

**Table S1:** Correlations ( $r^2$ ) between  $\pi$  from data and  $B_c$ . Additionally, the correlations between  $\pi$  and the density of conserved sites and recombination rate are shown.

Chromosome	Model 1 (BGS)	Model 2 (recent sweeps)	Model 3 (recent and ancient sweeps)	dcs	Recombination rate
1	0.109	0.360	0.316	0.172	0.020
1A	0.504	0.672	0.474	0.095	0.078
2	0.221	0.221	0.090	0.229	0.012
3	0.348	0.462	0.156	0.309	0.001
4	0.058	0.152	0.151	0.032	0.026
4A	0.533	0.740	0.706	0.067	0.417
5	0.194	0.194	0.246	0.127	0.065
6	0.423	0.563	0.212	0.375	0.123
7	0.314	0.325	0.219	0.253	0.122
8	0.490	0.757	0.045	0.278	0.235
9	0.397	0.397	0.368	0.255	0.286
10	0.656	0.706	0.656	0.061	0.414
11	0.672	0.689	0.663	0.308	0.383
12	0.548	0.846	0.765	0.158	0.417
13	0.260	0.723	0.610	0.043	0.324
14	0.672	0.846	0.812	0.127	0.454
15	0.144	0.314	0.313	0.060	0.229
17	0.533	0.533	0.615	0.109	0.364
18	0.640	0.774	0.052	0.078	0.773
19	0.005	0.003	0.474	0.001	0.078
20	0.063	0.423	0.538	0.001	0.365
21	0.384	0.490	0.607	0.199	0.355
22	0.397	0.490	0.664	0.296	0.289
23	0.336	0.336	0.426	0.255	0.116
24	0.462	0.624	0.766	0.299	0.563
25	0.689	0.689	0.626	0.656	0.462
26	0.176	0.102	0.337	0.008	0.476
27	0.563	0.250	0.287	0.533	0.164
28	0.281	0.423	0.368	0.119	0.423