Table S6. The results of the branch-site model when using three different foreground branches.

Foreground Branch	Model	np	LnL	Estimates of parameters					Model compared	LRT P-value	Positive sites
Allopsontus sp.	Model A	91	-209386.193340	Site class	0	1	2a	2b	Model A vs. Model A null	0.006356847	2118 S 0.975*, 2567 E 0.989*, 3266 S 0.956*, 3338 G 0.967*, 3618 S 0.995*
				f	0.89582	0.07921	0.02294	0.00203			
				ω0	0.03652	1.00000	0.03652	1.00000			
				ω1	0.03652	1.00000	14.80019	14.80019			
	Model A null	90	-209389.916469	1							
Allopsontus tibetensis	Model A	91	-209393.594372	Site class	0	1	2a	2b	Model A vs. Model A null	0.003455025	930 S 0.965*, 1367 N 0.978*, 1884 S 0.975*, 2664 N 0.975*, 3312 S 0.962*, 3434 S 0.952*
				f	0.90161	0.07992	0.01697	0.00150			
				ω0	0.03657	1.00000	0.03657	1.00000			
				ω1	0.03657	1.00000	15.05845	15.05845			
	Model A null	90	-209397.869424	1							
Machilontus medogensis	Model A	91	-209414.883601	Site class	0	1	2a	2b	Model A vs. Model A null	0.010525846	760 Y 0.994**, 2161 A 0.957*, 3430 H 0.977*
				f	0.91084	0.07998	0.00844	0.00074			
				ω0	0.03670	1.00000	0.03670	1.00000			
				ω1	0.03670	1.00000	5.60184	5.60184			
	Model A null	90	-209418.155432	1							