

Branch models	Likelihood	p	ω	LRT	df		
<i>OPN4m/OPN4x</i>							
Model O	-20998.594	92	0.077				
Model A	-20998.323	93	0.006	0.541	1		
Model B <i>OPN4x</i>	-20992.982	93	∞	11.223	1	*	
Model C <i>OPN4m</i>	-20994.886	93	∞	7.416	1	*	
<i>OPN4m3/OPN4ma</i>							
Model O	-12319.188	46	0.089				
Model A	-12317.165	47	∞	4.046	1	*	
Model B <i>OPN4m3</i>	-12317.518	47	0.209	3.338	1		
Model C <i>OPN4ma</i>	-12318.228	47	0.296	1.920	1		
<i>OPN4x1/OPN4x2</i>							
Model O	-10568.326	38	0.089				
Model A	-10568.035	39	0.063	0.582	1		
Model B <i>OPN4x2</i>	-10566.161	39	∞	4.330	1	*	
Model C <i>OPN4x1</i>	-10566.122	39	0.902	4.408	1	*	

Branch site models	Likelihood	p	ω	$p+$	LRT	df	
<i>OPN4m/OPN4x</i>							
Model O	-20819.380	94					
Model A	-20814.236	95	159.543	0.168	10.289	1	*
Model B <i>OPN4x</i>	-20814.352	95	∞	0.248	10.056	1	*
Model C <i>OPN4m</i>	-20817.482	95	∞	0.183	3.794	1	
<i>OPN4m3/OPN4ma</i>							
Model O	-12108.048	48					
Model A	-12103.212	49	667.161	0.027	9.673	1	*
Model B <i>OPN4m3</i>	-12088.628	49	593.875	0.110	38.841	1	*
Model C <i>OPN4ma</i>	-12107.509	49	13.128	0.019	1.079	1	
<i>OPN4x1/OPN4x2</i>							
Model O	-10461.138	40					
Model A	-10461.138	41	1.000	0.087	0.000	1	
Model B <i>OPN4x2</i>	-10464.285	41	∞	0.032	6.294	1	*
Model C <i>OPN4x1</i>	-10458.370	41	33.942	0.050	5.537	1	*

Legend

- p number of parameters
- ω omega-value
- LRT likelihood ratio test
- df degrees of freedom
- $p+$ proportion of positively selected sites

Models

