



Figure S12 Comparison of analytical and simulated sojourn-time densities of A_1 for a polymorphic continent. Results are shown for various migration rates m and continental frequencies q_c of B_1 . Histograms were obtained from 10^6 simulations (see Methods) and curves give the diffusion approximation under the assumption of quasi-linkage equilibrium, $\tilde{t}_{2, \text{QLE}}(p; p_0)$, from Eq. (109). Throughout, $a = 0.02$, $b = 0.04$, $r = 0.1$ and $p_0 = 1/(2N)$ (we assumed $N_e = N$). From the top to the bottom row, the effective population size N_e increases and therefore genetic drift becomes less important. From the left to the right column, the migration rate m increases, making it more difficult for A_1 to survive. No simulations were completed for the parameter combination in panel (M), as they were too time-consuming.