

Supplementary Table 6. Parameters of one-phase exponential decay models of gene numbers in MSY strata

Stratum	$N_0$	K ( $\text{my}^{-1}$ )	Half-life (my)	Baseline	R squared
1	414	0.144	4.8	5	1.00
2	88	0.288	2.4	2	1.00
3	143	0.433	1.6	8	1.00
4	12	2.020	0.34	3	1.00
5	7	0.325	2.1	1	1.00

$N_0$  Starting number of genes

K Decay constant

my Millions of years