

Table S3. Results from model comparison of climatic niche evolution. Lambda (λ) follows Pagel (1999) where the p value is derived from a likelihood ratio test with lamda = 0. The Aikaike value shows the probability that each model is the best among those compared (wAIC).

	BIOCLIMATIC VARIABLES	λ			w AICc		
		λ	$p \lambda > 0$	$p \lambda < 1$	BM	OU	WM
Bio1	Mean Annual Temperature	0.93	0.04	0.00	0.01	0.92	0.07
Bio6	Min Temperature of Coldest Month	0.80	0.27	0.00	0.00	0.30	0.70
Bio8	Mean Temperature of Wettest Quarter	0.78	0.11	0.00	0.00	0.77	0.23
Bio11	Mean Temperature of Coldest Quarter	0.92	0.01	0.00	0.00	0.93	0.07
Bio12	Annual Precipitation	0.00	1.00	0.00	0.00	0.49	0.51
Bio16	Precipitation of Wettest Quarter	1.00	0.00	0.51	0.15	0.85	0.00
Bio17	Precipitation of Driest Quarter	0.93	0.02	0.01	0.04	0.90	0.07
Bio18	Precipitation of Warmest Quarter	0.00	1.00	0.02	0.00	0.96	0.04