

adaptive Branch Site REL

# results summary

INPUT DATA | WestNileVirus\_NS3.fas | 19 sequences | 619 sites

Export

aBSREL **found no evidence** of episodic diversifying selection in your phylogeny.

A total of **33** branches were formally tested for diversifying selection. Significance was assessed using the Likelihood Ratio Test at a threshold of  $p \leq 0.05$ , after correcting for multiple testing. Significance and number of rate categories inferred at each branch are provided in the [detailed results](#) table.

See [here](#) for more information about this method.  
Please cite [PMID 25697341](#) if you use this result in a publication, presentation, or other scientific work.

## Tree summary

| $\omega$ rate classes | # of branches | % of branches | % of tree length | # under selection |
|-----------------------|---------------|---------------|------------------|-------------------|
| 1                     | 30            | 91%           | 37%              | 0                 |
| 2                     | 3             | 9.1%          | 63%              | 0                 |

This table contains a summary of the inferred aBSREL model complexity. Each row provides information about the branches that were best described by the given number of  $\omega$  rate categories.

```
hyphy absrel --alignment data/WestNileVirus_NS3.fna
```

adaptive Branch Site REL  
results summary

INPUT DATA | spike.fas | 118 sequences | 1273 sites

Export

aBSREL **found no evidence** of episodic diversifying selection in your phylogeny.

A total of **44** branches were formally tested for diversifying selection. Significance was assessed using the Likelihood Ratio Test at a threshold of  $p \leq 0.05$ , after correcting for multiple testing. Significance and number of rate categories inferred at each branch are provided in the [detailed results](#) table.

See [here](#) for more information about this method.

Please cite [PMID 25697341](#) if you use this result in a publication, presentation, or other scientific work.

Tree summary

| $\omega$ rate classes | # of branches | % of branches | % of tree length | # under selection |
|-----------------------|---------------|---------------|------------------|-------------------|
| 1                     | 161           | 99%           | 61%              | 0                 |
| 2                     | 1             | 0.62%         | 39%              | 0                 |

This table contains a summary of the inferred aBSREL model complexity. Each row provides information about the branches that were best described by the given number of  $\omega$  rate categories.

```
hyphy absrel --alignment data/spike.fas --tree data/spike.tree --branches Internal
```