Mixed Effects Model of Evolution
results summary

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

Export ▾

MEME **found evidence** of

⊕ episodic positive/diversifying selection at 4 sites

with p-value threshold of 0.1 .

See here for more information about the MEME method.

Please cite PMID 22807683 if you use this result in a publication, presentation, or other scientific work.

MEME Table

Sites that yielded a statistically significant result are highlighted in green.

Showing entries 1 through 20 out of 619.

« ‹ › »

🖺 Export Table to CSV

Site	Partition	α	β⁻	p⁻	β⁺	p⁺	LRT	p-value	# branches under selection	Total branch length	MEME LogL	FEL LogL
249	1	0.00	0.00	0.00	2.71	1.00	7.88	0.01	0.00	0.00	-34.22	-34.22
557	1	0.27	0.00	0.97	149.17	0.03	5.52	0.03	1.00	0.00	-17.69	-14.17
87	1	1.79	0.00	0.95	31.42	0.05	3.47	0.08	1.00	0.00	-23.52	-16.73
521	1	0.96	0.00	0.96	97.61	0.04	3.60	0.08	1.00	0.00	-17.26	-14.31

Fitted tree

ℹ

Options ▾   Site to display: 249 ⊕⊖   EBF threshold: 10.0

Substitutions per site

0.0   0.2   0.4   0.6   0.8   1.0   1.2   1.4   1.6

HNY1999
NY99_EQHS
NY99_FLAMINGO
RABENSBURG_ISOLATE
WNFCG
SPU116_89
KUNCG
ETHAN4766
CHIN_01
EG101
ITALY_1998_EQUINE
PAAN001
RO97_50
VLG_4
KN3829
AST99
PAH001
IS_98
MEX03

```
hyphy meme --alignment WestNileVirus_NS3.fas
```

Mixed Effects Model of Evolution
results summary

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

⬇ Export ▾

MEME **found evidence** of

⊕ episodic positive/diversifying selection at **6** sites

with p-value threshold of [0.1 ⬍] .

See here for more information about the MEME method.

Please cite PMID 22807683 if you use this result in a publication, presentation, or other scientific work.

MEME Table ⓘ

Sites that yielded a statistically significant result are highlighted in green.

Showing entries 1 through 20 out of 1273.

« ‹ › »

🖫 **Export Table to CSV**

Site ⇅	Partition ⇅	α ⇅	β⁻ ⇅	p⁻ ⇅	β⁺ ⇅	p⁺ ⇅	LRT ⇅	p-value ⬇	# branches under selection ⇅	Total branch length ⇅	MEME LogL ⇅	FEL LogL ⇅
1	1	1.22	0.55	0.99	2557.85	0.01	9.76	0.00	1.00	0.00	-19.14	-14.26
470	1	4.21	1.65	0.99	10000.00	0.01	7.46	0.01	1.00	0.00	-24.32	-20.11
1243	1	0.00	0.00	0.98	608.47	0.02	8.85	0.01	2.00	0.00	-23.28	-19.43
452	1	0.00	0.00	0.01	14.48	0.99	8.77	0.01	5.00	0.00	-36.49	-36.49
501	1	0.00	0.00	0.92	328.53	0.08	5.02	0.04	5.00	0.00	-37.07	-36.20
157	1	0.00	0.00	0.01	7.32	0.99	3.71	0.07	4.00	0.00	-29.55	-29.55

```
hyphy meme --alignment spike.fas --tree spike.tree
```