

Package ‘simpIntLists’

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Type Package

Title The package contains BioGRID interactions for various organisms in a simple format

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Author Kircicegi Korkmaz, Volkan Atalay, Rengul Cetin-Atalay

Maintainer Kircicegi Korkmaz <e102771@ceng.metu.edu.tr>

Description The package contains BioGRID interactions for arabidopsis(thale cress), c.elegans, fruit fly, human, mouse, yeast(budding yeast) and S.pombe (fission yeast) . Entrez ids, official names and unique ids can be used to find proteins. The format of interactions are lists. For each gene/protein, there is an entry in the list with ``name" containing name of the gene/protein and ``interactors" containing the list of genes/proteins interacting with it.

License GPL (>= 2)

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simpIntLists-package *The package contains BioGRID interactions for various organisms in a simplified format*

Description

The package contains BioGRID interactions for arabidopsis(thale cress), c.elegans, fruit fly, human, mouse, yeast(budding yeast) and S.pombe (fission yeast) . Entrez ids, official names and unique ids can be used to find proteins.

Details

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Author(s)

Kircicegi KORKMAZ, Volkan ATALAY, Rengul CETIN ATALAY Maintainer: Kircicegi KORKMAZ <e102771@ceng.metu.edu.tr>

References

Stark C, Breitkreutz BJ, Reguly T, Boucher L, Breitkreutz A, Tyers M. *Biogrid: A General Repository for Interaction Datasets*. Nucleic Acids Res. Jan1; 34:D535-9

Examples

```
findInteractionList("arabidopsis", "EntrezId")
data(YeastBioGRIDInteractionUniqueId)
```

ArabidopsisBioGRIDInteractionEntrezId

BioGRID interactions for thale cress (Arabidopsis thaliana), entrez ids are used as identifiers

Description

This data set contains a list of interactions for thale cress (*Arabidopsis thaliana*). The interactions are taken from BioGRID version 3.1.72, January 2011 release. For gene/protein entries, Entrez ids are used.

Usage

```
data(ArabidopsisBioGRIDInteractionEntrezId)
```

Format

The format is: List of 2118 A list containing the interactions. For each gene/protein, there is an entry in the list with "name" containing name of the gene/protein and "interactors" containing the list of genes/proteins interacting with it. example: \$:List of 2 ..\$ name : int 828230 ..\$ interactors: int [1:12] 832208 821860 821860 832208 832208 821860 832208 5888 842783 834532 ...

Source

<http://thebiogrid.org/download.php>

References

Stark C, Breitkreutz BJ, Reguly T, Boucher L, Breitkreutz A, Tyers M. *Biogrid: A General Repository for Interaction Datasets*. Nucleic Acids Res. Jan1; 34:D535-9

Examples

```
data(ArabidopsisBioGRIDInteractionEntrezId)
ArabidopsisBioGRIDInteractionEntrezId
```

ArabidopsisBioGRIDInteractionOfficial

BioGRID interactions for thale cress (Arabidopsis thaliana), official names are used as identifiers

Description

This data set contains a list of interactions for thale cress (*Arabidopsis thaliana*). The interactions are taken from BioGRID version 3.1.72, January 2011 release. For gene/protein entries, official names are used.

Usage

```
data(ArabidopsisBioGRIDInteractionOfficial)
```

Format

The format is: List of 2109 A list containing the interactions. For each gene/protein, there is an entry in the list with "name" containing name of the gene/protein and "interactors" containing the list of genes/proteins interacting with it. example: \$:List of 2 ..\$ name : chr "BRCA2(IV)" ..\$ interactors: chr [1:12] "ATRAD51" "DMC1" "DMC1" "ATRAD51" ...

