Package 'FIs'

November 10, 2026

Title Human Functional Interactions (FIs) for splineTimeR package

Version 1.40.0

Date 2020-04-14

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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

git_url https://git.bioconductor.org/packages/FIs

git_branch RELEASE_3_23

git_last_commit 9b9672f

git_last_commit_date 2026-04-28

Repository Bioconductor 3.23

Date/Publication 2026-11-10

Contents

FIs 2

Index **4**

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)
```

Index

∗ **datasets**
FIs, 2

FIs, 2