Package ‘PREDAsampledata’

March 28, 2024

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

Version  0.42.0

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Description  Sample data for PREDA package. (annotations objects synchronized with GeneAn-
not custom CDFs version 2.2.0)

Depends  R (>= 2.10.0), methods, PREDA, Biobase, affy, annotate

Suggests  hgu133plus2.db, hgu133plus2cdf

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License  Artistic-2.0

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

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R topics documented:

<table>
<thead>
<tr>
<th>Topic</th>
<th>Pages</th>
</tr>
</thead>
<tbody>
<tr>
<td>AffybatchRCC</td>
<td>2</td>
</tr>
<tr>
<td>ExpressionSetRCC</td>
<td>2</td>
</tr>
<tr>
<td>GEanalysisResults</td>
<td>3</td>
</tr>
<tr>
<td>SODEGIRCNanalysisResults</td>
<td>4</td>
</tr>
<tr>
<td>SODEGIRCNDataForPREDA</td>
<td>4</td>
</tr>
<tr>
<td>SODEGIRGEanalysisResults</td>
<td>5</td>
</tr>
<tr>
<td>SODEGIRGEDataForPREDA</td>
<td>6</td>
</tr>
</tbody>
</table>

Index  7
**ExpressionSetRCC**

**AffybatchRCC**

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

**Description**

An AffyBatch object containing 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)
```

**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)
```
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(ExpressionSetRCC)
ExpressionSetRCC

---

**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)
SODEGIRCNDataForPREDA

**SODEGIR analysis results on Copy Number data**

**Description**

PREDAResults object containing SODEGIR analysis results on Copy Number data

**Usage**

```r
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**

```r
data(SODEGIRCNanalysisResults)
str(SODEGIRCNanalysisResults)
```

SODEGIRCNDataForPREDA  

**Copy Number input data for PREDA analysis**

**Description**

DataForPREDA object containing Copy Number input data for PREDA analysis

**Usage**

```r
data(SODEGIRCNDataForPREDA)
```

**Details**

See also vignette from PREDA package
SODEGIRGEanalysisResults

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
SODEGIR 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)
SODEGIRGEGDataForPREDA  

Gene Expression input data for PREDA analysis

Description
DataForPREDA object containing Gene Expression input data for PREDA analysis

Usage
data(SODEGIRGEGDataForPREDA)

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(SODEGIRGEGDataForPREDA)
str(SODEGIRGEGDataForPREDA)
Index

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

AffybatchRCC, 2
ExpressionSetRCC, 2
GEanalysisResults, 3
SODEGIRCNanalysisResults, 4
SODEGIRCNDataForPREDA, 4
SODEGIRGEanalysisResults, 5
SODEGIRGEDataForPREDA, 6