

**S5 Table Recommended slope and intercept values depending on the cutoff.**

cutoff ( $x_c$ )	slope and intercept			slope only	
	slope ( $s$ ) <sup>a</sup>	intercept ( $t_0$ ) <sup>b</sup>	MAE <sup>b</sup>	slope ( $s$ ) <sup>a</sup>	MAE <sup>b</sup>
0.00	445.61	-0.75	0.91	390.96	0.93
0.05	595.29	-0.12	0.97	582.31	0.95
0.10	745.57	0.07	0.89	755.98	0.88
0.15	909.35	0.19	0.99	944.97	1.00
0.20	1089.94	0.29	1.09	1160.02	1.10
0.25	1236.10	0.57	1.20	1370.86	1.24
0.30	1511.44	0.79	1.29	1772.83	1.35
0.35	1941.61	0.89	1.42	2456.16	1.44
0.40	2405.31	1.35	1.66	3229.49	1.74
0.45	3062.32	2.28	1.84	5200.83	2.26

Genetic region: all sites in *pol*, diversity measure: average site entropy. <sup>a</sup>in years/diversity; <sup>b</sup>in years.