

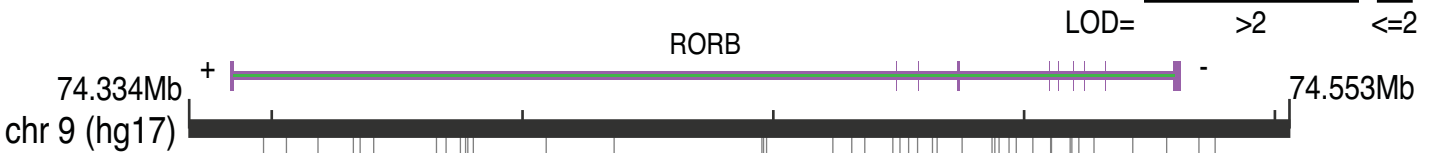
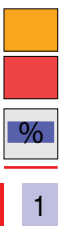
2-tailed permutation-based p-value  $\leq 0.01$

2-tailed permutation-based p-value  $\leq 0.001$

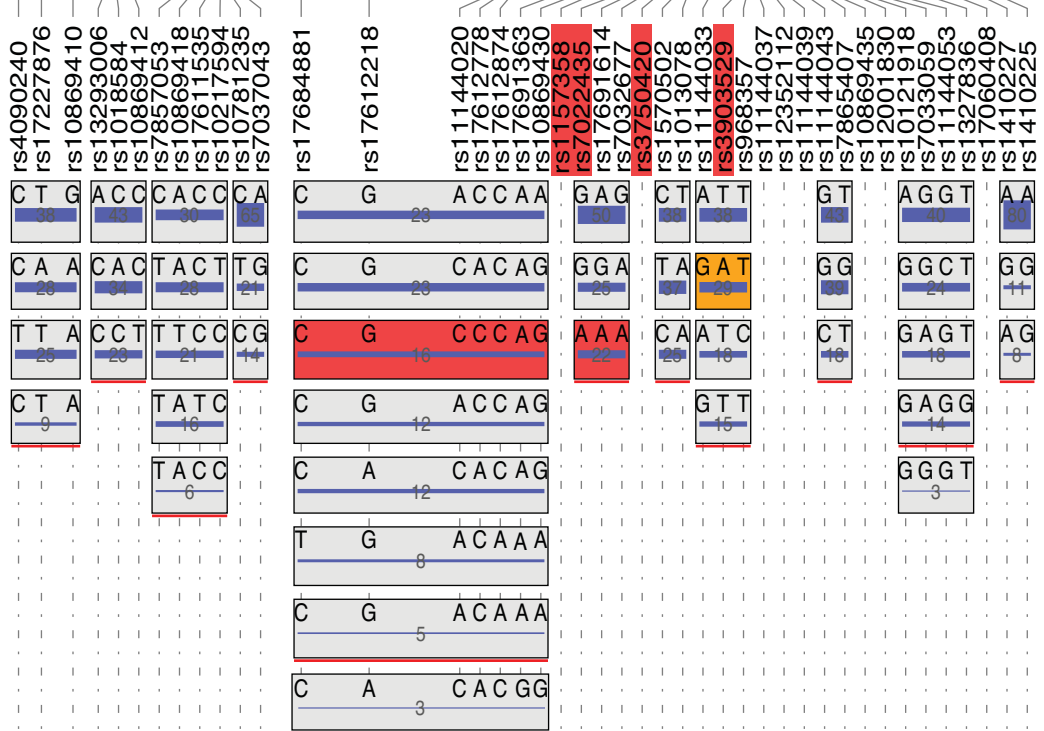
bar proportional to haplotype frequency

$\geq 95\%$  cumulative haplotype frequency

D' box shading D' = <.5 .6 .7 .8 .9 1



haplotype block structure



LD structure

