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# MirrorTree Server

MTServer

Help

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## MirrorTree Server

### Welcome to MirrorTree Server

MirrorTree is a web server to produce phylogenetic trees based on sequence data. It uses a fast algorithm to generate the trees and it is designed to be used for large datasets. You can upload your data in different formats and the server will generate the trees for you.

From sequences - Standard Users

The option from sequences is the most complete. First, sequences in FASTA format are uploaded and then the algorithm will find the orthologs and align them to generate the phylogenetic tree. You will get a complete tree with all the information you need.

more info...

Protein 1

Sequence (FASTA format)

Protein 2

Sequence (FASTA format)

Job Submission

Job name

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## Results for Job: nuoE-nuoF

Job ID: 4b2229d278e3

Homologs selection: % identity ≥ 30%

Orthologs selection: % identity ≥ 30%

E-value

% gap

### Protein 1

Input file: input.txt  
Blast output: blastout.txt  
MSA (Fasta Format): msa.fasta  
Tree (Newick Format): tree.phb  
Tree (Phyloxml): tree.xml

### Protein 2

Input file: input.txt  
Blast output: blastout.txt  
MSA (Fasta Format): msa.fasta  
Tree (Newick Format): tree.phb  
Tree (Phyloxml): tree.xml

### MirrorTree

Compared trees (EPS): trees.eps  
Compared trees (SVG): trees.svg

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## MirrorTree Server UI

Plot

Protein Info

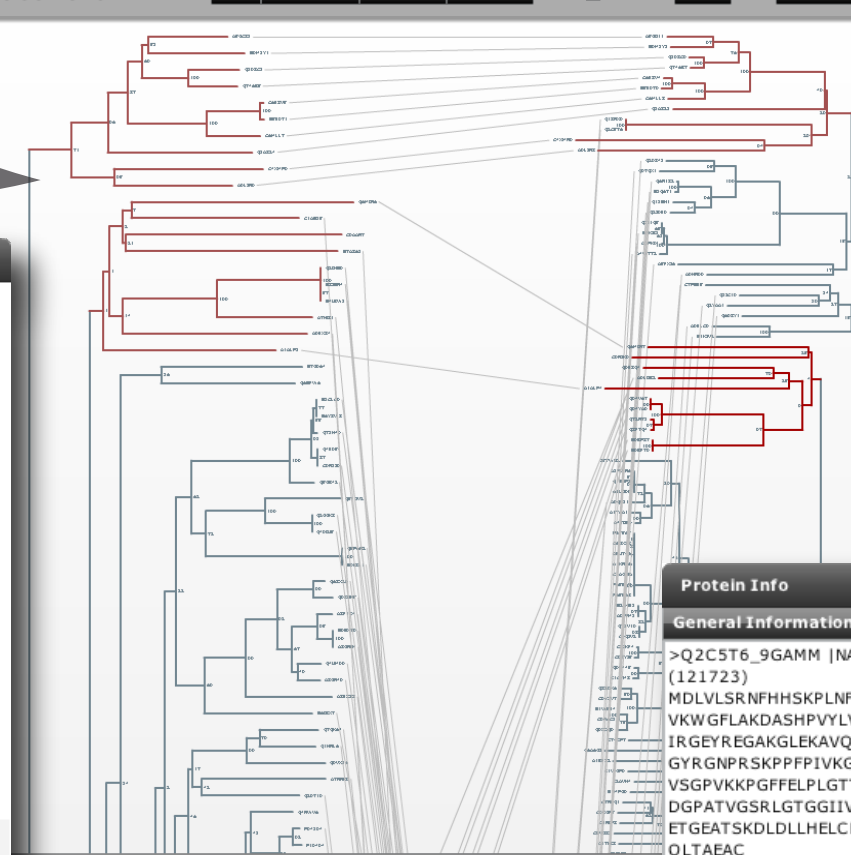
Taxonomy

MirrorTree

Bootstrap

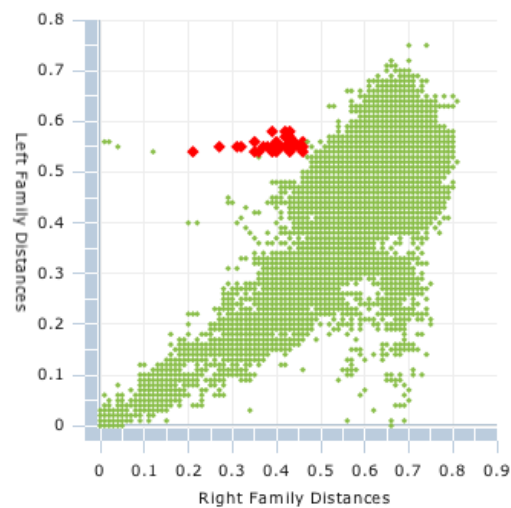
Swap

Export Selection



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## Interspecies Distances



Show

All

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## NCBI taxonomy tree (with Integr8 organisms)

Escherichia

Search

Escherichia

Escherichia coli

Escherichia fergusonii

Escherichia albertii

Klebsiella

Proteus

Providencia

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## Protein Info

### General Information (FASTA)

>Q2C5T6\_9GAMM [NADH dehydrogenase I, F subunit] Photobacterium sp. SKA34 (121723)  
MDLVLSRNFHHSKPLNFAEYCENGGYQSLNSIIGQPREPLAELKASGLRGCGGGGFTG  
VKWGFLAKDASHPVYLVNLDSEPGSFKDRQVLYRDPHTILEGVIASSYILGADKAFVF  
IRGEYREGAKGLEKAVQEARAAGLVGENVMGSGWDLDDVHLSAGRYICGEETALLNALE  
GYRGNPRSKPPFPIVKGWLGQPTIVNVESIHIPWIVHKGAEWFKSQGKGDAAGSHIYQ  
VSGPVKPGPFELPLGTTARELI FEHAGGLDDRELGVFLPGGASTQFMLEHLDIPLDW  
DGPATVGSRLGTGGIIVMDAICPIDFMINTEFFARESCGYCTPCRDLGPYVHVHLKFF  
ETGEATSKDLLHELCETIYPNTFCALAPGALMPIMTGLKHFHVFDSHIEGQRCTHNN  
QLTAEC

### Binary Interactions (IntAct)