

Table S1. Results from model comparison of climatic niche evolution. Lambda ( $\lambda$ ) 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	$\lambda$			w AICc		
		$\lambda$	$p \lambda > 0$	$p \lambda < 1$	BM	OU	WM
<b>Bio1</b>	Mean Annual Temperature	<b>0.93</b>	0.04	0.00	0.01	<b>0.92</b>	0.07
<b>Bio6</b>	Min Temperature of Coldest Month	0.80	0.27	0.00	0.00	0.30	<b>0.70</b>
<b>Bio8</b>	Mean Temperature of Wettest Quarter	0.78	0.11	0.00	0.00	<b>0.77</b>	0.23
<b>Bio11</b>	Mean Temperature of Coldest Quarter	<b>0.92</b>	0.01	0.00	0.00	<b>0.93</b>	0.07
<b>Bio12</b>	Annual Precipitation	0.00	1.00	0.00	0.00	0.49	<b>0.51</b>
<b>Bio16</b>	Precipitation of Wettest Quarter	<b>1.00</b>	0.00	0.51	0.15	<b>0.85</b>	0.00
<b>Bio17</b>	Precipitation of Driest Quarter	<b>0.93</b>	0.02	0.01	0.04	<b>0.90</b>	0.07
<b>Bio18</b>	Precipitation of Warmest Quarter	0.00	1.00	0.02	0.00	<b>0.96</b>	0.04