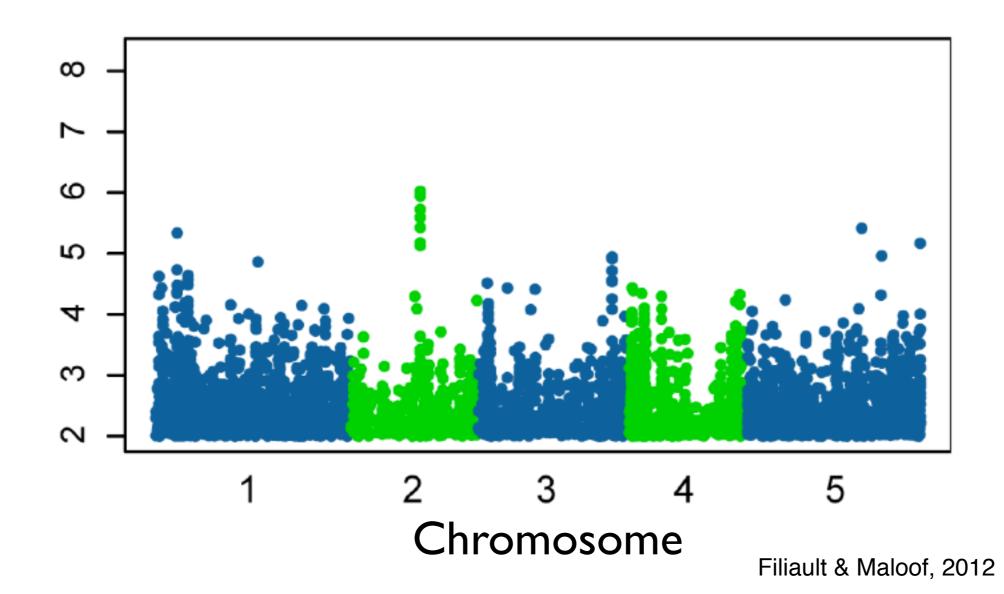
## Association Mapping vs Genome-Wide Association Mapping

- For GWAS repeat the analysis for SNPs across the whole genome.
- Can plot the results as a manhattan plot:
  - each point is a SNP
  - X-axis is position in the genome. In this case there are 5 chromosomes
  - Y-axis is -log I 0(P) for association with the trait. Higher values are more significant.



## Association Mapping: historical recombination

- Why might some SNPs be associated with a trait and not others?
- Historical Recombination!