_RPPAArray-20160128"]] 14-3-3_beta ... p90RSK_pT359_S363
[["MESO_Methylation-20160128"]] cg00000029 cg00000108 ... rs966367 rs9839873

> colnames( MESO )
CharacterList of length 10
[["MESO_CNASNP-20160128"]] TCGA-3H-AB3K-01A-11D-A39Q-01 ...
[["MESO_CNVSNP-20160128"]] TCGA-3H-AB3K-01A-11D-A39Q-01 ...
[["MESO_GISTIC_AllByGene-20160128"]] TCGA-3H-AB3K-01A-11D-A39Q-01 ...
[["MESO_GISTIC_Peaks-20160128"]] TCGA-3H-AB3K-01A-11D-A39Q-01 ...
[["MESO_GISTIC_ThresholdedByGene-20160128"]] TCGA-3H-AB3K-01A-11D-A39Q-01 ...
[["MESO_miRNASeqGene-20160128"]] TCGA-3H-AB3K-01A-11R-A404-13 ...
[["MESO_RNASeq2Gene-20160128"]] TCGA-3H-AB3K-01A-11R-A40A-07 ...
[["MESO_RNASeq2GeneNorm-20160128"]] TCGA-3H-AB3K-01A-11R-A40A-07 ...
[["MESO_RPPAArray-20160128"]] TCGA-3H-AB3K-01A-21-A450-20 ...
[["MESO_Methylation-20160128"]] TCGA-3H-AB3K-01A-11D-A39S-05 ...
```

Sizes of each ExperimentList element:

		assay size.Mb
1	MESO_CNASNP-20160128	2.5 Mb
2	MESO_CNVSNP-20160128	0.6 Mb
3	MESO_GISTIC_AllByGene-20160128	19.9 Mb
4	MESO_GISTIC_Peaks-20160128	0.1 Mb
5	MESO_GISTIC_ThresholdedByGene-20160128	19.8 Mb

```

6          MESO_miRNASeqGene-20160128  0.9 Mb
7          MESO_RNASeq2Gene-20160128 16.2 Mb
8          MESO_RNASeq2GeneNorm-20160128 16.2 Mb
9          MESO_RPPAArray-20160128  0.1 Mb
10         MESO_Methylation-20160128   75 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

Including an additional 636 columns

```

MESO-v2.1.0

Mesothelioma

Description

A document describing the TCGA cancer code

Details

```

> experiments( MESO )
ExperimentList class object of length 10:
[1] MESO_CNASNP-20160128: RaggedExperiment with 90003 rows and 173 columns
[2] MESO_CNVSNP-20160128: RaggedExperiment with 18335 rows and 172 columns
[3] MESO_GISTIC_AllByGene-20160128: SummarizedExperiment with 24776 rows and 87 columns
[4] MESO_GISTIC_Peaks-20160128: RangedSummarizedExperiment with 21 rows and 87 columns

```

```
[5] MESO_GISTIC_ThresholdedByGene-20160128: SummarizedExperiment with 24776 rows and 87 columns
[6] MESO_RNASeq2Gene-20160128: SummarizedExperiment with 20501 rows and 87 columns
[7] MESO_RPPAArray-20160128: SummarizedExperiment with 193 rows and 63 columns
[8] MESO_miRNASeqGene-20160128: SummarizedExperiment with 1046 rows and 87 columns
[9] MESO_RNASeq2GeneNorm-20160128: SummarizedExperiment with 18192 rows and 87 columns
[10] MESO_Methylation-20160128: SummarizedExperiment with 485577 rows and 87 columns
```

```
> rownames( MESO )
CharacterList of length 10
[["MESO_CNASNP-20160128"]] character(0)
[["MESO_CNVSNP-20160128"]] character(0)
[["MESO_GISTIC_AllByGene-20160128"]] character(0)
[["MESO_GISTIC_Peaks-20160128"]] 1 2 3 4 5 6 7 8 ... 14 15 16 17 18 19 20 21
[["MESO_GISTIC_ThresholdedByGene-20160128"]] character(0)
[["MESO_RNASeq2Gene-20160128"]] A1BG A1CF A2BP1 A2LD1 ... ZZZ3 psiTPTE22 tAKR
[["MESO_RPPAArray-20160128"]] 14-3-3_beta ... p90RSK_pT359_S363
[["MESO_miRNASeqGene-20160128"]] hsa-let-7a-1 hsa-let-7a-2 ... hsa-mir-99b
[["MESO_RNASeq2GeneNorm-20160128"]] A1BG A2BP1 A2LD1 ... ZZEF1 ZZZ3 psiTPTE22
[["MESO_Methylation-20160128"]] cg00000029 cg00000108 ... rs966367 rs9839873
```

```
> colnames( MESO )
CharacterList of length 10
[["MESO_CNASNP-20160128"]] TCGA-3H-AB3K-01A-11D-A39Q-01 ...
[["MESO_CNVSNP-20160128"]] TCGA-3H-AB3K-01A-11D-A39Q-01 ...
[["MESO_GISTIC_AllByGene-20160128"]] TCGA-3H-AB3K-01A-11D-A39Q-01 ...
[["MESO_GISTIC_Peaks-20160128"]] TCGA-3H-AB3K-01A-11D-A39Q-01 ...
[["MESO_GISTIC_ThresholdedByGene-20160128"]] TCGA-3H-AB3K-01A-11D-A39Q-01 ...
[["MESO_RNASeq2Gene-20160128"]] TCGA-3H-AB3K-01A-11R-A40A-07 ...
[["MESO_RPPAArray-20160128"]] TCGA-3H-AB3K-01A-21-A450-20 ...
[["MESO_miRNASeqGene-20160128"]] TCGA-3H-AB3K-01A-11R-A404-13 ...
[["MESO_RNASeq2GeneNorm-20160128"]] TCGA-3H-AB3K-01 ... TCGA-ZN-A9VW-01
[["MESO_Methylation-20160128"]] TCGA-3H-AB3K-01A-11D-A39S-05 ...
```

Sizes of each ExperimentList element:

		assay size.Mb
1	MESO_CNASNP-20160128	2.5 Mb
2	MESO_CNVSNP-20160128	0.6 Mb
3	MESO_GISTIC_AllByGene-20160128	19.9 Mb
4	MESO_GISTIC_Peaks-20160128	0.1 Mb
5	MESO_GISTIC_ThresholdedByGene-20160128	19.8 Mb
6	MESO_RNASeq2Gene-20160128	16.2 Mb
7	MESO_RPPAArray-20160128	0.1 Mb
8	MESO_miRNASeqGene-20160128	0.9 Mb
9	MESO_RNASeq2GeneNorm-20160128	14.3 Mb
10	MESO_Methylation-20160128	75 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

[1,] 73 73 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

Including an additional 636 columns

OV

Ovarian serous cystadenocarcinoma

Description

A document describing the TCGA cancer code

Details

```
> experiments( OV )
```

ExperimentList class object of length 19:

- [1] OV_CNACGH_CGH_hg_244a-20160128: RaggedExperiment with 128946 rows and 472 columns
- [2] OV_CNACGH_CGH_hg_415k_g4124a-20160128: RaggedExperiment with 245847 rows and 674 columns
- [3] OV_CNASNP-20160128: RaggedExperiment with 907765 rows and 1145 columns
- [4] OV_CNVSNP-20160128: RaggedExperiment with 261680 rows and 1141 columns
- [5] OV_GISTIC_AllByGene-20160128: SummarizedExperiment with 24776 rows and 573 columns
- [6] OV_GISTIC_Peaks-20160128: RangedSummarizedExperiment with 70 rows and 573 columns
- [7] OV_GISTIC_ThresholdedByGene-20160128: SummarizedExperiment with 24776 rows and 573 columns
- [8] OV_miRNAArray-20160128: SummarizedExperiment with 821 rows and 573 columns
- [9] OV_miRNASeqGene-20160128: SummarizedExperiment with 705 rows and 461 columns
- [10] OV_mRNAArray_huex-20160128: SummarizedExperiment with 18632 rows and 575 columns
- [11] OV_mRNAArray_TX_g4502a_1-20160128: SummarizedExperiment with 17814 rows and 546 columns
- [12] OV_mRNAArray_TX_g4502a-20160128: SummarizedExperiment with 17814 rows and 31 columns
- [13] OV_mRNAArray_TX_ht_hg_u133a-20160128: SummarizedExperiment with 12042 rows and 524 columns
- [14] OV_Mutation-20160128: RaggedExperiment with 20219 rows and 316 columns
- [15] OV_RNASeq2GeneNorm-20160128: SummarizedExperiment with 20501 rows and 307 columns

```
[16] OV_RNASeqGene-20160128: SummarizedExperiment with 19990 rows and 299 columns
[17] OV_RPPAArray-20160128: SummarizedExperiment with 208 rows and 427 columns
[18] OV_Methylation_methyl27-20160128: SummarizedExperiment with 27578 rows and 591 columns
[19] OV_Methylation_methyl450-20160128: SummarizedExperiment with 485577 rows and 10 columns
```

```
> rownames( OV )
CharacterList of length 19
[["OV_CNACGH_CGH_hg_244a-20160128"]] character(0)
[["OV_CNACGH_CGH_hg_415k_g4124a-20160128"]] character(0)
[["OV_CNASNP-20160128"]] character(0)
[["OV_CNVSNP-20160128"]] character(0)
[["OV_GISTIC_AllByGene-20160128"]] ACAP3 ACTRT2 ... WASIR1|ENSG00000185203.7
[["OV_GISTIC_Peaks-20160128"]] chr1:26963410-27570286 ...
[["OV_GISTIC_ThresholdedByGene-20160128"]] ACAP3 ... WASIR1|ENSG00000185203.7
[["OV_miRNAArray-20160128"]] DarkCorner dmr_285 ... NegativeControl SCorner3
[["OV_miRNASeqGene-20160128"]] hsa-let-7a-1 hsa-let-7a-2 ... hsa-mir-99b
[["OV_mRNAArray_huex-20160128"]] C9orf152 ELMO2 RPS11 ... SLC39A6 CTSC AQP7
...
<9 more elements>
```

```
> colnames( OV )
CharacterList of length 19
[["OV_CNACGH_CGH_hg_244a-20160128"]] TCGA-04-1331-01A-01D-0431-02 ...
[["OV_CNACGH_CGH_hg_415k_g4124a-20160128"]] TCGA-04-1353-01A-01D-1046-02 ...
[["OV_CNASNP-20160128"]] TCGA-04-1331-01A-01D-0428-01 ...
[["OV_CNVSNP-20160128"]] TCGA-04-1331-01A-01D-0428-01 ...
[["OV_GISTIC_AllByGene-20160128"]] TCGA-04-1331-01A-01D-0428-01 ...
[["OV_GISTIC_Peaks-20160128"]] TCGA-04-1331-01A-01D-0428-01 ...
[["OV_GISTIC_ThresholdedByGene-20160128"]] TCGA-04-1331-01A-01D-0428-01 ...
[["OV_miRNAArray-20160128"]] TCGA-04-1331-01A-01T-0438-07 ...
[["OV_miRNASeqGene-20160128"]] TCGA-04-1331-01A-01R-1569-13 ...
[["OV_mRNAArray_huex-20160128"]] TCGA-04-1331-01A-01R-0435-03 ...
...
<9 more elements>
```

Sizes of each ExperimentList element:

		assay size.Mb
1	OV_CNACGH_CGH_hg_244a-20160128	3.6 Mb
2	OV_CNACGH_CGH_hg_415k_g4124a-20160128	6.8 Mb
3	OV_CNASNP-20160128	24.6 Mb
4	OV_CNVSNP-20160128	7.3 Mb
5	OV_GISTIC_AllByGene-20160128	4.9 Mb
6	OV_GISTIC_Peaks-20160128	0.1 Mb
7	OV_GISTIC_ThresholdedByGene-20160128	4.9 Mb
8	OV_miRNAArray-20160128	0.1 Mb
9	OV_miRNASeqGene-20160128	0.1 Mb
10	OV_mRNAArray_huex-20160128	1.2 Mb
11	OV_mRNAArray_TX_g4502a_1-20160128	1.2 Mb
12	OV_mRNAArray_TX_g4502a-20160128	1.1 Mb
13	OV_mRNAArray_TX_ht_hg_u133a-20160128	0.8 Mb
14	OV_Mutation-20160128	10.3 Mb

```

15          OV_RNASeq2GeneNorm-20160128  1.3 Mb
16          OV_RNASeqGene-20160128      1.3 Mb
17          OV_RPPAArray-20160128       0.1 Mb
18  OV_Methylation_methyl27-20160128    4.9 Mb
19  OV_Methylation_methyl450-20160128   75 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
```

Including an additional 2869 columns

See Also

[OV-v2.0.1](#)

OV-v2.0.1	<i>Ovarian serous cystadenocarcinoma</i>
-----------	--

Description

A document describing the TCGA cancer code

Details

```
> experiments( OV )
ExperimentList class object of length 19:
[1] OV_CNACGH_CGH_hg_244a-20160128: RaggedExperiment with 128946 rows and 472 columns
[2] OV_CNACGH_CGH_hg_415k_g4124a-20160128: RaggedExperiment with 245847 rows and 674 columns
[3] OV_CNASNP-20160128: RaggedExperiment with 907765 rows and 1145 columns
[4] OV_CNVSNP-20160128: RaggedExperiment with 261680 rows and 1141 columns
[5] OV_GISTIC_AllByGene-20160128: SummarizedExperiment with 24776 rows and 573 columns
[6] OV_GISTIC_Peaks-20160128: RangedSummarizedExperiment with 70 rows and 573 columns
[7] OV_GISTIC_ThresholdedByGene-20160128: SummarizedExperiment with 24776 rows and 573 columns
[8] OV_miRNAArray-20160128: SummarizedExperiment with 821 rows and 573 columns
[9] OV_miRNASeqGene-20160128: SummarizedExperiment with 705 rows and 461 columns
[10] OV_mRNAArray_huex-20160128: SummarizedExperiment with 18632 rows and 575 columns
[11] OV_mRNAArray_TX_g4502a-20160128: SummarizedExperiment with 17814 rows and 577 columns
[12] OV_mRNAArray_TX_ht_hg_u133a-20160128: SummarizedExperiment with 12042 rows and 524 columns
[13] OV_Mutation-20160128: RaggedExperiment with 20219 rows and 316 columns
[14] OV_RNASeq2Gene-20160128: SummarizedExperiment with 20501 rows and 307 columns
[15] OV_RNASeq2GeneNorm-20160128: SummarizedExperiment with 20501 rows and 307 columns
[16] OV_RNASeqGene-20160128: SummarizedExperiment with 19990 rows and 299 columns
```

```
[17] OV_RPPAArray-20160128: SummarizedExperiment with 208 rows and 427 columns
[18] OV_Methylation_methyl27-20160128: SummarizedExperiment with 27578 rows and 591 columns
[19] OV_Methylation_methyl450-20160128: SummarizedExperiment with 485577 rows and 10 columns
```

```
> rownames( OV )
CharacterList of length 19
[["OV_CNACGH_CGH_hg_244a-20160128"]] character(0)
[["OV_CNACGH_CGH_hg_415k_g4124a-20160128"]] character(0)
[["OV_CNASNP-20160128"]] character(0)
[["OV_CNVSNP-20160128"]] character(0)
[["OV_GISTIC_AllByGene-20160128"]] character(0)
[["OV_GISTIC_Peaks-20160128"]] 34 1 2 35 3 36 4 37 ... 70 28 29 30 71 31 72
[["OV_GISTIC_ThresholdedByGene-20160128"]] character(0)
[["OV_miRNAArray-20160128"]] DarkCorner dmr_285 ... NegativeControl SCorner3
[["OV_miRNASeqGene-20160128"]] hsa-let-7a-1 hsa-let-7a-2 ... hsa-mir-99b
[["OV_mRNAArray_huex-20160128"]] C9orf152 ELMO2 RPS11 ... SLC39A6 CTSC AQP7
...
<9 more elements>
```

```
> colnames( OV )
CharacterList of length 19
[["OV_CNACGH_CGH_hg_244a-20160128"]] TCGA-04-1331-01A-01D-0431-02 ...
[["OV_CNACGH_CGH_hg_415k_g4124a-20160128"]] TCGA-04-1353-01A-01D-1046-02 ...
[["OV_CNASNP-20160128"]] TCGA-04-1331-01A-01D-0428-01 ...
[["OV_CNVSNP-20160128"]] TCGA-04-1331-01A-01D-0428-01 ...
[["OV_GISTIC_AllByGene-20160128"]] TCGA-04-1331-01A-01D-0428-01 ...
[["OV_GISTIC_Peaks-20160128"]] TCGA-04-1331-01A-01D-0428-01 ...
[["OV_GISTIC_ThresholdedByGene-20160128"]] TCGA-04-1331-01A-01D-0428-01 ...
[["OV_miRNAArray-20160128"]] TCGA-04-1331-01A-01T-0438-07 ...
[["OV_miRNASeqGene-20160128"]] TCGA-04-1331-01A-01R-1569-13 ...
[["OV_mRNAArray_huex-20160128"]] TCGA-04-1331-01A-01R-0435-03 ...
...
<9 more elements>
```

Sizes of each ExperimentList element:

	assay	size.Mb
1	OV_CNACGH_CGH_hg_244a-20160128	3.6 Mb
2	OV_CNACGH_CGH_hg_415k_g4124a-20160128	6.8 Mb
3	OV_CNASNP-20160128	24.6 Mb
4	OV_CNVSNP-20160128	7.3 Mb
5	OV_GISTIC_AllByGene-20160128	112 Mb
6	OV_GISTIC_Peaks-20160128	0.5 Mb
7	OV_GISTIC_ThresholdedByGene-20160128	111.7 Mb
8	OV_miRNAArray-20160128	3.8 Mb
9	OV_miRNASeqGene-20160128	2.7 Mb
10	OV_mRNAArray_huex-20160128	84.2 Mb
11	OV_mRNAArray_TX_g4502a-20160128	80.7 Mb
12	OV_mRNAArray_TX_ht_hg_u133a-20160128	49.7 Mb
13	OV_Mutation-20160128	10.3 Mb
14	OV_RNASeq2Gene-20160128	50.6 Mb
15	OV_RNASeq2GeneNorm-20160128	50.6 Mb

```

16          OV_RNASeqGene-20160128  48.1 Mb
17          OV_RPPAArray-20160128   0.8 Mb
18  OV_Methylation_methyl27-20160128  4.9 Mb
19  OV_Methylation_methyl450-20160128  75 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:

	NA's
serous cystadenocarcinoma	10
	580

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

Including an additional 2869 columns

OV-v2.1.0

Ovarian serous cystadenocarcinoma

Description

A document describing the TCGA cancer code

Details

```
> experiments( OV )
ExperimentList class object of length 19:
[1] OV_CNACGH_CGH_hg_244a-20160128: RaggedExperiment with 128946 rows and 472 columns
[2] OV_CNACGH_CGH_hg_415k_g4124a-20160128: RaggedExperiment with 245847 rows and 674 columns
[3] OV_CNASNP-20160128: RaggedExperiment with 907765 rows and 1145 columns
[4] OV_CNVSNP-20160128: RaggedExperiment with 261680 rows and 1141 columns
[5] OV_GISTIC_AllByGene-20160128: SummarizedExperiment with 24776 rows and 573 columns
[6] OV_GISTIC_Peaks-20160128: RangedSummarizedExperiment with 70 rows and 573 columns
[7] OV_GISTIC_ThresholdedByGene-20160128: SummarizedExperiment with 24776 rows and 573 columns
[8] OV_miRNAArray-20160128: SummarizedExperiment with 821 rows and 573 columns
[9] OV_mRNAArray_huex-20160128: SummarizedExperiment with 18632 rows and 575 columns
[10] OV_mRNAArray_TX_g4502a-20160128: SummarizedExperiment with 17814 rows and 577 columns
[11] OV_mRNAArray_TX_ht_hg_u133a-20160128: SummarizedExperiment with 12042 rows and 524 columns
[12] OV_Mutation-20160128: RaggedExperiment with 20219 rows and 316 columns
[13] OV_RNASeq2Gene-20160128: SummarizedExperiment with 20501 rows and 307 columns
[14] OV_RNASeqGene-20160128: SummarizedExperiment with 19990 rows and 299 columns
[15] OV_RPPAArray-20160128: SummarizedExperiment with 208 rows and 427 columns
[16] OV_miRNASeqGene-20160128: SummarizedExperiment with 705 rows and 461 columns
[17] OV_RNASeq2GeneNorm-20160128: SummarizedExperiment with 18571 rows and 307 columns
[18] OV_Methylation_methyl27-20160128: SummarizedExperiment with 27578 rows and 591 columns
[19] OV_Methylation_methyl450-20160128: SummarizedExperiment with 485577 rows and 10 columns

> rownames( OV )
```

```

CharacterList of length 19
[["OV_CNACGH_CGH_hg_244a-20160128"]] character(0)
[["OV_CNACGH_CGH_hg_415k_g4124a-20160128"]] character(0)
[["OV_CNASNP-20160128"]] character(0)
[["OV_CNVSNP-20160128"]] character(0)
[["OV_GISTIC_AllByGene-20160128"]] character(0)
[["OV_GISTIC_Peaks-20160128"]] 34 1 2 35 3 36 4 37 ... 70 28 29 30 71 31 72
[["OV_GISTIC_ThresholdedByGene-20160128"]] character(0)
[["OV_miRNAArray-20160128"]] DarkCorner dmr_285 ... NegativeControl SCorner3
[["OV_mRNAArray_huex-20160128"]] C9orf152 ELMO2 RPS11 ... SLC39A6 CTSC AQP7
[["OV_mRNAArray_TX_g4502a-20160128"]] ELMO2 CREB3L1 RPS11 ... AQP7 CTSC
...
<9 more elements>

```

```

> colnames( OV )
CharacterList of length 19
[["OV_CNACGH_CGH_hg_244a-20160128"]] TCGA-04-1331-01A-01D-0431-02 ...
[["OV_CNACGH_CGH_hg_415k_g4124a-20160128"]] TCGA-04-1353-01A-01D-1046-02 ...
[["OV_CNASNP-20160128"]] TCGA-04-1331-01A-01D-0428-01 ...
[["OV_CNVSNP-20160128"]] TCGA-04-1331-01A-01D-0428-01 ...
[["OV_GISTIC_AllByGene-20160128"]] TCGA-04-1331-01A-01D-0428-01 ...
[["OV_GISTIC_Peaks-20160128"]] TCGA-04-1331-01A-01D-0428-01 ...
[["OV_GISTIC_ThresholdedByGene-20160128"]] TCGA-04-1331-01A-01D-0428-01 ...
[["OV_miRNAArray-20160128"]] TCGA-04-1331-01A-01T-0438-07 ...
[["OV_mRNAArray_huex-20160128"]] TCGA-04-1331-01A-01R-0435-03 ...
[["OV_mRNAArray_TX_g4502a-20160128"]] TCGA-09-0364-01A-02R-0363-07 ...
...
<9 more elements>

```

Sizes of each ExperimentList element:

	assay	size.Mb
1	OV_CNACGH_CGH_hg_244a-20160128	3.6 Mb
2	OV_CNACGH_CGH_hg_415k_g4124a-20160128	6.8 Mb
3	OV_CNASNP-20160128	24.6 Mb
4	OV_CNVSNP-20160128	7.3 Mb
5	OV_GISTIC_AllByGene-20160128	112 Mb
6	OV_GISTIC_Peaks-20160128	0.5 Mb
7	OV_GISTIC_ThresholdedByGene-20160128	111.7 Mb
8	OV_miRNAArray-20160128	3.8 Mb
9	OV_mRNAArray_huex-20160128	84.2 Mb
10	OV_mRNAArray_TX_g4502a-20160128	80.7 Mb
11	OV_mRNAArray_TX_ht_hg_u133a-20160128	49.7 Mb
12	OV_Mutation-20160128	10.3 Mb
13	OV_RNASeq2Gene-20160128	50.6 Mb
14	OV_RNASeqGene-20160128	48.1 Mb
15	OV_RPPAArray-20160128	0.8 Mb
16	OV_miRNASeqGene-20160128	2.7 Mb
17	OV_RNASeq2GeneNorm-20160128	45.8 Mb
18	OV_Methylation_methyl27-20160128	4.9 Mb
19	OV_Methylation_methyl450-20160128	75 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
[1,] 343 343 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

```

Including an additional 2869 columns

OV-v2.1.1

Ovarian serous cystadenocarcinoma

Description

A document describing the TCGA cancer code Note. Only the colData has changed.

Details

```

> experiments( OV )
ExperimentList class object of length 0:

```

```

> rownames( OV )
CharacterList of length 0

```

```

> colnames( OV )
CharacterList of length 0

```

Sizes of each ExperimentList element:

```

[1] assay    size.Mb
<0 rows> (or 0-length row.names)

```

```

-----
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
[1,] 343      343   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	68.75	89.00	22

vital_status:

