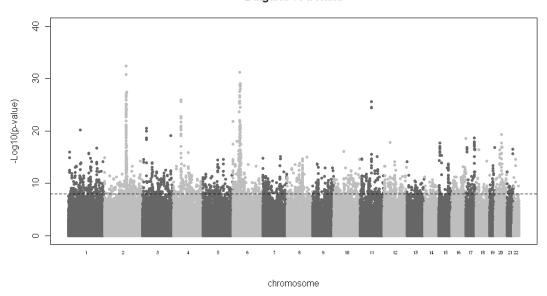
**Supplementary Figure 1**. Significance of all pair-wise population comparisons vs genomic position with the scaled down sample sizes.

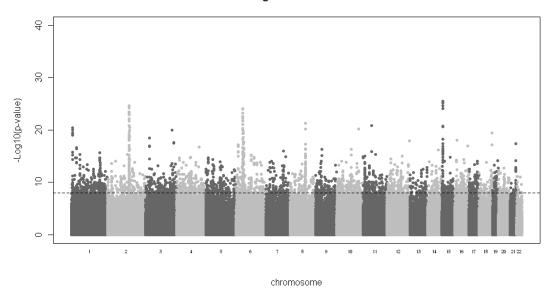
A.

Bulgaria vs Ireland

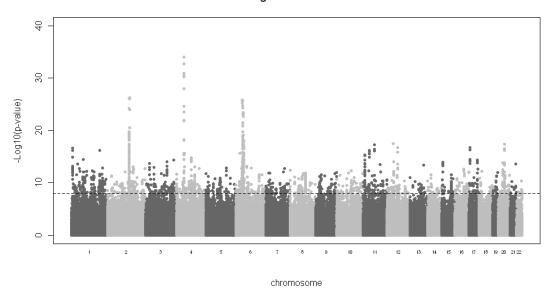


B.

Bulgaria vs Sweden

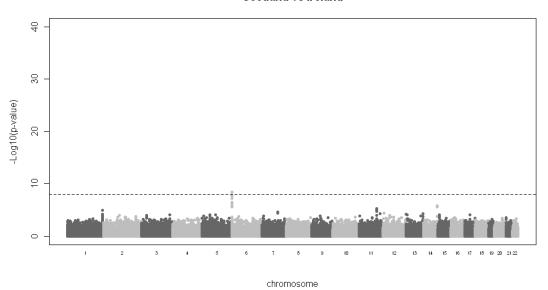


Bulgaria vs Scotland

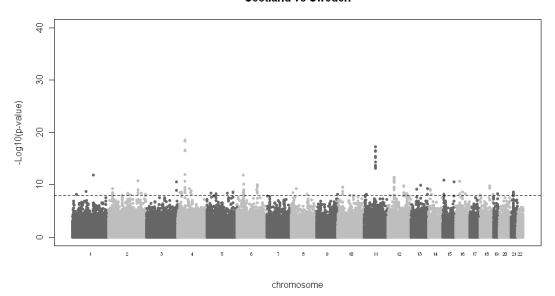


D.

#### Scotland vs Ireland

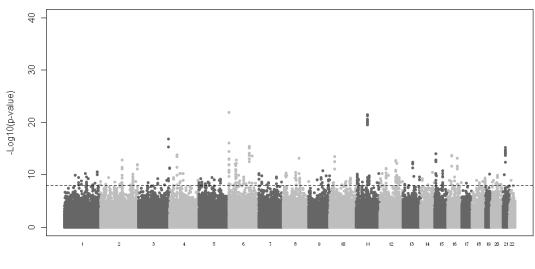


### Scotland vs Sweden



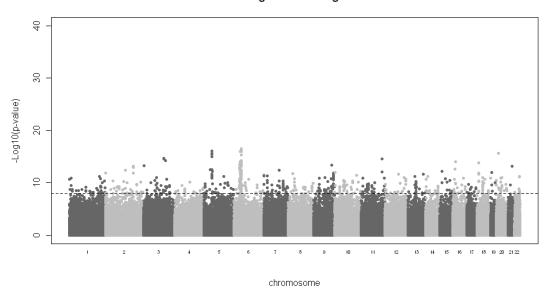
F.

## Ireland vs Sweden



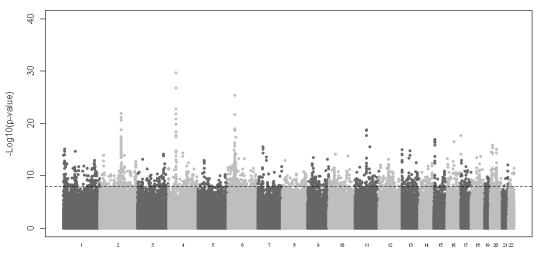
chromosome

Bulgaria vs Portugal



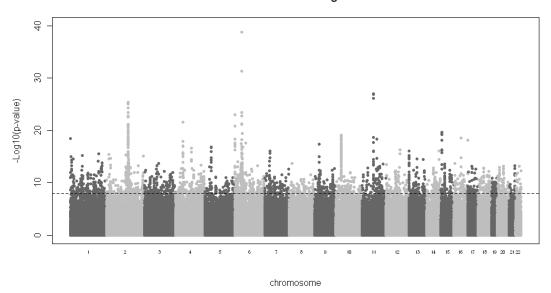
H.

# Scotland vs Portugal



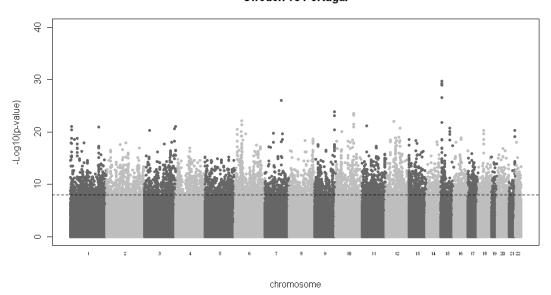
chromosome

## Ireland vs Portugal



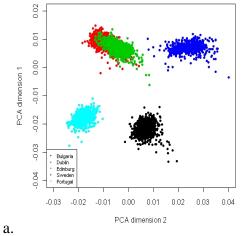
J.

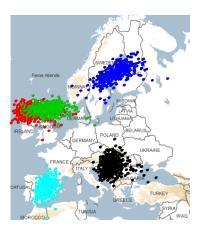
### Sweden vs Portugal



**Supplementary Figure 2**. Principal component analysis performed on 101532 SNPs with r<sup>2</sup> smaller or equal 0.5 merged with the map of Europe (http://www.multimap.com).

b.





**Supplementary Figure 3.** Genetic region around 11 top-ranked loci. Vertical bars indicate the strength of the stratification for each SNP, on a scale of 0 - 80 for the  $-\log(p, 10)$ .

