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)

LazyLoad yes

biocViews ExperimentData, Arabidopsis_thaliana_Data

NeedsCompilation no

R topics documented:

`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.EleganBioGRIDInteractionEntrezId

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.EleganBioGRIDInteractionEntrezId)
```

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.EleganBioGRIDInteractionEntrezId)
C.EleganBioGRIDInteractionEntrezId
```

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
```

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