Source

<http://thebiogrid.org/download.php>

References

Stark C, Breitkreutz BJ, Reguly T, Boucher L, Breitkreutz A, Tyers M. *Biogrid: A General Repository for Interaction Datasets*. *Nucleic Acids Res*. Jan1; 34:D535-9

Examples

```
data(ArabidopsisBioGRIDInteractionOfficial)
ArabidopsisBioGRIDInteractionOfficial
```

ArabidopsisBioGRIDInteractionUniqueId

BioGRID interactions for thale cress (Arabidopsis thaliana), unique ids are used as identifiers

Description

This data set contains a list of interactions for thale cress (*Arabidopsis thaliana*). The interactions are taken from BioGRID version 3.1.72, January 2011 release. For gene/protein entries, unique ids (systematic names) are used.

Usage

```
data(ArabidopsisBioGRIDInteractionUniqueId)
```

Format

The format is: List of 2106 A list containing the interactions. For each gene/protein, there is an entry in the list with "name" containing name of the gene/protein and "interactors" containing the list of genes/proteins interacting with it. example: \$:List of 2 ..\$ name : chr "At4g00020" ..\$ interactors: chr [1:12] "At5g20850" "At3g22880" "At3g22880" "At5g20850" ...

Source

<http://thebiogrid.org/download.php>

References

Stark C, Breitkreutz BJ, Reguly T, Boucher L, Breitkreutz A, Tyers M. *Biogrid: A General Repository for Interaction Datasets*. Nucleic Acids Res. Jan1; 34:D535-9

Examples

```
data(ArabidopsisBioGRIDInteractionUniqueId)
ArabidopsisBioGRIDInteractionUniqueId
```

C.ElegansBioGRIDInteractionEntrezId

BioGRID interactions for C.elegans (Caenorhabditis elegans), entrez ids are used as identifiers

Description

This data set contains a list of interactions for C.elegans (Caenorhabditis elegans). The interactions are taken from BioGRID version 3.1.72, January 2011 release. For gene/protein entries, Entrez ids are used.

Usage

```
data(C.ElegansBioGRIDInteractionEntrezId)
```

Format

The format is: List of 3573 A list containing the interactions. For each gene/protein, there is an entry in the list with "name" containing name of the gene/protein and "interactors" containing the list of genes/proteins interacting with it. example: \$:List of 2 ..\$ name : int 177286 ..\$ interactors: int [1:4] 179791 178104 180982 178104

Source

<http://thebiogrid.org/download.php>

References

Stark C, Breitkreutz BJ, Reguly T, Boucher L, Breitkreutz A, Tyers M. *Biogrid: A General Repository for Interaction Datasets*. Nucleic Acids Res. Jan1; 34:D535-9

Examples

```
data(C.ElegansBioGRIDInteractionEntrezId)
C.ElegansBioGRIDInteractionEntrezId
```

C.ElegansBioGRIDInteractionOfficial

BioGRID interactions for C.elegans (Caenorhabditis elegans), official names are used as identifiers

Description

This data set contains a list of interactions for C.elegans (Caenorhabditis elegans). The interactions are taken from BioGRID version 3.1.72, January 2011 release. For gene/protein entries, official names are used.

Usage

```
data(C.ElegansBioGRIDInteractionOfficial)
```

Format

The format is: List of 3557 A list containing the interactions. For each gene/protein, there is an entry in the list with "name" containing name of the gene/protein and "interactors" containing the list of genes/proteins interacting with it. example: \$:List of 2 ..\$ name : chr "soc-2" ..\$ interactors: chr [1:4] "W07G4.5" "let-60" "bar-1" "let-60"

Source

<http://thebiogrid.org/download.php>

References

Stark C, Breitkreutz BJ, Reguly T, Boucher L, Breitkreutz A, Tyers M. *Biogrid: A General Repository for Interaction Datasets*. Nucleic Acids Res. Jan1; 34:D535-9

Examples

```
data(C.ElegansBioGRIDInteractionOfficial)
C.ElegansBioGRIDInteractionOfficial
```

C.ElegansBioGRIDInteractionUniqueId

BioGRID interactions for C.elegans (Caenorhabditis elegans), unique ids are used as identifiers

Description

This data set contains a list of interactions for C.elegans (Caenorhabditis elegans). The interactions are taken from BioGRID version 3.1.72, January 2011 release. For gene/protein entries, unique ids(systematic names) are used.

