

Figs. S1-S13. Regional association plots of 13 genomic risk loci.

The index SNP, which is the SNP with the smallest p -value in the genomic risk loci defined by FUMA, was indicated by a purple circle. The association of an individual variant is plotted as $-\log_{10}(P \text{ value})$ against chromosomal position. The y axis shows the recombination rate estimated from 1000 Genomes Project EUR data. For each locus, from top to the bottom, the LocusZoom plot was derived from summary statistics of $MTAG_{LBD}$, $GWAS_{LBD}$, $GWAS_{AD}$, and $GWAS_{PD}$, respectively, with the genes located in this region presented.

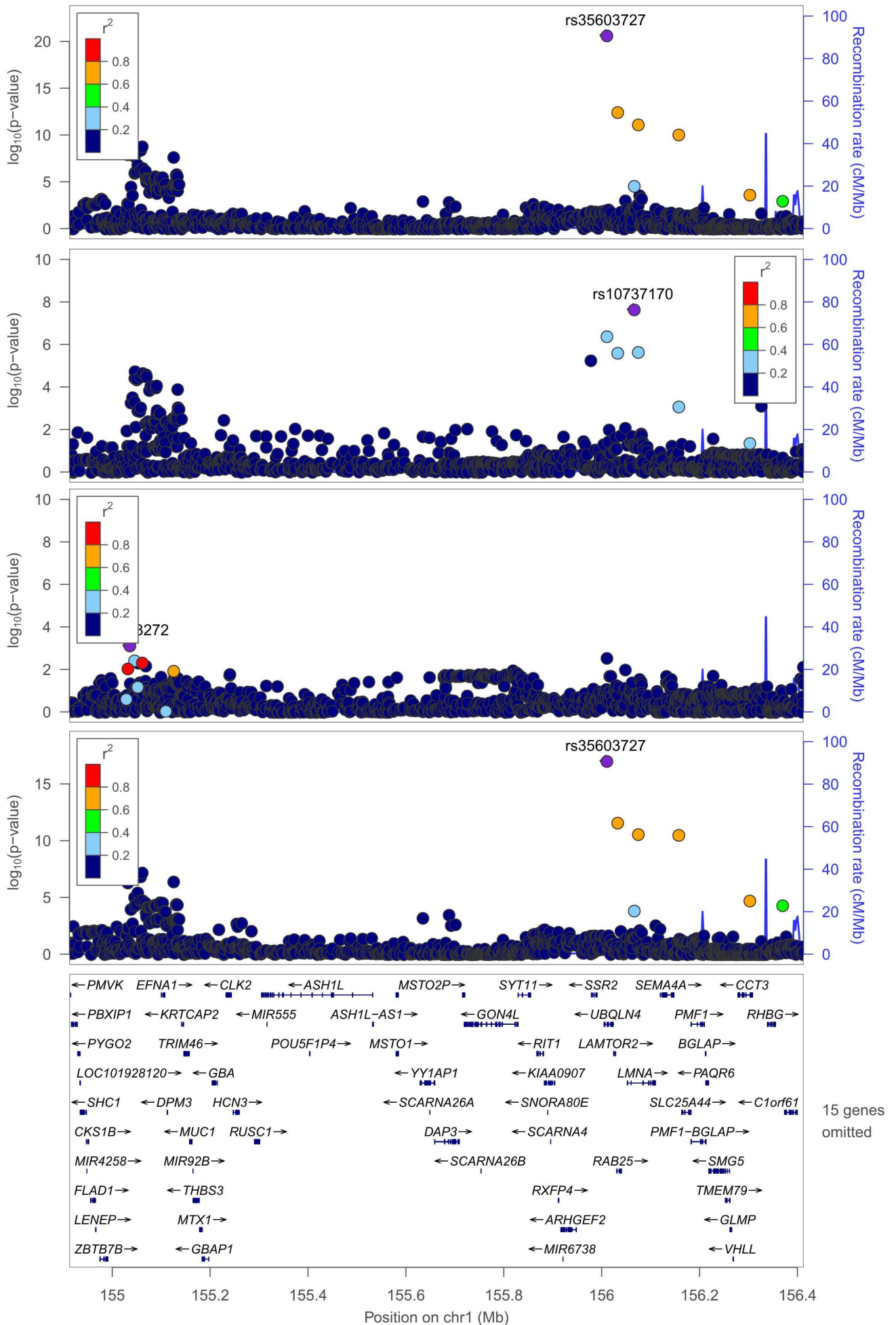


Fig. S1: The LocusZoom plot of genomic risk loci 1q22

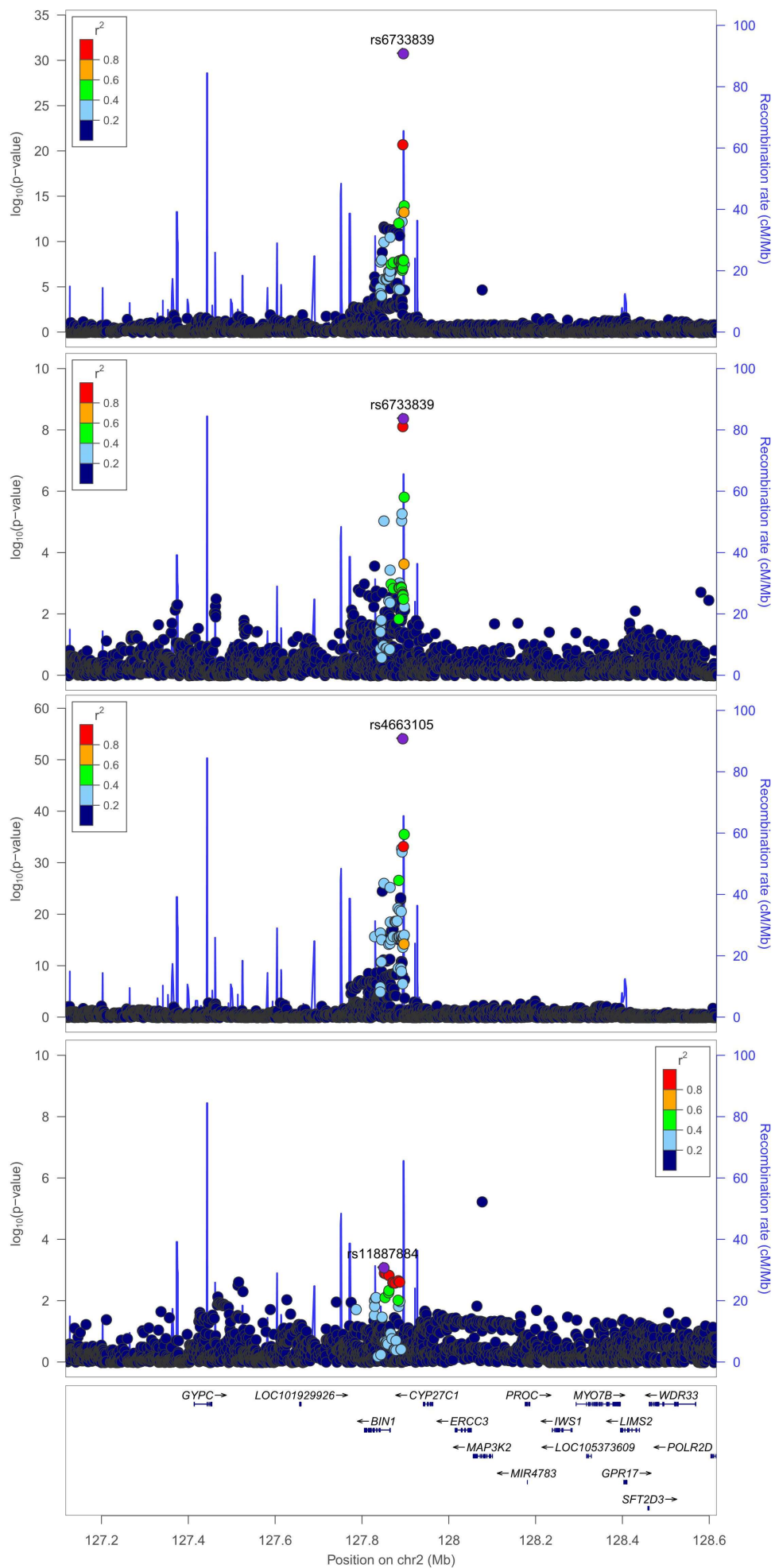


Fig. S2: The LocusZoom plot of genomic risk loci 2q14.3

