

geneplast.data

June 11, 2025

<code>make.cogdata</code>	<i>Parse orthogroups tabular output from OrthoFinder into a ‘cogdata’ data frame for geneplast</i>
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Description

Parse orthogroups tabular output from OrthoFinder into a ‘cogdata’ data frame for geneplast

Usage

```
make.cogdata(file)
```

Arguments

<code>file</code>	OrthoFinder orthogroups tabular file
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Value

cogdata data frame

Author(s)

Leonardo RS Campos

make.phyloTree	<i>Build a 'phyloTree' object for geneplast</i>
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Description

This function has two optional arguments that define its behavior depending on which one is provided. Given a list of species' NCBI Taxonomy IDs, 'make.phyloTree()' builds a phylogenetic tree by merging the TimeTree and NCBI Taxonomy databases. If given a newick file, it simply forwards the argument to [treeio::read.newick()].

Usage

```
make.phyloTree(sspids = NULL, newick = NULL, verbose = TRUE)
```

Arguments

sspids	a vector or data frame containing NCBI Taxon IDs from the species of interest.
newick	a phylogenetic tree in Newick format.
verbose	a logical value specifying whether or not to display detailed messages.

Value

An object of class "phylo".

Author(s)

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