

Package ‘gontr’

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Title Dataset for 'GOxploreR'

Version 1.1.0

Author Kalifa Manjang

Maintainer Kalifa Manjang <kalifamanjang1@gmail.com>

Description Contains the Gene ontology terms and skeleton for the reduced GO directed acyclic graph (DAG) for the organisms Rat and Mouse. The methods are explicitly discussed in the following article : Manjang et al (2020) <[doi:10.1038/s41598-020-73326-3](https://doi.org/10.1038/s41598-020-73326-3)>.

License GPL-2

Encoding UTF-8

LazyData true

Depends R (>= 2.10)

RoxygenNote 7.1.1

NeedsCompilation no

Repository CRAN

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BPMouse

BP GO-terms reduced GO-DAG for Mouse

Description

A data set with list containing information about the reduced GO-BP dag for Mouse

Usage

BPMouse

Format

A list with 3 objects:

v GO-terms in the respective nodes.

dat.d Data frame object that shows how the respective nodes are connected.

df Sketelon of the reduced GO-dags.

Source

<<https://www.nature.com/articles/s41598-020-73326-3>>

BPRat

BP GO-terms reduced GO-DAG for Rat

Description

A data set with list containing information about the reduced GO-BP dag for Rat.

Usage

BPRat

Format

A list with 3 objects:

v GO-terms in the respective nodes.

dat.d Data frame object that shows how the respective nodes are connected.

df Sketelon of the reduced GO-dags.

Source

<<https://www.nature.com/articles/s41598-020-73326-3>>

CCMouse

CC GO-terms reduced GO-DAG for Mouse

Description

A data set with list containing information about the reduced GO-BP DAG for Mouse.

Usage

CCMouse

Format

A list with 3 objects:

v GO-terms in the respective nodes.

dat.d Data frame object that shows how the respective nodes are connected.

df Sketelon of the reduced GO-dags.

Source

<<https://www.nature.com/articles/s41598-020-73326-3>>

CCRat

CC GO-terms reduced GO-DAG for Rat

Description

A data set with list containing information about the reduced GO-BP DAG for Rat.

Usage

CCRat

Format

A list with 3 objects:

v GO-terms in the respective nodes.

dat.d Data frame object that shows how the respective nodes are connected.

df Sketelon of the reduced GO-dags.

Source

<<https://www.nature.com/articles/s41598-020-73326-3>>

MFMouse

MF GO-terms reduced GO-DAG for Mouse

Description

A data set with list containing information about the reduced GO-BP DAG for Mouse.

Usage

MFMouse

Format

A list with 3 objects:

v GO-terms in the respective nodes.

dat.d Data frame object that shows how the respective nodes are connected.

df Sketelon of the reduced GO-dags.

Source

<<https://www.nature.com/articles/s41598-020-73326-3>>

MFRat

MF GO-terms reduced GO-DAG for Rat

Description

A data set with list containing information about the reduced GO-BP DAG for Rat

Usage

MFRat

Format

A list with 3 objects:

v GO-terms in the respective nodes.

dat.d Data frame object that shows how the respective nodes are connected.

df Sketelon of the reduced GO-dags.

Source

<<https://www.nature.com/articles/s41598-020-73326-3>>

Mouse

BP GO-terms as an Edgelist for Mouse

Description

A data set containing BP, MF and CC GO-terms as an edgelist for Mouse.

Usage

Mouse

Format

A list containing 3 objects:

BPlist BP GO-terms edgelist.

MFlist MF GO-terms edgelist.

CClist CC GO-terms edgelist.

Source

<<https://www.nature.com/articles/s41598-020-73326-3>>

MouseAll

All GO-terms for Mouse

Description

A data set with all the GO-terms for Mouse.

Usage

MouseAll

Format

A data frame with 337505 rows and 2 variables:

entrezgene_id The entrezgene_id.

go_id The respective GO-terms.

Source

<<https://www.nature.com/articles/s41598-020-73326-3>>

Rat	<i>BP GO-terms as an Edgelist for Rat</i>
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Description

A data set containing BP, MF and CC GO-terms as an edgelist for Rat

Usage

Rat

Format

A list containing 3 objects:

BPlist BP GO-terms edgelist.

MFlist MF GO-terms edgelist.

CCList CC GO-terms edgelist.

Source

<<https://www.nature.com/articles/s41598-020-73326-3>>

RatAll	<i>All GO-terms for Rat</i>
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Description

A data set with all the GO-terms for Rat.

Usage

RatAll

Format

A data frame with 262619 rows and 2 variables:

entrezgene_id The entrezgene_id.

go_id The respective GO-terms.

Source

<<https://www.nature.com/articles/s41598-020-73326-3>>

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