# Package ‘RnaSeqSampleSizeData’

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**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

**git_url** https://git.bioconductor.org/packages/RnaSeqSampleSizeData

**git_branch** devel

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

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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

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/

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

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## 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/

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

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### 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/

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

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### 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/

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

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### 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/

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

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### 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/

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