Package 'CommT'

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Type Package

Title Evaluations of the community tree

Version 0.1

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Depends R (>= 3.0.0)

Imports ape (>= 3.1-4), ggplot2 (>= 1.0.0), gridExtra, phangorn, reshape

Description Evaluations of the community tree.

License GPL (>= 2)

OS_type unix

R topics documented:

CommT-package   *Evaluations of the community tree*

Description

CommT Placeholder Placeholder Placeholder.

Note

Placeholder

To use **CommT**, Placeholder Placeholder Placeholder:

```
echo 'alias python=python2.7' >> ~/.bashrc
```

Author(s)

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References

Gruenstaeudl, M., Reid, N.M., Wheeler, G.R. and Carstens, B.C., submitted. Posterior Predictive Checks of Coalescent Models: P2C2M, an R package.

Examples

```
# Load input data
  data(post_gt_distrs_BEAST)
  data(post_gt_distrs_starBEAST)

# Calculate KF distances
  in_data = CommT.kfdist(post_gt_distrs_BEAST, post_gt_distrs_starBEAST, outlier_num=1)

# Generate ANOVA legend
  in_legend = CommT.anova(in_data)

# Visualize KF distances
  my_plot = CommT.viz(in_data, in_legend, "test simulation")
```

CommT.kfdist   *calculate the tree distances*

Description

This function calculates the tree distances.

Usage

```
CommT.kfdist(post_gt_distrs_BEAST, post_gt_distrs_starBEAST,
            outlier_num = 1, treedist_select = 2)
```

Arguments

post_gt_distrs_BEAST
     Bla bla bla.
post_gt_distrs_starBEAST
     Bla bla bla.
outlier_num an integer. The default is 1.
treedist_select
     an integer. The default is 2.

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Checks of Coalescent Models: P2C2M, an R package.

Examples

```
# Load input data
  data(post_gt_distrs_BEAST)
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```

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post_gt_distrs_BEAST *Data set post_gt_distrs_BEAST*

Description

Posterior distribution of gene trees inferred via BEAST

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post_gt_distrs_starBEAST

Data set post_gt_distrs_starBEAST

Description

Posterior distribution of gene trees inferred via starBEAST

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