

S7 Table: Model comparisons when $1/d$ is varied 1/2 and 2 times its set point estimate used in Table 1 in the main text. Median log-likelihood values, BIC and DIC values for all models considered are reported.

Model	Log-likelihood	BIC	DIC
Low value: $d = 0.035/\text{day}$			
0	-2396	4826	4797
1	-2334	4709	4674
OAS_1	-2335	4717	4676
OAS_2	-2334	4722	4675
ADE	-2334	4717	4675
SS_β	-2321	4698	4650
SS_q	-2333	4721	4675
SS_{qT}	-2325	4706	4658
$SS_{\beta ADE}$	-2324	4722	4656
High value: $d = 0.14/\text{day}$			
0	-2444	4922	4893
1	-2374	4789	4754
OAS_1	-2375	4798	4757
OAS_2	-2375	4803	4756
ADE	-2374	4797	4755
SS_β	-2359	4773	4726
SS_q	-2374	4802	4756
SS_{qT}	-2364	4783	4736
$SS_{\beta ADE}$	-2361	4797	4732