Package 'FIs'

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Title Human Functional Interactions (FIs) for splineTimeR package

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Depends R (>= 3.3)

Description Data set containing two complete lists of identified functional interaction partners in Human. Data are derived from Reactome and BioGRID databases.

License GPL-3

biocViews PathwayInteractionDatabase, Homo_sapiens_Data

NeedsCompilation no

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FIs *Human Functional Interactions (FIs)*

Description

Data set with two complete lists of identified functional interaction partners in Human. Data are derived from Reactome and BioGRID databases.

Usage

```
data(FIs)
```

Format

A list of two data frames with two columns describing interaction partners.

`FIs_Reactome` functional interactions derived from Reactome database

`FIs_BioGRID` functional interactions derived from BioGRID database

Details

The data sets contain unique interaction pairs. Self-loops are not considered.

Value

A list of two data frames.

Source

Reactome functional interaction pairs. Retrieved December 3, 2015 from http://www.reactome.org/pages/download-data/

BioGRID functional interaction pairs. Retrieved December 3, 2015 from http://thebiogrid.org/download.php

References

Croft, D., Mundo, A. F., Haw R., Milacic, M., Weiser, J., Wu, G., Caudy, M., Garapati, P., Gillespie, M., Kamdar, M. R., Jassal, B., Jupe, S., Matthews, L., May, B., Palatnik, S., Rothfels, K., Shamovsky, V., Song, H., Williams, M., Birney, E., Hermjakob, H., Stein, L., D'Eustachio, P. (2014). The Reactome pathway knowledgebase. *Nucleic Acids Research* 42(Database issue), 472-477.

Stark, C., Breitkreutz, B.-J., Reguly, T. Boucher, L., Breitkreutz, A., Tyers, M. (2006). BioGRID: a general repository for interaction datasets. *Nucleic Acids Research* 34(Database issue), 535-539.

Examples

```
data(FIs)
names(FIs)
head(FIs$FIs_Reactome)
head(FIs$FIs_BioGRID)
```

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∗ **datasets**
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