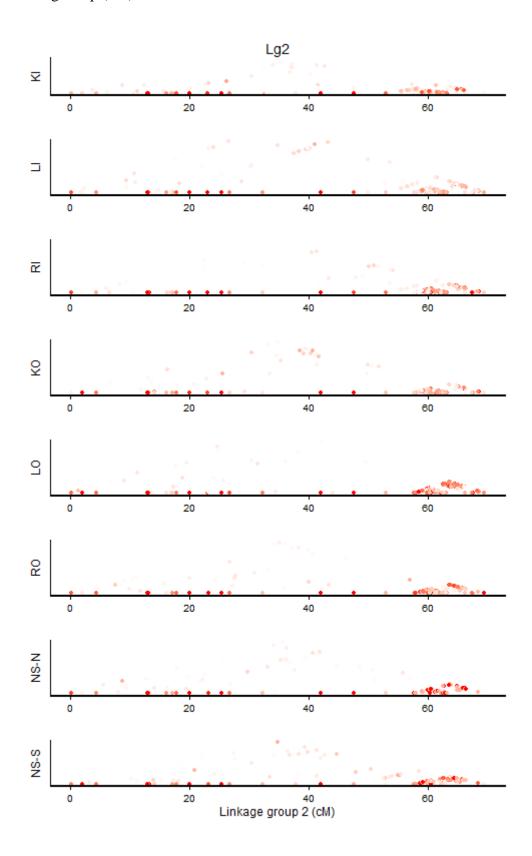
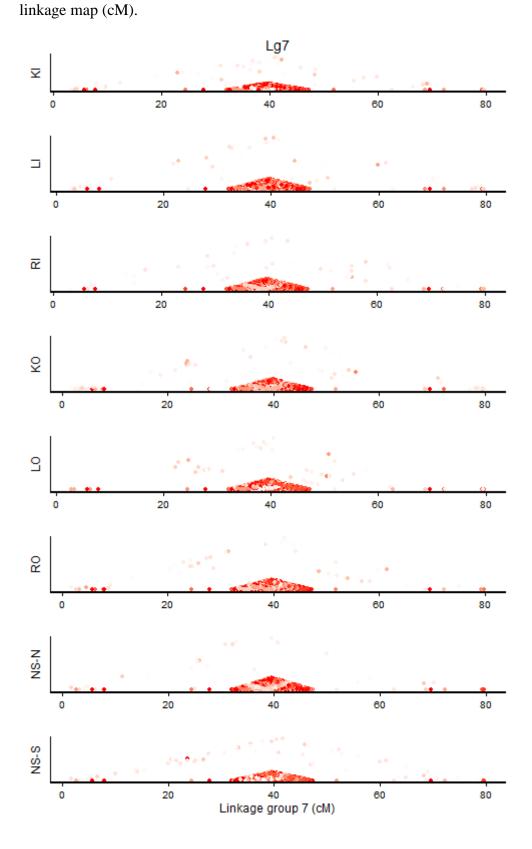
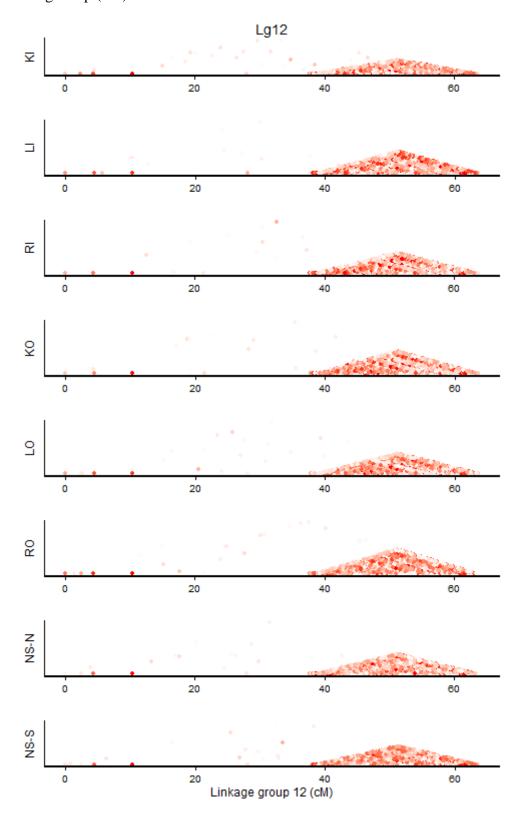
Supplementary Fig. S1. Linkage disequilibrium on Atlantic cod linkage group 2 SNP pairs showing high composite linkage disequilibrium (CLD>0.5) within sampling sites (Table 1) are indicated on a white (CLD=0.5) to red (CLD=1) scale according to a preliminary linkage map (cM).



Supplementary Fig. S2. Linkage disequilibrium on Atlantic cod linkage group 7 SNP pairs showing high composite linkage disequilibrium (CLD>0.5) within sampling sites (Table 1) are indicated on a white (CLD=0.5) to red (CLD=1) scale according to a preliminary

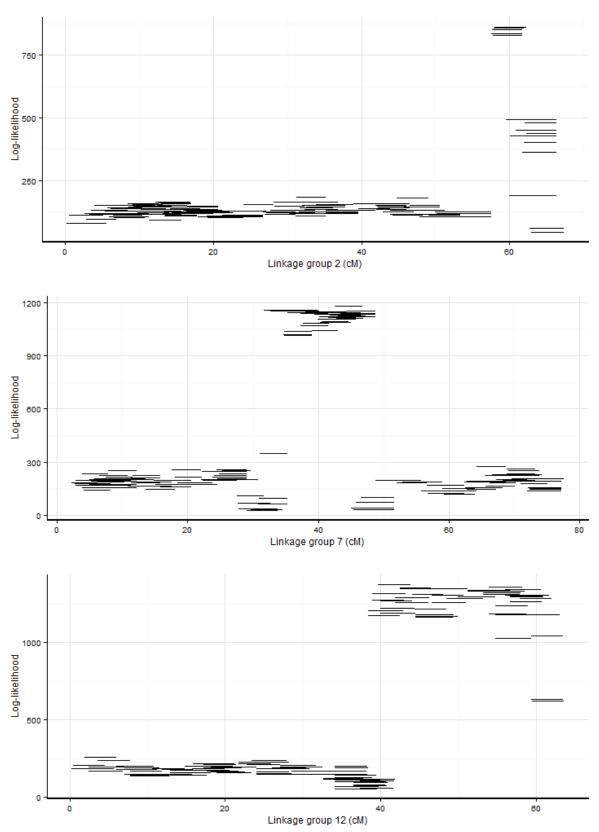


Supplementary Fig. S3. Linkage disequilibrium on Atlantic cod linkage group 12 SNP pairs showing high composite linkage disequilibrium (CLD>0.5) within sampling sites (Table 1) are indicated on a white (CLD=0.5) to red (CLD=1) scale according to a preliminary linkage map (cM).



Supplementary Fig. S4 Probabilistic scan for inverted haplotypes

Sliding window analyses for inverted haplotypes, for window size of 4cM, are presented for linkage group 2 (top), 7 (middle) and 12 (below).



Supplementary Fig. S5 Identification of inversion genotypes

Principle component analyses were conducted for identification of inversion genotypes, and principle component 1 (PC1) and 2 (PC2) are presented for the rearranged segments of linkage group 2, 7 and 12.

