

**Table S2:**

Model	Max $\log_{10}(Lhood_i)^a$	No. of parameters ( $d$ )	$AIC_i^b$	$\Delta_i^c$	Model normalized relative likelihood ( $w_i$ ) <sup>d</sup>
A	-533989	12	2459477	3535.15	~0
B1	-533317	16	2456442	468.601	$2.8 \times 10^{-95}$
B2	-533210	19	2456007	0	~1

<sup>a</sup>Based on the best of 100 likelihood computed for parameters point estimates shown in Table 1 and S1.

$$^b AIC_i = 2d - 2\ln(Lhood_i)$$

$$^c \Delta_i = AIC_i - \min(AIC)$$

$$^d w_i = \frac{\exp(-0.5\Delta_i)}{\sum_r^R \exp(-0.5\Delta_r)}$$