

Table 2. Median and mode estimates of all demographic parameters of the best models under each evolutionary scenario

Parameters	R^2	Median	Mode	95% HPD
AFREG Model				
N_{AF}^*	0.69	206,920	146,238	23,535 – 801,895
N_{AS}^*	0.67	20,262	11,654	1938 – 62,726
N_{AM}^*	0.47	5606	507	757 – 13,740
N_{A-AF}	0.50	12,772	12,363	6,604 – 20,211
Nb_{AM}	0.44	452	316	71 - 1280
Nb_{AS}	0.42	462	357	64 - 1224
Nb_{MH}	0.69	600	417	76 – 1,620
T_{AM}	0.21	10,280	9,330	7,647- 15,945
T_{AS}	0.24	51,102	46,229	40,135 – 70,937
T_{MH}	0.05	141,455	138,747	103,535 – 185,642
ASEG Model				
N_{AF}^*	0.67	178,345	115,695	15,182 – 657,970
N_{AS}^*	0.62	19,447	11,514	1810 – 59,041
N_{AM}^*	0.43	7,003	514	759 – 17,919
N_{A-AF}	0.55	10,688	10,586	4,943 – 17,182
N_{A-AS}	0.04	364	198	52 – 1,799
Nb_{AM}	0.45	474	335	65 – 1,340
Nb_{AS}	0.35	467	340	71 – 1,241
Nb_{MH}	0.23	967	593	185 – 2,032
Nb_{A-AS}	0.03	143	76	2 - 719
T_{AM}	0.21	10,228	9,240	7,561 – 16,168
T_{AS}	0.06	51,848	46,398	40,290 – 74,326
T_{MH}	0.06	128,936	121,286	101,165 – 169,786
T_{A-AS}	0.01	843,445	818,255	800,255 – 939,033
ADM	0.67	0.007127	0.003566	0.00006 -0.023268
MREBIG Model				
N_{AF}	0.57	42,262	29,368	4,827 – 174,384
N_{AS}	0.78	4,104	4,323	959 – 6,625

Parameters	R^2	Median	Mode	95% HPD
N_{AM}	0.57	1,185	993	532 – 2,232
N_{A-AF}^*	0.18	561	248	53 – 3,068
N_{A-AS}	0.05	320	149	52 – 1,504
Nb_{AM}	0.24	383	218	18 – 1,326
Nb_{MH}	0.13	201	101	2 – 776
Nb_{A-AS}	0.03	151	76	2 – 1,125
1NM_1	0.34	0.694	0.000	0.060 – 111.341
2NM_2	0.56	0.834	0.908	0.003 – 1.639
$^3NM_2^*$	0.42	0.074	0.030	0.001 – 0.357
4NM_3	0.16	0.021	0.000	0.002 – 0.357
5NM_4	0.06	0.014	0.000	0.002 – 0.286
T_{AM}	0.19	10,375	7,541	7,541 – 15,924
T_{AS}^*	0.03	58,704	46,092	40,059 – 87,244
T_{MH}^*	0.12	99,926	97,900	55,184 – 146,197
T_{A-AS}	0.01	862,590	820,578	800,388 – 959,283

Parameters labels according to SI Fig. 6 and SI Table 7, except when indicated. Population size units are effective number of diploid individuals, times are in yr, assuming 25yr per generation. Parameters not presented in SI Table 7 includes 1NM_1 : $N_{AF} \times M_1$; 2NM_2 : $N_{AS} \times M_2$; $^3NM_2^*$: $N_{A-AS} \times M_2$; 4NM_3 : $N_{A-AF} \times M_3$; 5NM_4 : $N_{A-AS} \times M_4$. Additionally, for each parameter we report its multiple determination coefficient R^2 by summary statistics, as previous studies have shown that parameters with $R^2 > 0.10$ can be reasonably well estimated [Neuenschwander, S. (2006) PhD thesis (Univof Berne, Berne, Switzerland)].