Package 'RnaSeqSampleSizeData'

November 10, 2026

Type Package

Title RnaSeqSampleSizeData

Version 1.44.0

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 RELEASE_3_23

git_last_commit 2a19d35

git_last_commit_date 2026-04-28

Repository Bioconductor 3.23

Date/Publication 2026-11-10

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

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/illuminahiseq_rnaseqv2/rnaseqv2/unc.edu_BLCA.IlluminaHiSeq_RNASeqV2.Level_3.1.17.0/

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

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/illuminahiseq_rnaseqv2/rnaseqv2/unc.edu_BRCA.IlluminaHiSeq_RNASeqV2.Level_3.1.10.0/

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

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/illuminahiseq_rnaseqv2/rnaseqv2/

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

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/illuminahiseq_rnaseqv2/rnaseqv2/unc.edu_COAD.IlluminaHiSeq_RNASeqV2.Level_3.1.9.0/

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

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

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

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/illuminahiseq_rnaseqv2/rnaseqv2/unc.edu_LGG.IlluminaHiSeq_RNASeqV2.Level_3.1.12.0/

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

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/illuminahiseq_rnaseqv2/rnaseqv2/unc.edu_LUAD.IlluminaHiSeq_RNASeqV2.Level_3.1.13.0/

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

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/illuminahiseq_rnaseqv2/rnaseqv2/unc.edu_LUSC.IlluminaHiSeq_RNASeqV2.Level_3.1.9.0/

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

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/illuminahiseq_rnaseqv2/rnaseqv2/unc.edu_PRAD.IlluminaHiSeq_RNASeqV2.Level_3.1.12.0/

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

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/illuminahiseq_rnaseqv2/rnaseqv2/unc.edu_READ.IlluminaHiSeq_RNASeqV2.Level_3.1.8.0/

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

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/illuminahiseq_rnaseqv2/rnaseqv2/unc.edu_THCA.IlluminaHiSeq_RNASeqV2.Level_3.1.12.0/

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

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/illuminahiseq_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