Table S2.	Changes	in f_A	caused by	v deviations	from the sy	mmetric fi	ive-island	model.
		JA						

A .			
	Population size	Population A	Population B
	0.2N	0.495	1.101
	N	1	1
	5N	2.014	0.819

В.

Relative		
migration rate	Into A	Out of A
5	0.906	1.380
10	0.875	1.523
50	1.087	1.328

 $\mathbf{C}.$

Population age		
(generations)	Population A	Population B
6N	1.101	1.101
9N	0.958	1.160
12N	1.195	1.122

Each cell reports an estimate, by simulation, of f_A/f_{A0} , where f_A is the fraction of disrupting recombination events toggling the outgroup status of population A which also occur in a lineage ancestral to population A, under the indicated model; f_{A0} is the analogous quantity for a five-island population model with constant, symmetric migration with parameter M = 0.1 and reference effective population size N per population, which reverts to a fully pannictic population 12N generations ago. Under this model, $f_{A0} = 0.287$.

A. One population has a different effective population size. The first column perturbs the population size of the population experiencing the disrupting recombination event, denoted A, while the second column perturbs the population size of one of the other four populations, denoted B.

B. The population whose outgroup status is disrupted, A, experiences higher incoming (first column) or outgoing (second column) migration rates, relative to the other populations.

C. An alternative model in which certain populations have an older origin. In the first column, each island joins a single, panmictic, population 6N generations ago, with the exception of population A, which joins the panmictic population at the time indicated. In the second column, it is instead one of the other four populations, which we call B, that joins the ancestral panmictic population farther back in time.