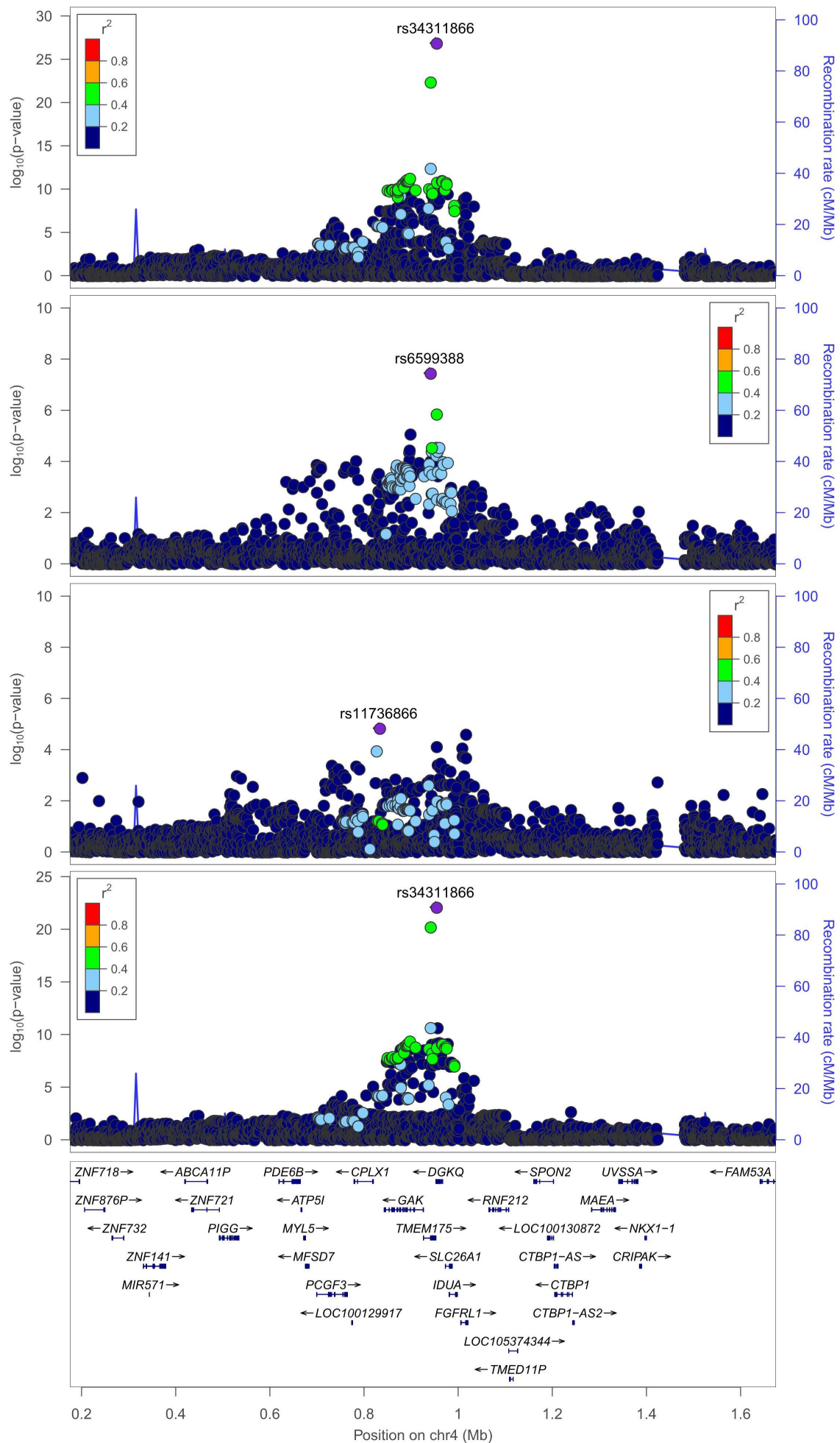


Fig. S3: The LocusZoom plot of genomic risk loci 4p16.3

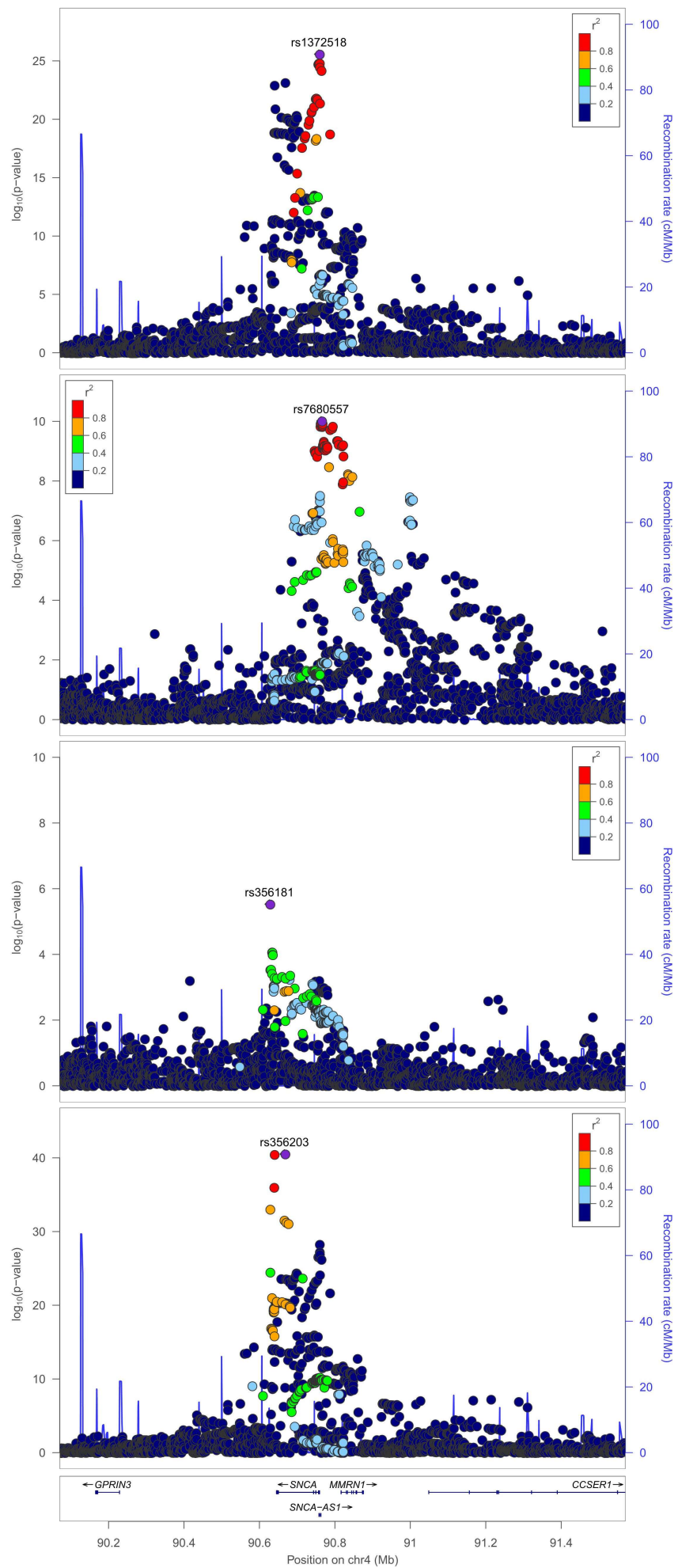


Fig. S4: The LocusZoom plot of genomic risk loci 4q22.1

