Package ‘cMap2data’
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Type     Package
Title    Connectivity Map (version 2) Data
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Author   C. Pacini
Maintainer J. Saez-Rodriguez <saezrodriguez@ebi.ac.uk>
Description Data package which provides default drug profiles for the DrugVsDisease package as well as associated gene lists and data clusters used by the DrugVsDisease package.
License  GPL-3
biocViews Homo_sapiens_Data, MicroarrayData, GEO
LazyLoad yes
LazyData yes
Depends  R (>= 2.10)
NeedsCompilation no

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  cMap2 Data Package

Description

Data package to provide default ranked profiles, clusters and Cytoscape http://www.cytoscape.org/ file format for the DrugVsDisease package. The data is from drug screenings in the connectivity map (version 2) which is a project based at the Broad Institute of MIT and Harvard in Cambridge, Massachusetts (USA).
Details
Data loaded automatically in the DrugVsDisease package.

Author(s)
C. Pacini
Maintainer: Julio Saez-Rodriguez saezrodriguez@ebi.ac.uk

References

Examples
#load the gene Ranked lists:
data(drugRL)

---

cytodrug  Cytodrug data frame

Description
Data frame containing information for input into Cytoscape SIF file format. Contains the connections between the affinity propagation clustering of the drug profiles.

Usage
data(cytodrug)

Format
A data frame with 1309 observations on 4 variables.

Details
Columns 1 and 2 contain the names of the nodes connected in the network. The third have the distances according to the GSEA scores and the fourth column is edge type the Running sum Peak Sign (RPS) for which 1 denotes positive correlation and (-1) a negative correlation.

Source
http://www.broadinstitute.org/genome_bio/connectivitymap.html
References


Examples

data(cytodrug)

drugClusters

Drug Clusters Matrix

Description

Containing the names of the drug profiles and the numbers of the clusters for each node, as determined by affinity propagation clustering using GSEA scores for similarity matrix. The drug profiles are derived from the Connectivity Map version 2 which is a project based at the Broad Institute of MIT and Harvard Cambridge, Massachusetts (USA).

Usage

data(drugClusters)

Format

A data frame with 1309 observations on 2 variables.

Details

A Data frame containing the names of the compounds in the DvDdata reference set in the first column. The second column contains the cluster they were assigned to using GSEA to calculate similarity between profiles used as input into affinity propagation clustering.

Source

http://www.broadinstitute.org/genome_bio/connectivitymap.html

References


Examples

data(drugClusters)
**druglabels**  
*Drug name maps to Drug Bank*

**Description**

Data frame containing the names of the compounds in the DvD data drug profiles, with corresponding names to search the DrugBank [1] database through its web browser.

**Usage**

```r
data(druglabels)
```

**Source**

http://www.broadinstitute.org/cmap/

**References**


**Examples**

```r
data(druglabels)
```

---

**drugRL**  
*Drug Ranked List Matrix*

**Description**

Ranked Lists by expression of genes for reference set of drug profiles. These drug profiles are derived from the Connectivity map (version 2) project which is based at the Broad Institute of MIT and Harvard in Cambridge, Massachusetts (USA)

**Usage**

```r
data(drugRL)
```

**Details**

A matrix containing the ranked lists of expression profiles for the 1309 drug compounds in the Connectivity Map (version 2) screening. Rows are the genes and the columns contain ranked lists for different drugs. The profiles are in rank decreasing order.

**Source**

http://www.broadinstitute.org/genome_bio/connectivitymap.html
References


Examples

data(drugRL)

genelist  Gene List Vector

Description

List of HUGO genes included in the reference data sets.

Usage

data(genelist)

Details


References


Examples

data(genelist)
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