Package ‘sampleClassifierData’

April 11, 2024

Type Package
Title Pre-processed data for use with the sampleClassifier package
Version 1.26.0
Date 2021-11-21
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Description This package contains two microarray and two RNA-seq datasets that have been preprocessed for use with the sampleClassifier package. The RNA-seq data are derived from Fagerberg et al. (2014) and the Illumina Body Map 2.0 data. The microarray data are derived from Roth et al. (2006) and Ge et al. (2005).
License Artistic-2.0
Depends R (>= 3.4), SummarizedExperiment
Suggests BiocStyle
biocViews ExperimentData, ExpressionData, MicroarrayData, SequencingData, RNASeqData, ArrayExpress
NeedsCompilation no
git_url https://git.bioconductor.org/packages/sampleClassifierData
git_branch RELEASE_3_18
git_last_commit 06af210
git_last_commit_date 2023-10-24
Repository Bioconductor 3.18
Date/Publication 2024-04-11

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Description

This package contains two microarray and two RNA-seq datasets that have been preprocessed for use with the sampleClassifier package. The RNA-seq data are derived from Fagerberg et al. (2014) and the Illumina Body Map 2.0 data. The microarray data are derived from Roth et al. (2006) and Ge et al. (2005).

Details

This package contains a collection of publicly available microarray and RNA-seq datasets that have been pre-processed for use with the R-package 'sampleClassifier'.

The dataset `se_rnaseq_refmat` contains 71 samples from 24 tissues, derived from Fagerberg et al. (2014). Each tissue is represented by 3 replicates (except ovary which is represented by 2 replicates).

The dataset `se_micro_refmat` contains 78 samples from 26 tissues, derived from Roth et al. (2006). Each tissue is represented by 3 replicates.

The dataset `se_rnaseq_testmat` contains 12 samples from the Illumina Body Map 2.0 data.

The dataset `se_micro_testmat` contains 16 samples from Ge et al. (2005).

See the package vignette for details on the pre-processing of the data.

Author(s)

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References


The Illumina Body Map 2.0 data (https://www.ebi.ac.uk/arrayexpress/experiments/E-MTAB-513/).

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**se_micro_refmat**  
**microarray gene expression data set**

**Description**  
Microarray gene expression data set with 78 samples from 26 tissues, derived from Roth et al. (2006). Each tissue is represented by 3 replicates.

**Usage**  
```r  
data(se_micro_refmat)  
```

**Format**  
A matrix with 54675 probesets and 78 samples.

**Value**  
microarray data matrix as SummarizedExperiment

**References**  

**Examples**  
```r  
data(se_micro_refmat)  
```

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**se_micro_testmat**  
**microarray gene expression data set**

**Description**  
Microarray gene expression data set with 16 samples from Ge et al. (2005).

**Usage**  
```r  
data(se_micro_testmat)  
```
Format

A matrix with 22283 probesets and 16 samples.

Value

microarray data matrix as SummarizedExperiment

References


Examples

data(se_micro_testmat)

se_rnaseq_refmat  RNA-seq gene expression data set

Description

RNA-seq gene expression data set with 71 samples from 24 tissues, derived from Fagerberg et al. (2014). Each tissue is represented by 3 replicates (except ovary which is represented by 2 replicates).

Usage

data(se_rnaseq_refmat)

Format

A matrix with 43819 genes and 71 samples.

Value

RNA-seq data matrix as SummarizedExperiment

References

se_rnaseq_testmat

Examples

data(se_rnaseq_refmat)

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se_rnaseq_testmat  RNA-seq gene expression data set

Description

RNA-seq gene expression data set with 12 samples from the Illumina Body Map 2.0 data.

Usage

data(se_rnaseq_testmat)

Format

A matrix with 43819 genes and 12 samples.

Value

RNA-seq data matrix as SummarizedExperiment

References

The Illumina Body Map 2.0 data (https://www.ebi.ac.uk/arrayexpress/experiments/E-MTAB-513/).

Examples

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