Usage

```
data(C.ElegansBioGRIDInteractionUniqueId)
```

Format

The format is: List of 3571 A list containing the interactions. For each gene/protein, there is an entry in the list with "name" containing name of the gene/protein and "interactors" containing the list of genes/proteins interacting with it. example: \$:List of 2 ..\$ name : chr "AC7.2" ..\$ interactors: chr [1:4] "W07G4.5" "ZK792.6" "C54D1.6" "ZK792.6"

Source

<http://thebiogrid.org/download.php>

References

Stark C, Breitkreutz BJ, Reguly T, Boucher L, Breitkreutz A, Tyers M. *Biogrid: A General Repository for Interaction Datasets*. Nucleic Acids Res. Jan1; 34:D535-9

Examples

```
data(C.ElegansBioGRIDInteractionUniqueId)
C.ElegansBioGRIDInteractionUniqueId
```

findInteractionList *Find BioGRID interaction list for a given organism an identifier type*

Description

Find BioGRID interaction list for a given organism an identifier type

Usage

```
findInteractionList(organism, idType)
```

Arguments

- organism Organism name. Can be one of 'arabidopsis', 'c.elegans', 'fruitFly', 'human', 'mouse', 'yeast', 's.pombe'.
- idType Type of identifier used. Can be one of 'EntrezId', 'Official' and 'UniqueId'

Value

List containing the interactions. For each gene/protein, there is an entry in the list with "name" containing name of the gen/protein and "interactors" containing the list of genes/proteins interacting with it.

Examples

```
findInteractionList("arabidopsis", "EntrezId")
```

FruitFlyBioGRIDInteractionEntrezId

BioGRID interactions for Fruit fly (Drosophila melanogaster), entrez ids are used as identifiers

Description

This data set contains a list of interactions for Fruit fly (*Drosophila melanogaster*) The interactions are taken from BioGRID version 3.1.72, January 2011 release. For gene/protein entries, Entrez ids are used.

Usage

```
data(FruitFlyBioGRIDInteractionEntrezId)
```

Format

The format is: A list containing the interactions. For each gene/protein, there is an entry in the list with "name" containing name of the gene/protein and "interactors" containing the list of genes/proteins interacting with it. example: List of 7578 \$:List of 2 ..\$ name : int 43383 ..\$ interactors: int [1:18] 37006 40877 46391 32132 43584 3355072 39452 40887 40889 47186 ...

Source

<http://thebiogrid.org/download.php>

References

Stark C, Breitkreutz BJ, Reguly T, Boucher L, Breitkreutz A, Tyers M. *Biogrid: A General Repository for Interaction Datasets*. Nucleic Acids Res. Jan1; 34:D535-9

Examples

```
data(FruitFlyBioGRIDInteractionEntrezId)
FruitFlyBioGRIDInteractionEntrezId
```

FruitFlyBioGRIDInteractionOfficial

BioGRID interactions for Fruit fly (Drosophila melanogaster), official names are used as identifiers

Description

This data set contains a list of interactions for Fruit fly (*Drosophila melanogaster*) The interactions are taken from BioGRID version 3.1.72, January 2011 release. For gene/protein entries, official names are used.

Usage

```
data(FruitFlyBioGRIDInteractionOfficial)
```

Format

The format is: List of 7577 A list containing the interactions. For each gene/protein, there is an entry in the list with "name" containing name of the gene/protein and "interactors" containing the list of genes/proteins interacting with it. example: \$:List of 2 ..\$ name : chr "fkh" ..\$ interactors: chr [1:18] "CG6459" "CG10032" "CG11899" "CkIIbeta" ...

