

# geneplast.data

September 18, 2024

---

<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

---

make.phyloTree      *Build a 'phyloTree' object for geneplast*

---

### 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`, [2](#)