

**TABLE S7**

	Model	Number of parameters	Lh	AIC	AICc	$\Delta$ AICc
Constant rate	Pure Birth	1	-5.44	12.87	13.16	3.19
	Birth Death	2	-5.44	14.87	15.79	5.82
Variable rate	y-2-rate	2	-4.52	15.05	15.97	6

