

FEL on internal branches of Spike finds most selected sites

CAUTION: A VERY TIME CONSUMING ANALYSIS (SEVERAL HOURS)

```
hyphy fel --alignment spike.fas --tree spike.tree --branches Internal --output  
Spike-pbs.FEL.json --resample 100
```

Obtaining site-level dN/dS estimates with FEL

- dN/dS estimates at individual sites are not **precise**
- They are estimated from relatively small samples
- Precision improves with the number of sequences and divergence levels
- One approach to correct for this is to compute approximate site-level confidence intervals.