

dRDataLoader

June 10, 2015

dRDataLoader

Function to load dnet built-in RData

Description

dRDataLoader is supposed to load dnet built-in RData.

Usage

```
dRDataLoader(RData = c("eTOL", "Ancestral_domainome", "CLL",  
"Hiratani_TableS1", "TCGA_mutations", "org.Gg.string", "org.Gg.egPS",  
"org.Gg.egGOBP", "org.Gg.egGOCC", "org.Gg.egSF", "org.Gg.eg",  
"org.Gg.egGOMF",  
"org.Rn.egGOCC", "org.Rn.egGOMF", "org.Rn.egSF", "org.Rn.string",  
"org.Rn.egPS", "org.Rn.eg", "org.Rn.egGOBP", "org.Mm.egHPMI",  
"org.Mm.eg",  
"org.Mm.egGOCC", "org.Mm.string", "org.Mm.egGOBP", "org.Mm.egGOMF",  
"org.Mm.egHPPA", "org.Mm.egSF", "org.Mm.egMP", "org.Mm.egHPON",  
"org.Mm.egPS",  
"org.Mm.egDO", "ig.MP", "ig.GOBP", "ig.DO", "ig.HPON", "ig.HPPA",  
"ig.GOCC", "ig.GOMF", "ig.HPMI", "org.Ce.egPS", "org.Ce.egGOMF",  
"org.Ce.egGOCC", "org.Ce.egGOBP", "org.Ce.eg", "org.Ce.string",  
"org.Ce.egSF",  
"org.Hs.egMsigdbC5MF", "org.Hs.egMsigdbC1", "org.Hs.egMsigdbC3TFT",  
"org.Hs.egMsigdbC3MIR", "org.Hs.egMsigdbC2REACTOME",  
"org.Hs.egMsigdbC7",  
"org.Hs.egMsigdbC5BP", "org.Hs.egMsigdbC6", "org.Hs.egMsigdbC2KEGG",  
"org.Hs.egMsigdbC2CP", "org.Hs.egMsigdbC5CC", "org.Hs.egMsigdbC4CGN",  
"org.Hs.egMsigdbC4CM", "org.Hs.egMsigdbC2BIOCARTA",  
"org.Hs.egMsigdbC2CGP", "org.At.egSF", "org.At.eg", "org.At.egPS",  
"org.At.egGOBP", "org.At.egGOMF", "org.At.string", "org.At.egGOCC",  
"org.Da.egGOBP", "org.Da.egSF", "org.Da.eg", "org.Da.egPS",  
"org.Da.string",  
"org.Da.egGOMF", "org.Da.egGOCC", "org.Dm.egPS", "org.Dm.egGOBP",  
"org.Dm.egSF", "org.Dm.eg", "org.Dm.string", "org.Dm.egGOCC",  
"org.Dm.egGOMF",  
"org.Hs.eg", "org.Hs.egMP", "org.Hs.egDGIdb", "org.Hs.egHPPA",  
"org.Hs.egSF",
```

```
"org.Hs.egGOCC", "org.Hs.string", "org.Hs.egGOBP", "org.Hs.egGOMF",
"org.Hs.egHPMI", "org.Hs.egDO", "org.Hs.egHPON", "org.Hs.egPS"),
RData.location = "http://supfam.org/dnet/data")
```