0	1	NA's
247	344	1

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	249

days_to_last_followup:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
16	268	837	1214	1919	5481	359

tumor_tissue_site:

omentum	ovary	peritoneum	ovary	NA's
3	576		2	11

gender:

female	NA's
581	11

date_of_initial_pathologic_diagnosis:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1992	2001	2004	2004	2007	2013	11

radiation_therapy:

no	yes	NA's
557	5	30

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	508

histological_type:

serous	cystadenocarcinoma	NA's
	581	11

residual_tumor:

r0	r1	r2	rx	NA's
16	31	5	3	537

ethnicity:

hispanic	or latino	not hispanic	or latino	NA's
		11	338	243

Including an additional 2850 columns

PAAD

*Pancreatic adenocarcinoma***Description**

A document describing the TCGA cancer code

Details

```
> experiments( PAAD )
ExperimentList class object of length 10:
 [1] PAAD_CNASNP-20160128: RaggedExperiment with 203871 rows and 368 columns
 [2] PAAD_CNVSNP-20160128: RaggedExperiment with 34808 rows and 365 columns
 [3] PAAD_GISTIC_AllByGene-20160128: SummarizedExperiment with 24776 rows and 184 columns
 [4] PAAD_GISTIC_Peaks-20160128: RangedSummarizedExperiment with 52 rows and 184 columns
 [5] PAAD_GISTIC_ThresholdedByGene-20160128: SummarizedExperiment with 24776 rows and 184 columns
 [6] PAAD_miRNASeqGene-20160128: SummarizedExperiment with 1046 rows and 183 columns
 [7] PAAD_Mutation-20160128: RaggedExperiment with 30357 rows and 150 columns
 [8] PAAD_RNASeq2GeneNorm-20160128: SummarizedExperiment with 20501 rows and 183 columns
 [9] PAAD_RPPAArray-20160128: SummarizedExperiment with 195 rows and 123 columns
[10] PAAD_Methylation-20160128: SummarizedExperiment with 485577 rows and 195 columns

> rownames( PAAD )
CharacterList of length 10
[["PAAD_CNASNP-20160128"]] character(0)
[["PAAD_CNVSNP-20160128"]] character(0)
[["PAAD_GISTIC_AllByGene-20160128"]] ACAP3 ... WASIR1|ENSG00000185203.7
[["PAAD_GISTIC_Peaks-20160128"]] chr1:26795113-27650365 ...
[["PAAD_GISTIC_ThresholdedByGene-20160128"]] ACAP3 ...
[["PAAD_miRNASeqGene-20160128"]] hsa-let-7a-1 hsa-let-7a-2 ... hsa-mir-99b
[["PAAD_Mutation-20160128"]] character(0)
[["PAAD_RNASeq2GeneNorm-20160128"]] A1BG A1CF A2BP1 ... ZZZ3 psiTPTE22 tAKR
[["PAAD_RPPAArray-20160128"]] 14-3-3_beta ... p90RSK_pT359_S363
[["PAAD_Methylation-20160128"]] cg00000029 cg00000108 ... rs966367 rs9839873

> colnames( PAAD )
CharacterList of length 10
[["PAAD_CNASNP-20160128"]] TCGA-2J-AAB1-01A-11D-A40V-01 ...
[["PAAD_CNVSNP-20160128"]] TCGA-2J-AAB1-01A-11D-A40V-01 ...
[["PAAD_GISTIC_AllByGene-20160128"]] TCGA-2J-AAB1-01A-11D-A40V-01 ...
[["PAAD_GISTIC_Peaks-20160128"]] TCGA-2J-AAB1-01A-11D-A40V-01 ...
[["PAAD_GISTIC_ThresholdedByGene-20160128"]] TCGA-2J-AAB1-01A-11D-A40V-01 ...
[["PAAD_miRNASeqGene-20160128"]] TCGA-2J-AAB1-01A-11R-A41G-13 ...
[["PAAD_Mutation-20160128"]] TCGA-2J-AAB1-01A-11D-A40W-08 ...
[["PAAD_RNASeq2GeneNorm-20160128"]] TCGA-2J-AAB1-01A-11R-A41B-07 ...
[["PAAD_RPPAArray-20160128"]] TCGA-2J-AAB4-01A-21-A43K-20 ...
[["PAAD_Methylation-20160128"]] TCGA-2J-AAB1-01A-11D-A40Y-05 ...
```

Sizes of each ExperimentList element:

assay size.Mb

1	PAAD_CNASNP-20160128	5.6 Mb
2	PAAD_CNVSNP-20160128	1 Mb
3	PAAD_GISTIC_AllByGene-20160128	4.9 Mb
4	PAAD_GISTIC_Peaks-20160128	0.1 Mb
5	PAAD_GISTIC_ThresholdedByGene-20160128	4.9 Mb
6	PAAD_miRNASeqGene-20160128	0.1 Mb
7	PAAD_Mutation-20160128	111 Mb
8	PAAD_RNASeq2GeneNorm-20160128	1.3 Mb
9	PAAD_RPPAArray-20160128	0 Mb
10	PAAD_Methylation-20160128	75 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

date_of_initial_pathologic_diagnosis:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
2001	2010	2012	2011	2012	2013	
						1

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

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

year_of_tobacco_smoking_onset:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1948	1960	1971	1971	1982	1993	138

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

11 7

NA's

5

white

162

ethnicity:

hispanic or latino	not hispanic or latino	NA's
5	137	43

Including an additional 960 columns

See Also

[PAAD-v2.0.1](#)

PAAD-v2.0.1

Pancreatic adenocarcinoma

Description

A document describing the TCGA cancer code

Details

```
> experiments( PAAD )
ExperimentList class object of length 11:
 [1] PAAD_CNASNP-20160128: RaggedExperiment with 203871 rows and 368 columns
 [2] PAAD_CNVSNP-20160128: RaggedExperiment with 34808 rows and 365 columns
 [3] PAAD_GISTIC_AllByGene-20160128: SummarizedExperiment with 24776 rows and 184 columns
 [4] PAAD_GISTIC_Peaks-20160128: RangedSummarizedExperiment with 52 rows and 184 columns
 [5] PAAD_GISTIC_ThresholdedByGene-20160128: SummarizedExperiment with 24776 rows and 184 columns
 [6] PAAD_miRNASeqGene-20160128: SummarizedExperiment with 1046 rows and 183 columns
 [7] PAAD_Mutation-20160128: RaggedExperiment with 30357 rows and 150 columns
 [8] PAAD_RNASeq2Gene-20160128: SummarizedExperiment with 20501 rows and 183 columns
 [9] PAAD_RNASeq2GeneNorm-20160128: SummarizedExperiment with 20501 rows and 183 columns
[10] PAAD_RPPAArray-20160128: SummarizedExperiment with 195 rows and 123 columns
[11] PAAD_Methylation-20160128: SummarizedExperiment with 485577 rows and 195 columns

> rownames( PAAD )
CharacterList of length 11
[["PAAD_CNASNP-20160128"]] character(0)
[["PAAD_CNVSNP-20160128"]] character(0)
[["PAAD_GISTIC_AllByGene-20160128"]] character(0)
[["PAAD_GISTIC_Peaks-20160128"]] 24 1 2 3 25 4 26 5 ... 49 50 21 51 22 52 53
[["PAAD_GISTIC_ThresholdedByGene-20160128"]] character(0)
[["PAAD_miRNASeqGene-20160128"]] hsa-let-7a-1 hsa-let-7a-2 ... hsa-mir-99b
[["PAAD_Mutation-20160128"]] character(0)
[["PAAD_RNASeq2Gene-20160128"]] A1BG A1CF A2BP1 A2LD1 ... ZZZ3 psiTPTE22 tAKR
[["PAAD_RNASeq2GeneNorm-20160128"]] A1BG A1CF A2BP1 ... ZZZ3 psiTPTE22 tAKR
[["PAAD_RPPAArray-20160128"]] 14-3-3_beta ... p90RSK_pT359_S363
...
<1 more element>

> colnames( PAAD )
CharacterList of length 11
[["PAAD_CNASNP-20160128"]] TCGA-2J-AAB1-01A-11D-A40V-01 ...
[["PAAD_CNVSNP-20160128"]] TCGA-2J-AAB1-01A-11D-A40V-01 ...
```

```

[["PAAD_GISTIC_AllByGene-20160128"]] TCGA-2J-AAB1-01A-11D-A40V-01 ...
[["PAAD_GISTIC_Peaks-20160128"]] TCGA-2J-AAB1-01A-11D-A40V-01 ...
[["PAAD_GISTIC_ThresholdedByGene-20160128"]] TCGA-2J-AAB1-01A-11D-A40V-01 ...
[["PAAD_miRNASeqGene-20160128"]] TCGA-2J-AAB1-01A-11R-A41G-13 ...
[["PAAD_Mutation-20160128"]] TCGA-2J-AAB1-01A-11D-A40W-08 ...
[["PAAD_RNASeq2Gene-20160128"]] TCGA-2J-AAB1-01A-11R-A41B-07 ...
[["PAAD_RNASeq2GeneNorm-20160128"]] TCGA-2J-AAB1-01A-11R-A41B-07 ...
[["PAAD_RPPAArray-20160128"]] TCGA-2J-AAB4-01A-21-A43K-20 ...
...
<1 more element>

```

Sizes of each ExperimentList element:

		assay size.Mb
1	PAAD_CNASNP-20160128	5.6 Mb
2	PAAD_CNVSNP-20160128	1 Mb
3	PAAD_GISTIC_AllByGene-20160128	38.3 Mb
4	PAAD_GISTIC_Peaks-20160128	0.2 Mb
5	PAAD_GISTIC_ThresholdedByGene-20160128	38.1 Mb
6	PAAD_miRNASeqGene-20160128	1.6 Mb
7	PAAD_Mutation-20160128	111 Mb
8	PAAD_RNASeq2Gene-20160128	31.2 Mb
9	PAAD_RNASeq2GeneNorm-20160128	31.2 Mb
10	PAAD_RPPAArray-20160128	0.2 Mb
11	PAAD_Methylation-20160128	75 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

date_of_initial_pathologic_diagnosis:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
2001	2010	2012	2011	2012	2013	1

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

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

year_of_tobacco_smoking_onset:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
1948	1960	1971	1971	1982	1993	138

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

Including an additional 960 columns

PAAD-v2.1.0

Pancreatic adenocarcinoma

Description

A document describing the TCGA cancer code

Details

```
> experiments( PAAD )
ExperimentList class object of length 11:
 [1] PAAD_CNASNP-20160128: RaggedExperiment with 203871 rows and 368 columns
 [2] PAAD_CNVSNP-20160128: RaggedExperiment with 34808 rows and 365 columns
 [3] PAAD_GISTIC_AllByGene-20160128: SummarizedExperiment with 24776 rows and 184 columns
 [4] PAAD_GISTIC_Peaks-20160128: RangedSummarizedExperiment with 52 rows and 184 columns
 [5] PAAD_GISTIC_ThresholdedByGene-20160128: SummarizedExperiment with 24776 rows and 184 columns
 [6] PAAD_Mutation-20160128: RaggedExperiment with 30357 rows and 150 columns
 [7] PAAD_RNASeq2Gene-20160128: SummarizedExperiment with 20501 rows and 183 columns
 [8] PAAD_RPPAArray-20160128: SummarizedExperiment with 195 rows and 123 columns
 [9] PAAD_miRNASeqGene-20160128: SummarizedExperiment with 1046 rows and 183 columns
[10] PAAD_RNASeq2GeneNorm-20160128: SummarizedExperiment with 18465 rows and 183 columns
[11] PAAD_Methylation-20160128: SummarizedExperiment with 485577 rows and 195 columns

> rownames( PAAD )
CharacterList of length 11
[["PAAD_CNASNP-20160128"]] character(0)
[["PAAD_CNVSNP-20160128"]] character(0)
[["PAAD_GISTIC_AllByGene-20160128"]] character(0)
[["PAAD_GISTIC_Peaks-20160128"]] 24 1 2 3 25 4 26 5 ... 49 50 21 51 22 52 53
[["PAAD_GISTIC_ThresholdedByGene-20160128"]] character(0)
[["PAAD_Mutation-20160128"]] character(0)
```

```

[["PAAD_RNASeq2Gene-20160128"]] A1BG A1CF A2BP1 A2LD1 ... ZZZ3 psiTPTE22 tAKR
[["PAAD_RPPAArray-20160128"]] 14-3-3_beta ... p90RSK_pT359_S363
[["PAAD_miRNASeqGene-20160128"]] hsa-let-7a-1 hsa-let-7a-2 ... hsa-mir-99b
[["PAAD_RNASeq2GeneNorm-20160128"]] A1BG A1CF A2BP1 ... ZZE1 ZZZ3 psiTPTE22
...
<1 more element>

```

```

> colnames( PAAD )
CharacterList of length 11
[["PAAD_CNASNP-20160128"]] TCGA-2J-AAB1-01A-11D-A40V-01 ...
[["PAAD_CNVSNP-20160128"]] TCGA-2J-AAB1-01A-11D-A40V-01 ...
[["PAAD_GISTIC_AllByGene-20160128"]] TCGA-2J-AAB1-01A-11D-A40V-01 ...
[["PAAD_GISTIC_Peaks-20160128"]] TCGA-2J-AAB1-01A-11D-A40V-01 ...
[["PAAD_GISTIC_ThresholdedByGene-20160128"]] TCGA-2J-AAB1-01A-11D-A40V-01 ...
[["PAAD_Mutation-20160128"]] TCGA-2J-AAB1-01A-11D-A40W-08 ...
[["PAAD_RNASeq2Gene-20160128"]] TCGA-2J-AAB1-01A-11R-A41B-07 ...
[["PAAD_RPPAArray-20160128"]] TCGA-2J-AAB4-01A-21-A43K-20 ...
[["PAAD_miRNASeqGene-20160128"]] TCGA-2J-AAB1-01A-11R-A41G-13 ...
[["PAAD_RNASeq2GeneNorm-20160128"]] TCGA-2J-AAB1-01 ... TCGA-Z5-AAPL-01
...
<1 more element>

```

Sizes of each ExperimentList element:

		assay size.Mb
1	PAAD_CNASNP-20160128	5.6 Mb
2	PAAD_CNVSNP-20160128	1 Mb
3	PAAD_GISTIC_AllByGene-20160128	38.3 Mb
4	PAAD_GISTIC_Peaks-20160128	0.2 Mb
5	PAAD_GISTIC_ThresholdedByGene-20160128	38.1 Mb
6	PAAD_Mutation-20160128	111 Mb
7	PAAD_RNASeq2Gene-20160128	31.2 Mb
8	PAAD_RPPAArray-20160128	0.2 Mb
9	PAAD_miRNASeqGene-20160128	1.6 Mb
10	PAAD_RNASeq2GeneNorm-20160128	28.1 Mb
11	PAAD_Methylation-20160128	75 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
[1,] 100    100    1.08    0.967    1.32

```

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
----	-----

date_of_initial_pathologic_diagnosis:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
2001	2010	2012	2011	2012	2013	1

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

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

year_of_tobacco_smoking_onset:
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.   NA's
  1948   1960   1971   1971   1982   1993   138

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

Including an additional 960 columns

```

PCPG

Pheochromocytoma and Paraganglioma

Description

A document describing the TCGA cancer code

Details

```

> experiments( PCPG )
ExperimentList class object of length 10:
 [1] PCPG_CNASNP-20160128: RaggedExperiment with 297329 rows and 360 columns
 [2] PCPG_CNVSNP-20160128: RaggedExperiment with 31256 rows and 346 columns
 [3] PCPG_GISTIC_AllByGene-20160128: SummarizedExperiment with 24776 rows and 162 columns
 [4] PCPG_GISTIC_Peaks-20160128: RangedSummarizedExperiment with 27 rows and 162 columns
 [5] PCPG_GISTIC_ThresholdedByGene-20160128: SummarizedExperiment with 24776 rows and 162 columns
 [6] PCPG_miRNASeqGene-20160128: SummarizedExperiment with 1046 rows and 187 columns
 [7] PCPG_Mutation-20160128: RaggedExperiment with 4662 rows and 184 columns
 [8] PCPG_RNASeq2GeneNorm-20160128: SummarizedExperiment with 20501 rows and 187 columns
 [9] PCPG_RPPAArray-20160128: SummarizedExperiment with 192 rows and 82 columns

```

[10] PCPG_Methylation-20160128: SummarizedExperiment with 485577 rows and 187 columns

```
> rownames( PCPG )
CharacterList of length 10
[["PCPG_CNASNP-20160128"]] character(0)
[["PCPG_CNVSNP-20160128"]] character(0)
[["PCPG_GISTIC_AllByGene-20160128"]] ACAP3 ... WASIR1|ENSG00000185203.7
[["PCPG_GISTIC_Peaks-20160128"]] chr1:117751737-118152240 ...
[["PCPG_GISTIC_ThresholdedByGene-20160128"]] ACAP3 ...
[["PCPG_miRNASeqGene-20160128"]] hsa-let-7a-1 hsa-let-7a-2 ... hsa-mir-99b
[["PCPG_Mutation-20160128"]] character(0)
[["PCPG_RNASeq2GeneNorm-20160128"]] A1BG A1CF A2BP1 ... ZZZ3 psiTPTE22 tAKR
[["PCPG_RPPAArray-20160128"]] 14-3-3_beta ... p90RSK_pT359_S363
[["PCPG_Methylation-20160128"]] cg00000029 cg00000108 ... rs966367 rs9839873

> colnames( PCPG )
CharacterList of length 10
[["PCPG_CNASNP-20160128"]] TCGA-P7-A5NX-10A-01D-A35A-01 ...
[["PCPG_CNVSNP-20160128"]] TCGA-P7-A5NX-10A-01D-A35A-01 ...
[["PCPG_GISTIC_AllByGene-20160128"]] TCGA-P7-A5NY-01A-12D-A35C-01 ...
[["PCPG_GISTIC_Peaks-20160128"]] TCGA-P7-A5NY-01A-12D-A35C-01 ...
[["PCPG_GISTIC_ThresholdedByGene-20160128"]] TCGA-P7-A5NY-01A-12D-A35C-01 ...
[["PCPG_miRNASeqGene-20160128"]] TCGA-P7-A5NX-01A-11R-A35M-13 ...
[["PCPG_Mutation-20160128"]] TCGA-P7-A5NX-01A-11D-A35D-08 ...
[["PCPG_RNASeq2GeneNorm-20160128"]] TCGA-P7-A5NX-01A-11R-A35K-07 ...
[["PCPG_RPPAArray-20160128"]] TCGA-P7-A5NX-01A-21-A43B-20 ...
[["PCPG_Methylation-20160128"]] TCGA-P7-A5NX-01A-11D-A35E-05 ...
```

Sizes of each ExperimentList element:

		assay size.Mb
1	PCPG_CNASNP-20160128	8.1 Mb
2	PCPG_CNVSNP-20160128	0.9 Mb
3	PCPG_GISTIC_AllByGene-20160128	4.9 Mb
4	PCPG_GISTIC_Peaks-20160128	0 Mb
5	PCPG_GISTIC_ThresholdedByGene-20160128	4.9 Mb
6	PCPG_miRNASeqGene-20160128	0.1 Mb
7	PCPG_Mutation-20160128	8.4 Mb
8	PCPG_RNASeq2GeneNorm-20160128	1.3 Mb
9	PCPG_RPPAArray-20160128	0 Mb
10	PCPG_Methylation-20160128	75 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:

female	male
101	78

date_of_initial_pathologic_diagnosis:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.
1988	2009	2011	2010	2012	2013

radiation_therapy:

no	yes	NA's
172	5	2

karnofsky_performance_score:

70	80	90	100	NA's
1	2	13	46	117

histological_type:

	paraganglioma
	18
paraganglioma; extra-adrenal	pheochromocytoma
	13
	pheochromocytoma
	148

number_of_lymph_nodes:

0	1	2	13	NA's
---	---	---	----	------

16 3 1 1 158

race:

american indian or alaska native	asian
1	6
black or african american	white
20	148
NA's	
4	

ethnicity:

hispanic or latino	not hispanic or latino	NA's
5	138	36

Including an additional 894 columns

See Also

[PCPG-v2.0.1](#)

PCPG-v2.0.1

Pheochromocytoma and Paraganglioma

Description

A document describing the TCGA cancer code

Details

```
> experiments( PCPG )
ExperimentList class object of length 11:
 [1] PCPG_CNASNP-20160128: RaggedExperiment with 297329 rows and 360 columns
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 [3] PCPG_GISTIC_AllByGene-20160128: SummarizedExperiment with 24776 rows and 162 columns
 [4] PCPG_GISTIC_Peaks-20160128: RangedSummarizedExperiment with 27 rows and 162 columns
 [5] PCPG_GISTIC_ThresholdedByGene-20160128: SummarizedExperiment with 24776 rows and 162 columns
 [6] PCPG_miRNASeqGene-20160128: SummarizedExperiment with 1046 rows and 187 columns
 [7] PCPG_Mutation-20160128: RaggedExperiment with 4662 rows and 184 columns
 [8] PCPG_RNASeq2Gene-20160128: SummarizedExperiment with 20501 rows and 187 columns
 [9] PCPG_RNASeq2GeneNorm-20160128: SummarizedExperiment with 20501 rows and 187 columns
[10] PCPG_RPPAArray-20160128: SummarizedExperiment with 192 rows and 82 columns
[11] PCPG_Methylation-20160128: SummarizedExperiment with 485577 rows and 187 columns

> rownames( PCPG )
CharacterList of length 11
[1]"PCPG_CNASNP-20160128"] character(0)
[2]"PCPG_CNVSNP-20160128"] character(0)
[3]"PCPG_GISTIC_AllByGene-20160128"] character(0)
[4]"PCPG_GISTIC_Peaks-20160128"] 7 1 8 9 10 11 2 12 ... 22 23 5 24 25 26 6 27
[5]"PCPG_GISTIC_ThresholdedByGene-20160128"] character(0)
[6]"PCPG_miRNASeqGene-20160128"] hsa-let-7a-1 hsa-let-7a-2 ... hsa-mir-99b
```

```

[["PCPG_Mutation-20160128"]] character(0)
[["PCPG_RNASeq2Gene-20160128"]] A1BG A1CF A2BP1 A2LD1 ... ZZZ3 psiTPTE22 tAKR
[["PCPG_RNASeq2GeneNorm-20160128"]] A1BG A1CF A2BP1 ... ZZZ3 psiTPTE22 tAKR
[["PCPG_RPPAArray-20160128"]] 14-3-3_beta ... p90RSK_pT359_S363
...
<1 more element>

```

```

> colnames( PCPG )
CharacterList of length 11
[["PCPG_CNASNP-20160128"]] TCGA-P7-A5NX-10A-01D-A35A-01 ...
[["PCPG_CNVSNP-20160128"]] TCGA-P7-A5NX-10A-01D-A35A-01 ...
[["PCPG_GISTIC_AllByGene-20160128"]] TCGA-P7-A5NY-01A-12D-A35C-01 ...
[["PCPG_GISTIC_Peaks-20160128"]] TCGA-P7-A5NY-01A-12D-A35C-01 ...
[["PCPG_GISTIC_ThresholdedByGene-20160128"]] TCGA-P7-A5NY-01A-12D-A35C-01 ...
[["PCPG_miRNASeqGene-20160128"]] TCGA-P7-A5NX-01A-11R-A35M-13 ...
[["PCPG_Mutation-20160128"]] TCGA-P7-A5NX-01A-11D-A35D-08 ...
[["PCPG_RNASeq2Gene-20160128"]] TCGA-P7-A5NX-01A-11R-A35K-07 ...
[["PCPG_RNASeq2GeneNorm-20160128"]] TCGA-P7-A5NX-01A-11R-A35K-07 ...
[["PCPG_RPPAArray-20160128"]] TCGA-P7-A5NX-01A-21-A43B-20 ...
...
<1 more element>

```

Sizes of each ExperimentList element:

		assay size.Mb
1	PCPG_CNASNP-20160128	8.1 Mb
2	PCPG_CNVSNP-20160128	0.9 Mb
3	PCPG_GISTIC_AllByGene-20160128	34.1 Mb
4	PCPG_GISTIC_Peaks-20160128	0.1 Mb
5	PCPG_GISTIC_ThresholdedByGene-20160128	34 Mb
6	PCPG_miRNASeqGene-20160128	1.7 Mb
7	PCPG_Mutation-20160128	8.4 Mb
8	PCPG_RNASeq2Gene-20160128	31.8 Mb
9	PCPG_RNASeq2GeneNorm-20160128	31.8 Mb
10	PCPG_RPPAArray-20160128	0.2 Mb
11	PCPG_Methylation-20160128	75 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:

female	male
101	78

date_of_initial_pathologic_diagnosis:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.
1988	2009	2011	2010	2012	2013

radiation_therapy:

no	yes	NA's
172	5	2

karnofsky_performance_score:

70	80	90	100	NA's
1	2	13	46	117

histological_type:

	paraganglioma
	18
paraganglioma; extra-adrenal	pheochromocytoma
	13
	pheochromocytoma
	148

number_of_lymph_nodes:

0	1	2	13	NA's
16	3	1	1	158

race:

american indian or alaska native	asian
1	6

black or african american	white
20	148
NA's	
4	

ethnicity:

hispanic or latino	not hispanic or latino	NA's
5	138	36

Including an additional 894 columns

PCPG-v2.1.0

*Pheochromocytoma and Paraganglioma***Description**

A document describing the TCGA cancer code

Details

```
> experiments( PCPG )
ExperimentList class object of length 11:
 [1] PCPG_CNASNP-20160128: RaggedExperiment with 297329 rows and 360 columns
 [2] PCPG_CNVSNP-20160128: RaggedExperiment with 31256 rows and 346 columns
 [3] PCPG_GISTIC_AllByGene-20160128: SummarizedExperiment with 24776 rows and 162 columns
 [4] PCPG_GISTIC_Peaks-20160128: RangedSummarizedExperiment with 27 rows and 162 columns
 [5] PCPG_GISTIC_ThresholdedByGene-20160128: SummarizedExperiment with 24776 rows and 162 columns
 [6] PCPG_Mutation-20160128: RaggedExperiment with 4662 rows and 184 columns
 [7] PCPG_RNASeq2Gene-20160128: SummarizedExperiment with 20501 rows and 187 columns
 [8] PCPG_RPPAArray-20160128: SummarizedExperiment with 192 rows and 82 columns
 [9] PCPG_miRNASeqGene-20160128: SummarizedExperiment with 1046 rows and 187 columns
[10] PCPG_RNASeq2GeneNorm-20160128: SummarizedExperiment with 17988 rows and 187 columns
[11] PCPG_Methylation-20160128: SummarizedExperiment with 485577 rows and 187 columns

> rownames( PCPG )
CharacterList of length 11
[["PCPG_CNASNP-20160128"]] character(0)
[["PCPG_CNVSNP-20160128"]] character(0)
[["PCPG_GISTIC_AllByGene-20160128"]] character(0)
[["PCPG_GISTIC_Peaks-20160128"]] 7 1 8 9 10 11 2 12 ... 22 23 5 24 25 26 6 27
[["PCPG_GISTIC_ThresholdedByGene-20160128"]] character(0)
[["PCPG_Mutation-20160128"]] character(0)
[["PCPG_RNASeq2Gene-20160128"]] A1BG A1CF A2BP1 A2LD1 ... ZZZ3 psiTPTE22 tAKR
[["PCPG_RPPAArray-20160128"]] 14-3-3_beta ... p90RSK_pT359_S363
[["PCPG_miRNASeqGene-20160128"]] hsa-let-7a-1 hsa-let-7a-2 ... hsa-mir-99b
[["PCPG_RNASeq2GeneNorm-20160128"]] A1BG A2BP1 A2LD1 ... ZZE1 ZZZ3 psiTPTE22
...
<1 more element>

> colnames( PCPG )
CharacterList of length 11
```

```

[["PCPG_CNASNP-20160128"]] TCGA-P7-A5NX-10A-01D-A35A-01 ...
[["PCPG_CNVSNP-20160128"]] TCGA-P7-A5NX-10A-01D-A35A-01 ...
[["PCPG_GISTIC_AllByGene-20160128"]] TCGA-P7-A5NY-01A-12D-A35C-01 ...
[["PCPG_GISTIC_Peaks-20160128"]] TCGA-P7-A5NY-01A-12D-A35C-01 ...
[["PCPG_GISTIC_ThresholdedByGene-20160128"]] TCGA-P7-A5NY-01A-12D-A35C-01 ...
[["PCPG_Mutation-20160128"]] TCGA-P7-A5NX-01A-11D-A35D-08 ...
[["PCPG_RNASeq2Gene-20160128"]] TCGA-P7-A5NX-01A-11R-A35K-07 ...
[["PCPG_RPPAArray-20160128"]] TCGA-P7-A5NX-01A-21-A43B-20 ...
[["PCPG_miRNASeqGene-20160128"]] TCGA-P7-A5NX-01A-11R-A35M-13 ...
[["PCPG_RNASeq2GeneNorm-20160128"]] TCGA-P7-A5NX-01 ... TCGA-XG-A823-01
...
<1 more element>

