



# Add attribute

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*Version 1.1.1, by Giorgio Bianchini*

**Description:** Adds an attribute based on an attachment.

**Module type:** FurtherTransformation

**Module ID:** f71a5e60-5e40-4a5e-9795-e5259fb283ab

This module can be used to add an attribute to a list of taxa that is loaded as an attachment. This module is best suited for a "presence-absence" kind of attribute (i.e. if you have a text file with a list of taxa that have a certain feature, and you want to convert this to attributes on the tree). For more complex attributes, use the *Parse node states* module.

## Parameters

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### Taxon list

**Control type:** Attachment

This parameter is used to select the attachment that represents the text file containing the list of taxa (one taxon name per line).

### Match attribute

**Control type:** Attribute selector

**Default value:** Name

This parameter determines the attribute that is matched against the list of taxa in the attachment.

### Match attribute type

**Control type:** Attribute type

**Default value:** String

**Possible values:**

- String
- Number

This parameter is used to select the type of the [match attribute](#).

## Apply to

**Control type:** Drop-down list

**Default value:** Specified taxa

**Possible values:**

- Specified taxa
- Specified taxa and all ancestors
- Specified taxa and ancestors up to LCA
- LCA
- LCA and all children

The value selected for this parameter determines to which taxa the attribute is applied.

Selected value	Nodes to which the attribute is applied
Specified taxa	Only to the taxa whose names appear in the taxon list.
Specified taxa and all ancestors	To the taxa whose names appear in the taxon list and to all their ancestors, up to the root node of the tree.
Specified taxa and ancestors up to LCA	To the taxa whose names appear in the taxon list and to their ancestors up to the last common ancestor of all these taxa.
LCA	To the last common ancestor of the taxa whose names appear in the taxon list.
LCA and all children	To the last common ancestor of the taxa whose names appear in the taxon list and to all its descendants (even those that do not appear in the taxon list).

## Attribute

**Control type:** Text box

The name of the new attribute to add to the specified taxa.

## Attribute type

**Control type:** Attribute type

**Default value:** String

**Possible values:**

- String

- Number

The type of the new attribute.

## New value

**Control type:** Text box

The value of the attribute to add. Note that the same value will be used for all the nodes to which the attribute is added. This should be coherent with the [Attribute type](#), i.e. a text string if the attribute type is `String` or a (decimal) number if the attribute type is `Number`.

## Apply

**Control type:** Button

This button applies the changes to the values of the other parameters and triggers a redraw of the tree.

## Further information

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To use this module, first of all you will have to load a text file containing one taxon name per line as an attachment.

This module parses the selected attachment and reads each line of the file. The requested attribute is added to all the nodes in the tree whose [match attribute](#) corresponds to a line in the file (and/or to their ancestors, based on the value selected for the [Apply to](#) parameter).