Reconstruct intermediate sequences

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Contents

Dowser automatically reconstructs intermediate sequences as part of the getTrees function. These are stored in the nodes list contained in each phylo object.

First, collapse internal nodes with identical sequences using the collapseNodes. This will significantly clean up the visualization. You could alternatively run getTrees with collapse=TRUE. Then, visualize the trees using plotTrees but with the node_nums parameter set. This will display the ID number of each internal node.

To obtain the IMGT-gapped sequence for each reconstructed node, specify the clone ID and node number in the getSeq function.

```
library(dowser)

data(ExampleClones)

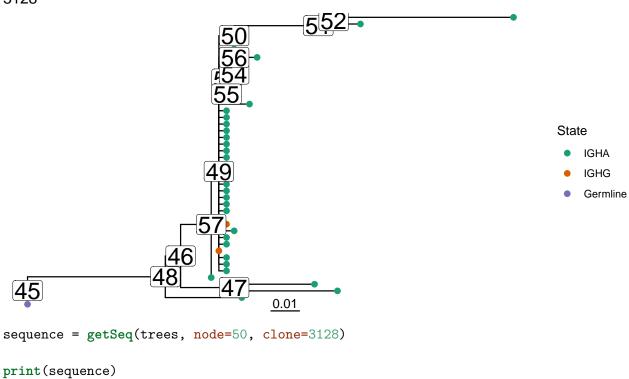
# Collapse nodes with identical sequences. This will

trees = collapseNodes(ExampleClones[1:2,])

# Plot trees with node ID numbers

plots = plotTrees(trees, tips="c_call", tipsize=2, node_nums=TRUE, labelsize=7)

plots[[1]]
```



##

"GAGGTGCAGCTGGTGGAGTCCGGGGGA...GGCTTGGTACAGCCAGGGCGGTCTCTGAGACTCTCCTGTACAGCTTCTGGATTCGCCTTT