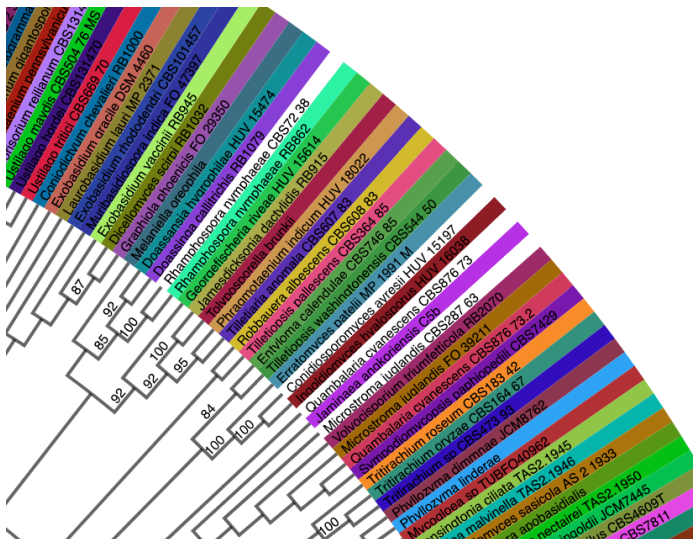


Tutorial 7: Submit a MEP file for inclusion in T-BAS portal

This tutorial demonstrates how to add a custom tree to the T-BAS portal. This particular example is a continuation of Tutorial 6 but the steps apply to any completed tree run.

- 1) Before requesting to add a custom tree to the portal, inspect the tree to ensure that the taxon names match across uploaded files. If they do not match, the taxon names shown at the tips of the tree will be white, as shown in the example below.



This can also be checked by viewing the **diffs** file in the tree run. This file shows name mismatches between the metadata (voucher) and tree files.

```
names in newick but not in voucher
["Microstroma juglandis CBS287_63", "Conidiosporomyces ayresii HUV_15197", "Hericium americanum PBM2498", "Aroramyces sp2_OSCT9930", "Rhamphospora nymphaeae CBS72_38", "Rhodosporeidiobolus azoricus JCM11251T", "Gloeohypochnicium analogum", "Gomphus brunneus_034190_46", "Hebeloma angustilamellatum AFTOLID543", "Schizosaccharomyces pombe", "Tsuchiyaea wingfieldii CBS7118T", "Mrakia blollopis CBS8921", "Beenakia_fricata_2083", "Phaeomarasmius proximans AFTOLID979", "Phaeoclavulina africana_39621"]
names in voucher but not in newick
["Microstroma juglandis_F039211(TUB)", "Gloeohypochnicium manalogum", "Rhamphospora nymphaeae_RB862(TUB)", "Mrakia nivalis_AFTOLID1818", "Crinipellis sp._ZRL20151264", "Ballistiosporomyces sasicola_AS21933", "Hebelomaangustilamellata_AFTOLID543", "Conidiosporomyces sayresii_HUV15197", "_", "Hericiumamericanum_AFTOLID469", "Lysurusmokusini_Cryptococcus amylolentus_T_CBS6039"]
```

- 2) Once it is confirmed that all names match, the new tree can then be added to the T-BAS portal. Select the **Add to T-BAS portal** link.

[Home](#) [Public T-BAS Portal](#) [T-BAS License](#) [Tools](#) [Citations](#) [Utilities](#) [Contact us](#) [Logout](#) [Register](#)

T-BAS: Tree-Based Alignment Selector toolkit v2.1.1

runnumber is: H4RFN7XB
ladderize_option: ladderize
Logging directory: logsH4RFN7XB
Using pasted newick file.
Using pasted sequence file.
Using pasted voucher file.

Output files created

| | |
|----------------------|---|
| XML | Metadata Enhanced Phyloxml file (gzipped file .mep) |
| XML | phyloXML file (no sequence data or metadata) |
| json | JSON file for d3 |

Deposit tree, alignments and voucher metadata in T-BAS

[Add to T-BAS portal](#) Tree will be submitted for review and user will be notified when added.

Common files

| | |
|--|--|
| app config | Configuration data used by tree viewer. |
| loci count | Table of count of loci with data calculated by TBAS and from user voucher loci column. |
| loci count differences | Summary of above table. |
| diffs | Report on name mismatches between voucher and tree. |

Archive

[download archive](#) To upload use tar.gz file and unzip to see reports.
Save file to use tree after 30 days.

[View tree »](#)

3) The following form will appear.

