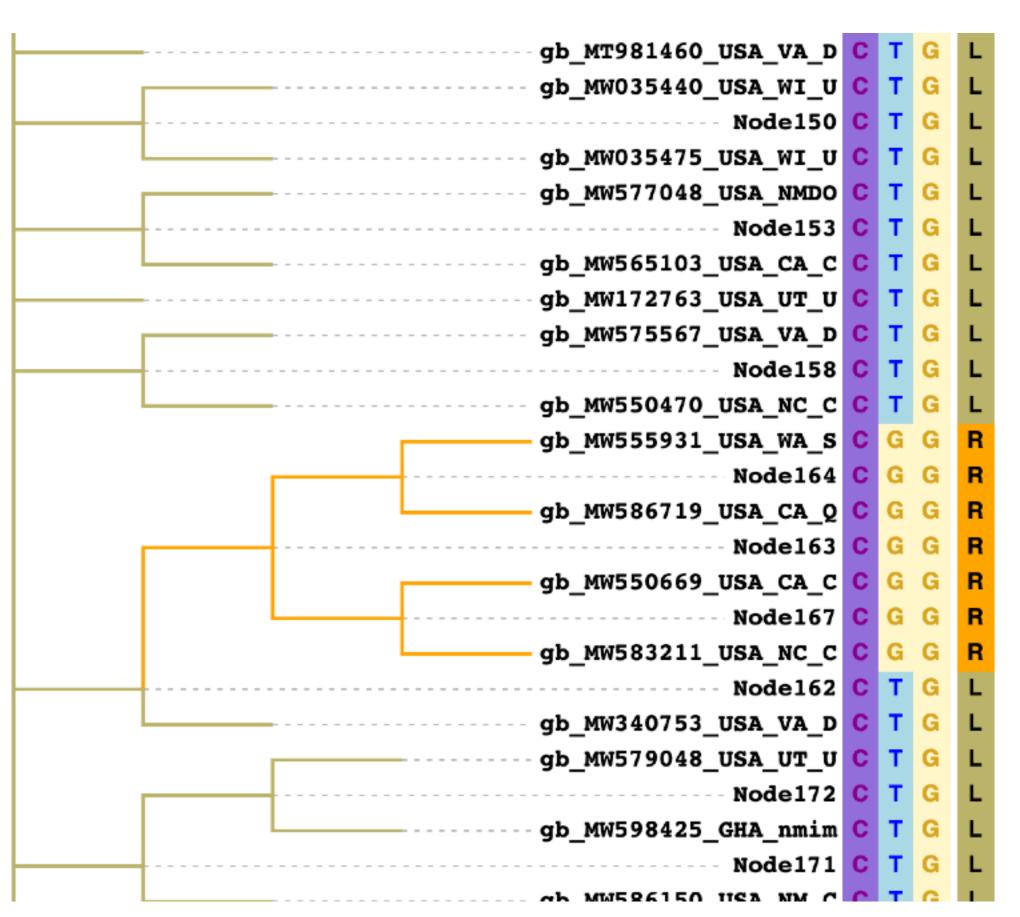
Mapping substitutions with SLAC

- SLAC capable of detecting selection, is fast, but generally lacks power
- It provides a number of intuitive metrics for interpreting selection results
- SLAC recovers ancestral states and allows one to "map" evolutionary history onto a tree.

hyphy slac --alignment data/spike.fas --tree data/spike.tree --branches Internal

Partition	Site ‡	ES \$	EN \$	S \$	N \$	P[S] \$	dS \$	dN ≑	dN- dS ≑	P [dN/dS > 1] ↓₹	P [dN/dS < 1] \$	Total branch length \$
1	452	1.75	1.25	0.00	1.00	0.584	0.00	0.801	49.6	0.416	1.00	0.0162
1	367	0.996	2.00	0.00	2.00	0.332	0.00	0.998	61.8	0.446	1.00	0.0162



Site 452