```

Sizes of each ExperimentList element:

		assay size.Mb
1	PCPG_CNASNP-20160128	8.1 Mb
2	PCPG_CNVSNP-20160128	0.9 Mb
3	PCPG_GISTIC_AllByGene-20160128	34.1 Mb
4	PCPG_GISTIC_Peaks-20160128	0.1 Mb
5	PCPG_GISTIC_ThresholdedByGene-20160128	34 Mb
6	PCPG_Mutation-20160128	8.4 Mb
7	PCPG_RNASeq2Gene-20160128	31.8 Mb
8	PCPG_RPPAArray-20160128	0.2 Mb
9	PCPG_miRNASeqGene-20160128	1.7 Mb
10	PCPG_RNASeq2GeneNorm-20160128	27.9 Mb
11	PCPG_Methylation-20160128	75 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
[1,] 6      6    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:

female	male
101	78

date_of_initial_pathologic_diagnosis:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.
1988	2009	2011	2010	2012	2013

radiation_therapy:

no	yes	NA's
172	5	2

karnofsky_performance_score:

70	80	90	100	NA's
1	2	13	46	117

histological_type:

paraganglioma
18
paraganglioma; extra-adrenal pheochromocytoma
13
pheochromocytoma
148

number_of_lymph_nodes:

0	1	2	13	NA's
16	3	1	1	158

race:

american indian or alaska native	asian
1	6
black or african american	white
20	148
NA's	
4	

ethnicity:

hispanic or latino	not hispanic or latino	NA's
5	138	36

Including an additional 894 columns

PRAD

Prostate adenocarcinoma

Description

A document describing the TCGA cancer code

Details

```
> experiments( PRAD )
ExperimentList class object of length 11:
 [1] PRAD_CNASeq-20160128: RaggedExperiment with 23398 rows and 230 columns
 [2] PRAD_CNASNP-20160128: RaggedExperiment with 573776 rows and 1029 columns
 [3] PRAD_CNVSNP-20160128: RaggedExperiment with 117345 rows and 1023 columns
 [4] PRAD_GISTIC_AllByGene-20160128: SummarizedExperiment with 24776 rows and 492 columns
 [5] PRAD_GISTIC_Peaks-20160128: RangedSummarizedExperiment with 58 rows and 492 columns
 [6] PRAD_GISTIC_ThresholdedByGene-20160128: SummarizedExperiment with 24776 rows and 492 columns
 [7] PRAD_miRNASeqGene-20160128: SummarizedExperiment with 1046 rows and 547 columns
 [8] PRAD_Mutation-20160128: RaggedExperiment with 12348 rows and 332 columns
 [9] PRAD_RNASeq2GeneNorm-20160128: SummarizedExperiment with 20501 rows and 550 columns
[10] PRAD_RPPAArray-20160128: SummarizedExperiment with 195 rows and 352 columns
[11] PRAD_Methylation-20160128: SummarizedExperiment with 485577 rows and 549 columns

> rownames( PRAD )
CharacterList of length 11
[["PRAD_CNASeq-20160128"]] character(0)
[["PRAD_CNASNP-20160128"]] character(0)
[["PRAD_CNVSNP-20160128"]] character(0)
[["PRAD_GISTIC_AllByGene-20160128"]] ACAP3 ... WASIR1|ENSG00000185203.7
[["PRAD_GISTIC_Peaks-20160128"]] chr1:63901623-66226788 ...
[["PRAD_GISTIC_ThresholdedByGene-20160128"]] ACAP3 ...
[["PRAD_miRNASeqGene-20160128"]] hsa-let-7a-1 hsa-let-7a-2 ... hsa-mir-99b
[["PRAD_Mutation-20160128"]] character(0)
[["PRAD_RNASeq2GeneNorm-20160128"]] A1BG A1CF A2BP1 ... ZZZ3 psiTPTE22 tAKR
[["PRAD_RPPAArray-20160128"]] 14-3-3_beta ... p90RSK_pT359_S363
...
<1 more element>

> colnames( PRAD )
CharacterList of length 11
[["PRAD_CNASeq-20160128"]] TCGA-CH-5741-01A-11D-1572-02 ...
[["PRAD_CNASNP-20160128"]] TCGA-2A-A8VL-01A-21D-A376-01 ...
[["PRAD_CNVSNP-20160128"]] TCGA-2A-A8VL-01A-21D-A376-01 ...
[["PRAD_GISTIC_AllByGene-20160128"]] TCGA-2A-A8VL-01A-21D-A376-01 ...
[["PRAD_GISTIC_Peaks-20160128"]] TCGA-2A-A8VL-01A-21D-A376-01 ...
[["PRAD_GISTIC_ThresholdedByGene-20160128"]] TCGA-2A-A8VL-01A-21D-A376-01 ...
[["PRAD_miRNASeqGene-20160128"]] TCGA-2A-A8VL-01A-21R-A37H-13 ...
[["PRAD_Mutation-20160128"]] TCGA-2A-A8VL-01A-21D-A377-08 ...
[["PRAD_RNASeq2GeneNorm-20160128"]] TCGA-2A-A8VL-01A-21R-A37L-07 ...
```

```
[[ "PRAD_RPPAArray-20160128" ]] TCGA-2A-A8VL-01A-11-A43M-20 ...
...
<1 more element>
```

Sizes of each ExperimentList element:

		assay size.Mb
1	PRAD_CNASeq-20160128	0.7 Mb
2	PRAD_CNASNP-20160128	15.6 Mb
3	PRAD_CNVSNP-20160128	3.4 Mb
4	PRAD_GISTIC_AllByGene-20160128	4.9 Mb
5	PRAD_GISTIC_Peaks-20160128	0.1 Mb
6	PRAD_GISTIC_ThresholdedByGene-20160128	4.9 Mb
7	PRAD_miRNASeqGene-20160128	0.1 Mb
8	PRAD_Mutation-20160128	21.5 Mb
9	PRAD_RNASeq2GeneNorm-20160128	1.3 Mb
10	PRAD_RPPAArray-20160128	0 Mb
11	PRAD_Methylation-20160128	75.1 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

Including an additional 1126 columns

See Also

[PRAD-v2.0.1](#)

PRAD-v2.0.1

Prostate adenocarcinoma

Description

A document describing the TCGA cancer code

Details

```
> experiments( PRAD )
ExperimentList class object of length 12:
 [1] PRAD_CNASeq-20160128: RaggedExperiment with 23398 rows and 230 columns
 [2] PRAD_CNASNP-20160128: RaggedExperiment with 573776 rows and 1029 columns
 [3] PRAD_CNVSNP-20160128: RaggedExperiment with 117345 rows and 1023 columns
 [4] PRAD_GISTIC_AllByGene-20160128: SummarizedExperiment with 24776 rows and 492 columns
 [5] PRAD_GISTIC_Peaks-20160128: RangedSummarizedExperiment with 58 rows and 492 columns
 [6] PRAD_GISTIC_ThresholdedByGene-20160128: SummarizedExperiment with 24776 rows and 492 columns
 [7] PRAD_miRNASeqGene-20160128: SummarizedExperiment with 1046 rows and 547 columns
 [8] PRAD_Mutation-20160128: RaggedExperiment with 12348 rows and 332 columns
 [9] PRAD_RNASeq2Gene-20160128: SummarizedExperiment with 20501 rows and 550 columns
[10] PRAD_RNASeq2GeneNorm-20160128: SummarizedExperiment with 20501 rows and 550 columns
[11] PRAD_RPPAArray-20160128: SummarizedExperiment with 195 rows and 352 columns
[12] PRAD_Methylation-20160128: SummarizedExperiment with 485577 rows and 549 columns

> rownames( PRAD )
CharacterList of length 12
[["PRAD_CNASeq-20160128"]] character(0)
[["PRAD_CNASNP-20160128"]] character(0)
[["PRAD_CNVSNP-20160128"]] character(0)
[["PRAD_GISTIC_AllByGene-20160128"]] character(0)
[["PRAD_GISTIC_Peaks-20160128"]] 29 30 1 31 32 33 34 ... 21 60 61 22 23 62 63
[["PRAD_GISTIC_ThresholdedByGene-20160128"]] character(0)
[["PRAD_miRNASeqGene-20160128"]] hsa-let-7a-1 hsa-let-7a-2 ... hsa-mir-99b
[["PRAD_Mutation-20160128"]] character(0)
[["PRAD_RNASeq2Gene-20160128"]] A1BG A1CF A2BP1 A2LD1 ... ZZZ3 psiTPTE22 tAKR
[["PRAD_RNASeq2GeneNorm-20160128"]] A1BG A1CF A2BP1 ... ZZZ3 psiTPTE22 tAKR
...
<2 more elements>

> colnames( PRAD )
CharacterList of length 12
[["PRAD_CNASeq-20160128"]] TCGA-CH-5741-01A-11D-1572-02 ...
[["PRAD_CNASNP-20160128"]] TCGA-2A-A8VL-01A-21D-A376-01 ...
```

```

[["PRAD_CNVSNP-20160128"]] TCGA-2A-A8VL-01A-21D-A376-01 ...
[["PRAD_GISTIC_AllByGene-20160128"]] TCGA-2A-A8VL-01A-21D-A376-01 ...
[["PRAD_GISTIC_Peaks-20160128"]] TCGA-2A-A8VL-01A-21D-A376-01 ...
[["PRAD_GISTIC_ThresholdedByGene-20160128"]] TCGA-2A-A8VL-01A-21D-A376-01 ...
[["PRAD_miRNASeqGene-20160128"]] TCGA-2A-A8VL-01A-21R-A37H-13 ...
[["PRAD_Mutation-20160128"]] TCGA-2A-A8VL-01A-21D-A377-08 ...
[["PRAD_RNASeq2Gene-20160128"]] TCGA-2A-A8VL-01A-21R-A37L-07 ...
[["PRAD_RNASeq2GeneNorm-20160128"]] TCGA-2A-A8VL-01A-21R-A37L-07 ...
...
<2 more elements>

```

Sizes of each ExperimentList element:

		assay size.Mb
1	PRAD_CNASeq-20160128	0.7 Mb
2	PRAD_CNASNP-20160128	15.6 Mb
3	PRAD_CNVSNP-20160128	3.4 Mb
4	PRAD_GISTIC_AllByGene-20160128	96.6 Mb
5	PRAD_GISTIC_Peaks-20160128	0.4 Mb
6	PRAD_GISTIC_ThresholdedByGene-20160128	96.4 Mb
7	PRAD_miRNASeqGene-20160128	4.6 Mb
8	PRAD_Mutation-20160128	21.5 Mb
9	PRAD_RNASeq2Gene-20160128	88.7 Mb
10	PRAD_RNASeq2GeneNorm-20160128	88.7 Mb
11	PRAD_RPPAArray-20160128	0.6 Mb
12	PRAD_Methylation-20160128	75.1 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

```

Including an additional 1126 columns

PRAD-v2.1.0	<i>Prostate adenocarcinoma</i>
-------------	--------------------------------

Description

A document describing the TCGA cancer code

Details

```

> experiments( PRAD )
ExperimentList class object of length 12:
 [1] PRAD_CNASeq-20160128: RaggedExperiment with 23398 rows and 230 columns
 [2] PRAD_CNASNP-20160128: RaggedExperiment with 573776 rows and 1029 columns
 [3] PRAD_CNVSNP-20160128: RaggedExperiment with 117345 rows and 1023 columns
 [4] PRAD_GISTIC_AllByGene-20160128: SummarizedExperiment with 24776 rows and 492 columns
 [5] PRAD_GISTIC_Peaks-20160128: RangedSummarizedExperiment with 58 rows and 492 columns
 [6] PRAD_GISTIC_ThresholdedByGene-20160128: SummarizedExperiment with 24776 rows and 492 columns
 [7] PRAD_Mutation-20160128: RaggedExperiment with 12348 rows and 332 columns
 [8] PRAD_RNASeq2Gene-20160128: SummarizedExperiment with 20501 rows and 550 columns
 [9] PRAD_RPPAArray-20160128: SummarizedExperiment with 195 rows and 352 columns
[10] PRAD_miRNASeqGene-20160128: SummarizedExperiment with 1046 rows and 547 columns
[11] PRAD_RNASeq2GeneNorm-20160128: SummarizedExperiment with 18265 rows and 550 columns
[12] PRAD_Methylation-20160128: SummarizedExperiment with 485577 rows and 549 columns

> rownames( PRAD )
CharacterList of length 12
[["PRAD_CNASeq-20160128"]] character(0)
[["PRAD_CNASNP-20160128"]] character(0)
[["PRAD_CNVSNP-20160128"]] character(0)
[["PRAD_GISTIC_AllByGene-20160128"]] character(0)
[["PRAD_GISTIC_Peaks-20160128"]] 29 30 1 31 32 33 34 ... 21 60 61 22 23 62 63
[["PRAD_GISTIC_ThresholdedByGene-20160128"]] character(0)
[["PRAD_Mutation-20160128"]] character(0)
[["PRAD_RNASeq2Gene-20160128"]] A1BG A1CF A2BP1 A2LD1 ... ZZZ3 psiTPTE22 tAKR
[["PRAD_RPPAArray-20160128"]] 14-3-3_beta ... p90RSK_pT359_S363
[["PRAD_miRNASeqGene-20160128"]] hsa-let-7a-1 hsa-let-7a-2 ... hsa-mir-99b
...
<2 more elements>

```

```
> colnames( PRAD )
CharacterList of length 12
[["PRAD_CNASeq-20160128"]] TCGA-CH-5741-01A-11D-1572-02 ...
[["PRAD_CNASNP-20160128"]] TCGA-2A-A8VL-01A-21D-A376-01 ...
[["PRAD_CNVSNP-20160128"]] TCGA-2A-A8VL-01A-21D-A376-01 ...
[["PRAD_GISTIC_AllByGene-20160128"]] TCGA-2A-A8VL-01A-21D-A376-01 ...
[["PRAD_GISTIC_Peaks-20160128"]] TCGA-2A-A8VL-01A-21D-A376-01 ...
[["PRAD_GISTIC_ThresholdedByGene-20160128"]] TCGA-2A-A8VL-01A-21D-A376-01 ...
[["PRAD_Mutation-20160128"]] TCGA-2A-A8VL-01A-21D-A377-08 ...
[["PRAD_RNASeq2Gene-20160128"]] TCGA-2A-A8VL-01A-21R-A37L-07 ...
[["PRAD_RPPAArray-20160128"]] TCGA-2A-A8VL-01A-11-A43M-20 ...
[["PRAD_miRNASeqGene-20160128"]] TCGA-2A-A8VL-01A-21R-A37H-13 ...
...
<2 more elements>
```

Sizes of each ExperimentList element:

		assay size.Mb
1	PRAD_CNASeq-20160128	0.7 Mb
2	PRAD_CNASNP-20160128	15.6 Mb
3	PRAD_CNVSNP-20160128	3.4 Mb
4	PRAD_GISTIC_AllByGene-20160128	96.6 Mb
5	PRAD_GISTIC_Peaks-20160128	0.4 Mb
6	PRAD_GISTIC_ThresholdedByGene-20160128	96.4 Mb
7	PRAD_Mutation-20160128	21.5 Mb
8	PRAD_RNASeq2Gene-20160128	88.7 Mb
9	PRAD_RPPAArray-20160128	0.6 Mb
10	PRAD_miRNASeqGene-20160128	4.6 Mb
11	PRAD_RNASeq2GeneNorm-20160128	79 Mb
12	PRAD_Methylation-20160128	75.1 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
[1,] 10      10    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

Including an additional 1126 columns

```

READ	<i>Rectum adenocarcinoma</i>
------	------------------------------

Description

A document describing the TCGA cancer code

Details

```

> experiments( READ )
ExperimentList class object of length 14:
 [1] READ_CNASeq-20160128: RaggedExperiment with 56380 rows and 70 columns
 [2] READ_CNASNP-20160128: RaggedExperiment with 156806 rows and 316 columns
 [3] READ_CNVSNP-20160128: RaggedExperiment with 35765 rows and 316 columns
 [4] READ_GISTIC_AllByGene-20160128: SummarizedExperiment with 24776 rows and 165 columns
 [5] READ_GISTIC_Peaks-20160128: RangedSummarizedExperiment with 55 rows and 165 columns
 [6] READ_GISTIC_ThresholdedByGene-20160128: SummarizedExperiment with 24776 rows and 165 columns
 [7] READ_miRNASeqGene-20160128: SummarizedExperiment with 705 rows and 76 columns
 [8] READ_mRNAArray-20160128: SummarizedExperiment with 17814 rows and 72 columns
 [9] READ_Mutation-20160128: RaggedExperiment with 22075 rows and 69 columns
[10] READ_RNASeq2GeneNorm-20160128: SummarizedExperiment with 20501 rows and 72 columns
[11] READ_RNASeqGene-20160128: SummarizedExperiment with 20502 rows and 72 columns
[12] READ_RPPAArray-20160128: SummarizedExperiment with 208 rows and 131 columns
[13] READ_Methylation_methyl27-20160128: SummarizedExperiment with 27578 rows and 73 columns
[14] READ_Methylation_methyl450-20160128: SummarizedExperiment with 485577 rows and 106 columns

> rownames( READ )
CharacterList of length 14
[["READ_CNASeq-20160128"]] character(0)
[["READ_CNASNP-20160128"]] character(0)
[["READ_CNVSNP-20160128"]] character(0)
[["READ_GISTIC_AllByGene-20160128"]] ACAP3 ... WASIR1|ENSG00000185203.7
[["READ_GISTIC_Peaks-20160128"]] chr1:3814904-31841618 ...
[["READ_GISTIC_ThresholdedByGene-20160128"]] ACAP3 ...
[["READ_miRNASeqGene-20160128"]] hsa-let-7a-1 hsa-let-7a-2 ... hsa-mir-99b

```

```

[["READ_mRNAArray-20160128"]] ELMO2 CREB3L1 RPS11 PNMA1 ... SNRPD2 AQP7 CTSC
[["READ_Mutation-20160128"]] character(0)
[["READ_RNASeq2GeneNorm-20160128"]] A1BG A1CF A2BP1 ... ZZZ3 psiTPTE22 TAKR
...
<4 more elements>

```

```

> colnames( READ )
CharacterList of length 14
[["READ_CNASeq-20160128"]] TCGA-AF-2691-01A-01D-1167-02 ...
[["READ_CNASNP-20160128"]] TCGA-AF-2687-01A-02D-1732-01 ...
[["READ_CNVSNP-20160128"]] TCGA-AF-2687-01A-02D-1732-01 ...
[["READ_GISTIC_AllByGene-20160128"]] TCGA-AF-2687-01A-02D-1732-01 ...
[["READ_GISTIC_Peaks-20160128"]] TCGA-AF-2687-01A-02D-1732-01 ...
[["READ_GISTIC_ThresholdedByGene-20160128"]] TCGA-AF-2687-01A-02D-1732-01 ...
[["READ_miRNASeqGene-20160128"]] TCGA-AF-2687-01A-02T-1735-13 ...
[["READ_mRNAArray-20160128"]] TCGA-AF-2689-11A-01R-1758-07 ...
[["READ_Mutation-20160128"]] TCGA-AF-2689-01A-01W-0831-10 ... TCGA-AG-A036-01
[["READ_RNASeq2GeneNorm-20160128"]] TCGA-AF-2691-01A-01R-0821-07 ...
...
<4 more elements>

```

Sizes of each ExperimentList element:

		assay size.Mb
1	READ_CNASeq-20160128	1.5 Mb
2	READ_CNASNP-20160128	4.3 Mb
3	READ_CNVSNP-20160128	1.1 Mb
4	READ_GISTIC_AllByGene-20160128	4.9 Mb
5	READ_GISTIC_Peaks-20160128	0.1 Mb
6	READ_GISTIC_ThresholdedByGene-20160128	4.9 Mb
7	READ_miRNASeqGene-20160128	0.1 Mb
8	READ_mRNAArray-20160128	1.1 Mb
9	READ_Mutation-20160128	9.6 Mb
10	READ_RNASeq2GeneNorm-20160128	1.3 Mb
11	READ_RNASeqGene-20160128	1.3 Mb
12	READ_RPPAArray-20160128	0 Mb
13	READ_Methylation_methyl27-20160128	4.9 Mb
14	READ_Methylation_methyl450-20160128	75 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
```

Including an additional 2242 columns

See Also

[READ-v2.0.1](#)

READ-v2.0.1	<i>Rectum adenocarcinoma</i>
-------------	------------------------------

Description

A document describing the TCGA cancer code

Details

```
> experiments( READ )
ExperimentList class object of length 16:
 [1] READ_CNASeq-20160128: RaggedExperiment with 56380 rows and 70 columns
 [2] READ_CNASNP-20160128: RaggedExperiment with 156806 rows and 316 columns
 [3] READ_CNVSNP-20160128: RaggedExperiment with 35765 rows and 316 columns
 [4] READ_GISTIC_AllByGene-20160128: SummarizedExperiment with 24776 rows and 165 columns
 [5] READ_GISTIC_Peaks-20160128: RangedSummarizedExperiment with 55 rows and 165 columns
 [6] READ_GISTIC_ThresholdedByGene-20160128: SummarizedExperiment with 24776 rows and 165 columns
 [7] READ_miRNASeqGene-20160128: SummarizedExperiment with 705 rows and 76 columns
 [8] READ_mRNAArray-20160128: SummarizedExperiment with 17814 rows and 72 columns
 [9] READ_Mutation-20160128: RaggedExperiment with 22075 rows and 69 columns
[10] READ_RNASeq2Gene-20160128: SummarizedExperiment with 20501 rows and 105 columns
[11] READ_RNASeq2GeneNorm_illumina-20160128: SummarizedExperiment with 20501 rows and 72 columns
[12] READ_RNASeq2GeneNorm_illumina-hiseq-20160128: SummarizedExperiment with 20501 rows and 105 columns
[13] READ_RNASeqGene-20160128: SummarizedExperiment with 20502 rows and 72 columns
[14] READ_RPPAArray-20160128: SummarizedExperiment with 208 rows and 131 columns
[15] READ_Methylation_methyl27-20160128: SummarizedExperiment with 27578 rows and 73 columns
[16] READ_Methylation_methyl450-20160128: SummarizedExperiment with 485577 rows and 106 columns

> rownames( READ )
```

```

CharacterList of length 16
[["READ_CNASeq-20160128"]] character(0)
[["READ_CNASNP-20160128"]] character(0)
[["READ_CNVSNP-20160128"]] character(0)
[["READ_GISTIC_AllByGene-20160128"]] character(0)
[["READ_GISTIC_Peaks-20160128"]] 23 24 25 1 2 26 27 ... 54 55 18 19 20 56 57
[["READ_GISTIC_ThresholdedByGene-20160128"]] character(0)
[["READ_miRNASeqGene-20160128"]] hsa-let-7a-1 hsa-let-7a-2 ... hsa-mir-99b
[["READ_mRNAArray-20160128"]] ELMO2 CREB3L1 RPS11 PNMA1 ... SNRPD2 AQP7 CTSC
[["READ_Mutation-20160128"]] character(0)
[["READ_RNASeq2Gene-20160128"]] A1BG A1CF A2BP1 A2LD1 ... ZZZ3 psiTPTE22 tAKR
...
<6 more elements>

```

```

> colnames( READ )
CharacterList of length 16
[["READ_CNASeq-20160128"]] TCGA-AF-2691-01A-01D-1167-02 ...
[["READ_CNASNP-20160128"]] TCGA-AF-2687-01A-02D-1732-01 ...
[["READ_CNVSNP-20160128"]] TCGA-AF-2687-01A-02D-1732-01 ...
[["READ_GISTIC_AllByGene-20160128"]] TCGA-AF-2687-01A-02D-1732-01 ...
[["READ_GISTIC_Peaks-20160128"]] TCGA-AF-2687-01A-02D-1732-01 ...
[["READ_GISTIC_ThresholdedByGene-20160128"]] TCGA-AF-2687-01A-02D-1732-01 ...
[["READ_miRNASeqGene-20160128"]] TCGA-AF-2687-01A-02T-1735-13 ...
[["READ_mRNAArray-20160128"]] TCGA-AF-2689-11A-01R-1758-07 ...
[["READ_Mutation-20160128"]] TCGA-AF-2689-01A-01W-0831-10 ... TCGA-AG-A036-01
[["READ_RNASeq2Gene-20160128"]] TCGA-AF-2687-01A-02R-1736-07 ...
...
<6 more elements>

```

Sizes of each ExperimentList element:

		assay size.Mb
1	READ_CNASeq-20160128	1.5 Mb
2	READ_CNASNP-20160128	4.3 Mb
3	READ_CNVSNP-20160128	1.1 Mb
4	READ_GISTIC_AllByGene-20160128	34.7 Mb
5	READ_GISTIC_Peaks-20160128	0.2 Mb
6	READ_GISTIC_ThresholdedByGene-20160128	34.5 Mb
7	READ_miRNASeqGene-20160128	0.5 Mb
8	READ_mRNAArray-20160128	12 Mb
9	READ_Mutation-20160128	9.6 Mb
10	READ_RNASeq2Gene-20160128	19 Mb
11	READ_RNASeq2GeneNorm_illumina-20160128	13.8 Mb
12	READ_RNASeq2GeneNorm_illumina-hiseq-20160128	19 Mb
13	READ_RNASeqGene-20160128	13.8 Mb
14	READ_RPPAArray-20160128	0.3 Mb
15	READ_Methylation_methyl27-20160128	4.9 Mb
16	READ_Methylation_methyl450-20160128	75 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

Including an additional 2242 columns

READ-v2.1.0

Rectum adenocarcinoma

Description

A document describing the TCGA cancer code

Details

```
> experiments( READ )
```

ExperimentList class object of length 17:

- [1] READ_CNASeq-20160128: RaggedExperiment with 56380 rows and 70 columns
- [2] READ_CNASNP-20160128: RaggedExperiment with 156806 rows and 316 columns
- [3] READ_CNVSNP-20160128: RaggedExperiment with 35765 rows and 316 columns
- [4] READ_GISTIC_AllByGene-20160128: SummarizedExperiment with 24776 rows and 165 columns
- [5] READ_GISTIC_Peaks-20160128: RangedSummarizedExperiment with 55 rows and 165 columns
- [6] READ_GISTIC_ThresholdedByGene-20160128: SummarizedExperiment with 24776 rows and 165 columns
- [7] READ_mRNAArray-20160128: SummarizedExperiment with 17814 rows and 72 columns
- [8] READ_Mutation-20160128: RaggedExperiment with 22075 rows and 69 columns
- [9] READ_RNASeq2Gene-20160128: SummarizedExperiment with 20501 rows and 105 columns
- [10] READ_RNASeq2GeneNorm_illumina-20160128: SummarizedExperiment with 20501 rows and 72 columns
- [11] READ_RNASeq2GeneNorm_illumina-hiseq-20160128: SummarizedExperiment with 20501 rows and 105 columns
- [12] READ_RNASeqGene-20160128: SummarizedExperiment with 20502 rows and 72 columns

