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.

Codon	Partition	alpha	beta	LRT	Selection detected?	dN/dS with confidence intervals
::	::	::	:: :-		: ::	::
2	1	1.843	0.000	7.521	Neg. $p = 0.0061$	0.000(0.00- 0.09)
3	1	0.786	0.000	3.161	Neg. $p = 0.0754$	0.000(0.00- 0.16)
4	1	2.174	0.000	10.742	Neg. $p = 0.0010$	0.000(0.00- 0.07)
7	1	1.105	0.000	7.537	Neg. $p = 0.0060$	0.000(0.00- 0.11)
8	1	0.422	0.000	3.173	Neg. $p = 0.0749$	0.000(0.00- 0.28)
9	1	1.353	0.000	8.638	Neg. $p = 0.0033$	0.000(0.00- 0.08)
10	1	1.353	0.000	8.369	Neg. $p = 0.0038$	0.000(0.00- 0.09)
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247	1	1.353	0.000	8.088	Neg. p = 0.0045	0.000(0.00- 0.10)
248	1	0.451	0.000	3.496	Neg. $p = 0.0615$	0.000(0.00- 0.28)
249	1	0.000	2.700	7.881	Pos. $p = 0.0050$	10000.000(7599.84-10000.00)
250	1	0.220	0.000	2.797	Neg. $p = 0.0945$	0.000(0.00- 0.61)
388	1	0.220	0.000	2.797	Neg. $p = 0.0945$	0.000(0.00- 0.61)

hyphy fel --alignment data/WestNileVirus_NS3.fna -ci Yes