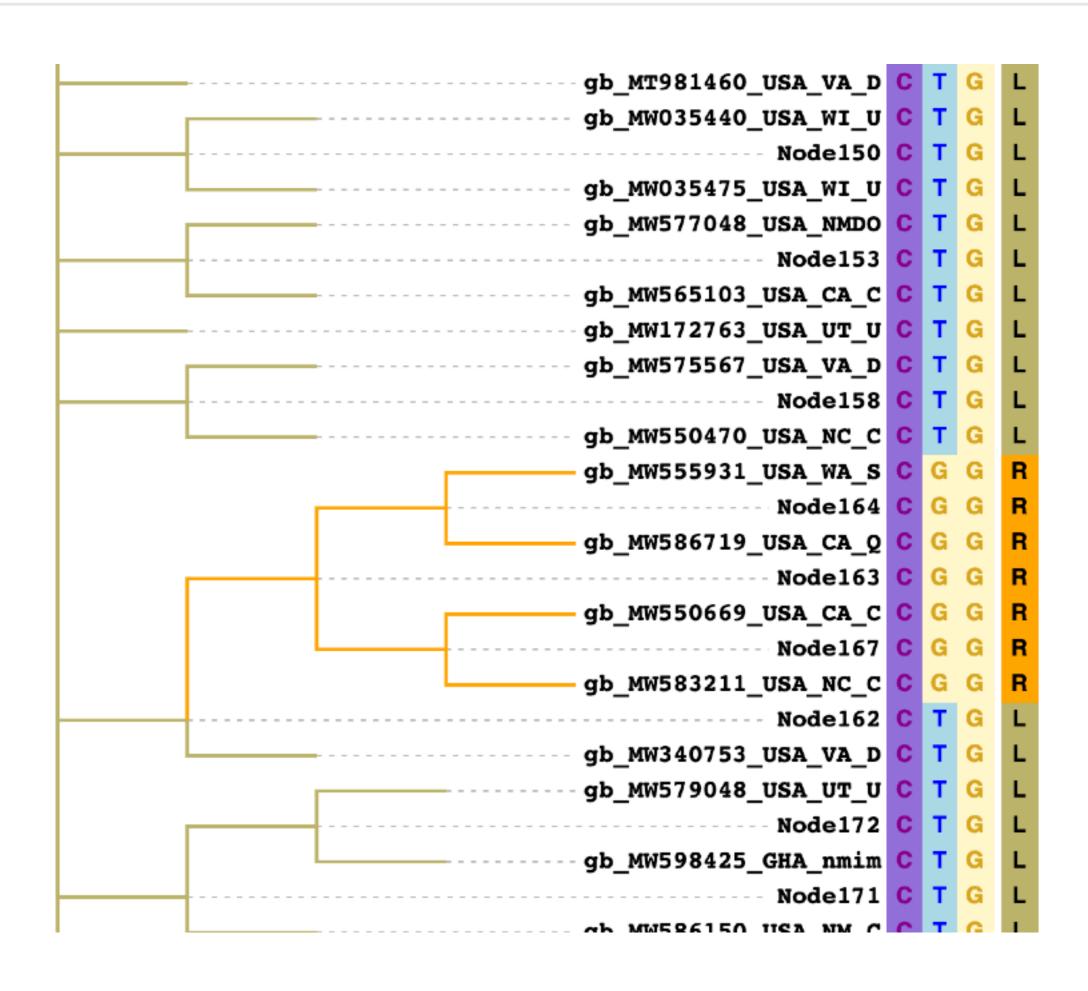
Mapping substitutions with SLAC

- 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.

| 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 |



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