```
[13] READ_RPPAArray-20160128: SummarizedExperiment with 208 rows and 131 columns
[14] READ_miRNASeqGene-20160128: SummarizedExperiment with 705 rows and 76 columns
[15] READ_RNASeq2GeneNorm-20160128: SummarizedExperiment with 18115 rows and 177 columns
[16] READ_Methylation_methyl27-20160128: SummarizedExperiment with 27578 rows and 73 columns
[17] READ_Methylation_methyl450-20160128: SummarizedExperiment with 485577 rows and 106 columns
```

```
> rownames( READ )
CharacterList of length 17
[["READ_CNASeq-20160128"]] character(0)
[["READ_CNASNP-20160128"]] character(0)
[["READ_CNVSNP-20160128"]] character(0)
[["READ_GISTIC_AllByGene-20160128"]] character(0)
[["READ_GISTIC_Peaks-20160128"]] 23 24 25 1 2 26 27 ... 54 55 18 19 20 56 57
[["READ_GISTIC_ThresholdedByGene-20160128"]] character(0)
[["READ_mRNAArray-20160128"]] ELMO2 CREB3L1 RPS11 PNMA1 ... SNRPD2 AQP7 CTSC
[["READ_Mutation-20160128"]] character(0)
[["READ_RNASeq2Gene-20160128"]] A1BG A1CF A2BP1 A2LD1 ... ZZZ3 psiTPTE22 tAKR
[["READ_RNASeq2GeneNorm_illumina-20160128"]] A1BG A1CF ... psiTPTE22 tAKR
...
<7 more elements>
```

```
> colnames( READ )
CharacterList of length 17
[["READ_CNASeq-20160128"]] TCGA-AF-2691-01A-01D-1167-02 ...
[["READ_CNASNP-20160128"]] TCGA-AF-2687-01A-02D-1732-01 ...
[["READ_CNVSNP-20160128"]] TCGA-AF-2687-01A-02D-1732-01 ...
[["READ_GISTIC_AllByGene-20160128"]] TCGA-AF-2687-01A-02D-1732-01 ...
[["READ_GISTIC_Peaks-20160128"]] TCGA-AF-2687-01A-02D-1732-01 ...
[["READ_GISTIC_ThresholdedByGene-20160128"]] TCGA-AF-2687-01A-02D-1732-01 ...
[["READ_mRNAArray-20160128"]] TCGA-AF-2689-11A-01R-1758-07 ...
[["READ_Mutation-20160128"]] TCGA-AF-2689-01A-01W-0831-10 ... TCGA-AG-A036-01
[["READ_RNASeq2Gene-20160128"]] TCGA-AF-2687-01A-02R-1736-07 ...
[["READ_RNASeq2GeneNorm_illumina-20160128"]] TCGA-AF-2691-01A-01R-0821-07...
...
<7 more elements>
```

Sizes of each ExperimentList element:

		assay size.Mb
1	READ_CNASeq-20160128	1.5 Mb
2	READ_CNASNP-20160128	4.3 Mb
3	READ_CNVSNP-20160128	1.1 Mb
4	READ_GISTIC_AllByGene-20160128	34.7 Mb
5	READ_GISTIC_Peaks-20160128	0.2 Mb
6	READ_GISTIC_ThresholdedByGene-20160128	34.5 Mb
7	READ_mRNAArray-20160128	12 Mb
8	READ_Mutation-20160128	9.6 Mb
9	READ_RNASeq2Gene-20160128	19 Mb
10	READ_RNASeq2GeneNorm_illumina-20160128	13.8 Mb
11	READ_RNASeq2GeneNorm_illumina-hiseq-20160128	19 Mb
12	READ_RNASeqGene-20160128	13.8 Mb
13	READ_RPPAArray-20160128	0.3 Mb

```

14          READ_miRNASeqGene-20160128  0.5 Mb
15          READ_RNASeq2GeneNorm-20160128 26.7 Mb
16          READ_Methylation_methyl27-20160128 4.9 Mb
17          READ_Methylation_methyl450-20160128 75 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
[1,] 27      27      2      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

Including an additional 2242 columns

```

SARC

Sarcoma

Description

A document describing the TCGA cancer code

Details

```

> experiments( SARC )
ExperimentList class object of length 10:
 [1] SARC_CNASNP-20160128: RaggedExperiment with 337377 rows and 516 columns
 [2] SARC_CNVSNP-20160128: RaggedExperiment with 106739 rows and 513 columns
 [3] SARC_GISTIC_AllByGene-20160128: SummarizedExperiment with 24776 rows and 257 columns
 [4] SARC_GISTIC_Peaks-20160128: RangedSummarizedExperiment with 64 rows and 257 columns

```

```
[5] SARC_GISTIC_ThresholdedByGene-20160128: SummarizedExperiment with 24776 rows and 257 columns
[6] SARC_miRNASeqGene-20160128: SummarizedExperiment with 1046 rows and 263 columns
[7] SARC_Mutation-20160128: RaggedExperiment with 20376 rows and 247 columns
[8] SARC_RNASeq2GeneNorm-20160128: SummarizedExperiment with 20501 rows and 265 columns
[9] SARC_RPPAArray-20160128: SummarizedExperiment with 192 rows and 226 columns
[10] SARC_Methylation-20160128: SummarizedExperiment with 485577 rows and 269 columns
```

```
> rownames( SARC )
CharacterList of length 10
[["SARC_CNASNP-20160128"]] character(0)
[["SARC_CNVSNP-20160128"]] character(0)
[["SARC_GISTIC_AllByGene-20160128"]] ACAP3 ... WASIR1|ENSG00000185203.7
[["SARC_GISTIC_Peaks-20160128"]] chr1:1-5923787 ... chr22:45095899-51304566
[["SARC_GISTIC_ThresholdedByGene-20160128"]] ACAP3 ...
[["SARC_miRNASeqGene-20160128"]] hsa-let-7a-1 hsa-let-7a-2 ... hsa-mir-99b
[["SARC_Mutation-20160128"]] character(0)
[["SARC_RNASeq2GeneNorm-20160128"]] A1BG A1CF A2BP1 ... ZZZ3 psiTPTE22 tAKR
[["SARC_RPPAArray-20160128"]] 14-3-3_beta ... p90RSK_pT359_S363
[["SARC_Methylation-20160128"]] cg00000029 cg00000108 ... rs966367 rs9839873
```

```
> colnames( SARC )
CharacterList of length 10
[["SARC_CNASNP-20160128"]] TCGA-3B-A9HI-01A-11D-A386-01 ...
[["SARC_CNVSNP-20160128"]] TCGA-3B-A9HI-01A-11D-A386-01 ...
[["SARC_GISTIC_AllByGene-20160128"]] TCGA-3B-A9HI-01A-11D-A386-01 ...
[["SARC_GISTIC_Peaks-20160128"]] TCGA-3B-A9HI-01A-11D-A386-01 ...
[["SARC_GISTIC_ThresholdedByGene-20160128"]] TCGA-3B-A9HI-01A-11D-A386-01 ...
[["SARC_miRNASeqGene-20160128"]] TCGA-3B-A9HI-01A-11R-A38N-13 ...
[["SARC_Mutation-20160128"]] TCGA-3B-A9HI-01A-11D-A387-09 ...
[["SARC_RNASeq2GeneNorm-20160128"]] TCGA-3B-A9HI-01A-11R-A38C-07 ...
[["SARC_RPPAArray-20160128"]] TCGA-3B-A9HI-01A-21-A456-20 ...
[["SARC_Methylation-20160128"]] TCGA-3B-A9HI-01A-11D-A388-05 ...
```

Sizes of each ExperimentList element:

		assay size.Mb
1	SARC_CNASNP-20160128	9.2 Mb
2	SARC_CNVSNP-20160128	3 Mb
3	SARC_GISTIC_AllByGene-20160128	4.9 Mb
4	SARC_GISTIC_Peaks-20160128	0.1 Mb
5	SARC_GISTIC_ThresholdedByGene-20160128	4.9 Mb
6	SARC_miRNASeqGene-20160128	0.1 Mb
7	SARC_Mutation-20160128	19.5 Mb
8	SARC_RNASeq2GeneNorm-20160128	1.3 Mb
9	SARC_RPPAArray-20160128	0 Mb
10	SARC_Methylation-20160128	75 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

Including an additional 1413 columns

See Also

[SARC-v2.0.1](#)

SARC-v2.0.1

Sarcoma

Description

A document describing the TCGA cancer code

Details

```
> experiments( SARC )
ExperimentList class object of length 11:
 [1] SARC_CNASNP-20160128: RaggedExperiment with 337377 rows and 516 columns
 [2] SARC_CNVSNP-20160128: RaggedExperiment with 106739 rows and 513 columns
 [3] SARC_GISTIC_AllByGene-20160128: SummarizedExperiment with 24776 rows and 257 columns
 [4] SARC_GISTIC_Peaks-20160128: RangedSummarizedExperiment with 64 rows and 257 columns
 [5] SARC_GISTIC_ThresholdedByGene-20160128: SummarizedExperiment with 24776 rows and 257 columns
 [6] SARC_miRNASeqGene-20160128: SummarizedExperiment with 1046 rows and 263 columns
 [7] SARC_Mutation-20160128: RaggedExperiment with 20376 rows and 247 columns
 [8] SARC_RNASeq2Gene-20160128: SummarizedExperiment with 20501 rows and 265 columns
 [9] SARC_RNASeq2GeneNorm-20160128: SummarizedExperiment with 20501 rows and 265 columns
[10] SARC_RPPAArray-20160128: SummarizedExperiment with 192 rows and 226 columns
[11] SARC_Methylation-20160128: SummarizedExperiment with 485577 rows and 269 columns

> rownames( SARC )
CharacterList of length 11
[["SARC_CNASNP-20160128"]] character(0)
[["SARC_CNVSNP-20160128"]] character(0)
[["SARC_GISTIC_AllByGene-20160128"]] character(0)
[["SARC_GISTIC_Peaks-20160128"]] 26 1 2 3 27 28 4 29 ... 21 63 22 64 23 65 66
[["SARC_GISTIC_ThresholdedByGene-20160128"]] character(0)
[["SARC_miRNASeqGene-20160128"]] hsa-let-7a-1 hsa-let-7a-2 ... hsa-mir-99b
[["SARC_Mutation-20160128"]] character(0)
[["SARC_RNASeq2Gene-20160128"]] A1BG A1CF A2BP1 A2LD1 ... ZZZ3 psiTPTE22 tAKR
[["SARC_RNASeq2GeneNorm-20160128"]] A1BG A1CF A2BP1 ... ZZZ3 psiTPTE22 tAKR
[["SARC_RPPAArray-20160128"]] 14-3-3_beta ... p90RSK_pT359_S363
...
<1 more element>

> colnames( SARC )
CharacterList of length 11
[["SARC_CNASNP-20160128"]] TCGA-3B-A9HI-01A-11D-A386-01 ...
[["SARC_CNVSNP-20160128"]] TCGA-3B-A9HI-01A-11D-A386-01 ...
```

```

[["SARC_GISTIC_AllByGene-20160128"]] TCGA-3B-A9HI-01A-11D-A386-01 ...
[["SARC_GISTIC_Peaks-20160128"]] TCGA-3B-A9HI-01A-11D-A386-01 ...
[["SARC_GISTIC_ThresholdedByGene-20160128"]] TCGA-3B-A9HI-01A-11D-A386-01 ...
[["SARC_miRNASeqGene-20160128"]] TCGA-3B-A9HI-01A-11R-A38N-13 ...
[["SARC_Mutation-20160128"]] TCGA-3B-A9HI-01A-11D-A387-09 ...
[["SARC_RNASeq2Gene-20160128"]] TCGA-3B-A9HI-01A-11R-A38C-07 ...
[["SARC_RNASeq2GeneNorm-20160128"]] TCGA-3B-A9HI-01A-11R-A38C-07 ...
[["SARC_RPPAArray-20160128"]] TCGA-3B-A9HI-01A-21-A456-20 ...
...
<1 more element>

```

Sizes of each ExperimentList element:

		assay size.Mb
1	SARC_CNASNP-20160128	9.2 Mb
2	SARC_CNVSNP-20160128	3 Mb
3	SARC_GISTIC_AllByGene-20160128	52.2 Mb
4	SARC_GISTIC_Peaks-20160128	0.2 Mb
5	SARC_GISTIC_ThresholdedByGene-20160128	51.9 Mb
6	SARC_miRNASeqGene-20160128	2.3 Mb
7	SARC_Mutation-20160128	19.5 Mb
8	SARC_RNASeq2Gene-20160128	44 Mb
9	SARC_RNASeq2GeneNorm-20160128	44 Mb
10	SARC_RPPAArray-20160128	0.4 Mb
11	SARC_Methylation-20160128	75 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

```

Including an additional 1413 columns

SARC-v2.1.0

Sarcoma

Description

A document describing the TCGA cancer code

Details

```

> experiments( SARC )
ExperimentList class object of length 11:
 [1] SARC_CNASNP-20160128: RaggedExperiment with 337377 rows and 516 columns
 [2] SARC_CNVSNP-20160128: RaggedExperiment with 106739 rows and 513 columns
 [3] SARC_GISTIC_AllByGene-20160128: SummarizedExperiment with 24776 rows and 257 columns
 [4] SARC_GISTIC_Peaks-20160128: RangedSummarizedExperiment with 64 rows and 257 columns

```

```
[5] SARC_GISTIC_ThresholdedByGene-20160128: SummarizedExperiment with 24776 rows and 257 columns
[6] SARC_Mutation-20160128: RaggedExperiment with 20376 rows and 247 columns
[7] SARC_RNASeq2Gene-20160128: SummarizedExperiment with 20501 rows and 265 columns
[8] SARC_RPPAArray-20160128: SummarizedExperiment with 192 rows and 226 columns
[9] SARC_miRNASeqGene-20160128: SummarizedExperiment with 1046 rows and 263 columns
[10] SARC_RNASeq2GeneNorm-20160128: SummarizedExperiment with 18165 rows and 265 columns
[11] SARC_Methylation-20160128: SummarizedExperiment with 485577 rows and 269 columns
```

```
> rownames( SARC )
CharacterList of length 11
[["SARC_CNASNP-20160128"]] character(0)
[["SARC_CNVSNP-20160128"]] character(0)
[["SARC_GISTIC_AllByGene-20160128"]] character(0)
[["SARC_GISTIC_Peaks-20160128"]] 26 1 2 3 27 28 4 29 ... 21 63 22 64 23 65 66
[["SARC_GISTIC_ThresholdedByGene-20160128"]] character(0)
[["SARC_Mutation-20160128"]] character(0)
[["SARC_RNASeq2Gene-20160128"]] A1BG A1CF A2BP1 A2LD1 ... ZZZ3 psiTPTE22 tAKR
[["SARC_RPPAArray-20160128"]] 14-3-3_beta ... p90RSK_pT359_S363
[["SARC_miRNASeqGene-20160128"]] hsa-let-7a-1 hsa-let-7a-2 ... hsa-mir-99b
[["SARC_RNASeq2GeneNorm-20160128"]] A1BG A2BP1 A2LD1 ... ZZEF1 ZZZ3 psiTPTE22
...
<1 more element>
```

```
> colnames( SARC )
CharacterList of length 11
[["SARC_CNASNP-20160128"]] TCGA-3B-A9HI-01A-11D-A386-01 ...
[["SARC_CNVSNP-20160128"]] TCGA-3B-A9HI-01A-11D-A386-01 ...
[["SARC_GISTIC_AllByGene-20160128"]] TCGA-3B-A9HI-01A-11D-A386-01 ...
[["SARC_GISTIC_Peaks-20160128"]] TCGA-3B-A9HI-01A-11D-A386-01 ...
[["SARC_GISTIC_ThresholdedByGene-20160128"]] TCGA-3B-A9HI-01A-11D-A386-01 ...
[["SARC_Mutation-20160128"]] TCGA-3B-A9HI-01A-11D-A387-09 ...
[["SARC_RNASeq2Gene-20160128"]] TCGA-3B-A9HI-01A-11R-A38C-07 ...
[["SARC_RPPAArray-20160128"]] TCGA-3B-A9HI-01A-21-A456-20 ...
[["SARC_miRNASeqGene-20160128"]] TCGA-3B-A9HI-01A-11R-A38N-13 ...
[["SARC_RNASeq2GeneNorm-20160128"]] TCGA-3B-A9HI-01 ... TCGA-Z4-AAPG-01
...
<1 more element>
```

Sizes of each ExperimentList element:

		assay size.Mb
1	SARC_CNASNP-20160128	9.2 Mb
2	SARC_CNVSNP-20160128	3 Mb
3	SARC_GISTIC_AllByGene-20160128	52.2 Mb
4	SARC_GISTIC_Peaks-20160128	0.2 Mb
5	SARC_GISTIC_ThresholdedByGene-20160128	51.9 Mb
6	SARC_Mutation-20160128	19.5 Mb
7	SARC_RNASeq2Gene-20160128	44 Mb
8	SARC_RPPAArray-20160128	0.4 Mb
9	SARC_miRNASeqGene-20160128	2.3 Mb
10	SARC_RNASeq2GeneNorm-20160128	39 Mb
11	SARC_Methylation-20160128	75 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
[1,] 99      99   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

Including an additional 1413 columns

```

SKCM

*Skin Cutaneous Melanoma***Description**

A document describing the TCGA cancer code

Details

```

> experiments( SKCM )
ExperimentList class object of length 11:
 [1] SKCM_CNASeq-20160128: RaggedExperiment with 31416 rows and 238 columns
 [2] SKCM_CNASNP-20160128: RaggedExperiment with 452114 rows and 938 columns
 [3] SKCM_CNVSNP-20160128: RaggedExperiment with 108084 rows and 937 columns
 [4] SKCM_GISTIC_AllByGene-20160128: SummarizedExperiment with 24776 rows and 367 columns
 [5] SKCM_GISTIC_Peaks-20160128: RangedSummarizedExperiment with 53 rows and 367 columns
 [6] SKCM_GISTIC_ThresholdedByGene-20160128: SummarizedExperiment with 24776 rows and 367 columns
 [7] SKCM_miRNASeqGene-20160128: SummarizedExperiment with 1046 rows and 452 columns
 [8] SKCM_Mutation-20160128: RaggedExperiment with 290322 rows and 345 columns
 [9] SKCM_RNASeq2GeneNorm-20160128: SummarizedExperiment with 20501 rows and 473 columns
[10] SKCM_RPPAArray-20160128: SummarizedExperiment with 208 rows and 355 columns
[11] SKCM_Methylation-20160128: SummarizedExperiment with 485577 rows and 475 columns

> rownames( SKCM )
CharacterList of length 11
[["SKCM_CNASeq-20160128"]] character(0)
[["SKCM_CNASNP-20160128"]] character(0)
[["SKCM_CNVSNP-20160128"]] character(0)
[["SKCM_GISTIC_AllByGene-20160128"]] ACAP3 ... WASIR1|ENSG00000185203.7
[["SKCM_GISTIC_Peaks-20160128"]] chr1:1-6847369 ... chr22:41468899-41849552
[["SKCM_GISTIC_ThresholdedByGene-20160128"]] ACAP3 ...
[["SKCM_miRNASeqGene-20160128"]] hsa-let-7a-1 hsa-let-7a-2 ... hsa-mir-99b
[["SKCM_Mutation-20160128"]] character(0)
[["SKCM_RNASeq2GeneNorm-20160128"]] A1BG A1CF A2BP1 ... ZZZ3 psiTPTE22 tAKR
[["SKCM_RPPAArray-20160128"]] 14-3-3_beta ... p90RSK_pT359_S363
...
<1 more element>

> colnames( SKCM )
CharacterList of length 11

```

```

[["SKCM_CNASeq-20160128"]] TCGA-BF-A1PU-01A-11D-A18Z-02 ...
[["SKCM_CNASNP-20160128"]] TCGA-3N-A9WB-06A-11D-A38F-01 ...
[["SKCM_CNVSNP-20160128"]] TCGA-3N-A9WB-06A-11D-A38F-01 ...
[["SKCM_GISTIC_AllByGene-20160128"]] TCGA-3N-A9WB-06A-11D-A38F-01 ...
[["SKCM_GISTIC_Peaks-20160128"]] TCGA-3N-A9WB-06A-11D-A38F-01 ...
[["SKCM_GISTIC_ThresholdedByGene-20160128"]] TCGA-3N-A9WB-06A-11D-A38F-01 ...
[["SKCM_miRNASeqGene-20160128"]] TCGA-3N-A9WC-06A-11R-A38N-13 ...
[["SKCM_Mutation-20160128"]] TCGA-BF-A1PU-01A-11D-A19A-08 ...
[["SKCM_RNASeq2GeneNorm-20160128"]] TCGA-3N-A9WB-06A-11R-A38C-07 ...
[["SKCM_RPPAArray-20160128"]] TCGA-3N-A9WC-06A-21-A444-20 ...
...
<1 more element>

```

Sizes of each ExperimentList element:

	assay	size.Mb
1	SKCM_CNASeq-20160128	0.9 Mb
2	SKCM_CNASNP-20160128	12.3 Mb
3	SKCM_CNVSNP-20160128	3.2 Mb
4	SKCM_GISTIC_AllByGene-20160128	4.9 Mb
5	SKCM_GISTIC_Peaks-20160128	0.1 Mb
6	SKCM_GISTIC_ThresholdedByGene-20160128	4.9 Mb
7	SKCM_miRNASeqGene-20160128	0.1 Mb
8	SKCM_Mutation-20160128	299.6 Mb
9	SKCM_RNASeq2GeneNorm-20160128	1.3 Mb
10	SKCM_RPPAArray-20160128	0 Mb
11	SKCM_Methylation-20160128	75.1 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	white
12	1	447
NA's		
10		

ethnicity:

hispanic or latino	not hispanic or latino	NA's
11	446	13

Including an additional 1517 columns

See Also[SKCM-v2.0.1](#)

SKCM-v2.0.1

*Skin Cutaneous Melanoma***Description**

A document describing the TCGA cancer code

Details

```

> experiments( SKCM )
ExperimentList class object of length 12:
 [1] SKCM_CNASeq-20160128: RaggedExperiment with 31416 rows and 238 columns
 [2] SKCM_CNASNP-20160128: RaggedExperiment with 452114 rows and 938 columns
 [3] SKCM_CNVSNP-20160128: RaggedExperiment with 108084 rows and 937 columns
 [4] SKCM_GISTIC_AllByGene-20160128: SummarizedExperiment with 24776 rows and 367 columns
 [5] SKCM_GISTIC_Peaks-20160128: RangedSummarizedExperiment with 53 rows and 367 columns
 [6] SKCM_GISTIC_ThresholdedByGene-20160128: SummarizedExperiment with 24776 rows and 367 columns
 [7] SKCM_miRNASeqGene-20160128: SummarizedExperiment with 1046 rows and 452 columns
 [8] SKCM_Mutation-20160128: RaggedExperiment with 290322 rows and 345 columns
 [9] SKCM_RNASeq2Gene-20160128: SummarizedExperiment with 20501 rows and 473 columns
[10] SKCM_RNASeq2GeneNorm-20160128: SummarizedExperiment with 20501 rows and 473 columns
[11] SKCM_RPPAArray-20160128: SummarizedExperiment with 208 rows and 355 columns
[12] SKCM_Methylation-20160128: SummarizedExperiment with 485577 rows and 475 columns

> rownames( SKCM )
CharacterList of length 12
[["SKCM_CNASeq-20160128"]] character(0)
[["SKCM_CNASNP-20160128"]] character(0)
[["SKCM_CNVSNP-20160128"]] character(0)
[["SKCM_GISTIC_AllByGene-20160128"]] character(0)
[["SKCM_GISTIC_Peaks-20160128"]] 21 22 1 2 3 23 24 4 ... 50 51 52 18 53 19 20
[["SKCM_GISTIC_ThresholdedByGene-20160128"]] character(0)
[["SKCM_miRNASeqGene-20160128"]] hsa-let-7a-1 hsa-let-7a-2 ... hsa-mir-99b
[["SKCM_Mutation-20160128"]] character(0)
[["SKCM_RNASeq2Gene-20160128"]] A1BG A1CF A2BP1 A2LD1 ... ZZZ3 psiTPTE22 tAKR
[["SKCM_RNASeq2GeneNorm-20160128"]] A1BG A1CF A2BP1 ... ZZZ3 psiTPTE22 tAKR
...
<2 more elements>

> colnames( SKCM )
CharacterList of length 12
[["SKCM_CNASeq-20160128"]] TCGA-BF-A1PU-01A-11D-A18Z-02 ...
[["SKCM_CNASNP-20160128"]] TCGA-3N-A9WB-06A-11D-A38F-01 ...
[["SKCM_CNVSNP-20160128"]] TCGA-3N-A9WB-06A-11D-A38F-01 ...
[["SKCM_GISTIC_AllByGene-20160128"]] TCGA-3N-A9WB-06A-11D-A38F-01 ...
[["SKCM_GISTIC_Peaks-20160128"]] TCGA-3N-A9WB-06A-11D-A38F-01 ...
[["SKCM_GISTIC_ThresholdedByGene-20160128"]] TCGA-3N-A9WB-06A-11D-A38F-01 ...
[["SKCM_miRNASeqGene-20160128"]] TCGA-3N-A9WC-06A-11R-A38N-13 ...

```

```

[["SKCM_Mutation-20160128"]] TCGA-BF-A1PU-01A-11D-A19A-08 ...
[["SKCM_RNASeq2Gene-20160128"]] TCGA-3N-A9WB-06A-11R-A38C-07 ...
[["SKCM_RNASeq2GeneNorm-20160128"]] TCGA-3N-A9WB-06A-11R-A38C-07 ...
...
<2 more elements>

```

Sizes of each ExperimentList element:

	assay	size.Mb
1	SKCM_CNASeq-20160128	0.9 Mb
2	SKCM_CNASNP-20160128	12.3 Mb
3	SKCM_CNVSNP-20160128	3.2 Mb
4	SKCM_GISTIC_AllByGene-20160128	73 Mb
5	SKCM_GISTIC_Peaks-20160128	0.3 Mb
6	SKCM_GISTIC_ThresholdedByGene-20160128	72.8 Mb
7	SKCM_miRNASeqGene-20160128	3.8 Mb
8	SKCM_Mutation-20160128	299.6 Mb
9	SKCM_RNASeq2Gene-20160128	76.6 Mb
10	SKCM_RNASeq2GeneNorm-20160128	76.6 Mb
11	SKCM_RPPAArray-20160128	0.7 Mb
12	SKCM_Methylation-20160128	75.1 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

Including an additional 1517 columns

SKCM-v2.1.0

Skin Cutaneous Melanoma

Description

A document describing the TCGA cancer code

Details

