

geneplast.data

November 6, 2025

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

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
-------------------	--------------------------------------

Value

cogdata data frame

Author(s)

Leonardo RS Campos

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

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)

Danilo O Imparato
Leonardo RS Campos

Index

`make.cogdata`, [1](#)
`make.phyloTree`, [1](#)