
Contents of the archive

A) IDXL.zip:

Contains the compressed executable of the source code.

B) Manual.doc / pdf:

Detailed instructions of running the source code executable.

C) Results.zip:

A compressed summary of all the results obtained from the proposed and the reference approaches, on biological and simulated datasets.

Upon extracting the archive, user can see the following directories:

- 1) Amniota_Dataset_Bootstrap_Replica
 - Bootstrap replicas, and results for individual methods, corresponding to the Amniota dataset.
- 2) Amniota_Dataset_True_Gene_Treelist
 - Species trees derived from the proposed and the reference approaches, when executed on the true gene trees of Amniota dataset.
- 3) Angiosperm_Dataset_Bootstrap_Replica
 - Bootstrap replicas, and results for individual methods, corresponding to the Angiosperm dataset.
- 4) Angiosperm_Dataset_True_Gene_Treelist
 - Species trees derived from the proposed and the reference approaches, when executed on the true gene trees of Angiosperm dataset.
- 5) Mammalian_Dataset_Bootstrap_Replica
 - Bootstrap replicas, and results for individual methods, corresponding to the Mammalian dataset.
- 6) Mammalian_Dataset_True_Gene_Treelist
 - Species trees derived from the proposed and the reference approaches, when executed on the true gene trees of Mammalian dataset.
- 7) Mammalian_Simulated_Dataset_ILS_0.2X
 - Results corresponding to the simulated mammalian dataset, with ILS level = 0.2X
- 8) Mammalian_Simulated_Dataset_ILS_0.5X
 - Results corresponding to the simulated mammalian dataset, with ILS level = 0.5X
- 9) Mammalian_Simulated_Dataset_ILS_1X
 - Results corresponding to the simulated mammalian dataset, with ILS level = 1X

**** Within each such datasets, separate folders hold the results of following tools:

1. Phylonet,
2. iGTP (DC = deep coalescence based, and DL = duplication / loss model based),

3. ASTRAL2,
4. mulRF,
5. STAR,
6. GLASS,
7. STEAC,
8. Njst,
9. ASTRID,
10. IDXL

Within each such folder, corresponding to individual inputs, the output species trees are provided.