```

> experiments( SKCM )
ExperimentList class object of length 12:
 [1] SKCM_CNASeq-20160128: RaggedExperiment with 31416 rows and 238 columns
 [2] SKCM_CNASNP-20160128: RaggedExperiment with 452114 rows and 938 columns
 [3] SKCM_CNVSNP-20160128: RaggedExperiment with 108084 rows and 937 columns
 [4] SKCM_GISTIC_AllByGene-20160128: SummarizedExperiment with 24776 rows and 367 columns
 [5] SKCM_GISTIC_Peaks-20160128: RangedSummarizedExperiment with 53 rows and 367 columns
 [6] SKCM_GISTIC_ThresholdedByGene-20160128: SummarizedExperiment with 24776 rows and 367 columns
 [7] SKCM_Mutation-20160128: RaggedExperiment with 290322 rows and 345 columns
 [8] SKCM_RNASeq2Gene-20160128: SummarizedExperiment with 20501 rows and 473 columns
 [9] SKCM_RPPAArray-20160128: SummarizedExperiment with 208 rows and 355 columns
[10] SKCM_miRNASeqGene-20160128: SummarizedExperiment with 1046 rows and 452 columns
[11] SKCM_RNASeq2GeneNorm-20160128: SummarizedExperiment with 18071 rows and 473 columns
[12] SKCM_Methylation-20160128: SummarizedExperiment with 485577 rows and 475 columns

> rownames( SKCM )
CharacterList of length 12
[["SKCM_CNASeq-20160128"]] character(0)
[["SKCM_CNASNP-20160128"]] character(0)
[["SKCM_CNVSNP-20160128"]] character(0)
[["SKCM_GISTIC_AllByGene-20160128"]] character(0)
[["SKCM_GISTIC_Peaks-20160128"]] 21 22 1 2 3 23 24 4 ... 50 51 52 18 53 19 20
[["SKCM_GISTIC_ThresholdedByGene-20160128"]] character(0)
[["SKCM_Mutation-20160128"]] character(0)
[["SKCM_RNASeq2Gene-20160128"]] A1BG A1CF A2BP1 A2LD1 ... ZZZ3 psiTPT22 tAKR
[["SKCM_RPPAArray-20160128"]] 14-3-3_beta ... p90RSK_pT359_S363
[["SKCM_miRNASeqGene-20160128"]] hsa-let-7a-1 hsa-let-7a-2 ... hsa-mir-99b
...
<2 more elements>

> colnames( SKCM )
CharacterList of length 12
[["SKCM_CNASeq-20160128"]] TCGA-BF-A1PU-01A-11D-A18Z-02 ...
[["SKCM_CNASNP-20160128"]] TCGA-3N-A9WB-06A-11D-A38F-01 ...
[["SKCM_CNVSNP-20160128"]] TCGA-3N-A9WB-06A-11D-A38F-01 ...
[["SKCM_GISTIC_AllByGene-20160128"]] TCGA-3N-A9WB-06A-11D-A38F-01 ...
[["SKCM_GISTIC_Peaks-20160128"]] TCGA-3N-A9WB-06A-11D-A38F-01 ...
[["SKCM_GISTIC_ThresholdedByGene-20160128"]] TCGA-3N-A9WB-06A-11D-A38F-01 ...
[["SKCM_Mutation-20160128"]] TCGA-BF-A1PU-01A-11D-A19A-08 ...
[["SKCM_RNASeq2Gene-20160128"]] TCGA-3N-A9WB-06A-11R-A38C-07 ...
[["SKCM_RPPAArray-20160128"]] TCGA-3N-A9WC-06A-21-A444-20 ...
[["SKCM_miRNASeqGene-20160128"]] TCGA-3N-A9WC-06A-11R-A38N-13 ...
...
<2 more elements>

```

Sizes of each ExperimentList element:

	assay	size.Mb
1	SKCM_CNASeq-20160128	0.9 Mb
2	SKCM_CNASNP-20160128	12.3 Mb
3	SKCM_CNVSNP-20160128	3.2 Mb

4	SKCM_GISTIC_AllByGene-20160128	73 Mb
5	SKCM_GISTIC_Peaks-20160128	0.3 Mb
6	SKCM_GISTIC_ThresholdedByGene-20160128	72.8 Mb
7	SKCM_Mutation-20160128	299.6 Mb
8	SKCM_RNASeq2Gene-20160128	76.6 Mb
9	SKCM_RPPAArray-20160128	0.7 Mb
10	SKCM_miRNASeqGene-20160128	3.8 Mb
11	SKCM_RNASeq2GeneNorm-20160128	67.5 Mb
12	SKCM_Methylation-20160128	75.1 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
[1,] 221 221 2.99 2.4 3.9

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               white
               12                               1               447
               NA's
               10

ethnicity:
  hispanic or latino not hispanic or latino    NA's
               11                               446               13

Including an additional 1517 columns

```

SKCM-v2.1.1

Skin Cutaneous Melanoma

Description

A document describing the TCGA cancer code Note. Only the colData has changed.

Details

```

> experiments( SKCM )
ExperimentList class object of length 0:

> rownames( SKCM )
CharacterList of length 0

> colnames( SKCM )
CharacterList of length 0

```

Sizes of each ExperimentList element:

```
[1] assay    size.Mb
<0 rows> (or 0-length row.names)
```

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

```
[1,] 221    221    2.99    2.4    3.9
```

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               white
               12                             1               447
               NA's
               10

ethnicity:
  hispanic or latino not hispanic or latino   NA's
               11                             446               13

Including an additional 1517 columns
```

STAD	<i>Stomach adenocarcinoma</i>
------	-------------------------------

Description

A document describing the TCGA cancer code

Details

```
> experiments( STAD )
ExperimentList class object of length 13:
 [1] STAD_CNASeq-20160128: RaggedExperiment with 31824 rows and 214 columns
 [2] STAD_CNASNP-20160128: RaggedExperiment with 443042 rows and 906 columns
 [3] STAD_CNVSNP-20160128: RaggedExperiment with 118389 rows and 904 columns
 [4] STAD_GISTIC_AllByGene-20160128: SummarizedExperiment with 24776 rows and 441 columns
 [5] STAD_GISTIC_Peaks-20160128: RangedSummarizedExperiment with 84 rows and 441 columns
 [6] STAD_GISTIC_ThresholdedByGene-20160128: SummarizedExperiment with 24776 rows and 441 columns
 [7] STAD_miRNASeqGene-20160128: SummarizedExperiment with 1046 rows and 430 columns
 [8] STAD_Mutation-20160128: RaggedExperiment with 148520 rows and 289 columns
 [9] STAD_RNASeq2GeneNorm-20160128: SummarizedExperiment with 20501 rows and 450 columns
[10] STAD_RNASeqGene-20160128: SummarizedExperiment with 26120 rows and 36 columns
```

```
[11] STAD_RPPAArray-20160128: SummarizedExperiment with 195 rows and 357 columns
[12] STAD_Methylation_methyl27-20160128: SummarizedExperiment with 27578 rows and 73 columns
[13] STAD_Methylation_methyl450-20160128: SummarizedExperiment with 485577 rows and 397 columns
```

```
> rownames( STAD )
CharacterList of length 13
[["STAD_CNASeq-20160128"]] character(0)
[["STAD_CNASNP-20160128"]] character(0)
[["STAD_CNVSNP-20160128"]] character(0)
[["STAD_GISTIC_AllByGene-20160128"]] ACAP3 ... WASIR1|ENSG00000185203.7
[["STAD_GISTIC_Peaks-20160128"]] chr1:10686864-11068052 ...
[["STAD_GISTIC_ThresholdedByGene-20160128"]] ACAP3 ...
[["STAD_miRNASeqGene-20160128"]] hsa-let-7a-1 hsa-let-7a-2 ... hsa-mir-99b
[["STAD_Mutation-20160128"]] character(0)
[["STAD_RNASeq2GeneNorm-20160128"]] A1BG A1CF A2BP1 ... ZZZ3 psiTPTE22 tAKR
[["STAD_RNASeqGene-20160128"]] AADACL3 AADACL4 AB007962 ... VCY XKRY ZFY
...
<3 more elements>

> colnames( STAD )
CharacterList of length 13
[["STAD_CNASeq-20160128"]] TCGA-B7-5816-01A-21D-1598-02 ...
[["STAD_CNASNP-20160128"]] TCGA-3M-AB46-01A-11D-A40Z-01 ...
[["STAD_CNVSNP-20160128"]] TCGA-3M-AB46-01A-11D-A40Z-01 ...
[["STAD_GISTIC_AllByGene-20160128"]] TCGA-3M-AB46-01A-11D-A40Z-01 ...
[["STAD_GISTIC_Peaks-20160128"]] TCGA-3M-AB46-01A-11D-A40Z-01 ...
[["STAD_GISTIC_ThresholdedByGene-20160128"]] TCGA-3M-AB46-01A-11D-A40Z-01 ...
[["STAD_miRNASeqGene-20160128"]] TCGA-3M-AB46-01A-11R-A415-13 ...
[["STAD_Mutation-20160128"]] TCGA-B7-5816-01A-21D-1600-08 ...
[["STAD_RNASeq2GeneNorm-20160128"]] TCGA-3M-AB46-01A-11R-A414-31 ...
[["STAD_RNASeqGene-20160128"]] TCGA-BR-4191-01A-02R-1131-13 ...
...
<3 more elements>
```

Sizes of each ExperimentList element:

	assay	size.Mb
1	STAD_CNASeq-20160128	0.9 Mb
2	STAD_CNASNP-20160128	12.1 Mb
3	STAD_CNVSNP-20160128	3.4 Mb
4	STAD_GISTIC_AllByGene-20160128	4.9 Mb
5	STAD_GISTIC_Peaks-20160128	0.1 Mb
6	STAD_GISTIC_ThresholdedByGene-20160128	4.9 Mb
7	STAD_miRNASeqGene-20160128	0.1 Mb
8	STAD_Mutation-20160128	161.5 Mb
9	STAD_RNASeq2GeneNorm-20160128	1.3 Mb
10	STAD_RNASeqGene-20160128	1.7 Mb
11	STAD_RPPAArray-20160128	0 Mb
12	STAD_Methylation_methyl27-20160128	4.9 Mb
13	STAD_Methylation_methyl450-20160128	75 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
```

Including an additional 1390 columns

See Also

[STAD-v2.0.1](#)

STAD-v2.0.1	<i>Stomach adenocarcinoma</i>
-------------	-------------------------------

Description

A document describing the TCGA cancer code

Details

```
> experiments( STAD )
ExperimentList class object of length 14:
 [1] STAD_CNASeq-20160128: RaggedExperiment with 31824 rows and 214 columns
 [2] STAD_CNASNP-20160128: RaggedExperiment with 443042 rows and 906 columns
 [3] STAD_CNVSNP-20160128: RaggedExperiment with 118389 rows and 904 columns
 [4] STAD_GISTIC_AllByGene-20160128: SummarizedExperiment with 24776 rows and 441 columns
 [5] STAD_GISTIC_Peaks-20160128: RangedSummarizedExperiment with 84 rows and 441 columns
 [6] STAD_GISTIC_ThresholdedByGene-20160128: SummarizedExperiment with 24776 rows and 441 columns
 [7] STAD_miRNASeqGene-20160128: SummarizedExperiment with 1046 rows and 430 columns
```

```
[8] STAD_Mutation-20160128: RaggedExperiment with 148520 rows and 289 columns
[9] STAD_RNASeq2Gene-20160128: SummarizedExperiment with 20501 rows and 450 columns
[10] STAD_RNASeq2GeneNorm-20160128: SummarizedExperiment with 20501 rows and 450 columns
[11] STAD_RNASeqGene-20160128: SummarizedExperiment with 26120 rows and 271 columns
[12] STAD_RPPAArray-20160128: SummarizedExperiment with 195 rows and 357 columns
[13] STAD_Methylation_methyl27-20160128: SummarizedExperiment with 27578 rows and 73 columns
[14] STAD_Methylation_methyl450-20160128: SummarizedExperiment with 485577 rows and 397 columns
```

```
> rownames( STAD )
CharacterList of length 14
[["STAD_CNASeq-20160128"]] character(0)
[["STAD_CNASNP-20160128"]] character(0)
[["STAD_CNVSNP-20160128"]] character(0)
[["STAD_GISTIC_AllByGene-20160128"]] character(0)
[["STAD_GISTIC_Peaks-20160128"]] 1 37 38 2 3 39 40 ... 81 34 82 35 83 84 85
[["STAD_GISTIC_ThresholdedByGene-20160128"]] character(0)
[["STAD_miRNASeqGene-20160128"]] hsa-let-7a-1 hsa-let-7a-2 ... hsa-mir-99b
[["STAD_Mutation-20160128"]] character(0)
[["STAD_RNASeq2Gene-20160128"]] A1BG A1CF A2BP1 A2LD1 ... ZZZ3 psiTPTE22 tAKR
[["STAD_RNASeq2GeneNorm-20160128"]] A1BG A1CF A2BP1 ... ZZZ3 psiTPTE22 tAKR
...
<4 more elements>
```

```
> colnames( STAD )
CharacterList of length 14
[["STAD_CNASeq-20160128"]] TCGA-B7-5816-01A-21D-1598-02 ...
[["STAD_CNASNP-20160128"]] TCGA-3M-AB46-01A-11D-A40Z-01 ...
[["STAD_CNVSNP-20160128"]] TCGA-3M-AB46-01A-11D-A40Z-01 ...
[["STAD_GISTIC_AllByGene-20160128"]] TCGA-3M-AB46-01A-11D-A40Z-01 ...
[["STAD_GISTIC_Peaks-20160128"]] TCGA-3M-AB46-01A-11D-A40Z-01 ...
[["STAD_GISTIC_ThresholdedByGene-20160128"]] TCGA-3M-AB46-01A-11D-A40Z-01 ...
[["STAD_miRNASeqGene-20160128"]] TCGA-3M-AB46-01A-11R-A415-13 ...
[["STAD_Mutation-20160128"]] TCGA-B7-5816-01A-21D-1600-08 ...
[["STAD_RNASeq2Gene-20160128"]] TCGA-3M-AB46-01A-11R-A414-31 ...
[["STAD_RNASeq2GeneNorm-20160128"]] TCGA-3M-AB46-01A-11R-A414-31 ...
...
<4 more elements>
```

Sizes of each ExperimentList element:

	assay	size.Mb
1	STAD_CNASeq-20160128	0.9 Mb
2	STAD_CNASNP-20160128	12.1 Mb
3	STAD_CNVSNP-20160128	3.4 Mb
4	STAD_GISTIC_AllByGene-20160128	87 Mb
5	STAD_GISTIC_Peaks-20160128	0.4 Mb
6	STAD_GISTIC_ThresholdedByGene-20160128	86.8 Mb
7	STAD_miRNASeqGene-20160128	3.7 Mb
8	STAD_Mutation-20160128	161.5 Mb
9	STAD_RNASeq2Gene-20160128	73 Mb
10	STAD_RNASeq2GeneNorm-20160128	73 Mb
11	STAD_RNASeqGene-20160128	57.4 Mb

```

12          STAD_RPPAArray-20160128    0.6 Mb
13  STAD_Methylation_methyl27-20160128    4.9 Mb
14  STAD_Methylation_methyl450-20160128  75.1 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

Including an additional 1390 columns

```

STAD-v2.1.0

Stomach adenocarcinoma

Description

A document describing the TCGA cancer code

Details

```

> experiments( STAD )
ExperimentList class object of length 14:
 [1] STAD_CNASeq-20160128: RaggedExperiment with 31824 rows and 214 columns
 [2] STAD_CNASNP-20160128: RaggedExperiment with 443042 rows and 906 columns
 [3] STAD_CNVSNP-20160128: RaggedExperiment with 118389 rows and 904 columns
 [4] STAD_GISTIC_AllByGene-20160128: SummarizedExperiment with 24776 rows and 441 columns
 [5] STAD_GISTIC_Peaks-20160128: RangedSummarizedExperiment with 84 rows and 441 columns
 [6] STAD_GISTIC_ThresholdedByGene-20160128: SummarizedExperiment with 24776 rows and 441 columns

```

```

[7] STAD_Mutation-20160128: RaggedExperiment with 148520 rows and 289 columns
[8] STAD_RNASeq2Gene-20160128: SummarizedExperiment with 20501 rows and 450 columns
[9] STAD_RNASeqGene-20160128: SummarizedExperiment with 26120 rows and 271 columns
[10] STAD_RPPAArray-20160128: SummarizedExperiment with 195 rows and 357 columns
[11] STAD_miRNASeqGene-20160128: SummarizedExperiment with 1046 rows and 430 columns
[12] STAD_RNASeq2GeneNorm-20160128: SummarizedExperiment with 18664 rows and 450 columns
[13] STAD_Methylation_methyl27-20160128: SummarizedExperiment with 27578 rows and 73 columns
[14] STAD_Methylation_methyl450-20160128: SummarizedExperiment with 485577 rows and 397 columns

```

```

> rownames( STAD )
CharacterList of length 14
[["STAD_CNASeq-20160128"]] character(0)
[["STAD_CNASNP-20160128"]] character(0)
[["STAD_CNVSNP-20160128"]] character(0)
[["STAD_GISTIC_AllByGene-20160128"]] character(0)
[["STAD_GISTIC_Peaks-20160128"]] 1 37 38 2 3 39 40 ... 81 34 82 35 83 84 85
[["STAD_GISTIC_ThresholdedByGene-20160128"]] character(0)
[["STAD_Mutation-20160128"]] character(0)
[["STAD_RNASeq2Gene-20160128"]] A1BG A1CF A2BP1 A2LD1 ... ZZZ3 psiTPTE22 tAKR
[["STAD_RNASeqGene-20160128"]] AADACL3 AADACL4 AB007962 ... VCY XKRY ZFY
[["STAD_RPPAArray-20160128"]] 14-3-3_beta ... p90RSK_pT359_S363
...
<4 more elements>

```

```

> colnames( STAD )
CharacterList of length 14
[["STAD_CNASeq-20160128"]] TCGA-B7-5816-01A-21D-1598-02 ...
[["STAD_CNASNP-20160128"]] TCGA-3M-AB46-01A-11D-A40Z-01 ...
[["STAD_CNVSNP-20160128"]] TCGA-3M-AB46-01A-11D-A40Z-01 ...
[["STAD_GISTIC_AllByGene-20160128"]] TCGA-3M-AB46-01A-11D-A40Z-01 ...
[["STAD_GISTIC_Peaks-20160128"]] TCGA-3M-AB46-01A-11D-A40Z-01 ...
[["STAD_GISTIC_ThresholdedByGene-20160128"]] TCGA-3M-AB46-01A-11D-A40Z-01 ...
[["STAD_Mutation-20160128"]] TCGA-B7-5816-01A-21D-1600-08 ...
[["STAD_RNASeq2Gene-20160128"]] TCGA-3M-AB46-01A-11R-A414-31 ...
[["STAD_RNASeqGene-20160128"]] TCGA-B7-5816-01A-21R-1602-13 ...
[["STAD_RPPAArray-20160128"]] TCGA-3M-AB47-01A-11-A43D-20 ...
...
<4 more elements>

```

Sizes of each ExperimentList element:

	assay	size.Mb
1	STAD_CNASeq-20160128	0.9 Mb
2	STAD_CNASNP-20160128	12.1 Mb
3	STAD_CNVSNP-20160128	3.4 Mb
4	STAD_GISTIC_AllByGene-20160128	87 Mb
5	STAD_GISTIC_Peaks-20160128	0.4 Mb
6	STAD_GISTIC_ThresholdedByGene-20160128	86.8 Mb
7	STAD_Mutation-20160128	161.5 Mb
8	STAD_RNASeq2Gene-20160128	73 Mb
9	STAD_RNASeqGene-20160128	57.4 Mb
10	STAD_RPPAArray-20160128	0.6 Mb

```

11          STAD_miRNASeqGene-20160128    3.7 Mb
12          STAD_RNASeq2GeneNorm-20160128 66.5 Mb
13          STAD_Methylation_methyl27-20160128 4.9 Mb
14          STAD_Methylation_methyl450-20160128 75.1 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
[1,] 170    170  0.948   0.792   1.08

```

```

-----
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

```

Including an additional 1390 columns

TGCT

Testicular Germ Cell Tumors

Description

A document describing the TCGA cancer code

Details

```

> experiments( TGCT )
ExperimentList class object of length 10:
 [1] TGCT_CNASNP-20160128: RaggedExperiment with 137968 rows and 271 columns
 [2] TGCT_CNVSNP-20160128: RaggedExperiment with 25479 rows and 271 columns
 [3] TGCT_GISTIC_AllByGene-20160128: SummarizedExperiment with 24776 rows and 134 columns
 [4] TGCT_GISTIC_Peaks-20160128: RangedSummarizedExperiment with 48 rows and 134 columns
 [5] TGCT_GISTIC_ThresholdedByGene-20160128: SummarizedExperiment with 24776 rows and 134 columns

```

```
[6] TGCT_miRNASeqGene-20160128: SummarizedExperiment with 1046 rows and 139 columns
[7] TGCT_Mutation-20160128: RaggedExperiment with 14672 rows and 138 columns
[8] TGCT_RNASeq2GeneNorm-20160128: SummarizedExperiment with 20501 rows and 139 columns
[9] TGCT_RPPAArray-20160128: SummarizedExperiment with 192 rows and 107 columns
[10] TGCT_Methylation-20160128: SummarizedExperiment with 485577 rows and 139 columns
```

```
> rownames( TGCT )
CharacterList of length 10
[["TGCT_CNASNP-20160128"]] character(0)
[["TGCT_CNVSNP-20160128"]] character(0)
[["TGCT_GISTIC_AllByGene-20160128"]] ACAP3 ... WASIR1|ENSG00000185203.7
[["TGCT_GISTIC_Peaks-20160128"]] chr1:1-48649489 ... chr22:18613558-22141824
[["TGCT_GISTIC_ThresholdedByGene-20160128"]] ACAP3 ...
[["TGCT_miRNASeqGene-20160128"]] hsa-let-7a-1 hsa-let-7a-2 ... hsa-mir-99b
[["TGCT_Mutation-20160128"]] character(0)
[["TGCT_RNASeq2GeneNorm-20160128"]] A1BG A1CF A2BP1 ... ZZZ3 psiTPTE22 tAKR
[["TGCT_RPPAArray-20160128"]] 14-3-3_beta ... p90RSK_pT359_S363
[["TGCT_Methylation-20160128"]] cg00000029 cg00000108 ... rs966367 rs9839873

> colnames( TGCT )
CharacterList of length 10
[["TGCT_CNASNP-20160128"]] TCGA-2G-AAEW-01A-11D-A42X-01 ...
[["TGCT_CNVSNP-20160128"]] TCGA-2G-AAEW-01A-11D-A42X-01 ...
[["TGCT_GISTIC_AllByGene-20160128"]] TCGA-2G-AAEW-01A-11D-A42X-01 ...
[["TGCT_GISTIC_Peaks-20160128"]] TCGA-2G-AAEW-01A-11D-A42X-01 ...
[["TGCT_GISTIC_ThresholdedByGene-20160128"]] TCGA-2G-AAEW-01A-11D-A42X-01 ...
[["TGCT_miRNASeqGene-20160128"]] TCGA-2G-AAEW-01A-11R-A439-13 ...
[["TGCT_Mutation-20160128"]] TCGA-2G-AAEW-01A-11D-A42Y-10 ...
[["TGCT_RNASeq2GeneNorm-20160128"]] TCGA-2G-AAEW-01A-11R-A430-07 ...
[["TGCT_RPPAArray-20160128"]] TCGA-2G-AAEW-01A-21-A45P-20 ...
[["TGCT_Methylation-20160128"]] TCGA-2G-AAEW-01A-11D-A42Z-05 ...
```

Sizes of each ExperimentList element:

		assay size.Mb
1	TGCT_CNASNP-20160128	3.8 Mb
2	TGCT_CNVSNP-20160128	0.8 Mb
3	TGCT_GISTIC_AllByGene-20160128	4.9 Mb
4	TGCT_GISTIC_Peaks-20160128	0.1 Mb
5	TGCT_GISTIC_ThresholdedByGene-20160128	4.9 Mb
6	TGCT_miRNASeqGene-20160128	0.1 Mb
7	TGCT_Mutation-20160128	10 Mb
8	TGCT_RNASeq2GeneNorm-20160128	1.3 Mb
9	TGCT_RPPAArray-20160128	0 Mb
10	TGCT_Methylation-20160128	75 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
```

Including an additional 762 columns

See Also

[TGCT-v2.0.1](#)

TGCT-v2.0.1	<i>Testicular Germ Cell Tumors</i>
-------------	------------------------------------

Description

A document describing the TCGA cancer code

Details

```
> experiments( TGCT )
ExperimentList class object of length 11:
[1] TGCT_CNASNP-20160128: RaggedExperiment with 137968 rows and 271 columns
[2] TGCT_CNVSNP-20160128: RaggedExperiment with 25479 rows and 271 columns
[3] TGCT_GISTIC_AllByGene-20160128: SummarizedExperiment with 24776 rows and 134 columns
[4] TGCT_GISTIC_Peaks-20160128: RangedSummarizedExperiment with 48 rows and 134 columns
[5] TGCT_GISTIC_ThresholdedByGene-20160128: SummarizedExperiment with 24776 rows and 134 columns
[6] TGCT_miRNASeqGene-20160128: SummarizedExperiment with 1046 rows and 139 columns
[7] TGCT_Mutation-20160128: RaggedExperiment with 14672 rows and 138 columns
[8] TGCT_RNASeq2Gene-20160128: SummarizedExperiment with 20501 rows and 139 columns
[9] TGCT_RNASeq2GeneNorm-20160128: SummarizedExperiment with 20501 rows and 139 columns
[10] TGCT_RPPAArray-20160128: SummarizedExperiment with 192 rows and 107 columns
[11] TGCT_Methylation-20160128: SummarizedExperiment with 485577 rows and 139 columns

> rownames( TGCT )
CharacterList of length 11
[["TGCT_CNASNP-20160128"]] character(0)
[["TGCT_CNVSNP-20160128"]] character(0)
[["TGCT_GISTIC_AllByGene-20160128"]] character(0)
```

