

Figure S7 Asymptotic stability of the marginal one-locus migration—selection equilibrium $\tilde{E}_{\rm B}$ in continuous time I. Light blue areas indicate where $\tilde{E}_{\rm B}$ is asymptotically stable and A_1 cannot invade ($\tilde{\nu}<0$; $\tilde{\nu}$ as in Eq. 91, File S1). Orange areas indicate where $\tilde{E}_{\rm B}$ is unstable and A_1 may potentially invade ($\tilde{\nu}>0$). The black curve represents the critical recombination rate \tilde{r}_B given in Eq. (93), as a function of the migration rate. The selection coefficient a in favour of A_1 is 0.02 throughout, the selection doefficient b in favour of B_1 is 0.03 in the first row (A–C) and 0.1 in the second (D–F). In each row, the continental frequency of B_1 increases from left to right, taking values of $q_c=0.01$ in (A) and (D), $q_c=0.2$ in (B) and (E), and $q_c=0.8$ in (C) and (F).