Source

<http://thebiogrid.org/download.php>

References

Stark C, Breitkreutz BJ, Reguly T, Boucher L, Breitkreutz A, Tyers M. *Biogrid: A General Repository for Interaction Datasets*. Nucleic Acids Res. Jan1; 34:D535-9

Examples

```
data(FruitFlyBioGRIDInteractionOfficial)
FruitFlyBioGRIDInteractionOfficial
```

FruitFlyBioGRIDInteractionUniqueId

BioGRID interactions for Fruit fly (Drosophila melanogaster), unique ids (systematic names) are used as identifiers

Description

This data set contains a list of interactions for Fruit fly (*Drosophila melanogaster*) The interactions are taken from BioGRID version 3.1.72, January 2011 release. For gene/protein entries, unique ids (systematic names) are used.

Usage

```
data(FruitFlyBioGRIDInteractionUniqueId)
```

Format

The format is: A list containing the interactions. For each gene/protein, there is an entry in the list with "name" containing name of the gene/protein and "interactors" containing the list of genes/proteins interacting with it. example: List of 7563 \$:List of 2 ..\$ name : chr "Dmel_CG10002" ..\$ interactors: chr [1:18] "Dmel_CG6459" "Dmel_CG10032" "Dmel_CG11899" "Dmel_CG15224" ...

Source

<http://thebiogrid.org/download.php>

References

Stark C, Breitkreutz BJ, Reguly T, Boucher L, Breitkreutz A, Tyers M. *Biogrid: A General Repository for Interaction Datasets*. Nucleic Acids Res. Jan1; 34:D535-9

Examples

```
data(FruitFlyBioGRIDInteractionUniqueId)
FruitFlyBioGRIDInteractionUniqueId
```

HumanBioGRIDInteractionEntrezId

BioGRID interactions for human (Homo sapiens), entrez ids are used as identifiers

Description

This data set contains a list of interactions for human (*Homo sapiens*). The interactions are taken from BioGRID version 3.1.72, January 2011 release. For gene/protein entries, Entrez ids are used.

Usage

```
data(HumanBioGRIDInteractionEntrezId)
```

Format

The format is: A list containing the interactions. For each gene/protein, there is an entry in the list with "name" containing name of the gene/protein and "interactors" containing the list of genes/proteins interacting with it. example: List of 10213 \$:List of 2 ..\$ name : int 6416 ..\$ interactors: int [1:25] 2318 192176 2318 2318 9043 5599 5871 5609 1326 207 ...

Source

<http://thebiogrid.org/download.php>

References

Stark C, Breitkreutz BJ, Reguly T, Boucher L, Breitkreutz A, Tyers M. *Biogrid: A General Repository for Interaction Datasets*. Nucleic Acids Res. Jan1; 34:D535-9

Examples

```
data(HumanBioGRIDInteractionEntrezId)
HumanBioGRIDInteractionEntrezId
```

HumanBioGRIDInteractionOfficial

BioGRID interactions for human (Homo sapiens), official names are used as identifiers

Description

This data set contains a list of interactions for human (Homo sapiens). The interactions are taken from BioGRID version 3.1.72, January 2011 release. For gene/protein entries, official names ids are used.

Usage

```
data(HumanBioGRIDInteractionOfficial)
```

Format

The format is: A list containing the interactions. For each gene/protein, there is an entry in the list with "name" containing name of the gene/protein and "interactors" containing the list of genes/proteins interacting with it. example: List of 10098 \$:List of 2 ..\$ name : chr "MAP2K4" ..\$ interactors: chr [1:25] "FLNC" "Flna" "FLNC" "FLNC" ...

Source

<http://thebiogrid.org/download.php>

References

Stark C, Breitkreutz BJ, Reguly T, Boucher L, Breitkreutz A, Tyers M. *Biogrid: A General Repository for Interaction Datasets*. Nucleic Acids Res. Jan1; 34:D535-9

Examples

```
data(HumanBioGRIDInteractionOfficial)
HumanBioGRIDInteractionOfficial
```

HumanBioGRIDInteractionUniqueId

BioGRID interactions for human (Homo sapiens), unique ids (systematic names) are used as identifiers

Description

This data set contains a list of interactions for human (Homo sapiens). The interactions are taken from BioGRID version 3.1.72, January 2011 release. For gene/protein entries, unique ids (systematic names) are used.