Arguments

RData

which built-in RData to load. It can be one of 'eTOL', 'Ancestral_domainome', 'CLL', 'Hiratani_TableS1', 'TCGA_mutations', 'org.Gg.string', 'org.Gg.egPS', 'org.Gg.egGOBP', 'org.Gg.egGOCC', 'org.Gg.egSF', 'org.Gg.eg', 'org.Gg.egGOMF', 'org.Rn.egGOCC', 'org.Rn.egGOMF', 'org.Rn.egSF', 'org.Rn.string', 'org.Rn.egPS', 'org.Rn.eg', 'org.Rn.egGOBP', 'org.Mm.egHPMI', 'org.Mm.eg', 'org.Mm.egGOCC', 'org.Mm.string', 'org.Mm.egGOBP', 'org.Mm.egGOMF', 'org.Mm.egHPPA', 'org.Mm.egSF', 'org.Mm.egMP', 'org.Mm.egHPON', 'org.Mm.egPS', 'org.Mm.egDO', 'ig.MP', 'ig.GOBP', 'ig.DO', 'ig.HPON', 'ig.HPPA', 'ig.GOCC', 'ig.GOMF', 'ig.HPMI', 'org.Ce.egPS', 'org.Ce.egGOMF', 'org.Ce.egGOCC', 'org.Ce.egGOBP', 'org.Ce.eg', 'org.Ce.string', 'org.Ce.egSF', 'org.Hs.egMsigdbC5MF', 'org.Hs.egMsigdbC1', 'org.Hs.egMsigdbC3TFT', 'org.Hs.egMsigdbC3MIR', 'org.Hs.egMsigdbC2REACTOME', 'org.Hs.egMsigdbC7', 'org.Hs.egMsigdbC5BP', 'org.Hs.egMsigdbC6', 'org.Hs.egMsigdbC2KEGG', 'org.Hs.egMsigdbC2CP', 'org.Hs.egMsigdbC5CC', 'org.Hs.egMsigdbC4CGN', 'org.Hs.egMsigdbC4CM', 'org.Hs.egMsigdbC2BIOCARTA', 'org.Hs.egMsigdbC2CGP', 'org.At.egSF', 'org.At.eg', 'org.At.egPS', 'org.At.egGOBP', 'org.At.egGOMF', 'org.At.string', 'org.At.egGOCC', 'org.Da.egGOBP', 'org.Da.egSF', 'org.Da.eg', 'org.Da.egPS', 'org.Da.string', 'org.Da.egGOMF', 'org.Da.egGOCC', 'org.Dm.egPS', 'org.Dm.egGOBP', 'org.Dm.egSF', 'org.Dm.eg', 'org.Dm.string', 'org.Dm.egGOCC', 'org.Dm.egGOMF', 'org.Hs.eg', 'org.Hs.egMP', 'org.Hs.egDGIdb', 'org.Hs.egHPPA', 'org.Hs.egSF', 'org.Hs.egGOCC', 'org.Hs.string', 'org.Hs.egGOBP', 'org.Hs.egGOMF', 'org.Hs.egHPMI', 'org.Hs.egDO', 'org.Hs.egHPON', 'org.Hs.egPS'. On the meanings, please refer to the Documentations

RData.location the characters to tell the location of built-in RData files. By default, it remotely locates at <http://supfam.org/dnet/data> or <http://dnet.r-forge.r-project.org/data>. For the user equipped with fast internet connection, this option can be just left as default. But it is always advisable to download these files locally. Especially when the user needs to run this function many times, there is no need to ask the function to remotely download every time (also it will unnecessarily increase the runtime). For examples, these files (as a whole or part of them) can be first downloaded into your current working directory, and then set this option as: `RData.location = "."`. Surely, the location can be anywhere as long as the user provides the correct path pointing to (otherwise, the script will have to remotely download each time). Here is the UNIX command for downloading all RData files (preserving the directory structure):
`wget -r -l2 -A" * .RData" -np -nH -cut -dirs = 0" http :
//dnet.r-forge.r-project.org/data"`

Value

any use-specified variable that is given on the right side of the assignment sign '<-', which contains the loaded RData.

Note

If there are no use-specified variable that is given on the right side of the assignment sign '<-', then no RData will be loaded onto the working environment.

See Also[dRDataLoader](#)**Examples**

```
org.Hs.egSF <- dRDataLoader(RData=org.Hs.egSF)
org.Hs.eg <- dRDataLoader(RData=org.Hs.eg)
org.Hs.egDGIdb <- dRDataLoader(RData=org.Hs.egDGIdb)
org.Hs.egMsigdbC2KEGG <- dRDataLoader(RData=org.Hs.egMsigdbC2KEGG)
ig.MP <- dRDataLoader(RData=ig.MP)
```