

Figure S1 Joint density of the frequency M of the most frequent allele and F_{ST} in the island migration model with K=6 subpopulations, for different scaled migration rates 4Nm and mutation rates $4N\mu$. The simulation procedure and figure design follow Figure 2.

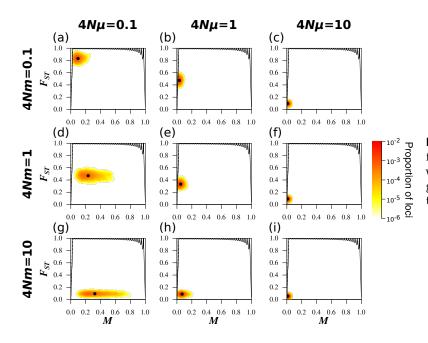


Figure S2 Joint density of the frequency M of the most frequent allele and F_{ST} in the island migration model with K=40 subpopulations, for different scaled migration rates 4Nm and mutation rates $4N\mu$. The simulation procedure and figure design follow Figure 2.

Supplementary File S1: MS commands

We applied MS, specifying the scaled mutation and migration parameters. We performed the simulations for K=2, K=6, and K=40 subpopulations. For each command, we replace x by the desired $4N\mu$ value and y by the desired 4Nm value.