Usage

```
data(HumanBioGRIDInteractionUniqueId)
```

Format

The format is: List of 2785 A list containing the interactions. For each gene/protein, there is an entry in the list with "name" containing name of the gene/protein and "interactors" containing the list of genes/proteins interacting with it. example: \$:List of 2 ..\$ name : chr "-" ..\$ interactors: chr "_"

Source

<http://thebiogrid.org/download.php>

References

Stark C, Breitkreutz BJ, Reguly T, Boucher L, Breitkreutz A, Tyers M. *Biogrid: A General Repository for Interaction Datasets*. Nucleic Acids Res. Jan1; 34:D535-9

Examples

```
data(HumanBioGRIDInteractionUniqueId)
HumanBioGRIDInteractionUniqueId
```

MouseBioGRIDInteractionEntrezId

BioGRID interactions for Mouse (Mus musculus), entrez ids are used as identifiers

Description

This data set contains a list of interactions for Mouse (*Mus musculus*). The interactions are taken from BioGRID version 3.1.72, January 2011 release. For gene/protein entries, Entrez ids are used.

Usage

```
data(MouseBioGRIDInteractionEntrezId)
```

Format

The format is: A list containing the interactions. For each gene/protein, there is an entry in the list with "name" containing name of the gene/protein and "interactors" containing the list of genes/proteins interacting with it. example: List of 2361 \$:List of 2 ..\$ name : int 4087 ..\$ interactors: int [1:28] 75141 19376 69159 72433 69288 54126 78294 57443 18412 52432 ...

Source

<http://thebiogrid.org/download.php>

References

Stark C, Breitkreutz BJ, Reguly T, Boucher L, Breitkreutz A, Tyers M. *Biogrid: A General Repository for Interaction Datasets*. Nucleic Acids Res. Jan1; 34:D535-9

Examples

```
data(MouseBioGRIDInteractionEntrezId)
MouseBioGRIDInteractionEntrezId
```

MouseBioGRIDInteractionOfficial

BioGRID interactions for Mouse (Mus musculus), official names ids are used as identifiers

Description

This data set contains a list of interactions for Mouse (*Mus musculus*). The interactions are taken from BioGRID version 3.1.72, January 2011 release. For gene/protein entries, official names are used.

Usage

```
data(MouseBioGRIDInteractionOfficial)
```

Format

The format is: A list containing the interactions. For each gene/protein, there is an entry in the list with "name" containing name of the gene/protein and "interactors" containing the list of genes/proteins interacting with it. example: List of 2354 \$:List of 2 ..\$ name : chr "SMAD2" ..\$ interactors: chr [1:28] "Rasd2" "Rab34" "Rheb11" "Rab38" ...

Source

<http://thebiogrid.org/download.php>

References

Stark C, Breitkreutz BJ, Reguly T, Boucher L, Breitkreutz A, Tyers M. *Biogrid: A General Repository for Interaction Datasets*. Nucleic Acids Res. Jan1; 34:D535-9

Examples

```
data(MouseBioGRIDInteractionOfficial)
MouseBioGRIDInteractionOfficial
```

MouseBioGRIDInteractionUniqueId

BioGRID interactions for Mouse (Mus musculus), unique ids (systematic names) are used as identifiers

Description

This data set contains a list of interactions for Mouse (*Mus musculus*). The interactions are taken from BioGRID version 3.1.72, January 2011 release. For gene/protein entries, Entrez ids are used.