```

[["TGCT_GISTIC_Peaks-20160128"]] 17 18 1 19 2 20 21 ... 44 45 47 46 48 15 16
[["TGCT_GISTIC_ThresholdedByGene-20160128"]] character(0)
[["TGCT_miRNASeqGene-20160128"]] hsa-let-7a-1 hsa-let-7a-2 ... hsa-mir-99b
[["TGCT_Mutation-20160128"]] character(0)
[["TGCT_RNASeq2Gene-20160128"]] A1BG A1CF A2BP1 A2LD1 ... ZZZ3 psiTPTE22 tAKR
[["TGCT_RNASeq2GeneNorm-20160128"]] A1BG A1CF A2BP1 ... ZZZ3 psiTPTE22 tAKR
[["TGCT_RPPAArray-20160128"]] 14-3-3_beta ... p90RSK_pT359_S363
...
<1 more element>

```

```

> colnames( TGCT )
CharacterList of length 11
[["TGCT_CNASNP-20160128"]] TCGA-2G-AAEW-01A-11D-A42X-01 ...
[["TGCT_CNVSNP-20160128"]] TCGA-2G-AAEW-01A-11D-A42X-01 ...
[["TGCT_GISTIC_AllByGene-20160128"]] TCGA-2G-AAEW-01A-11D-A42X-01 ...
[["TGCT_GISTIC_Peaks-20160128"]] TCGA-2G-AAEW-01A-11D-A42X-01 ...
[["TGCT_GISTIC_ThresholdedByGene-20160128"]] TCGA-2G-AAEW-01A-11D-A42X-01 ...
[["TGCT_miRNASeqGene-20160128"]] TCGA-2G-AAEW-01A-11R-A439-13 ...
[["TGCT_Mutation-20160128"]] TCGA-2G-AAEW-01A-11D-A42Y-10 ...
[["TGCT_RNASeq2Gene-20160128"]] TCGA-2G-AAEW-01A-11R-A430-07 ...
[["TGCT_RNASeq2GeneNorm-20160128"]] TCGA-2G-AAEW-01A-11R-A430-07 ...
[["TGCT_RPPAArray-20160128"]] TCGA-2G-AAEW-01A-21-A45P-20 ...
...
<1 more element>

```

Sizes of each ExperimentList element:

		assay size.Mb
1	TGCT_CNASNP-20160128	3.8 Mb
2	TGCT_CNVSNP-20160128	0.8 Mb
3	TGCT_GISTIC_AllByGene-20160128	28.8 Mb
4	TGCT_GISTIC_Peaks-20160128	0.1 Mb
5	TGCT_GISTIC_ThresholdedByGene-20160128	28.7 Mb
6	TGCT_miRNASeqGene-20160128	1.3 Mb
7	TGCT_Mutation-20160128	10 Mb
8	TGCT_RNASeq2Gene-20160128	24.3 Mb
9	TGCT_RNASeq2GeneNorm-20160128	24.3 Mb
10	TGCT_RPPAArray-20160128	0.2 Mb
11	TGCT_Methylation-20160128	75 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

```

Including an additional 762 columns

TGCT-v2.1.0	<i>Testicular Germ Cell Tumors</i>
-------------	------------------------------------

Description

A document describing the TCGA cancer code

Details

```

> experiments( TGCT )
ExperimentList class object of length 11:
 [1] TGCT_CNASNP-20160128: RaggedExperiment with 137968 rows and 271 columns
 [2] TGCT_CNVSNP-20160128: RaggedExperiment with 25479 rows and 271 columns
 [3] TGCT_GISTIC_AllByGene-20160128: SummarizedExperiment with 24776 rows and 134 columns
 [4] TGCT_GISTIC_Peaks-20160128: RangedSummarizedExperiment with 48 rows and 134 columns
 [5] TGCT_GISTIC_ThresholdedByGene-20160128: SummarizedExperiment with 24776 rows and 134 columns
 [6] TGCT_Mutation-20160128: RaggedExperiment with 14672 rows and 138 columns
 [7] TGCT_RNASeq2Gene-20160128: SummarizedExperiment with 20501 rows and 139 columns
 [8] TGCT_RPPAArray-20160128: SummarizedExperiment with 192 rows and 107 columns
 [9] TGCT_miRNASeqGene-20160128: SummarizedExperiment with 1046 rows and 139 columns
[10] TGCT_RNASeq2GeneNorm-20160128: SummarizedExperiment with 19036 rows and 139 columns
[11] TGCT_Methylation-20160128: SummarizedExperiment with 485577 rows and 139 columns

> rownames( TGCT )
CharacterList of length 11
[["TGCT_CNASNP-20160128"]] character(0)
[["TGCT_CNVSNP-20160128"]] character(0)
[["TGCT_GISTIC_AllByGene-20160128"]] character(0)
[["TGCT_GISTIC_Peaks-20160128"]] 17 18 1 19 2 20 21 ... 44 45 47 46 48 15 16
[["TGCT_GISTIC_ThresholdedByGene-20160128"]] character(0)
[["TGCT_Mutation-20160128"]] character(0)
[["TGCT_RNASeq2Gene-20160128"]] A1BG A1CF A2BP1 A2LD1 ... ZZZ3 psiTPTE22 tAKR
[["TGCT_RPPAArray-20160128"]] 14-3-3_beta ... p90RSK_pT359_S363
[["TGCT_miRNASeqGene-20160128"]] hsa-let-7a-1 hsa-let-7a-2 ... hsa-mir-99b
[["TGCT_RNASeq2GeneNorm-20160128"]] A1BG A1CF A2BP1 ... ZZE1 ZZZ3 psiTPTE22
...
<1 more element>

```

```
> colnames( TGCT )
CharacterList of length 11
[["TGCT_CNASNP-20160128"]] TCGA-2G-AAEW-01A-11D-A42X-01 ...
[["TGCT_CNVSNP-20160128"]] TCGA-2G-AAEW-01A-11D-A42X-01 ...
[["TGCT_GISTIC_AllByGene-20160128"]] TCGA-2G-AAEW-01A-11D-A42X-01 ...
[["TGCT_GISTIC_Peaks-20160128"]] TCGA-2G-AAEW-01A-11D-A42X-01 ...
[["TGCT_GISTIC_ThresholdedByGene-20160128"]] TCGA-2G-AAEW-01A-11D-A42X-01 ...
[["TGCT_Mutation-20160128"]] TCGA-2G-AAEW-01A-11D-A42Y-10 ...
[["TGCT_RNASeq2Gene-20160128"]] TCGA-2G-AAEW-01A-11R-A430-07 ...
[["TGCT_RPPAArray-20160128"]] TCGA-2G-AAEW-01A-21-A45P-20 ...
[["TGCT_miRNASeqGene-20160128"]] TCGA-2G-AAEW-01A-11R-A439-13 ...
[["TGCT_RNASeq2GeneNorm-20160128"]] TCGA-2G-AAEW-01 ... TCGA-ZM-AA0N-01
...
<1 more element>
```

Sizes of each ExperimentList element:

		assay size.Mb
1	TGCT_CNASNP-20160128	3.8 Mb
2	TGCT_CNVSNP-20160128	0.8 Mb
3	TGCT_GISTIC_AllByGene-20160128	28.8 Mb
4	TGCT_GISTIC_Peaks-20160128	0.1 Mb
5	TGCT_GISTIC_ThresholdedByGene-20160128	28.7 Mb
6	TGCT_Mutation-20160128	10 Mb
7	TGCT_RNASeq2Gene-20160128	24.3 Mb
8	TGCT_RPPAArray-20160128	0.2 Mb
9	TGCT_miRNASeqGene-20160128	1.3 Mb
10	TGCT_RNASeq2GeneNorm-20160128	22.6 Mb
11	TGCT_Methylation-20160128	75 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
[1,] 4      4    1.55 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

4

6

NA's

5

white

119

ethnicity:

hispanic or latino not hispanic or latino

12

111

NA's

11

Including an additional 762 columns

THCA

Thyroid carcinoma

Description

A document describing the TCGA cancer code

Details

```
> experiments( THCA )
ExperimentList class object of length 12:
 [1] THCA_CNASeq-20160128: RaggedExperiment with 5953 rows and 203 columns
 [2] THCA_CNASNP-20160128: RaggedExperiment with 389998 rows and 1013 columns
 [3] THCA_CNVSNP-20160128: RaggedExperiment with 55117 rows and 1013 columns
 [4] THCA_GISTIC_AllByGene-20160128: SummarizedExperiment with 24776 rows and 499 columns
 [5] THCA_GISTIC_Peaks-20160128: RangedSummarizedExperiment with 38 rows and 499 columns
 [6] THCA_GISTIC_ThresholdedByGene-20160128: SummarizedExperiment with 24776 rows and 499 columns
 [7] THCA_miRNASeqGene-20160128: SummarizedExperiment with 1046 rows and 569 columns
 [8] THCA_Mutation-20160128: RaggedExperiment with 7458 rows and 405 columns
 [9] THCA_RNASeq2GeneNorm-20160128: SummarizedExperiment with 20501 rows and 568 columns
[10] THCA_RNASeqGene-20160128: SummarizedExperiment with 20502 rows and 4 columns
[11] THCA_RPPAArray-20160128: SummarizedExperiment with 175 rows and 224 columns
[12] THCA_Methylation-20160128: SummarizedExperiment with 485577 rows and 567 columns

> rownames( THCA )
CharacterList of length 12
[["THCA_CNASeq-20160128"]] character(0)
[["THCA_CNASNP-20160128"]] character(0)
[["THCA_CNVSNP-20160128"]] character(0)
[["THCA_GISTIC_AllByGene-20160128"]] ACAP3 ... WASIR1|ENSG00000185203.7
[["THCA_GISTIC_Peaks-20160128"]] chr1:158681167-215338621 ...
[["THCA_GISTIC_ThresholdedByGene-20160128"]] ACAP3 ...
[["THCA_miRNASeqGene-20160128"]] hsa-let-7a-1 hsa-let-7a-2 ... hsa-mir-99b
[["THCA_Mutation-20160128"]] character(0)
[["THCA_RNASeq2GeneNorm-20160128"]] A1BG A1CF A2BP1 ... ZZZ3 psiTPTE22 tAKR
[["THCA_RNASeqGene-20160128"]] A1BG A1CF A2BP1 A2LD1 ... ZZZ3 psiTPTE22 tAKR
...
<2 more elements>

> colnames( THCA )
CharacterList of length 12
[["THCA_CNASeq-20160128"]] TCGA-BJ-A0Z2-01A-11D-A10R-02 ...
[["THCA_CNASNP-20160128"]] TCGA-4C-A93U-01A-11D-A396-01 ...
[["THCA_CNVSNP-20160128"]] TCGA-4C-A93U-01A-11D-A396-01 ...
[["THCA_GISTIC_AllByGene-20160128"]] TCGA-4C-A93U-01A-11D-A396-01 ...
[["THCA_GISTIC_Peaks-20160128"]] TCGA-4C-A93U-01A-11D-A396-01 ...
[["THCA_GISTIC_ThresholdedByGene-20160128"]] TCGA-4C-A93U-01A-11D-A396-01 ...
[["THCA_miRNASeqGene-20160128"]] TCGA-4C-A93U-01A-11R-A39B-13 ...
```

```

[["THCA_Mutation-20160128"]] TCGA-BJ-A0YZ-01A-11D-A10S-08 ...
[["THCA_RNASeq2GeneNorm-20160128"]] TCGA-4C-A93U-01A-11R-A39I-07 ...
[["THCA_RNASeqGene-20160128"]] TCGA-DJ-A1QE-01A-21R-A14Y-07 ...
...
<2 more elements>

```

Sizes of each ExperimentList element:

		assay	size.Mb
1	THCA_CNASeq-20160128		0.2 Mb
2	THCA_CNASNP-20160128		10.7 Mb
3	THCA_CNVSNP-20160128		1.8 Mb
4	THCA_GISTIC_AllByGene-20160128		4.9 Mb
5	THCA_GISTIC_Peaks-20160128		0.1 Mb
6	THCA_GISTIC_ThresholdedByGene-20160128		4.9 Mb
7	THCA_miRNASeqGene-20160128		0.1 Mb
8	THCA_Mutation-20160128		14 Mb
9	THCA_RNASeq2GeneNorm-20160128		1.3 Mb
10	THCA_RNASeqGene-20160128		1.3 Mb
11	THCA_RPPAArray-20160128		0 Mb
12	THCA_Methylation-20160128		75.1 Mb

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

```

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

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

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

Including an additional 1481 columns

See Also[THCA-v2.0.1](#)

THCA-v2.0.1

*Thyroid carcinoma***Description**

A document describing the TCGA cancer code

Details

```
> experiments( THCA )
ExperimentList class object of length 13:
 [1] THCA_CNASeq-20160128: RaggedExperiment with 5953 rows and 203 columns
 [2] THCA_CNASNP-20160128: RaggedExperiment with 389998 rows and 1013 columns
 [3] THCA_CNVSNP-20160128: RaggedExperiment with 55117 rows and 1013 columns
 [4] THCA_GISTIC_AllByGene-20160128: SummarizedExperiment with 24776 rows and 499 columns
 [5] THCA_GISTIC_Peaks-20160128: RangedSummarizedExperiment with 38 rows and 499 columns
 [6] THCA_GISTIC_ThresholdedByGene-20160128: SummarizedExperiment with 24776 rows and 499 columns
 [7] THCA_miRNASeqGene-20160128: SummarizedExperiment with 1046 rows and 569 columns
 [8] THCA_Mutation-20160128: RaggedExperiment with 7458 rows and 405 columns
 [9] THCA_RNASeq2Gene-20160128: SummarizedExperiment with 20501 rows and 568 columns
[10] THCA_RNASeq2GeneNorm-20160128: SummarizedExperiment with 20501 rows and 568 columns
[11] THCA_RNASeqGene-20160128: SummarizedExperiment with 20502 rows and 4 columns
[12] THCA_RPPAArray-20160128: SummarizedExperiment with 175 rows and 224 columns
[13] THCA_Methylation-20160128: SummarizedExperiment with 485577 rows and 567 columns

> rownames( THCA )
CharacterList of length 13
[["THCA_CNASeq-20160128"]] character(0)
[["THCA_CNASNP-20160128"]] character(0)
[["THCA_CNVSNP-20160128"]] character(0)
[["THCA_GISTIC_AllByGene-20160128"]] character(0)
[["THCA_GISTIC_Peaks-20160128"]] 1 10 11 12 2 13 3 14 ... 36 37 38 39 7 40 41
[["THCA_GISTIC_ThresholdedByGene-20160128"]] character(0)
[["THCA_miRNASeqGene-20160128"]] hsa-let-7a-1 hsa-let-7a-2 ... hsa-mir-99b
[["THCA_Mutation-20160128"]] character(0)
[["THCA_RNASeq2Gene-20160128"]] A1BG A1CF A2BP1 A2LD1 ... ZZZ3 psiTPTE22 tAKR
[["THCA_RNASeq2GeneNorm-20160128"]] A1BG A1CF A2BP1 ... ZZZ3 psiTPTE22 tAKR
...
<3 more elements>

> colnames( THCA )
CharacterList of length 13
[["THCA_CNASeq-20160128"]] TCGA-BJ-A0Z2-01A-11D-A10R-02 ...
[["THCA_CNASNP-20160128"]] TCGA-4C-A93U-01A-11D-A396-01 ...
[["THCA_CNVSNP-20160128"]] TCGA-4C-A93U-01A-11D-A396-01 ...
[["THCA_GISTIC_AllByGene-20160128"]] TCGA-4C-A93U-01A-11D-A396-01 ...
[["THCA_GISTIC_Peaks-20160128"]] TCGA-4C-A93U-01A-11D-A396-01 ...
```

```

[["THCA_GISTIC_ThresholdedByGene-20160128"]] TCGA-4C-A93U-01A-11D-A396-01 ...
[["THCA_miRNASeqGene-20160128"]] TCGA-4C-A93U-01A-11R-A39B-13 ...
[["THCA_Mutation-20160128"]] TCGA-BJ-A0YZ-01A-11D-A10S-08 ...
[["THCA_RNASeq2Gene-20160128"]] TCGA-4C-A93U-01A-11R-A39I-07 ...
[["THCA_RNASeq2GeneNorm-20160128"]] TCGA-4C-A93U-01A-11R-A39I-07 ...
...
<3 more elements>

```

Sizes of each ExperimentList element:

		assay size.Mb
1	THCA_CNASeq-20160128	0.2 Mb
2	THCA_CNASNP-20160128	10.7 Mb
3	THCA_CNVSNP-20160128	1.8 Mb
4	THCA_GISTIC_AllByGene-20160128	97.8 Mb
5	THCA_GISTIC_Peaks-20160128	0.3 Mb
6	THCA_GISTIC_ThresholdedByGene-20160128	97.7 Mb
7	THCA_miRNASeqGene-20160128	4.8 Mb
8	THCA_Mutation-20160128	14 Mb
9	THCA_RNASeq2Gene-20160128	91.5 Mb
10	THCA_RNASeq2GeneNorm-20160128	91.5 Mb
11	THCA_RNASeqGene-20160128	3.2 Mb
12	THCA_RPPAArray-20160128	0.4 Mb
13	THCA_Methylation-20160128	75.1 Mb

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

```

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

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

radiation_exposure:

no	yes	NA's
423	17	63

extrathyroidal_extension:

minimal (t3)	moderate/advanced (t4a)	very advanced (t4b)	NA's
133	18	1	18
			333

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

Including an additional 1481 columns

THCA-v2.1.0

Thyroid carcinoma

Description

A document describing the TCGA cancer code

Details

```
> experiments( THCA )
ExperimentList class object of length 13:
 [1] THCA_CNASeq-20160128: RaggedExperiment with 5953 rows and 203 columns
 [2] THCA_CNASNP-20160128: RaggedExperiment with 389998 rows and 1013 columns
 [3] THCA_CNVSNP-20160128: RaggedExperiment with 55117 rows and 1013 columns
 [4] THCA_GISTIC_AllByGene-20160128: SummarizedExperiment with 24776 rows and 499 columns
 [5] THCA_GISTIC_Peaks-20160128: RangedSummarizedExperiment with 38 rows and 499 columns
 [6] THCA_GISTIC_ThresholdedByGene-20160128: SummarizedExperiment with 24776 rows and 499 columns
 [7] THCA_Mutation-20160128: RaggedExperiment with 7458 rows and 405 columns
 [8] THCA_RNASeq2Gene-20160128: SummarizedExperiment with 20501 rows and 568 columns
 [9] THCA_RNASeqGene-20160128: SummarizedExperiment with 20502 rows and 4 columns
[10] THCA_RPPAArray-20160128: SummarizedExperiment with 175 rows and 224 columns
[11] THCA_miRNASeqGene-20160128: SummarizedExperiment with 1046 rows and 569 columns
[12] THCA_RNASeq2GeneNorm-20160128: SummarizedExperiment with 18003 rows and 568 columns
[13] THCA_Methylation-20160128: SummarizedExperiment with 485577 rows and 567 columns

> rownames( THCA )
CharacterList of length 13
[["THCA_CNASeq-20160128"]] character(0)
[["THCA_CNASNP-20160128"]] character(0)
[["THCA_CNVSNP-20160128"]] character(0)
[["THCA_GISTIC_AllByGene-20160128"]] character(0)
[["THCA_GISTIC_Peaks-20160128"]] 1 10 11 12 2 13 3 14 ... 36 37 38 39 7 40 41
[["THCA_GISTIC_ThresholdedByGene-20160128"]] character(0)
[["THCA_Mutation-20160128"]] character(0)
[["THCA_RNASeq2Gene-20160128"]] A1BG A1CF A2BP1 A2LD1 ... ZZZ3 psiTPTE22 tAKR
[["THCA_RNASeqGene-20160128"]] A1BG A1CF A2BP1 A2LD1 ... ZZZ3 psiTPTE22 tAKR
[["THCA_RPPAArray-20160128"]] 14-3-3_epsilon 4E-BP1 ... p90RSK_pT359_S363
...
<3 more elements>

> colnames( THCA )
CharacterList of length 13
[["THCA_CNASeq-20160128"]] TCGA-BJ-A0Z2-01A-11D-A10R-02 ...
[["THCA_CNASNP-20160128"]] TCGA-4C-A93U-01A-11D-A396-01 ...
[["THCA_CNVSNP-20160128"]] TCGA-4C-A93U-01A-11D-A396-01 ...
[["THCA_GISTIC_AllByGene-20160128"]] TCGA-4C-A93U-01A-11D-A396-01 ...
[["THCA_GISTIC_Peaks-20160128"]] TCGA-4C-A93U-01A-11D-A396-01 ...
[["THCA_GISTIC_ThresholdedByGene-20160128"]] TCGA-4C-A93U-01A-11D-A396-01 ...
```

```

[["THCA_Mutation-20160128"]] TCGA-BJ-A0YZ-01A-11D-A10S-08 ...
[["THCA_RNASeq2Gene-20160128"]] TCGA-4C-A93U-01A-11R-A39I-07 ...
[["THCA_RNASeqGene-20160128"]] TCGA-DJ-A1QE-01A-21R-A14Y-07 ...
[["THCA_RPPAArray-20160128"]] TCGA-BJ-A0YZ-01A-21-A21L-20 ...
...
<3 more elements>

```

Sizes of each ExperimentList element:

	assay	size.Mb
1	THCA_CNASeq-20160128	0.2 Mb
2	THCA_CNASNP-20160128	10.7 Mb
3	THCA_CNVSNP-20160128	1.8 Mb
4	THCA_GISTIC_AllByGene-20160128	97.8 Mb
5	THCA_GISTIC_Peaks-20160128	0.3 Mb
6	THCA_GISTIC_ThresholdedByGene-20160128	97.7 Mb
7	THCA_Mutation-20160128	14 Mb
8	THCA_RNASeq2Gene-20160128	91.5 Mb
9	THCA_RNASeqGene-20160128	3.2 Mb
10	THCA_RPPAArray-20160128	0.4 Mb
11	THCA_miRNASeqGene-20160128	4.8 Mb
12	THCA_RNASeq2GeneNorm-20160128	80.3 Mb
13	THCA_Methylation-20160128	75.1 Mb

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

```

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

```

```

      487 observations deleted due to missingness
      n events median 0.95LCL 0.95UCL
[1,] 16      16      2.8      2.23      4.8

```

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

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

radiation_exposure:

no	yes	NA's
423	17	63

extrathyroidal_extension:

minimal (t3)	moderate/advanced (t4a)	very advanced (t4b)	NA's
133	18	1	18
			18

none
333

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

Including an additional 1481 columns

THYM	<i>Thymoma</i>
------	----------------

Description

A document describing the TCGA cancer code

Details

```
> experiments( THYM )
ExperimentList class object of length 10:
 [1] THYM_CNASNP-20160128: RaggedExperiment with 105646 rows and 248 columns
 [2] THYM_CNVSNP-20160128: RaggedExperiment with 15571 rows and 248 columns
 [3] THYM_GISTIC_AllByGene-20160128: SummarizedExperiment with 24776 rows and 123 columns
 [4] THYM_GISTIC_Peaks-20160128: RangedSummarizedExperiment with 16 rows and 123 columns
 [5] THYM_GISTIC_ThresholdedByGene-20160128: SummarizedExperiment with 24776 rows and 123 columns
 [6] THYM_miRNASeqGene-20160128: SummarizedExperiment with 1046 rows and 126 columns
 [7] THYM_Mutation-20160128: RaggedExperiment with 3064 rows and 123 columns
 [8] THYM_RNASeq2GeneNorm-20160128: SummarizedExperiment with 20501 rows and 122 columns
 [9] THYM_RPPAArray-20160128: SummarizedExperiment with 192 rows and 90 columns
[10] THYM_Methylation-20160128: SummarizedExperiment with 485577 rows and 126 columns

> rownames( THYM )
CharacterList of length 10
[["THYM_CNASNP-20160128"]] character(0)
[["THYM_CNVSNP-20160128"]] character(0)
[["THYM_GISTIC_AllByGene-20160128"]] ACAP3 ... WASIR1|ENSG00000185203.7
[["THYM_GISTIC_Peaks-20160128"]] chr1:208606110-249250621 ...
[["THYM_GISTIC_ThresholdedByGene-20160128"]] ACAP3 ...
[["THYM_miRNASeqGene-20160128"]] hsa-let-7a-1 hsa-let-7a-2 ... hsa-mir-99b
[["THYM_Mutation-20160128"]] character(0)
[["THYM_RNASeq2GeneNorm-20160128"]] A1BG A1CF A2BP1 ... ZZZ3 psiTPTE22 tAKR
[["THYM_RPPAArray-20160128"]] 14-3-3_beta ... p90RSK_pT359_S363
[["THYM_Methylation-20160128"]] cg00000029 cg00000108 ... rs966367 rs9839873

> colnames( THYM )
CharacterList of length 10
[["THYM_CNASNP-20160128"]] TCGA-3G-AB00-01A-22D-A422-01 ...
[["THYM_CNVSNP-20160128"]] TCGA-3G-AB00-01A-22D-A422-01 ...
[["THYM_GISTIC_AllByGene-20160128"]] TCGA-3G-AB00-01A-22D-A422-01 ...
[["THYM_GISTIC_Peaks-20160128"]] TCGA-3G-AB00-01A-22D-A422-01 ...
[["THYM_GISTIC_ThresholdedByGene-20160128"]] TCGA-3G-AB00-01A-22D-A422-01 ...
[["THYM_miRNASeqGene-20160128"]] TCGA-3G-AB00-01A-22R-A42W-13 ...
[["THYM_Mutation-20160128"]] TCGA-3G-AB00-01A-22D-A423-09 ...
[["THYM_RNASeq2GeneNorm-20160128"]] TCGA-3G-AB00-01A-22R-A42C-07 ...
[["THYM_RPPAArray-20160128"]] TCGA-3G-AB00-01A-11-A45R-20 ...
[["THYM_Methylation-20160128"]] TCGA-3G-AB00-01A-22D-A424-05 ...
```

Sizes of each ExperimentList element:

		assay	size.Mb
1		THYM_CNASNP-20160128	2.9 Mb
2		THYM_CNVSNP-20160128	0.5 Mb
3		THYM_GISTIC_AllByGene-20160128	4.9 Mb
4		THYM_GISTIC_Peaks-20160128	0 Mb
5		THYM_GISTIC_ThresholdedByGene-20160128	4.9 Mb
6		THYM_miRNASeqGene-20160128	0.1 Mb
7		THYM_Mutation-20160128	3.3 Mb
8		THYM_RNASeq2GeneNorm-20160128	1.3 Mb
9		THYM_RPPAArray-20160128	0 Mb
10		THYM_Methylation-20160128	75 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
			NA's			103
			2			
ethnicity:						
hispanic or latino			not hispanic or latino			NA's
10			100			14

Including an additional 685 columns

See Also

[THYM-v2.0.1](#)

THYM-v2.0.1	<i>Thymoma</i>
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Description

