

# Package ‘simpIntLists’

September 23, 2012

**Type** Package

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

**Version** 0.99.2

**Date** 2011-03-05

**Author** Kircicegi Korkmaz, Volkan Atalay, Rengul Cetin-Atalay

**Maintainer** Kircicegi Korkmaz <e102771@ceeng.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)

**LazyLoad** yes

**biocViews** ExperimentData

## R topics documented:

simpIntLists-package . . . . .	2
ArabidopsisBioGRIDInteractionEntrezId . . . . .	3
ArabidopsisBioGRIDInteractionOfficial . . . . .	3
ArabidopsisBioGRIDInteractionUniqueId . . . . .	4
C.ElegansBioGRIDInteractionEntrezId . . . . .	5
C.ElegansBioGRIDInteractionOfficial . . . . .	6
C.ElegansBioGRIDInteractionUniqueId . . . . .	6
findInteractionList . . . . .	7
FruitFlyBioGRIDInteractionEntrezId . . . . .	8
FruitFlyBioGRIDInteractionOfficial . . . . .	8
FruitFlyBioGRIDInteractionUniqueId . . . . .	9
HumanBioGRIDInteractionEntrezId . . . . .	10
HumanBioGRIDInteractionOfficial . . . . .	11

HumanBioGRIDInteractionUniqueId . . . . .	11
MouseBioGRIDInteractionEntrezId . . . . .	12
MouseBioGRIDInteractionOfficial . . . . .	13
MouseBioGRIDInteractionUniqueId . . . . .	13
S.PombeBioGRIDInteractionEntrezId . . . . .	14
S.PombeBioGRIDInteractionOfficial . . . . .	15
S.PombeBioGRIDInteractionUniqueId . . . . .	16
YeastBioGRIDInteractionEntrezId . . . . .	16
YeastBioGRIDInteractionOfficial . . . . .	17
YeastBioGRIDInteractionUniqueId . . . . .	18

## Index 19

---

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

Package:	simpIntLists
Type:	Package
Version:	1.0
Date:	2011-01-18
License:	GPL version 2 or newer
LazyLoad:	yes

### 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" "Rhebl1" "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
```

# Index

## \*Topic **datasets**

ArabidopsisBioGRIDInteractionEntrezId,  
[3](#)  
ArabidopsisBioGRIDInteractionOfficial,  
[3](#)  
ArabidopsisBioGRIDInteractionUniqueId,  
[4](#)  
C.ElegansBioGRIDInteractionEntrezId,  
[5](#)  
C.ElegansBioGRIDInteractionOfficial,  
[6](#)  
C.ElegansBioGRIDInteractionUniqueId,  
[6](#)  
FruitFlyBioGRIDInteractionEntrezId,  
[8](#)  
FruitFlyBioGRIDInteractionOfficial,  
[8](#)  
FruitFlyBioGRIDInteractionUniqueId,  
[9](#)  
HumanBioGRIDInteractionEntrezId,  
[10](#)  
HumanBioGRIDInteractionOfficial,  
[11](#)  
HumanBioGRIDInteractionUniqueId,  
[11](#)  
MouseBioGRIDInteractionEntrezId,  
[12](#)  
MouseBioGRIDInteractionOfficial,  
[13](#)  
MouseBioGRIDInteractionUniqueId,  
[13](#)  
S.PombeBioGRIDInteractionEntrezId,  
[14](#)  
S.PombeBioGRIDInteractionOfficial,  
[15](#)  
S.PombeBioGRIDInteractionUniqueId,  
[16](#)  
YeastBioGRIDInteractionEntrezId,  
[16](#)  
YeastBioGRIDInteractionOfficial,  
[17](#)  
YeastBioGRIDInteractionUniqueId,  
[18](#)

## \*Topic **file**

[findInteractionList, 7](#)

## \*Topic **package**

[simpIntLists-package, 2](#)

ArabidopsisBioGRIDInteractionEntrezId,  
[3](#)  
ArabidopsisBioGRIDInteractionOfficial,  
[3](#)  
ArabidopsisBioGRIDInteractionUniqueId,  
[4](#)  
C.ElegansBioGRIDInteractionEntrezId, [5](#)  
C.ElegansBioGRIDInteractionOfficial, [6](#)  
C.ElegansBioGRIDInteractionUniqueId, [6](#)

[findInteractionList, 7](#)

FruitFlyBioGRIDInteractionEntrezId, [8](#)  
FruitFlyBioGRIDInteractionOfficial, [8](#)  
FruitFlyBioGRIDInteractionUniqueId, [9](#)

HumanBioGRIDInteractionEntrezId, [10](#)  
HumanBioGRIDInteractionOfficial, [11](#)  
HumanBioGRIDInteractionUniqueId, [11](#)

MouseBioGRIDInteractionEntrezId, [12](#)  
MouseBioGRIDInteractionOfficial, [13](#)  
MouseBioGRIDInteractionUniqueId, [13](#)

S.PombeBioGRIDInteractionEntrezId, [14](#)  
S.PombeBioGRIDInteractionOfficial, [15](#)  
S.PombeBioGRIDInteractionUniqueId, [16](#)  
[simpIntLists \(simpIntLists-package\), 2](#)  
[simpIntLists-package, 2](#)

YeastBioGRIDInteractionEntrezId, [16](#)  
YeastBioGRIDInteractionOfficial, [17](#)  
YeastBioGRIDInteractionUniqueId, [18](#)