Figure S21 Mean invasion probability of A_1 with linkage to a background polymorphism compared to no linkage. Curves show the ratio of the weighted mean invasion probability, $\bar{\pi}$, divided by that of the one-locus model, π_{OLM} ($r = 0.5$). The ratio was computed from numerical solutions to the branching process (Eq. 3) and is shown as a function of the migration (m) and recombination (r) rate in panels (A) and (B), respectively. The vertical dashed line in panel (A) shows the critical migration rate $a/(1-b)$, beyond which allele A_1 cannot be established under the deterministic one-locus model. In panel (B), for $m = 0.018$ (blue curve), allele A_1 can be established independently of r. For stronger migration (green and orange curves), A_1 can be established only if r is below a critical value (where the green and orange curves cross the x-axis, respectively). Other parameter values are $a = 0.02$, $b = 0.04$, and $q_c = 0$. Compare to Figure 7 for the relative effect of m on mean extinction time.