A document describing the TCGA cancer code

Details

```
> experiments( THYM )
ExperimentList class object of length 11:
 [1] THYM_CNASNP-20160128: RaggedExperiment with 105646 rows and 248 columns
 [2] THYM_CNVSNP-20160128: RaggedExperiment with 15571 rows and 248 columns
 [3] THYM_GISTIC_AllByGene-20160128: SummarizedExperiment with 24776 rows and 123 columns
 [4] THYM_GISTIC_Peaks-20160128: RangedSummarizedExperiment with 16 rows and 123 columns
 [5] THYM_GISTIC_ThresholdedByGene-20160128: SummarizedExperiment with 24776 rows and 123 columns
 [6] THYM_miRNASeqGene-20160128: SummarizedExperiment with 1046 rows and 126 columns
 [7] THYM_Mutation-20160128: RaggedExperiment with 3064 rows and 123 columns
 [8] THYM_RNASeq2Gene-20160128: SummarizedExperiment with 20501 rows and 122 columns
 [9] THYM_RNASeq2GeneNorm-20160128: SummarizedExperiment with 20501 rows and 122 columns
[10] THYM_RPPAArray-20160128: SummarizedExperiment with 192 rows and 90 columns
[11] THYM_Methylation-20160128: SummarizedExperiment with 485577 rows and 126 columns

> rownames( THYM )
CharacterList of length 11
```

```

[["THYM_CNASNP-20160128"]] character(0)
[["THYM_CNVSNP-20160128"]] character(0)
[["THYM_GISTIC_AllByGene-20160128"]] character(0)
[["THYM_GISTIC_Peaks-20160128"]] 1 8 9 10 11 12 13 14 2 15 3 4 16 5 17 18
[["THYM_GISTIC_ThresholdedByGene-20160128"]] character(0)
[["THYM_miRNASeqGene-20160128"]] hsa-let-7a-1 hsa-let-7a-2 ... hsa-mir-99b
[["THYM_Mutation-20160128"]] character(0)
[["THYM_RNASeq2Gene-20160128"]] A1BG A1CF A2BP1 A2LD1 ... ZZZ3 psiTPTE22 tAKR
[["THYM_RNASeq2GeneNorm-20160128"]] A1BG A1CF A2BP1 ... ZZZ3 psiTPTE22 tAKR
[["THYM_RPPAArray-20160128"]] 14-3-3_beta ... p90RSK_pT359_S363
...
<1 more element>

```

```

> colnames( THYM )
CharacterList of length 11
[["THYM_CNASNP-20160128"]] TCGA-3G-AB00-01A-22D-A422-01 ...
[["THYM_CNVSNP-20160128"]] TCGA-3G-AB00-01A-22D-A422-01 ...
[["THYM_GISTIC_AllByGene-20160128"]] TCGA-3G-AB00-01A-22D-A422-01 ...
[["THYM_GISTIC_Peaks-20160128"]] TCGA-3G-AB00-01A-22D-A422-01 ...
[["THYM_GISTIC_ThresholdedByGene-20160128"]] TCGA-3G-AB00-01A-22D-A422-01 ...
[["THYM_miRNASeqGene-20160128"]] TCGA-3G-AB00-01A-22R-A42W-13 ...
[["THYM_Mutation-20160128"]] TCGA-3G-AB00-01A-22D-A423-09 ...
[["THYM_RNASeq2Gene-20160128"]] TCGA-3G-AB00-01A-22R-A42C-07 ...
[["THYM_RNASeq2GeneNorm-20160128"]] TCGA-3G-AB00-01A-22R-A42C-07 ...
[["THYM_RPPAArray-20160128"]] TCGA-3G-AB00-01A-11-A45R-20 ...
...
<1 more element>

```

Sizes of each ExperimentList element:

		assay size.Mb
1	THYM_CNASNP-20160128	2.9 Mb
2	THYM_CNVSNP-20160128	0.5 Mb
3	THYM_GISTIC_AllByGene-20160128	26.7 Mb
4	THYM_GISTIC_Peaks-20160128	0.1 Mb
5	THYM_GISTIC_ThresholdedByGene-20160128	26.6 Mb
6	THYM_miRNASeqGene-20160128	1.2 Mb
7	THYM_Mutation-20160128	3.3 Mb
8	THYM_RNASeq2Gene-20160128	21.7 Mb
9	THYM_RNASeq2GeneNorm-20160128	21.7 Mb
10	THYM_RPPAArray-20160128	0.2 Mb
11	THYM_Methylation-20160128	75 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

Including an additional 685 columns

THYM-v2.1.0

*Thymoma***Description**

A document describing the TCGA cancer code

Details

```
> experiments( THYM )
ExperimentList class object of length 11:
 [1] THYM_CNASNP-20160128: RaggedExperiment with 105646 rows and 248 columns
 [2] THYM_CNVSNP-20160128: RaggedExperiment with 15571 rows and 248 columns
 [3] THYM_GISTIC_AllByGene-20160128: SummarizedExperiment with 24776 rows and 123 columns
 [4] THYM_GISTIC_Peaks-20160128: RangedSummarizedExperiment with 16 rows and 123 columns
 [5] THYM_GISTIC_ThresholdedByGene-20160128: SummarizedExperiment with 24776 rows and 123 columns
 [6] THYM_Mutation-20160128: RaggedExperiment with 3064 rows and 123 columns
 [7] THYM_RNASeq2Gene-20160128: SummarizedExperiment with 20501 rows and 122 columns
 [8] THYM_RPPAArray-20160128: SummarizedExperiment with 192 rows and 90 columns
 [9] THYM_miRNASeqGene-20160128: SummarizedExperiment with 1046 rows and 126 columns
[10] THYM_RNASeq2GeneNorm-20160128: SummarizedExperiment with 18286 rows and 122 columns
[11] THYM_Methylation-20160128: SummarizedExperiment with 485577 rows and 126 columns

> rownames( THYM )
CharacterList of length 11
[["THYM_CNASNP-20160128"]] character(0)
[["THYM_CNVSNP-20160128"]] character(0)
[["THYM_GISTIC_AllByGene-20160128"]] character(0)
[["THYM_GISTIC_Peaks-20160128"]] 1 8 9 10 11 12 13 14 2 15 3 4 16 5 17 18
[["THYM_GISTIC_ThresholdedByGene-20160128"]] character(0)
[["THYM_Mutation-20160128"]] character(0)
[["THYM_RNASeq2Gene-20160128"]] A1BG A1CF A2BP1 A2LD1 ... ZZZ3 psiTPTE22 tAKR
[["THYM_RPPAArray-20160128"]] 14-3-3_beta ... p90RSK_pT359_S363
[["THYM_miRNASeqGene-20160128"]] hsa-let-7a-1 hsa-let-7a-2 ... hsa-mir-99b
[["THYM_RNASeq2GeneNorm-20160128"]] A1BG A2BP1 A2LD1 ... ZZE1 ZZZ3 psiTPTE22
...
<1 more element>

> colnames( THYM )
CharacterList of length 11
[["THYM_CNASNP-20160128"]] TCGA-3G-AB00-01A-22D-A422-01 ...
[["THYM_CNVSNP-20160128"]] TCGA-3G-AB00-01A-22D-A422-01 ...
[["THYM_GISTIC_AllByGene-20160128"]] TCGA-3G-AB00-01A-22D-A422-01 ...
[["THYM_GISTIC_Peaks-20160128"]] TCGA-3G-AB00-01A-22D-A422-01 ...
[["THYM_GISTIC_ThresholdedByGene-20160128"]] TCGA-3G-AB00-01A-22D-A422-01 ...
[["THYM_Mutation-20160128"]] TCGA-3G-AB00-01A-22D-A423-09 ...
[["THYM_RNASeq2Gene-20160128"]] TCGA-3G-AB00-01A-22R-A42C-07 ...
[["THYM_RPPAArray-20160128"]] TCGA-3G-AB00-01A-11-A45R-20 ...
[["THYM_miRNASeqGene-20160128"]] TCGA-3G-AB00-01A-22R-A42W-13 ...
[["THYM_RNASeq2GeneNorm-20160128"]] TCGA-3G-AB00-01 ... TCGA-ZT-A80M-01
...
```

<1 more element>

Sizes of each ExperimentList element:

		assay	size.Mb
1	THYM_CNASNP-20160128		2.9 Mb
2	THYM_CNVSNP-20160128		0.5 Mb
3	THYM_GISTIC_AllByGene-20160128		26.7 Mb
4	THYM_GISTIC_Peaks-20160128		0.1 Mb
5	THYM_GISTIC_ThresholdedByGene-20160128		26.6 Mb
6	THYM_Mutation-20160128		3.3 Mb
7	THYM_RNASeq2Gene-20160128		21.7 Mb
8	THYM_RPPAArray-20160128		0.2 Mb
9	THYM_miRNASeqGene-20160128		1.2 Mb
10	THYM_RNASeq2GeneNorm-20160128		19.3 Mb
11	THYM_Methylation-20160128		75 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
[1,] 9 9 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
```

Including an additional 685 columns

UCEC

Uterine Corpus Endometrial Carcinoma

Description

A document describing the TCGA cancer code

Details

```
> experiments( UCEC )
ExperimentList class object of length 14:
 [1] UCEC_CNASeq-20160128: RaggedExperiment with 36400 rows and 213 columns
 [2] UCEC_CNASNP-20160128: RaggedExperiment with 619412 rows and 1083 columns
 [3] UCEC_CNVSNP-20160128: RaggedExperiment with 127094 rows and 1078 columns
 [4] UCEC_GISTIC_AllByGene-20160128: SummarizedExperiment with 24776 rows and 539 columns
 [5] UCEC_GISTIC_Peaks-20160128: RangedSummarizedExperiment with 98 rows and 539 columns
 [6] UCEC_GISTIC_ThresholdedByGene-20160128: SummarizedExperiment with 24776 rows and 539 columns
 [7] UCEC_miRNASeqGene-20160128: SummarizedExperiment with 1046 rows and 433 columns
 [8] UCEC_mRNAArray-20160128: SummarizedExperiment with 17814 rows and 54 columns
 [9] UCEC_Mutation-20160128: RaggedExperiment with 184861 rows and 248 columns
[10] UCEC_RNASeq2GeneNorm-20160128: SummarizedExperiment with 20501 rows and 380 columns
[11] UCEC_RNASeqGene-20160128: SummarizedExperiment with 20502 rows and 269 columns
[12] UCEC_RPPAArray-20160128: SummarizedExperiment with 208 rows and 440 columns
[13] UCEC_Methylation_methyl27-20160128: SummarizedExperiment with 27578 rows and 118 columns
[14] UCEC_Methylation_methyl450-20160128: SummarizedExperiment with 485577 rows and 466 columns
```

```

> rownames( UCEC )
CharacterList of length 14
[["UCEC_CNASeq-20160128"]] character(0)
[["UCEC_CNASNP-20160128"]] character(0)
[["UCEC_CNVSNP-20160128"]] character(0)
[["UCEC_GISTIC_AllByGene-20160128"]] ACAP3 ... WASIR1|ENSG00000185203.7
[["UCEC_GISTIC_Peaks-20160128"]] chr1:13949775-15575840 ...
[["UCEC_GISTIC_ThresholdedByGene-20160128"]] ACAP3 ...
[["UCEC_miRNASeqGene-20160128"]] hsa-let-7a-1 hsa-let-7a-2 ... hsa-mir-99b
[["UCEC_mRNAArray-20160128"]] ELMO2 CREB3L1 RPS11 PNMA1 ... SNRPD2 AQP7 CTSC
[["UCEC_Mutation-20160128"]] character(0)
[["UCEC_RNASeq2GeneNorm-20160128"]] A1BG A1CF A2BP1 ... ZZZ3 psiTPTE22 tAKR
...
<4 more elements>

> colnames( UCEC )
CharacterList of length 14
[["UCEC_CNASeq-20160128"]] TCGA-A5-A0G5-01A-11D-A043-02 ...
[["UCEC_CNASNP-20160128"]] TCGA-2E-A9G8-01A-11D-A402-01 ...
[["UCEC_CNVSNP-20160128"]] TCGA-2E-A9G8-01A-11D-A402-01 ...
[["UCEC_GISTIC_AllByGene-20160128"]] TCGA-2E-A9G8-01A-11D-A402-01 ...
[["UCEC_GISTIC_Peaks-20160128"]] TCGA-2E-A9G8-01A-11D-A402-01 ...
[["UCEC_GISTIC_ThresholdedByGene-20160128"]] TCGA-2E-A9G8-01A-11D-A402-01 ...
[["UCEC_miRNASeqGene-20160128"]] TCGA-2E-A9G8-01A-11R-A404-13 ...
[["UCEC_mRNAArray-20160128"]] TCGA-A5-A0G2-01A-11R-A040-07 ...
[["UCEC_Mutation-20160128"]] TCGA-A5-A0G3-01A-11W-A062-09 ...
[["UCEC_RNASeq2GeneNorm-20160128"]] TCGA-A5-A0G1-01A-11R-A118-07 ...
...
<4 more elements>

```

Sizes of each ExperimentList element:

		assay size.Mb
1	UCEC_CNASeq-20160128	1 Mb
2	UCEC_CNASNP-20160128	16.9 Mb
3	UCEC_CNVSNP-20160128	3.7 Mb
4	UCEC_GISTIC_AllByGene-20160128	4.9 Mb
5	UCEC_GISTIC_Peaks-20160128	0.1 Mb
6	UCEC_GISTIC_ThresholdedByGene-20160128	4.9 Mb
7	UCEC_miRNASeqGene-20160128	0.1 Mb
8	UCEC_mRNAArray-20160128	1.1 Mb
9	UCEC_Mutation-20160128	73.1 Mb
10	UCEC_RNASeq2GeneNorm-20160128	1.3 Mb
11	UCEC_RNASeqGene-20160128	1.3 Mb
12	UCEC_RPPAArray-20160128	0.1 Mb
13	UCEC_Methylation_methyl27-20160128	4.9 Mb
14	UCEC_Methylation_methyl450-20160128	75.1 Mb

Available sample meta-data:

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		411						
		mixed serous and endometrioid		22						
		serous endometrial adenocarcinoma		115						
residual_tumor:										
r0	r1	r2	rx		NA's					
376	22	16	41		93					

Including an additional 1779 columns

See Also

[UCEC-v2.0.1](#)

UCEC-v2.0.1	<i>Uterine Corpus Endometrial Carcinoma</i>
-------------	---

Description

A document describing the TCGA cancer code

Details

```

> experiments( UCEC )
ExperimentList class object of length 16:
 [1] UCEC_CNASeq-20160128: RaggedExperiment with 36400 rows and 213 columns
 [2] UCEC_CNASNP-20160128: RaggedExperiment with 619412 rows and 1083 columns
 [3] UCEC_CNVSNP-20160128: RaggedExperiment with 127094 rows and 1078 columns
 [4] UCEC_GISTIC_AllByGene-20160128: SummarizedExperiment with 24776 rows and 539 columns
 [5] UCEC_GISTIC_Peaks-20160128: RangedSummarizedExperiment with 98 rows and 539 columns
 [6] UCEC_GISTIC_ThresholdedByGene-20160128: SummarizedExperiment with 24776 rows and 539 columns
 [7] UCEC_miRNASeqGene-20160128: SummarizedExperiment with 1046 rows and 433 columns
 [8] UCEC_mRNAArray-20160128: SummarizedExperiment with 17814 rows and 54 columns
 [9] UCEC_Mutation-20160128: RaggedExperiment with 184861 rows and 248 columns
[10] UCEC_RNASeq2Gene-20160128: SummarizedExperiment with 20501 rows and 190 columns
[11] UCEC_RNASeq2GeneNorm_illumina-20160128: SummarizedExperiment with 20501 rows and 380 columns
[12] UCEC_RNASeq2GeneNorm_illuminahisec-20160128: SummarizedExperiment with 20501 rows and 190 columns
[13] UCEC_RNASeqGene-20160128: SummarizedExperiment with 20502 rows and 269 columns
[14] UCEC_RPPAArray-20160128: SummarizedExperiment with 208 rows and 440 columns
[15] UCEC_Methylation_methyl27-20160128: SummarizedExperiment with 27578 rows and 118 columns
[16] UCEC_Methylation_methyl450-20160128: SummarizedExperiment with 485577 rows and 466 columns

> rownames( UCEC )
CharacterList of length 16
[["UCEC_CNASeq-20160128"]] character(0)
[["UCEC_CNASNP-20160128"]] character(0)
[["UCEC_CNVSNP-20160128"]] character(0)
[["UCEC_GISTIC_AllByGene-20160128"]] character(0)
[["UCEC_GISTIC_Peaks-20160128"]] 51 52 1 2 3 4 5 53 ... 98 45 46 47 99 48 100
[["UCEC_GISTIC_ThresholdedByGene-20160128"]] character(0)
[["UCEC_miRNASeqGene-20160128"]] hsa-let-7a-1 hsa-let-7a-2 ... hsa-mir-99b
[["UCEC_mRNAArray-20160128"]] ELM02 CREB3L1 RPS11 PNMA1 ... SNRPD2 AQP7 CTSC
[["UCEC_Mutation-20160128"]] character(0)
[["UCEC_RNASeq2Gene-20160128"]] A1BG A1CF A2BP1 A2LD1 ... ZZZ3 psiTPTE22 tAKR
...
<6 more elements>

> colnames( UCEC )
CharacterList of length 16
[["UCEC_CNASeq-20160128"]] TCGA-A5-A0G5-01A-11D-A043-02 ...
[["UCEC_CNASNP-20160128"]] TCGA-2E-A9G8-01A-11D-A402-01 ...
[["UCEC_CNVSNP-20160128"]] TCGA-2E-A9G8-01A-11D-A402-01 ...
[["UCEC_GISTIC_AllByGene-20160128"]] TCGA-2E-A9G8-01A-11D-A402-01 ...
[["UCEC_GISTIC_Peaks-20160128"]] TCGA-2E-A9G8-01A-11D-A402-01 ...
[["UCEC_GISTIC_ThresholdedByGene-20160128"]] TCGA-2E-A9G8-01A-11D-A402-01 ...
[["UCEC_miRNASeqGene-20160128"]] TCGA-2E-A9G8-01A-11R-A404-13 ...
[["UCEC_mRNAArray-20160128"]] TCGA-A5-A0G2-01A-11R-A040-07 ...
[["UCEC_Mutation-20160128"]] TCGA-A5-A0G3-01A-11W-A062-09 ...
[["UCEC_RNASeq2Gene-20160128"]] TCGA-2E-A9G8-01A-11R-A40A-07 ...
...
<6 more elements>

```

Sizes of each ExperimentList element:

	assay	size.Mb
1	UCEC_CNASeq-20160128	1 Mb
2	UCEC_CNASNP-20160128	16.9 Mb
3	UCEC_CNVSNP-20160128	3.7 Mb
4	UCEC_GISTIC_AllByGene-20160128	105.5 Mb
5	UCEC_GISTIC_Peaks-20160128	0.6 Mb
6	UCEC_GISTIC_ThresholdedByGene-20160128	105.3 Mb
7	UCEC_miRNASeqGene-20160128	3.7 Mb
8	UCEC_mRNAArray-20160128	9.6 Mb
9	UCEC_Mutation-20160128	73.1 Mb
10	UCEC_RNASeq2Gene-20160128	32.3 Mb
11	UCEC_RNASeq2GeneNorm_illumina-20160128	62 Mb
12	UCEC_RNASeq2GeneNorm_illuminahisec-20160128	32.3 Mb
13	UCEC_RNASeqGene-20160128	44.7 Mb
14	UCEC_RPPAArray-20160128	0.8 Mb
15	UCEC_Methylation_methyl27-20160128	4.9 Mb
16	UCEC_Methylation_methyl450-20160128	75.1 Mb

Available sample meta-data:

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
	411
mixed serous and endometrioid	
	22

serous endometrial adenocarcinoma
115

residual_tumor:

r0	r1	r2	rx	NA's
376	22	16	41	93

Including an additional 1779 columns

UCEC-v2.1.0

Uterine Corpus Endometrial Carcinoma

Description

A document describing the TCGA cancer code

Details

```
> experiments( UCEC )
ExperimentList class object of length 17:
 [1] UCEC_CNASeq-20160128: RaggedExperiment with 36400 rows and 213 columns
 [2] UCEC_CNASNP-20160128: RaggedExperiment with 619412 rows and 1083 columns
 [3] UCEC_CNVSNP-20160128: RaggedExperiment with 127094 rows and 1078 columns
 [4] UCEC_GISTIC_AllByGene-20160128: SummarizedExperiment with 24776 rows and 539 columns
 [5] UCEC_GISTIC_Peaks-20160128: RangedSummarizedExperiment with 98 rows and 539 columns
 [6] UCEC_GISTIC_ThresholdedByGene-20160128: SummarizedExperiment with 24776 rows and 539 columns
 [7] UCEC_mRNAArray-20160128: SummarizedExperiment with 17814 rows and 54 columns
 [8] UCEC_Mutation-20160128: RaggedExperiment with 184861 rows and 248 columns
 [9] UCEC_RNASeq2Gene-20160128: SummarizedExperiment with 20501 rows and 190 columns
[10] UCEC_RNASeq2GeneNorm_illumina-20160128: SummarizedExperiment with 20501 rows and 380 columns
[11] UCEC_RNASeq2GeneNorm_illumina-hiseq-20160128: SummarizedExperiment with 20501 rows and 190 columns
[12] UCEC_RNASeqGene-20160128: SummarizedExperiment with 20502 rows and 269 columns
[13] UCEC_RPPAArray-20160128: SummarizedExperiment with 208 rows and 440 columns
[14] UCEC_miRNASeqGene-20160128: SummarizedExperiment with 1046 rows and 433 columns
[15] UCEC_RNASeq2GeneNorm-20160128: SummarizedExperiment with 18515 rows and 569 columns
[16] UCEC_Methylation_methyl27-20160128: SummarizedExperiment with 27578 rows and 118 columns
[17] UCEC_Methylation_methyl450-20160128: SummarizedExperiment with 485577 rows and 466 columns

> rownames( UCEC )
CharacterList of length 17
[["UCEC_CNASeq-20160128"]] character(0)
[["UCEC_CNASNP-20160128"]] character(0)
[["UCEC_CNVSNP-20160128"]] character(0)
[["UCEC_GISTIC_AllByGene-20160128"]] character(0)
[["UCEC_GISTIC_Peaks-20160128"]] 51 52 1 2 3 4 5 53 ... 98 45 46 47 99 48 100
[["UCEC_GISTIC_ThresholdedByGene-20160128"]] character(0)
[["UCEC_mRNAArray-20160128"]] ELM02 CREB3L1 RPS11 PNMA1 ... SNRPD2 AQP7 CTSC
[["UCEC_Mutation-20160128"]] character(0)
[["UCEC_RNASeq2Gene-20160128"]] A1BG A1CF A2BP1 A2LD1 ... ZZZ3 psiTPTE22 tAKR
[["UCEC_RNASeq2GeneNorm_illumina-20160128"]] A1BG A1CF ... psiTPTE22 tAKR
...
```

<7 more elements>

```
> colnames( UCEC )
```

CharacterList of length 17

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[[ "UCEC_CNASeq-20160128" ]] TCGA-A5-A0G5-01A-11D-A043-02 ...
[[ "UCEC_CNASNP-20160128" ]] TCGA-2E-A9G8-01A-11D-A402-01 ...
[[ "UCEC_CNVSNP-20160128" ]] TCGA-2E-A9G8-01A-11D-A402-01 ...
[[ "UCEC_GISTIC_AllByGene-20160128" ]] TCGA-2E-A9G8-01A-11D-A402-01 ...
[[ "UCEC_GISTIC_Peaks-20160128" ]] TCGA-2E-A9G8-01A-11D-A402-01 ...
[[ "UCEC_GISTIC_ThresholdedByGene-20160128" ]] TCGA-2E-A9G8-01A-11D-A402-01 ...
[[ "UCEC_mRNAArray-20160128" ]] TCGA-A5-A0G2-01A-11R-A040-07 ...
[[ "UCEC_Mutation-20160128" ]] TCGA-A5-A0G3-01A-11W-A062-09 ...
[[ "UCEC_RNASeq2Gene-20160128" ]] TCGA-2E-A9G8-01A-11R-A40A-07 ...
[[ "UCEC_RNASeq2GeneNorm_illumina-20160128" ]] TCGA-A5-A0G1-01A-11R-A118-07...
```

...

