Figure S1 ML estimate of the disequilibrium coefficient. The ML estimate of the disequilibrium coefficient D_A as a function of the minor-allele frequency is shown when D_A is A) minimized, B) equal to zero (Hardy-Weinberg equilibrium), or C) maximized. The results are conditioned on significant polymorphism at the 5% level. The mean and standard deviation of the estimated D_A are shown by the point and bar (gray for mean 3× and black for mean 10×), respectively. A, C) The curve represents the ideal situation where the ML estimate is equal to the true value. B) The true value of D_A is zero (shown by the line). Number of sampled individuals N = 100, error rate ε = 0.01. A total of 10,000 simulation replications were run for each set of parameter values.

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