



Figure S2 Precision and accuracy of our estimator $\hat{F}_{ST}^{\text{pool}}$ as a function of pool size and coverage, with experimental error rate ϵ varying from 0 to 0.5 (A–E). Each density plot, which represents the root mean squared error (RMSE) of the estimator $\hat{F}_{ST}^{\text{pool}}$, was obtained using simple linear interpolation from a set of 44×44 pairs of pool size and coverage values. For each pool size and coverage, 500 replicates of 5,000 markers were simulated from an island model with $n_d = 8$ demes. Plain white isolines represent the RMSE of the WC_{84} estimator computed from Ind-seq data, for various sample sizes ($n = 5, 10, 20$, and 50). Each isoline was fitted using a thin plate spline regression with smoothing parameter $\lambda = 0.005$, implemented in the `fields` package for R.