<7 more elements>

Sizes of each ExperimentList element:

	assay	size.Mb
1	UCEC_CNASeq-20160128	1 Mb
2	UCEC_CNASNP-20160128	16.9 Mb
3	UCEC_CNVSNP-20160128	3.7 Mb
4	UCEC_GISTIC_AllByGene-20160128	105.5 Mb
5	UCEC_GISTIC_Peaks-20160128	0.6 Mb
6	UCEC_GISTIC_ThresholdedByGene-20160128	105.3 Mb
7	UCEC_mRNAArray-20160128	9.6 Mb
8	UCEC_Mutation-20160128	73.1 Mb
9	UCEC_RNASeq2Gene-20160128	32.3 Mb
10	UCEC_RNASeq2GeneNorm_illumina-20160128	62 Mb
11	UCEC_RNASeq2GeneNorm_illumina-hiseq-20160128	32.3 Mb
12	UCEC_RNASeqGene-20160128	44.7 Mb
13	UCEC_RPPAArray-20160128	0.8 Mb
14	UCEC_miRNASeqGene-20160128	3.7 Mb
15	UCEC_RNASeq2GeneNorm-20160128	82.8 Mb
16	UCEC_Methylation_methyl27-20160128	4.9 Mb
17	UCEC_Methylation_methyl450-20160128	75.1 Mb

Available sample meta-data:

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
411
mixed serous and endometrioid
22
serous endometrial adenocarcinoma
115

residual_tumor:
r0 r1 r2 rx NA's
376 22 16 41 93

```

Including an additional 1779 columns

UCS

Uterine Carcinosarcoma

Description

A document describing the TCGA cancer code

Details

```

> experiments( UCS )
ExperimentList class object of length 10:
[1] UCS_CNASNP-20160128: RaggedExperiment with 54944 rows and 111 columns
[2] UCS_CNVSNP-20160128: RaggedExperiment with 19298 rows and 111 columns
[3] UCS_GISTIC_AllByGene-20160128: SummarizedExperiment with 24776 rows and 56 columns
[4] UCS_GISTIC_Peaks-20160128: RangedSummarizedExperiment with 56 rows and 56 columns
[5] UCS_GISTIC_ThresholdedByGene-20160128: SummarizedExperiment with 24776 rows and 56 columns
[6] UCS_miRNASeqGene-20160128: SummarizedExperiment with 1046 rows and 56 columns
[7] UCS_Mutation-20160128: RaggedExperiment with 11339 rows and 57 columns
[8] UCS_RNASeq2GeneNorm-20160128: SummarizedExperiment with 20501 rows and 57 columns
[9] UCS_RPPAArray-20160128: SummarizedExperiment with 192 rows and 48 columns
[10] UCS_Methylation-20160128: SummarizedExperiment with 485577 rows and 57 columns

```

```
> rownames( UCS )
CharacterList of length 10
[["UCS_CNASNP-20160128"]] character(0)
[["UCS_CNVSNP-20160128"]] character(0)
[["UCS_GISTIC_AllByGene-20160128"]] ACAP3 ACTRT2 ... WASIR1|ENSG00000185203.7
[["UCS_GISTIC_Peaks-20160128"]] chr1:1-19401404 ... chr22:41958863-51304566
[["UCS_GISTIC_ThresholdedByGene-20160128"]] ACAP3 ...
[["UCS_miRNASeqGene-20160128"]] hsa-let-7a-1 hsa-let-7a-2 ... hsa-mir-99b
[["UCS_Mutation-20160128"]] character(0)
[["UCS_RNASeq2GeneNorm-20160128"]] A1BG A1CF A2BP1 ... ZZZ3 psiTPTE22 tAKR
[["UCS_RPPAArray-20160128"]] 14-3-3_beta 14-3-3_epsilon ... p90RSK_pT359_S363
[["UCS_Methylation-20160128"]] cg00000029 cg00000108 ... rs966367 rs9839873
```

```
> colnames( UCS )
CharacterList of length 10
[["UCS_CNASNP-20160128"]] TCGA-N5-A4R8-10A-01D-A28T-01 ...
[["UCS_CNVSNP-20160128"]] TCGA-N5-A4R8-10A-01D-A28T-01 ...
[["UCS_GISTIC_AllByGene-20160128"]] TCGA-N5-A4RA-01A-11D-A28Q-01 ...
[["UCS_GISTIC_Peaks-20160128"]] TCGA-N5-A4RA-01A-11D-A28Q-01 ...
[["UCS_GISTIC_ThresholdedByGene-20160128"]] TCGA-N5-A4RA-01A-11D-A28Q-01 ...
[["UCS_miRNASeqGene-20160128"]] TCGA-N5-A4R8-01A-11R-A28Z-13 ...
[["UCS_Mutation-20160128"]] TCGA-N5-A4R8-01A-11D-A28R-08 ...
[["UCS_RNASeq2GeneNorm-20160128"]] TCGA-N5-A4R8-01A-11R-A28V-07 ...
[["UCS_RPPAArray-20160128"]] TCGA-N5-A4R8-01A-21-A41P-20 ...
[["UCS_Methylation-20160128"]] TCGA-N5-A4R8-01A-11D-A28S-05 ...
```

Sizes of each ExperimentList element:

		assay size.Mb
1	UCS_CNASNP-20160128	1.5 Mb
2	UCS_CNVSNP-20160128	0.6 Mb
3	UCS_GISTIC_AllByGene-20160128	4.9 Mb
4	UCS_GISTIC_Peaks-20160128	0.1 Mb
5	UCS_GISTIC_ThresholdedByGene-20160128	4.9 Mb
6	UCS_miRNASeqGene-20160128	0.1 Mb
7	UCS_Mutation-20160128	19.7 Mb
8	UCS_RNASeq2GeneNorm-20160128	1.3 Mb
9	UCS_RPPAArray-20160128	0 Mb
10	UCS_Methylation-20160128	75 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 (mmmt): nos	24
uterine carcinosarcoma/ mmt: heterologous type	20
uterine carcinosarcoma/mmt: homologous type	13

race:

asian	black or african american	white
3	9	44
NA's		
1		

ethnicity:

hispanic or latino	not hispanic or latino	NA's
--------------------	------------------------	------

1

43

13

Including an additional 632 columns

See Also

[UCS-v2.0.1](#)

UCS-v2.0.1

Uterine Carcinosarcoma

Description

A document describing the TCGA cancer code

Details

```
> experiments( UCS )
ExperimentList class object of length 11:
 [1] UCS_CNASNP-20160128: RaggedExperiment with 54944 rows and 111 columns
 [2] UCS_CNVSNP-20160128: RaggedExperiment with 19298 rows and 111 columns
 [3] UCS_GISTIC_AllByGene-20160128: SummarizedExperiment with 24776 rows and 56 columns
 [4] UCS_GISTIC_Peaks-20160128: RangedSummarizedExperiment with 56 rows and 56 columns
 [5] UCS_GISTIC_ThresholdedByGene-20160128: SummarizedExperiment with 24776 rows and 56 columns
 [6] UCS_miRNASeqGene-20160128: SummarizedExperiment with 1046 rows and 56 columns
 [7] UCS_Mutation-20160128: RaggedExperiment with 11339 rows and 57 columns
 [8] UCS_RNASeq2Gene-20160128: SummarizedExperiment with 20501 rows and 57 columns
 [9] UCS_RNASeq2GeneNorm-20160128: SummarizedExperiment with 20501 rows and 57 columns
[10] UCS_RPPAArray-20160128: SummarizedExperiment with 192 rows and 48 columns
[11] UCS_Methylation-20160128: SummarizedExperiment with 485577 rows and 57 columns

> rownames( UCS )
CharacterList of length 11
[["UCS_CNASNP-20160128"]] character(0)
[["UCS_CNVSNP-20160128"]] character(0)
[["UCS_GISTIC_AllByGene-20160128"]] character(0)
[["UCS_GISTIC_Peaks-20160128"]] 26 1 2 3 27 4 28 29 ... 21 22 56 57 23 24 58
[["UCS_GISTIC_ThresholdedByGene-20160128"]] character(0)
[["UCS_miRNASeqGene-20160128"]] hsa-let-7a-1 hsa-let-7a-2 ... hsa-mir-99b
[["UCS_Mutation-20160128"]] character(0)
[["UCS_RNASeq2Gene-20160128"]] A1BG A1CF A2BP1 A2LD1 ... ZZZ3 psiTPTE22 tAKR
[["UCS_RNASeq2GeneNorm-20160128"]] A1BG A1CF A2BP1 ... ZZZ3 psiTPTE22 tAKR
[["UCS_RPPAArray-20160128"]] 14-3-3_beta 14-3-3_epsilon ... p90RSK_pT359_S363
...
<1 more element>

> colnames( UCS )
CharacterList of length 11
[["UCS_CNASNP-20160128"]] TCGA-N5-A4R8-10A-01D-A28T-01 ...
[["UCS_CNVSNP-20160128"]] TCGA-N5-A4R8-10A-01D-A28T-01 ...
[["UCS_GISTIC_AllByGene-20160128"]] TCGA-N5-A4RA-01A-11D-A28Q-01 ...
```

```

[["UCS_GISTIC_Peaks-20160128"]] TCGA-N5-A4RA-01A-11D-A28Q-01 ...
[["UCS_GISTIC_ThresholdedByGene-20160128"]] TCGA-N5-A4RA-01A-11D-A28Q-01 ...
[["UCS_miRNASeqGene-20160128"]] TCGA-N5-A4R8-01A-11R-A28Z-13 ...
[["UCS_Mutation-20160128"]] TCGA-N5-A4R8-01A-11D-A28R-08 ...
[["UCS_RNASeq2Gene-20160128"]] TCGA-N5-A4R8-01A-11R-A28V-07 ...
[["UCS_RNASeq2GeneNorm-20160128"]] TCGA-N5-A4R8-01A-11R-A28V-07 ...
[["UCS_RPPAArray-20160128"]] TCGA-N5-A4R8-01A-21-A41P-20 ...
...
<1 more element>

```

Sizes of each ExperimentList element:

		assay	size.Mb
1	UCS_CNASNP-20160128	1.5	Mb
2	UCS_CNVSNP-20160128	0.6	Mb
3	UCS_GISTIC_AllByGene-20160128	14.1	Mb
4	UCS_GISTIC_Peaks-20160128	0.1	Mb
5	UCS_GISTIC_ThresholdedByGene-20160128	13.9	Mb
6	UCS_miRNASeqGene-20160128	0.6	Mb
7	UCS_Mutation-20160128	19.7	Mb
8	UCS_RNASeq2Gene-20160128	11.5	Mb
9	UCS_RNASeq2GeneNorm-20160128	11.5	Mb
10	UCS_RPPAArray-20160128	0.1	Mb
11	UCS_Methylation-20160128	75	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 (mmt): nos
                                                                24
          uterine carcinosarcoma/ mmt: heterologous type
                                                                20
          uterine carcinosarcoma/mmt: homologous type
                                                                13

race:
          asian black or african american          white
            3                9                44
          NA's
            1

ethnicity:
  hispanic or latino not hispanic or latino  NA's
            1                43                13

Including an additional 632 columns

```

UCS-v2.1.0

Uterine Carcinosarcoma

Description

A document describing the TCGA cancer code

Details

```
> experiments( UCS )
```

ExperimentList class object of length 11:

```
[1] UCS_CNASNP-20160128: RaggedExperiment with 54944 rows and 111 columns
[2] UCS_CNVSNP-20160128: RaggedExperiment with 19298 rows and 111 columns
[3] UCS_GISTIC_AllByGene-20160128: SummarizedExperiment with 24776 rows and 56 columns
[4] UCS_GISTIC_Peaks-20160128: RangedSummarizedExperiment with 56 rows and 56 columns
[5] UCS_GISTIC_ThresholdedByGene-20160128: SummarizedExperiment with 24776 rows and 56 columns
[6] UCS_Mutation-20160128: RaggedExperiment with 11339 rows and 57 columns
[7] UCS_RNASeq2Gene-20160128: SummarizedExperiment with 20501 rows and 57 columns
[8] UCS_RPPAArray-20160128: SummarizedExperiment with 192 rows and 48 columns
[9] UCS_miRNASeqGene-20160128: SummarizedExperiment with 1046 rows and 56 columns
[10] UCS_RNASeq2GeneNorm-20160128: SummarizedExperiment with 18645 rows and 57 columns
[11] UCS_Methylation-20160128: SummarizedExperiment with 485577 rows and 57 columns
```

```
> rownames( UCS )
```

CharacterList of length 11

```
["UCS_CNASNP-20160128"] character(0)
["UCS_CNVSNP-20160128"] character(0)
["UCS_GISTIC_AllByGene-20160128"] character(0)
["UCS_GISTIC_Peaks-20160128"] 26 1 2 3 27 4 28 29 ... 21 22 56 57 23 24 58
["UCS_GISTIC_ThresholdedByGene-20160128"] character(0)
["UCS_Mutation-20160128"] character(0)
["UCS_RNASeq2Gene-20160128"] A1BG A1CF A2BP1 A2LD1 ... ZZZ3 psiTPTE22 tAKR
["UCS_RPPAArray-20160128"] 14-3-3_beta 14-3-3_epsilon ... p90RSK_pT359_S363
["UCS_miRNASeqGene-20160128"] hsa-let-7a-1 hsa-let-7a-2 ... hsa-mir-99b
["UCS_RNASeq2GeneNorm-20160128"] A1BG A2BP1 A2LD1 ... ZZE1 ZZZ3 psiTPTE22
...
<1 more element>
```

```
> colnames( UCS )
```

CharacterList of length 11

```
["UCS_CNASNP-20160128"] TCGA-N5-A4R8-10A-01D-A28T-01 ...
["UCS_CNVSNP-20160128"] TCGA-N5-A4R8-10A-01D-A28T-01 ...
["UCS_GISTIC_AllByGene-20160128"] TCGA-N5-A4RA-01A-11D-A28Q-01 ...
["UCS_GISTIC_Peaks-20160128"] TCGA-N5-A4RA-01A-11D-A28Q-01 ...
["UCS_GISTIC_ThresholdedByGene-20160128"] TCGA-N5-A4RA-01A-11D-A28Q-01 ...
["UCS_Mutation-20160128"] TCGA-N5-A4R8-01A-11D-A28R-08 ...
["UCS_RNASeq2Gene-20160128"] TCGA-N5-A4R8-01A-11R-A28V-07 ...
["UCS_RPPAArray-20160128"] TCGA-N5-A4R8-01A-21-A41P-20 ...
["UCS_miRNASeqGene-20160128"] TCGA-N5-A4R8-01A-11R-A28Z-13 ...
["UCS_RNASeq2GeneNorm-20160128"] TCGA-N5-A4R8-01 ... TCGA-QN-A5NN-01
...
<1 more element>
```

Sizes of each ExperimentList element:

		assay size.Mb
1	UCS_CNASNP-20160128	1.5 Mb
2	UCS_CNVSNP-20160128	0.6 Mb
3	UCS_GISTIC_AllByGene-20160128	14.1 Mb
4	UCS_GISTIC_Peaks-20160128	0.1 Mb
5	UCS_GISTIC_ThresholdedByGene-20160128	13.9 Mb
6	UCS_Mutation-20160128	19.7 Mb

```

7          UCS_RNASeq2Gene-20160128 11.5 Mb
8          UCS_RPPAArray-20160128  0.1 Mb
9          UCS_miRNASeqGene-20160128 0.6 Mb
10         UCS_RNASeq2GeneNorm-20160128 10.4 Mb
11         UCS_Methylation-20160128  75 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
[1,] 35      35    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 (mmt): nos
                                                                24
          uterine carcinosarcoma/ mmt: heterologous type
                                                                20
          uterine carcinosarcoma/mmt: homologous type
                                                                13
```

race:

```
          asian black or african american          white
              3                      9              44
          NA's
              1
```

ethnicity:

```
          hispanic or latino not hispanic or latino          NA's
              1                      43              13
```

Including an additional 632 columns

UVM

Uveal Melanoma

Description

A document describing the TCGA cancer code

Details

```
> experiments( UVM )
ExperimentList class object of length 11:
 [1] UVM_CNASeq-20160128: RaggedExperiment with 6496 rows and 102 columns
 [2] UVM_CNASNP-20160128: RaggedExperiment with 69487 rows and 160 columns
 [3] UVM_CNVSNP-20160128: RaggedExperiment with 12973 rows and 160 columns
 [4] UVM_GISTIC_AllByGene-20160128: SummarizedExperiment with 24776 rows and 80 columns
 [5] UVM_GISTIC_Peaks-20160128: RangedSummarizedExperiment with 21 rows and 80 columns
 [6] UVM_GISTIC_ThresholdedByGene-20160128: SummarizedExperiment with 24776 rows and 80 columns
 [7] UVM_miRNASeqGene-20160128: SummarizedExperiment with 1046 rows and 80 columns
 [8] UVM_Mutation-20160128: RaggedExperiment with 2174 rows and 80 columns
 [9] UVM_RNASeq2GeneNorm-20160128: SummarizedExperiment with 20501 rows and 80 columns
[10] UVM_RPPAArray-20160128: SummarizedExperiment with 192 rows and 12 columns
[11] UVM_Methylation-20160128: SummarizedExperiment with 485577 rows and 80 columns

> rownames( UVM )
CharacterList of length 11
[["UVM_CNASeq-20160128"]] character(0)
[["UVM_CNASNP-20160128"]] character(0)
[["UVM_CNVSNP-20160128"]] character(0)
[["UVM_GISTIC_AllByGene-20160128"]] ACAP3 ACTRT2 ... WASIR1|ENSG00000185203.7
```

```

[["UVM_GISTIC_Peaks-20160128"]] chr1:19073360-24108626 ...
[["UVM_GISTIC_ThresholdedByGene-20160128"]] ACAP3 ...
[["UVM_miRNASeqGene-20160128"]] hsa-let-7a-1 hsa-let-7a-2 ... hsa-mir-99b
[["UVM_Mutation-20160128"]] character(0)
[["UVM_RNASeq2GeneNorm-20160128"]] A1BG A1CF A2BP1 ... ZZZ3 psiTPTE22 tAKR
[["UVM_RPPAArray-20160128"]] 14-3-3_beta 14-3-3_epsilon ... p90RSK_pT359_S363
...
<1 more element>

```

```

> colnames( UVM )
CharacterList of length 11
[["UVM_CNASeq-20160128"]] TCGA-RZ-AB0B-01A-11D-A40D-26 ...
[["UVM_CNASNP-20160128"]] TCGA-RZ-AB0B-01A-11D-A39V-01 ...
[["UVM_CNVSNP-20160128"]] TCGA-RZ-AB0B-01A-11D-A39V-01 ...
[["UVM_GISTIC_AllByGene-20160128"]] TCGA-RZ-AB0B-01A-11D-A39V-01 ...
[["UVM_GISTIC_Peaks-20160128"]] TCGA-RZ-AB0B-01A-11D-A39V-01 ...
[["UVM_GISTIC_ThresholdedByGene-20160128"]] TCGA-RZ-AB0B-01A-11D-A39V-01 ...
[["UVM_miRNASeqGene-20160128"]] TCGA-RZ-AB0B-01A-11R-A40B-13 ...
[["UVM_Mutation-20160128"]] TCGA-RZ-AB0B-01A-11D-A39W-08 ...
[["UVM_RNASeq2GeneNorm-20160128"]] TCGA-RZ-AB0B-01A-11R-A405-07 ...
[["UVM_RPPAArray-20160128"]] TCGA-V3-A9ZX-01A-21-A41Z-20 ...
...
<1 more element>

```

Sizes of each ExperimentList element:

		assay size.Mb
1	UVM_CNASeq-20160128	0.2 Mb
2	UVM_CNASNP-20160128	1.9 Mb
3	UVM_CNVSNP-20160128	0.4 Mb
4	UVM_GISTIC_AllByGene-20160128	4.9 Mb
5	UVM_GISTIC_Peaks-20160128	0 Mb
6	UVM_GISTIC_ThresholdedByGene-20160128	4.9 Mb
7	UVM_miRNASeqGene-20160128	0.1 Mb
8	UVM_Mutation-20160128	12.3 Mb
9	UVM_RNASeq2GeneNorm-20160128	1.3 Mb
10	UVM_RPPAArray-20160128	0 Mb
11	UVM_Methylation-20160128	75 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	m1b	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

Including an additional 448 columns

See Also

[UVM-v2.0.1](#)

UVM-v2.0.1	<i>Uveal Melanoma</i>
------------	-----------------------

Description

A document describing the TCGA cancer code

Details

```
> experiments( UVM )
ExperimentList class object of length 12:
 [1] UVM_CNASeq-20160128: RaggedExperiment with 6496 rows and 102 columns
 [2] UVM_CNASNP-20160128: RaggedExperiment with 69487 rows and 160 columns
 [3] UVM_CNVSNP-20160128: RaggedExperiment with 12973 rows and 160 columns
 [4] UVM_GISTIC_AllByGene-20160128: SummarizedExperiment with 24776 rows and 80 columns
 [5] UVM_GISTIC_Peaks-20160128: RangedSummarizedExperiment with 21 rows and 80 columns
 [6] UVM_GISTIC_ThresholdedByGene-20160128: SummarizedExperiment with 24776 rows and 80 columns
 [7] UVM_miRNASeqGene-20160128: SummarizedExperiment with 1046 rows and 80 columns
 [8] UVM_Mutation-20160128: RaggedExperiment with 2174 rows and 80 columns
 [9] UVM_RNASeq2Gene-20160128: SummarizedExperiment with 20501 rows and 80 columns
[10] UVM_RNASeq2GeneNorm-20160128: SummarizedExperiment with 20501 rows and 80 columns
[11] UVM_RPPAArray-20160128: SummarizedExperiment with 192 rows and 12 columns
[12] UVM_Methylation-20160128: SummarizedExperiment with 485577 rows and 80 columns

> rownames( UVM )
CharacterList of length 12
[["UVM_CNASeq-20160128"]] character(0)
[["UVM_CNASNP-20160128"]] character(0)
[["UVM_CNVSNP-20160128"]] character(0)
[["UVM_GISTIC_AllByGene-20160128"]] character(0)
[["UVM_GISTIC_Peaks-20160128"]] 4 5 6 7 8 9 10 11 ... 2 16 17 18 19 20 21 3
[["UVM_GISTIC_ThresholdedByGene-20160128"]] character(0)
[["UVM_miRNASeqGene-20160128"]] hsa-let-7a-1 hsa-let-7a-2 ... hsa-mir-99b
[["UVM_Mutation-20160128"]] character(0)
[["UVM_RNASeq2Gene-20160128"]] A1BG A1CF A2BP1 A2LD1 ... ZZZ3 psiTPTE22 tAKR
[["UVM_RNASeq2GeneNorm-20160128"]] A1BG A1CF A2BP1 ... ZZZ3 psiTPTE22 tAKR
...
<2 more elements>

> colnames( UVM )
CharacterList of length 12
[["UVM_CNASeq-20160128"]] TCGA-RZ-AB0B-01A-11D-A40D-26 ...
[["UVM_CNASNP-20160128"]] TCGA-RZ-AB0B-01A-11D-A39V-01 ...
[["UVM_CNVSNP-20160128"]] TCGA-RZ-AB0B-01A-11D-A39V-01 ...
```

```

[["UVM_GISTIC_AllByGene-20160128"]] TCGA-RZ-AB0B-01A-11D-A39V-01 ...
[["UVM_GISTIC_Peaks-20160128"]] TCGA-RZ-AB0B-01A-11D-A39V-01 ...
[["UVM_GISTIC_ThresholdedByGene-20160128"]] TCGA-RZ-AB0B-01A-11D-A39V-01 ...
[["UVM_miRNASeqGene-20160128"]] TCGA-RZ-AB0B-01A-11R-A40B-13 ...
[["UVM_Mutation-20160128"]] TCGA-RZ-AB0B-01A-11D-A39W-08 ...
[["UVM_RNASeq2Gene-20160128"]] TCGA-RZ-AB0B-01A-11R-A405-07 ...
[["UVM_RNASeq2GeneNorm-20160128"]] TCGA-RZ-AB0B-01A-11R-A405-07 ...
...
<2 more elements>

```

Sizes of each ExperimentList element:

		assay	size.Mb
1		UVM_CNASeq-20160128	0.2 Mb
2		UVM_CNASNP-20160128	1.9 Mb
3		UVM_CNVSNP-20160128	0.4 Mb
4		UVM_GISTIC_AllByGene-20160128	18.5 Mb
5		UVM_GISTIC_Peaks-20160128	0.1 Mb
6		UVM_GISTIC_ThresholdedByGene-20160128	18.5 Mb
7		UVM_miRNASeqGene-20160128	0.8 Mb
8		UVM_Mutation-20160128	12.3 Mb
9		UVM_RNASeq2Gene-20160128	15.1 Mb
10		UVM_RNASeq2GeneNorm-20160128	15.1 Mb
11		UVM_RPPAArray-20160128	0.1 Mb
12		UVM_Methylation-20160128	75 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  m1b   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

```

Including an additional 448 columns

UVM-v2.1.0

Uveal Melanoma

Description

A document describing the TCGA cancer code

Details

```

> experiments( UVM )
ExperimentList class object of length 12:
 [1] UVM_CNASeq-20160128: RaggedExperiment with 6496 rows and 102 columns
 [2] UVM_CNASNP-20160128: RaggedExperiment with 69487 rows and 160 columns
 [3] UVM_CNVSNP-20160128: RaggedExperiment with 12973 rows and 160 columns
 [4] UVM_GISTIC_AllByGene-20160128: SummarizedExperiment with 24776 rows and 80 columns
 [5] UVM_GISTIC_Peaks-20160128: RangedSummarizedExperiment with 21 rows and 80 columns
 [6] UVM_GISTIC_ThresholdedByGene-20160128: SummarizedExperiment with 24776 rows and 80 columns
 [7] UVM_Mutation-20160128: RaggedExperiment with 2174 rows and 80 columns
 [8] UVM_RNASeq2Gene-20160128: SummarizedExperiment with 20501 rows and 80 columns
 [9] UVM_RPPAArray-20160128: SummarizedExperiment with 192 rows and 12 columns
[10] UVM_miRNASeqGene-20160128: SummarizedExperiment with 1046 rows and 80 columns
[11] UVM_RNASeq2GeneNorm-20160128: SummarizedExperiment with 17345 rows and 80 columns
[12] UVM_Methylation-20160128: SummarizedExperiment with 485577 rows and 80 columns

> rownames( UVM )
CharacterList of length 12
[["UVM_CNASeq-20160128"]] character(0)
[["UVM_CNASNP-20160128"]] character(0)
[["UVM_CNVSNP-20160128"]] character(0)
[["UVM_GISTIC_AllByGene-20160128"]] character(0)
[["UVM_GISTIC_Peaks-20160128"]] 4 5 6 7 8 9 10 11 ... 2 16 17 18 19 20 21 3
[["UVM_GISTIC_ThresholdedByGene-20160128"]] character(0)
[["UVM_Mutation-20160128"]] character(0)
[["UVM_RNASeq2Gene-20160128"]] A1BG A1CF A2BP1 A2LD1 ... ZZZ3 psiTPTE22 tAKR
[["UVM_RPPAArray-20160128"]] 14-3-3_beta 14-3-3_epsilon ... p90RSK_pT359_S363
[["UVM_miRNASeqGene-20160128"]] hsa-let-7a-1 hsa-let-7a-2 ... hsa-mir-99b
...
<2 more elements>

> colnames( UVM )
CharacterList of length 12
[["UVM_CNASeq-20160128"]] TCGA-RZ-AB0B-01A-11D-A40D-26 ...
[["UVM_CNASNP-20160128"]] TCGA-RZ-AB0B-01A-11D-A39V-01 ...
[["UVM_CNVSNP-20160128"]] TCGA-RZ-AB0B-01A-11D-A39V-01 ...
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[["UVM_GISTIC_Peaks-20160128"]] TCGA-RZ-AB0B-01A-11D-A39V-01 ...
[["UVM_GISTIC_ThresholdedByGene-20160128"]] TCGA-RZ-AB0B-01A-11D-A39V-01 ...
[["UVM_Mutation-20160128"]] TCGA-RZ-AB0B-01A-11D-A39W-08 ...
[["UVM_RNASeq2Gene-20160128"]] TCGA-RZ-AB0B-01A-11R-A405-07 ...
[["UVM_RPPAArray-20160128"]] TCGA-V3-A9ZX-01A-21-A41Z-20 ...
[["UVM_miRNASeqGene-20160128"]] TCGA-RZ-AB0B-01A-11R-A40B-13 ...
...
<2 more elements>

```

Sizes of each ExperimentList element:

		assay size.Mb
1	UVM_CNASeq-20160128	0.2 Mb
2	UVM_CNASNP-20160128	1.9 Mb
3	UVM_CNVSNP-20160128	0.4 Mb

```

4          UVM_GISTIC_AllByGene-20160128 18.5 Mb
5          UVM_GISTIC_Peaks-20160128   0.1 Mb
6 UVM_GISTIC_ThresholdedByGene-20160128 18.5 Mb
7          UVM_Mutation-20160128   12.3 Mb
8          UVM_RNASeq2Gene-20160128 15.1 Mb
9          UVM_RPPAArray-20160128   0.1 Mb
10         UVM_miRNASeqGene-20160128  0.8 Mb
11         UVM_RNASeq2GeneNorm-20160128 12.8 Mb
12         UVM_Methylation-20160128   75 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
[1,] 23      23   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	m1b	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

Including an additional 448 columns

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