Usage

```
data(MouseBioGRIDInteractionUniqueId)
```

Format

The format is: A list containing the interactions. For each gene/protein, there is an entry in the list with "name" containing name of the gene/protein and "interactors" containing the list of genes/proteins interacting with it. example:

List of 648 \$:List of 2 ..\$ name : chr "-" ..\$ interactors: chr "-"

Source

<http://thebiogrid.org/download.php>

References

Stark C, Breitkreutz BJ, Reguly T, Boucher L, Breitkreutz A, Tyers M. *Biogrid: A General Repository for Interaction Datasets*. Nucleic Acids Res. Jan1; 34:D535-9

Examples

```
data(MouseBioGRIDInteractionUniqueId)
MouseBioGRIDInteractionUniqueId
```

S.PombeBioGRIDInteractionEntrezId

*BioGRID interactions for fission yeast (Schizosaccharomyces pombe),
entrez ids are used as identifiers*

Description

This data set contains a list of interactions for fission yeast (*Schizosaccharomyces pombe*). The interactions are taken from BioGRID version 3.1.72, January 2011 release. For gene/protein entries, Entrez ids are used.

Usage

```
data(S.PombeBioGRIDInteractionEntrezId)
```

Format

The format is: A list containing the interactions. For each gene/protein, there is an entry in the list with "name" containing name of the gene/protein and "interactors" containing the list of genes/proteins interacting with it. example: List of 2110 \$:List of 2 ..\$ name : int 2539495 ..\$ interactors: int [1:10] 2541652 2542008 2539252 2541055 2542677 2543539 2541652 2540024 2539649 2542008

Source

<http://thebiogrid.org/download.php>

References

Stark C, Breitkreutz BJ, Reguly T, Boucher L, Breitkreutz A, Tyers M. *Biogrid: A General Repository for Interaction Datasets*. Nucleic Acids Res. Jan1; 34:D535-9

Examples

```
data(S.PombeBioGRIDInteractionEntrezId)
S.PombeBioGRIDInteractionEntrezId
```

S.PombeBioGRIDInteractionOfficial

*BioGRID interactions for fission yeast (Schizosaccharomyces pombe),
official names are used as identifiers*

Description

This data set contains a list of interactions for fission yeast (*Schizosaccharomyces pombe*). The interactions are taken from BioGRID version 3.1.72, January 2011 release. For gene/protein entries, official names are used.

Usage

```
data(S.PombeBioGRIDInteractionOfficial)
```

Format

The format is: A list containing the interactions. For each gene/protein, there is an entry in the list with "name" containing name of the gene/protein and "interactors" containing the list of genes/proteins interacting with it. example: List of 2110 \$:List of 2 ..\$ name : chr "ptc1" ..\$ interactors: chr [1:10] "sty1" "ptc3" "ptc2" "wis1" ...

Source

<http://thebiogrid.org/download.php>

References

Stark C, Breitkreutz BJ, Reguly T, Boucher L, Breitkreutz A, Tyers M. *Biogrid: A General Repository for Interaction Datasets*. Nucleic Acids Res. Jan1; 34:D535-9

Examples

```
data(S.PombeBioGRIDInteractionOfficial)
S.PombeBioGRIDInteractionOfficial
```

S.PombeBioGRIDInteractionUniqueId

*BioGRID interactions for fission yeast (Schizosaccharomyces pombe),
unique ids (systematic names) are used as identifiers*

Description

This data set contains a list of interactions for fission yeast (*Schizosaccharomyces pombe*). The interactions are taken from BioGRID version 3.1.72, January 2011 release. For gene/protein entries, unique ids (systematic names) are used.

Usage

```
data(S.PombeBioGRIDInteractionUniqueId)
```

Format

The format is: A list containing the interactions. For each gene/protein, there is an entry in the list with "name" containing name of the gene/protein and "interactors" containing the list of genes/proteins interacting with it. example: List of 2097 \$:List of 2 ..\$ name : chr "SPCC4F11.02" ..\$ interactors: chr [1:10] "SPAC24B11.06c" "SPAC2G11.07c" "SPCC1223.11" "SPBC409.07c" ...

