

Package ‘RnaSeqSampleSizeData’

August 26, 2025

Type Package

Title RnaSeqSampleSizeData

Version 1.41.0

Date 2014-12-03

Author Shilin Zhao, Chung-I Li, Yan Guo, Quanhu Sheng, Yu Shyr

Maintainer Shilin Zhao <zhaoshilin@gmail.com>

Description RnaSeqSampleSizeData package provides the read counts and dispersion distribution from real RNA-seq experiments. It can be used by RnaSeqSampleSize package to estimate sample size and power for RNA-seq experiment design.

License GPL (>= 2)

LazyLoad yes

LazyData false

Depends edgeR,R (>= 2.10)

VignetteBuilder knitr

Suggests BiocStyle, knitr

biocViews ExperimentData, CancerData, RNASeqData

git_url <https://git.bioconductor.org/packages/RnaSeqSampleSizeData>

git_branch devel

git_last_commit 7262f49

git_last_commit_date 2025-04-15

Repository Bioconductor 3.22

Date/Publication 2025-08-26

Contents

TCGA_BLCA	2
TCGA_BRCA	2
TCGA_CESC	3
TCGA_COAD	3
TCGA_HNSC	4
TCGA_KIRC	4
TCGA_LGG	5

TCGA_LUAD	5
TCGA_LUSC	6
TCGA_PRAD	6
TCGA_READ	7
TCGA_THCA	7
TCGA_UCEC	8

Index	9
--------------	----------

TCGA_BLCA	<i>Read counts and dispersion distribution for genes in TCGA BLCA data.</i>
-----------	---

Description

Read counts and dispersion distribution for genes in TCGA BLCA data.

Usage

```
TCGA_BLCA
```

Value

A class 'DGEList' from edgeR package.

Source

https://tcga-data.nci.nih.gov/tcgafiles/ftp_auth/distro_ftpusers/anonymous/tumor/blca/cgcc/unc.edu/illuminahisec_rnaseqv2/rnaseqv2/unc.edu_BLCA.IlluminaHiSeq_RNASeqV2.Level_3.1.17.0/

TCGA_BRCA	<i>Read counts and dispersion distribution for genes in TCGA BRCA data.</i>
-----------	---

Description

Read counts and dispersion distribution for genes in TCGA BRCA data.

Usage

```
TCGA_BRCA
```

Value

A class 'DGEList' from edgeR package.

Source

https://tcga-data.nci.nih.gov/tcgafiles/ftp_auth/distro_ftpusers/anonymous/tumor/brca/cgcc/unc.edu/illuminahisec_rnaseqv2/rnaseqv2/unc.edu_BRCA.IlluminaHiSeq_RNASeqV2.Level_3.1.10.0/

TCGA_CESC	<i>Read counts and dispersion distribution for genes in TCGA CESC data.</i>
-----------	---

Description

Read counts and dispersion distribution for genes in TCGA CESC data.

Usage

TCGA_CESC

Value

A class 'DGEList' from edgeR package.

Source

https://tcga-data.nci.nih.gov/tcgafiles/ftp_auth/distro_ftpusers/anonymous/tumor/cesc/cgcc/unc.edu/illuminahtseq_rnaseqv2/rnaseqv2/

TCGA_COAD	<i>Read counts and dispersion distribution for genes in TCGA COAD data.</i>
-----------	---

Description

Read counts and dispersion distribution for genes in TCGA COAD data.

Usage

TCGA_COAD

Value

A class 'DGEList' from edgeR package.

Source

https://tcga-data.nci.nih.gov/tcgafiles/ftp_auth/distro_ftpusers/anonymous/tumor/coad/cgcc/unc.edu/illuminahtseq_rnaseqv2/rnaseqv2/unc.edu_COAD.IlluminaHiSeq_RNASeqV2.Level_3.1.9.0/

TCGA_HNSC	<i>Read counts and dispersion distribution for genes in TCGA HNSC data.</i>
-----------	---

Description

Read counts and dispersion distribution for genes in TCGA HNSC data.

Usage

TCGA_HNSC

Value

A class 'DGEList' from edgeR package.

Source

https://tcga-data.nci.nih.gov/tcgafiles/ftp_auth/distro_ftpusers/anonymous/tumor/hnsc/cgcc/unc.edu/illuminaHiSeq_rnaseqv2/rnaseqv2/unc.edu_HNSC.IlluminaHiSeq_RNASeqV2.Level_3.1.7.0/

TCGA_KIRC	<i>Read counts and dispersion distribution for genes in TCGA KIRC data.</i>
-----------	---

Description

Read counts and dispersion distribution for genes in TCGA KIRC data.

Usage

TCGA_KIRC

Value

A class 'DGEList' from edgeR package.

