

Additional file 6

Likelihood ratio statistics ($2\Delta\ell$)

Comparison	$2\Delta\ell$	df	$\chi^2_{1\%}$
M0 (one-ratio) vs. M3 (discrete)	2439.82	4	13.28
M1a (nearly neutral) vs. M2a (positive selection)	807.50	2	9.21
M7 (beta) vs. M8 (beta & ω)	673.90	2	9.21