Package ‘PREDAsampleddata’

November 22, 2016

Title expression and copy number data on clear cell renal carcinoma samples

Version 0.14.0

Author I. Cifola et al. in Cristina Battaglia Lab, University of Milan

Description Sample data for PREDA package. (annotations objects synchronized with GeneAnnot custom CDFs version 2.2.0)

Depends R (>= 2.9.0), methods, PREDA, Biobase, affy, annotate, gahgu133plus2.db, gahgu133plus2cdf

Suggests hgu133plus2.db, hgu133plus2cdf

Maintainer Francesco Ferrari <francesco.ferrari@unimore.it>

License Artistic-2.0

biocViews ExperimentData, Tissue, CancerData, KidneyCancerData, MicroarrayData, TissueMicroarrayData, ArrayExpress

NeedsCompilation no

R topics documented:

- AffybatchRCC 1
- ExpressionSetRCC 2
- gaExpressionSetRCC 3
- GEanalysisResults 4
- SODEGIRCNanalysisResults 4
- SODEGIRCNDataForPREDA 5
- SODEGIRGEanalysisResults 6
- SODEGIRGEDataForPREDA 6

Index

AffybatchRCC

AffyBatch object for clear cell renal carcinoma (RCC) sample dataset

Description

An AffyBatch object containint raw data from clear cell renal carcinoma (RCC) dataset CEL files
Usage
data(AffybatchRCC)

Details
The sample gene expression dataset includes 12 samples of clear cell renal carcinoma and 11 samples from normal kidney tissue.

Source
ArrayExpress dataset E-TABM-282

References

Examples
data(AffybatchRCC)
AffybatchRCC

ExpressionSetRCC
ExpressionSet object for clear cell renal carcinoma (RCC) sample dataset

Description
An ExpressionSet object containing justRMA preprocessed data for clear cell renal carcinoma (RCC) dataset, using standard Affymetrix CDF

Usage
data(ExpressionSetRCC)

Details
The sample gene expression dataset includes 12 samples of clear cell renal carcinoma and 11 samples from normal kidney tissue.

Source
ArrayExpress dataset E-TABM-282

References
gaExpressionSetRCC

Examples

data(ExpressionSetRCC)
ExpressionSetRCC

gExpressionSetRCC  ExpressionSet object for clear cell renal carcinoma (RCC) sample dataset based on GeneAnnot custom CDF

Description

An ExpressionSet object containig justRMA preprocessed data for clear cell renal carcinoma (RCC) dataset, using GeneAnnot based custom CDF (gahgu133plus2cdf).

Usage

data(ExpressionSetRCC)

Details

The sample gene expression dataset includes 12 samples of clear cell renal carcinoma and 11 samples from normal kidney tissue.

Source

ArrayExpress dataset E-TABM-282

References


Examples

data(gaExpressionSetRCC)
gaExpressionSetRCC
Description

PREDA analysis results of RCC gene expression sample dataset. The PREDA analysis was focused on the detection of differentially expressed genomic regions in tumor samples compared to normal kidney cells.

Usage

data(GEanalysisResults)

Source

ArrayExpress dataset E-TABM-282

References

http://www.xlab.unimo.it/PREDA

Examples

data(GEanalysisResults)
str(GEanalysisResults)

Description

PREDAResults object containing SODEGIR analysis results on Copy Number data

Usage

data(SODEGIRCNanalysisResults)

Details

See also vignette from PREDA package

Source

Copy number data data were obtained from ArrayExpress datasets E-TABM-283/E-TABM-284
References

http://www.xlab.unimo.it/PREDA http://www.xlab.unimo.it/SODEGIR


Examples

data(SODEGIRCNanalysisResults)
str(SODEGIRCNanalysisResults)

SODEGIRCNDataForPREDA  Copy Number input data for PREDA analysis

Description

DataForPREDA object containing Copy Number input data for PREDA analysis

Usage

data(SODEGIRCNDataForPREDA)

Details

See also vignette from PREDA package

Source

Copy number data data were obtained from ArrayExpress datasets E-TABM-283/E-TABM-284

References

http://www.xlab.unimo.it/PREDA http://www.xlab.unimo.it/SODEGIR


Examples

data(SODEGIRCNDataForPREDA)
str(SODEGIRCNDataForPREDA)
SODEGIRGeAnalysisResults

SOEDEGIR analysis results on Gene Expression data

**Description**

PREDADataAndResults object containing SODEGIR analysis results on Gene Expression data

**Usage**

data(SODEGIRGeAnalysisResults)

**Details**

See also vignette from PREDA package

**Source**

ArrayExpress dataset E-TABM-282

**References**

http://www.xlab.unimo.it/PREDA http://www.xlab.unimo.it/SODEGIR

**Examples**

data(SODEGIRGeAnalysisResults)
str(SODEGIRGeAnalysisResults)

SODEGIRGEDataForPREDA Gene Expression input data for PREDA analysis

**Description**

DataForPREDA object containing Gene Expression input data for PREDA analysis

**Usage**

data(SODEGIRGEDataForPREDA)

**Details**

See also vignette from PREDA package

**Source**

ArrayExpress dataset E-TABM-282
References

http://www.xlab.unimo.it/PREDA http://www.xlab.unimo.it/SODEGIR


Examples

data(SODEGIRGEDataForPREDA)
str(SODEGIRGEDataForPREDA)
Index

*Topic* datasets
AffybatchRCC, 1
ExpressionSetRCC, 2
gaExpressionSetRCC, 3
GEanalysisResults, 4
SODEGIRCNanalysisResults, 4
SODEGIRCNDataForPREDA, 5
SODEGIRGEanalysisResults, 6
SODEGIRGEDataForPREDA, 6
AffybatchRCC, 1
ExpressionSetRCC, 2
gaExpressionSetRCC, 3
GEanalysisResults, 4
SODEGIRCNanalysisResults, 4
SODEGIRCNDataForPREDA, 5
SODEGIRGEanalysisResults, 6
SODEGIRGEDataForPREDA, 6