Package ‘RnaSeqSampleSizeData’

May 23, 2024

Type Package
Title RnaSeqSampleSizeData
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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
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Repository Bioconductor 3.19
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### TCGA_BRCA

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<td>Read counts and dispersion distribution for genes in TCGA BLCA data.</td>
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**Description**

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

**Usage**

TCGA_BLCA

**Value**

A class 'DGEList' from edgeR package.

**Source**


<table>
<thead>
<tr>
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<th>Read counts and dispersion distribution for genes in TCGA BRCA data.</th>
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<tbody>
<tr>
<td>TCGA_BRCA</td>
<td>Read counts and dispersion distribution for genes in TCGA BRCA data.</td>
</tr>
</tbody>
</table>

**Description**

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

**Usage**

TCGA_BRCA
**TCGA_CESC**

**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/

<table>
<thead>
<tr>
<th>TCGA_CESC</th>
<th>Read counts and dispersion distribution for genes in TCGA CESC data.</th>
</tr>
</thead>
</table>

**Description**

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

**Usage**

TCGA_CESC

**Value**

A class 'DGEList' from edgeR package.

**Source**


<table>
<thead>
<tr>
<th>TCGA_COAD</th>
<th>Read counts and dispersion distribution for genes in TCGA COAD data.</th>
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</table>

**Description**

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

**Usage**

TCGA_COAD

**Value**

A class 'DGEList' from edgeR package.
Source


**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/
**Description**

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

**Usage**

TCGA_LGG

**Value**

A class 'DGEList' from edgeR package.

**Source**


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**Description**

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

**Usage**

TCGA_LUAD

**Value**

A class 'DGEList' from edgeR package.

**Source**

<table>
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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

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
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.

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