Supporting Information

## Ågren et al. 10.1073/pnas.1316773110
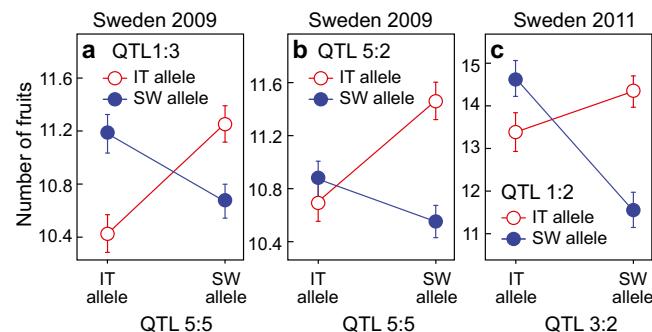
Fig. S1. Interaction plots for the three detected epistatic interactions among fitness quantitative trait loci (QTL). Two epistatic interactions were detected in the 2009 experiment in Sweden (*A* and *B*) and one in the 2011 experiment in Sweden (*C*).
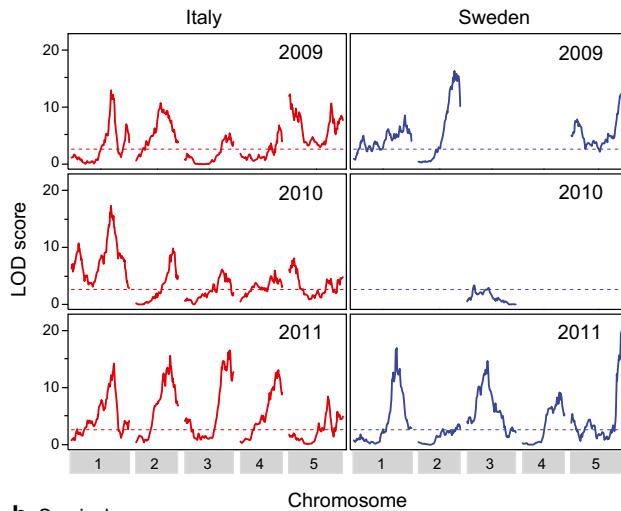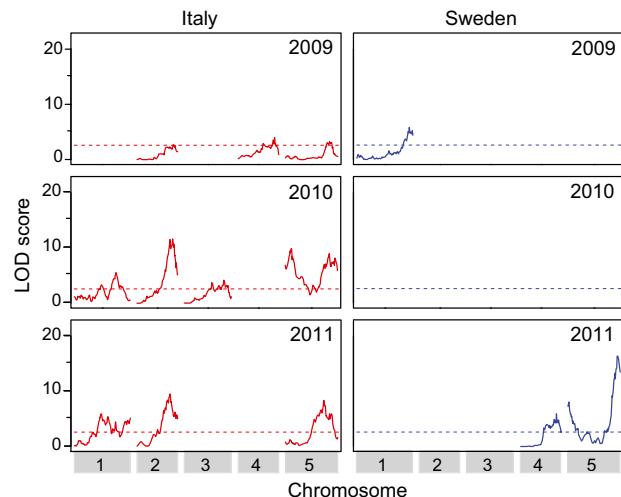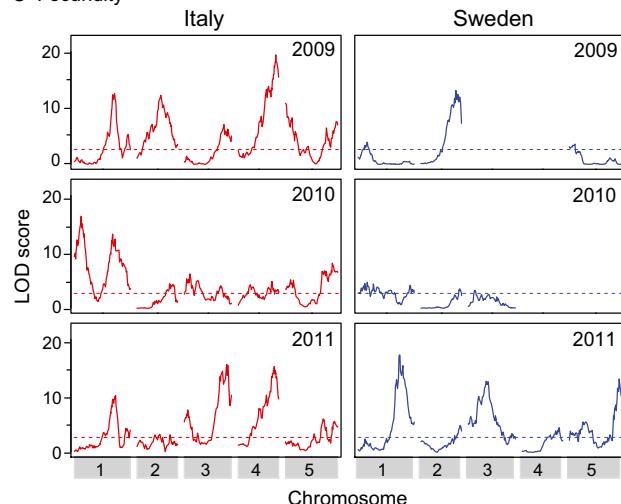
Fig. S2. Logarithm of the odds (LOD) profiles from multiple-QTL models of total fitness, survival, and fecundity in the 2009, 2010, and 2011 experiments conducted in Italy and Sweden. (*A*) Total fitness (quantile-normalized). (*B*) Survival (quantile-normalized). (*C*) Fecundity (quantile-normalized).
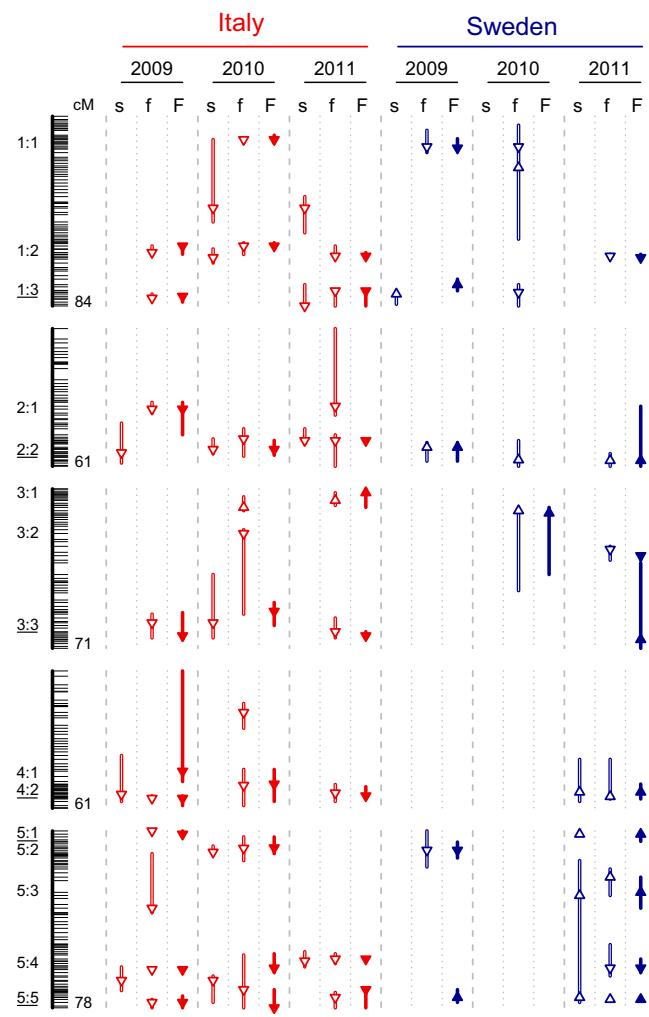
Fig. S3. Location and direction of effect of QTL for survival (s), fecundity (f), and total fitness (F) in the 2009, 2010, and 2011 experiments in Italy and Sweden in analyses conducted by site and year. The arrow indicates the estimated location and the effect of the Swedish allele (upward, positive; downward negative), and the vertical line gives the 95% Bayesian credible interval. Open arrows and lines are used for fitness components (s and f) and filled symbols for total fitness. The locations of the 15 distinct QTL identified for fitness are indicated to the left of each of the five linkage groups. The six QTL that displayed a fitness tradeoff are underlined.

Other Supporting Information Files