

Multi-Hit results summary

INPUT DATA | [spike.fas](#) | 118 sequences | 1273 sites

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Likelihood Test Results

3H vs 1H

LRT 2.307

p-value 0.511

3H vs. 2H

LRT 0.000

p-value 1.000

3H vs 3HSI

LRT -0.000

p-value 1.000

2H vs 1H

LRT 2.307

p-value 0.129

3HSI vs 2H

LRT 0.000

p-value 0.988

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

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

```
hyphy fmm --alignment spike.fas --tree spike.tree --triple-islands Yes
```

Multi-Hit
results summary

INPUT DATA | WestNileVirus_NS3.fas | 19 sequences | 619 sites

Export

Likelihood Test Results

3H vs 1H

LRT 7.406

p-value 0.060

3H vs. 2H

LRT 0.006

p-value 0.997

3H vs 3HSI

LRT -0.000

p-value 1.000

2H vs 1H

LRT 7.400

p-value 0.007

3HSI vs 2H

LRT 0.006

p-value 0.936

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

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1 individual site which showed sufficiently strong preference for multiple-hit models

Site	ER (2 vs 1)	ER (3 vs 2)	ER (3-island vs 2)	ER (3-island vs 3)	Substitutions
87	54.0092	1.0065	1.0020	1.0045	CAC→CAT(3)TGC(1)

hyphy fmm --alignment WestNileVirus_NS3.fas --triple-islands Yes

