WeightTree: A program for weighting methods for phylogenetic tree reconstruction among multiple loci 6/6/2010

Users can set parameters of MisawaTajima by using command-line options.

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To conduct a phylogenetic tree by using sequences of multiple loci:
java -jar WeightTree.jar -m PO -u 0.5 -alpha 1.0 -l 100 -n 10 -t 10000 -r 10 -T A -d PO -o exact -w TATA
To reconstruct a phylogenetic tree by using sequences of multiple loci:
java -jar WeightTree.jar -f o list.txt -f c atp6.txt -f c atp8.txt -f c col.txt -w TATA -t 10000
Options:
-m mutation_pattern
   PO Poisson for Protein
   K2 Kimura's (1980) 2-parameter model for DNA
-u mutation_rate
-alpha gamma_shape_parameter
-1 gene_length
-n number_of_loci
-t number_of_trials
   number_of_bootstrap_resampling, when a phylogenetic tree is reconstructed
-T model_tree
   A an asymmetric tree
   B a symmetric tree
-d distance
  PO Poisson distance for protein sequence
  PG Poisson gamma distance for protein sequence
  K2 Kimura's 2 parameter distance for DNA sequence
  GP Goldstein and Pollock (1994) distance for DNA sequence
  TT Tajima and Takezaki (1994) distance for DNA sequence
-w weighting_method
  K or length: no weight
  L or LS: the least square method
  M or TATA: the new method
-i input
   list filename
                    list of OTUs
   fasta filename
                      sequence file in fasta format
   clustal filename sequence file in clustal format
-o output
```

exact count the number of exact match when simulation is conducted topology calculate the mean of toplogical distance when simulation is conducted sequence outputs concateneted sequences