Source

https://tcga-data.nci.nih.gov/tcgafiles/ftp_auth/distro_ftpusers/anonymous/tumor/kirc/cgcc/unc.edu/illuminaHiSeq_rnaseqv2/rnaseqv2/unc.edu_KIRC.IlluminaHiSeq_RNASeqV2.Level_3.1.5.0/

TCGA_LGG	<i>Read counts and dispersion distribution for genes in TCGA LGG data.</i>
----------	--

Description

Read counts and dispersion distribution for genes in TCGA LGG data.

Usage

TCGA_LGG

Value

A class 'DGEList' from edgeR package.

Source

https://tcga-data.nci.nih.gov/tcgafiles/ftp_auth/distro_ftpusers/anonymous/tumor/lgg/cgcc/unc.edu/illuminahisec_rnaseqv2/rnaseqv2/unc.edu_LGG.IlluminaHiSeq_RNASeqV2.Level_3.1.12.0/

TCGA_LUAD	<i>Read counts and dispersion distribution for genes in TCGA LUAD data.</i>
-----------	---

Description

Read counts and dispersion distribution for genes in TCGA LUAD data.

Usage

TCGA_LUAD

Value

A class 'DGEList' from edgeR package.

Source

https://tcga-data.nci.nih.gov/tcgafiles/ftp_auth/distro_ftpusers/anonymous/tumor/luad/cgcc/unc.edu/illuminahisec_rnaseqv2/rnaseqv2/unc.edu_LUAD.IlluminaHiSeq_RNASeqV2.Level_3.1.13.0/

TCGA_LUSC	<i>Read counts and dispersion distribution for genes in TCGA LUSC data.</i>
-----------	---

Description

Read counts and dispersion distribution for genes in TCGA LUSC data.

Usage

TCGA_LUSC

Value

A class 'DGEList' from edgeR package.

Source

https://tcga-data.nci.nih.gov/tcgafiles/ftp_auth/distro_ftpusers/anonymous/tumor/lusc/cgcc/unc.edu/illuminahisec_rnaseqv2/rnaseqv2/unc.edu_LUSC.IlluminaHiSeq_RNASeqV2.Level_3.1.9.0/

TCGA_PRAD	<i>Read counts and dispersion distribution for genes in TCGA PRAD data.</i>
-----------	---

Description

Read counts and dispersion distribution for genes in TCGA PRAD data.

Usage

TCGA_PRAD

Value

A class 'DGEList' from edgeR package.

Source

https://tcga-data.nci.nih.gov/tcgafiles/ftp_auth/distro_ftpusers/anonymous/tumor/prad/cgcc/unc.edu/illuminahisec_rnaseqv2/rnaseqv2/unc.edu_PRAD.IlluminaHiSeq_RNASeqV2.Level_3.1.12.0/

TCGA_READ	<i>Read counts and dispersion distribution for genes in TCGA READ data.</i>
-----------	---

Description

Read counts and dispersion distribution for genes in TCGA READ data.

Usage

TCGA_READ

Value

A class 'DGEList' from edgeR package.

Source

https://tcga-data.nci.nih.gov/tcgafiles/ftp_auth/distro_ftpusers/anonymous/tumor/read/cgcc/unc.edu/illuminahisec_rnaseqv2/rnaseqv2/unc.edu_READ.IlluminaHiSeq_RNASeqV2.Level_3.1.8.0/

TCGA_THCA	<i>Read counts and dispersion distribution for genes in TCGA THCA data.</i>
-----------	---

Description

Read counts and dispersion distribution for genes in TCGA THCA data.

Usage

TCGA_THCA

Value

A class 'DGEList' from edgeR package.

Source

https://tcga-data.nci.nih.gov/tcgafiles/ftp_auth/distro_ftpusers/anonymous/tumor/thca/cgcc/unc.edu/illuminahisec_rnaseqv2/rnaseqv2/unc.edu_THCA.IlluminaHiSeq_RNASeqV2.Level_3.1.12.0/

TCGA_UCEC	<i>Read counts and dispersion distribution for genes in TCGA UCEC data.</i>
-----------	---

Description

Read counts and dispersion distribution for genes in TCGA UCEC data.

Usage

```
TCGA_UCEC
```

Value

A class 'DGEList' from edgeR package.

Source

https://tcga-data.nci.nih.gov/tcgafiles/ftp_auth/distro_ftpusers/anonymous/tumor/ucec/cgcc/unc.edu/illuminahisec_rnaseqv2/rnaseqv2/unc.edu_UCEC.IlluminaHiSeq_RNASeqV2.Level_3.1.10.0/

Index

TCGA_BLCA, [2](#)
TCGA_BRCA, [2](#)
TCGA_CESC, [3](#)
TCGA_COAD, [3](#)
TCGA_HNSC, [4](#)
TCGA_KIRC, [4](#)
TCGA_LGG, [5](#)
TCGA_LUAD, [5](#)
TCGA_LUSC, [6](#)
TCGA_PRAD, [6](#)
TCGA_READ, [7](#)
TCGA_THCA, [7](#)
TCGA_UCEC, [8](#)