[Home](#) [Public T-BAS Portal](#) [T-BAS License](#) [Tools](#) [Citations](#) [Utilities](#) - [Contact us](#) [Logout](#) [Register](#)

T-BAS: Tree-Based Alignment Selector toolkit v2.1.1

Request new reference tree for run H4RFN7XB
Submitter name:

Submitter Email:

Short text for html label:

Outgroup:

Access level:
* Private ☒ Public
Emails of users in addition to submitter to be allowed access
(one per line):

Please fill in taxonomy.
Kingdom:

Phylum:

Sub-phylum:

Class:

Order:

Family:

Genus:

If downloaded from Treebase, provide study number:

If published, provide citation(s):

Please give description and reason for including:

- 4) Here is an example of the form filled out. Note this tree is **private** and shared with only two other people (email list); if you want to make it **public** change the selection in the **Access level**. Click **Submit** at the bottom of the form.

HomePublic T-BAS PortalT-BAS LicenseToolsCitationsUtilities

Contact usLogoutRegister

Request new reference tree for run
H4RFN7XB

Submitter name:
Ignazio Carbone

Submitter Email:
iggy.carbone@gmail.com

Short text for html label:
Ramularia species complex

Outgroup:
Ramularia_nyssicola_CBS_127665

Access level:
PrivatePublic

Emails of users in addition to submitter to be
allowed access
(one per line):
jbwhite2@ncsu.edu
vcornis@ncsu.edu

Please fill in taxonomy.
Kingdom:
Fungi
Phylum:
Ascomycota
Sub-phylum:
Pezizomycotina
Class:
Dothideomycetes
Order:
Capnodiales
Family:
Mycosphaerellaceae
Genus:
Ramularia
If downloaded from Treebase, provide study
number:
S16754
If published, provide citation(s):
Videira SI, Groenewald JZ, Kolecka A, van
Haren L, Boekhout T, Crous PW. 2015.
Elucidating the Ramularia eucalypti species
complex. *Persoonia* 34:50-64.

Please give description and reason for including:
New tree for placement.

SubmitReset

- 5) Once your tree has been reviewed by T-BAS admin it will be made available for viewing and placement by clicking on **User Trees** on the T-BAS start page. You will receive an email notification of the status of your submitted tree and when it is available for use in T-BAS.

[Home](#) [Public T-BAS Portal](#) [T-BAS License](#) [Tools](#) [Citations](#) [Utilities](#) [Contact us](#) [Logout](#) [Register](#)

T-BAS: Tree-Based Alignment Selector toolkit v2.1

Tree-Based Alignment Selector toolkit (T-BAS) for evolutionary placement of DNA sequences, viewing alignments and specimen metadata on curated and custom trees.

You will need to [Register](#) for full access to T-BAS

T-BAS Trees
Select reference tree for preview and placement of unknown sequences

User Trees
Select user-contributed tree for placement of unknown sequences

Upload Tree
Upload tree, alignments, collection data, and unknown sequences

Walkthrough Tutorial
A step-by-step illustrated guide of major features in T-BAS

Online Manual
Detailed documentation of T-BAS features and utilities

Update History
List of changes in T-BAS versions, features, bug fixes, and issues

In this example, the ***Ramularia* species complex** tree will be listed under **User Trees** and available for viewing reference data files or placing unknowns by clicking on the bullet.

[Home](#) [T-BAS](#) [Tools](#) [Citations](#) [Utilities](#)

User Trees

These are trees submitted by working groups with the option to make them public or keep private in T-BAS until publication. Click on a bullet to select a user-contributed tree.

| | Tree name | Classification | Reference | Private | Public |
|----------------------------------|---------------------------|--|---|---------|--------|
| <input type="radio"/> | Cladosporium | Fungi, Ascomycota, Pezizomycotina, Dothideomycetes, Capnodiales, Davidiellaceae, Cladosporium | Bensch, K., Braun, U., Groenewald, J.Z. and P.W. Crous. 2012. The genus Cladosporium Studies in Mycology 72: 1-401 | yes | |
| <input checked="" type="radio"/> | Ramularia species complex | Fungi, Ascomycota, Pezizomycotina, Dothideomycetes, Capnodiales, Mycosphaerellaceae, Ramularia | Videira SI, Groenewald JZ, Kolecka A, van Haren L, Boekhout T, Crous PW. 2015. Elucidating the Ramularia eucalypti species complex. Persoonia 34:50-64. | yes | |

[View Metadata](#) [Place Unknowns](#)