



Figure S1: **Estimated recombination fractions, \hat{r} , of excess heterozygosity versus Mendelian expectations for $t = 3$.** Recombination fractions estimated from genotype frequencies under Mendelian expectations ($h=0.5$) versus under modeling a global heterozygosity advantage ($h=0.6373$) at generation $t = 3$ of a selfing population. This shows that if the population was retaining excess heterozygosity (at a rate of 63.73% each generation as opposed to the Mendelian 50%), then estimating recombination fractions under Mendelian expectations would shrink the map if observed at generation $t = 3$.