

# Package ‘RnaSeqSampleSizeData’

February 18, 2025

**Type** Package

**Title** RnaSeqSampleSizeData

**Version** 1.39.0

**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** 550d841

**git\_last\_commit\_date** 2024-10-29

**Repository** Bioconductor 3.21

**Date/Publication** 2025-02-18

## 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

<b>Index</b>	<b>9</b>
--------------	----------

---

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/illuminaHiSeq\\_rnaseqv2/rnaseqv2/unc.edu\\_BLCA.IlluminaHiSeq\\_RNASeqV2.Level\\_3.1.17.0/](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	<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/illuminaHiSeq\\_rnaseqv2/rnaseqv2/unc.edu\\_BRCA.IlluminaHiSeq\\_RNASeqV2.Level\\_3.1.10.0/](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	<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/illuminaHiSeq\\_rnaseqv2/rnaseqv2/](https://tcga-data.nci.nih.gov/tcgafiles/ftp_auth/distro_ftpusers/anonymous/tumor/cesc/cgcc/unc.edu/illuminaHiSeq_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/illuminahiseq\\_rnaseqv2/rnaseqv2/unc.edu\\_COAD.IlluminaHiSeq\\_RNASeqV2.Level\\_3.1.9.0/](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	<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/](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/](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/illuminaHiSeq\\_rnaseqv2/rnaseqv2/unc.edu\\_LGG.IlluminaHiSeq\\_RNASeqV2.Level\\_3.1.12.0/](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	<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/illuminaHiSeq\\_rnaseqv2/rnaseqv2/unc.edu\\_LUAD.IlluminaHiSeq\\_RNASeqV2.Level\\_3.1.13.0/](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	<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/illuminahiseq\\_rnaseqv2/rnaseqv2/unc.edu\\_LUSC.IlluminaHiSeq\\_RNASeqV2.Level\\_3.1.9.0/](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	<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/illuminahiseq\\_rnaseqv2/rnaseqv2/unc.edu\\_PRAD.IlluminaHiSeq\\_RNASeqV2.Level\\_3.1.12.0/](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	<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/illuminahiseq\\_rnaseqv2/rnaseqv2/unc.edu\\_READ.IlluminaHiSeq\\_RNASeqV2.Level\\_3.1.8.0/](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	<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/illuminahiseq\\_rnaseqv2/rnaseqv2/unc.edu\\_THCA.IlluminaHiSeq\\_RNASeqV2.Level\\_3.1.12.0/](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/](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