Source

<http://thebiogrid.org/download.php>

References

Stark C, Breitkreutz BJ, Reguly T, Boucher L, Breitkreutz A, Tyers M. *Biogrid: A General Repository for Interaction Datasets*. *Nucleic Acids Res*. Jan1; 34:D535-9

Examples

```
data(S.PombeBioGRIDInteractionUniqueId)
S.PombeBioGRIDInteractionUniqueId
```

YeastBioGRIDInteractionEntrezId

*BioGRID interactions for budding yeast (Saccharomyces cerevisiae),
entrez ids are used as identifiers*

Description

This data set contains a list of interactions for budding yeast (*Saccharomyces cerevisiae*). The interactions are taken from BioGRID version 3.1.72, January 2011 release. For gene/protein entries, Entrez ids are used.

Usage

```
data(YeastBioGRIDInteractionEntrezId)
```

Format

The format is: A list containing the interactions. For each gene/protein, there is an entry in the list with "name" containing name of the gene/protein and "interactors" containing the list of genes/proteins interacting with it. example: List of 6049 \$:List of 2 ..\$ name : int 850504 ..\$ interactors: int [1:887] 852545 853814 856220 853086 850749 853986 856848 851407 856518 854317 ...

Source

<http://thebiogrid.org/download.php>

References

Stark C, Breitkreutz BJ, Reguly T, Boucher L, Breitkreutz A, Tyers M. *Biogrid: A General Repository for Interaction Datasets*. Nucleic Acids Res. Jan1; 34:D535-9

Examples

```
data(YeastBioGRIDInteractionEntrezId)
YeastBioGRIDInteractionEntrezId
```

YeastBioGRIDInteractionOfficial

*BioGRID interactions for budding yeast (Saccharomyces cerevisiae),
official names are used as identifiers*

Description

This data set contains a list of interactions for budding yeast (*Saccharomyces cerevisiae*). The interactions are taken from BioGRID version 3.1.72, January 2011 release. For gene/protein entries, Entrez ids are used.

Usage

```
data(YeastBioGRIDInteractionOfficial)
```

Format

The format is: A list containing the interactions. For each gene/protein, there is an entry in the list with "name" containing name of the gene/protein and "interactors" containing the list of genes/proteins interacting with it. example: List of 6032 \$:List of 2 ..\$ name : chr "ACT1" ..\$ interactors: chr [1:887] "ALG7" "ASK1" "COG4" "ERG1" ...

Source

<http://thebiogrid.org/download.php>

References

Stark C, Breitkreutz BJ, Reguly T, Boucher L, Breitkreutz A, Tyers M. *Biogrid: A General Repository for Interaction Datasets*. Nucleic Acids Res. Jan1; 34:D535-9

Examples

```
data(YeastBioGRIDInteractionOfficial)
YeastBioGRIDInteractionOfficial
```

YeastBioGRIDInteractionUniqueId

*BioGRID interactions for budding yeast (Saccharomyces cerevisiae),
unique ids (systematic names) are used as identifiers*

Description

This data set contains a list of interactions for budding yeast (*Saccharomyces cerevisiae*). The interactions are taken from BioGRID version 3.1.72, January 2011 release. For gene/protein entries, unique ids (systematic names) are used.

Usage

```
data(YeastBioGRIDInteractionUniqueId)
```

Format

The format is: A list containing the interactions. For each gene/protein, there is an entry in the list with "name" containing name of the gene/protein and "interactors" containing the list of genes/proteins interacting with it. example: List of 5931 \$:List of 2 ..\$ name : chr "YFL039C" ..\$ interactors: chr [1:887] "YBR243C" "YKL052C" "YPR105C" "YGR175C" ...

Source

<http://thebiogrid.org/download.php>

References

Stark C, Breitkreutz BJ, Reguly T, Boucher L, Breitkreutz A, Tyers M. *Biogrid: A General Repository for Interaction Datasets*. *Nucleic Acids Res.* Jan1; 34:D535-9

Examples

```
data(YeastBioGRIDInteractionUniqueId)  
YeastBioGRIDInteractionUniqueId
```

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