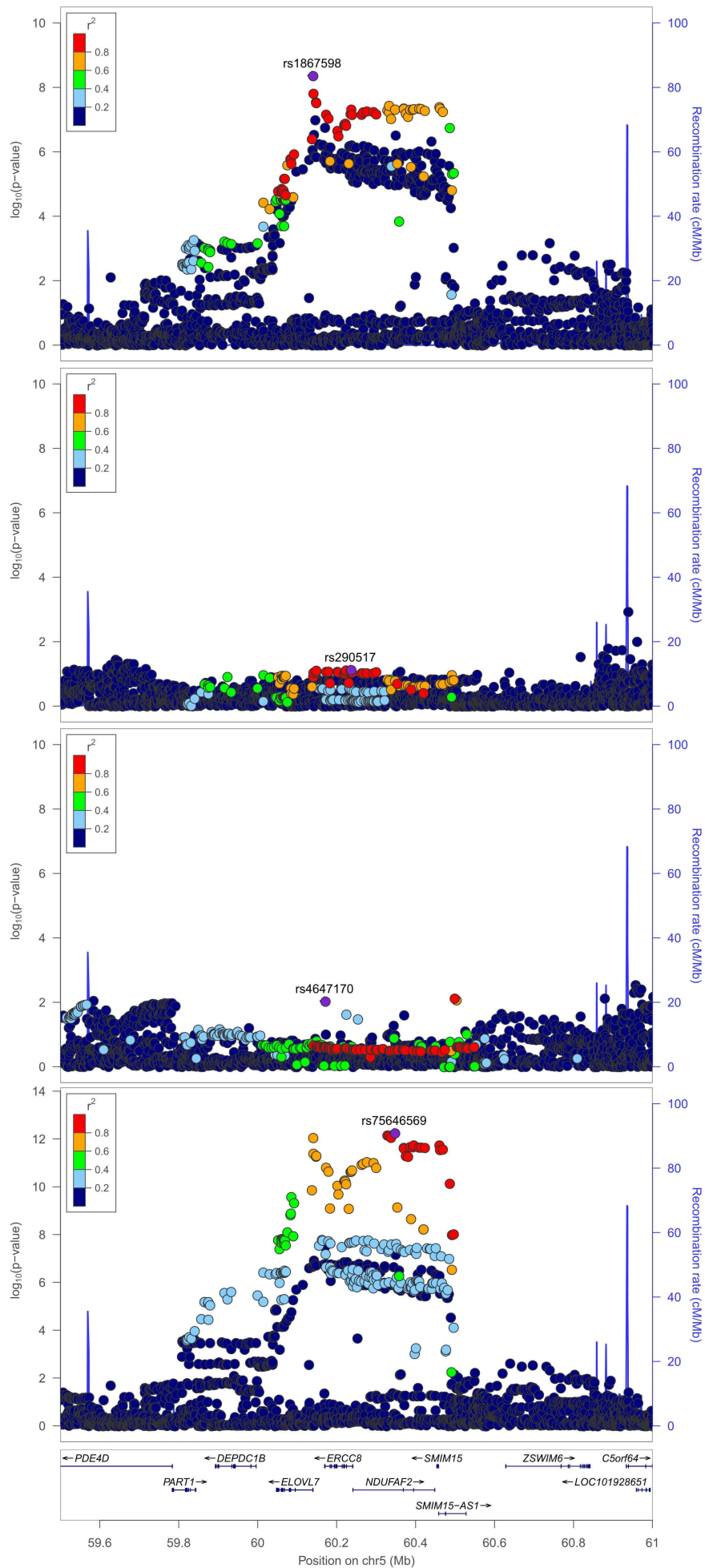


Fig. S5: The LocusZoom plot of genomic risk loci 5q12.1

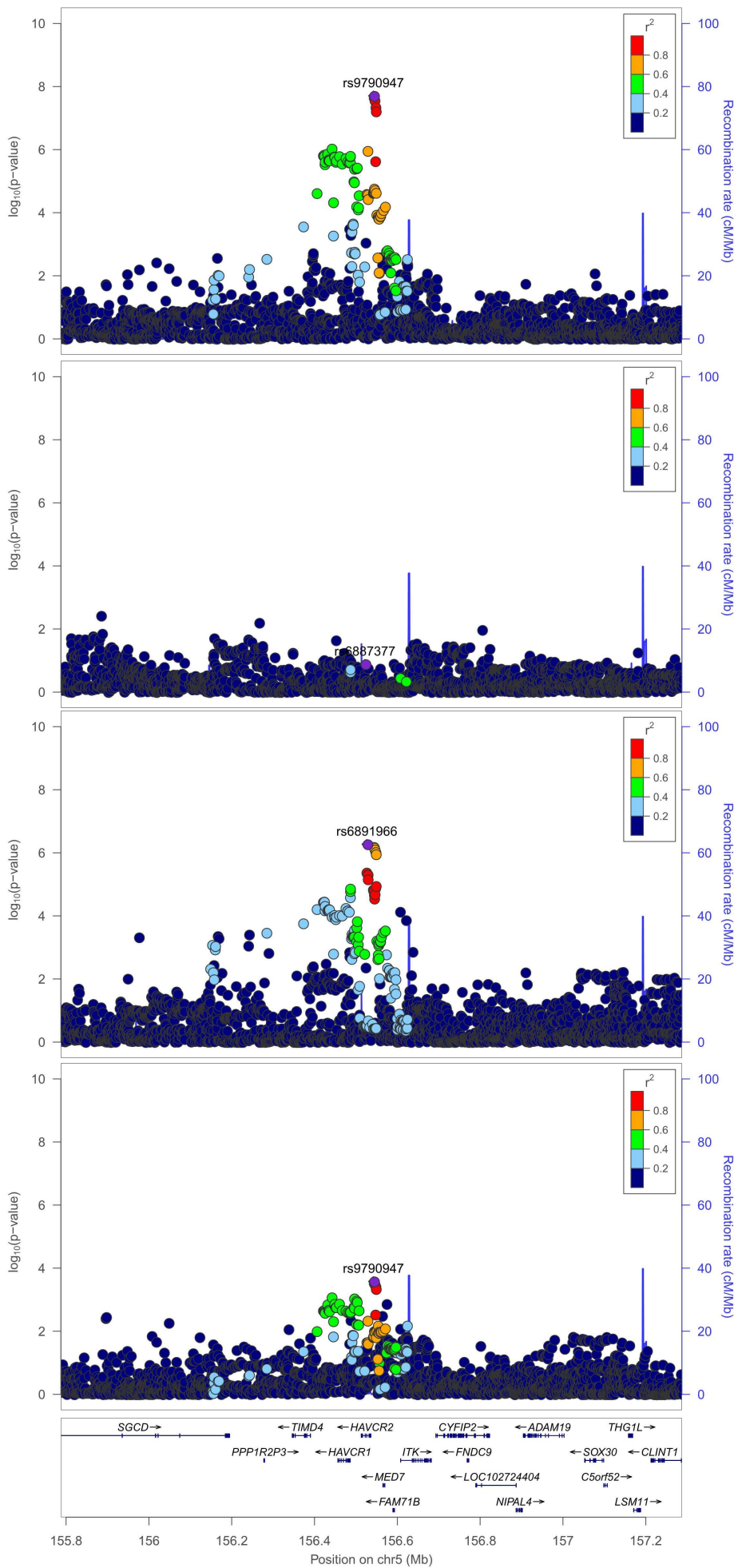


Fig. S6: The LocusZoom plot of genomic risk loci 5q33.3

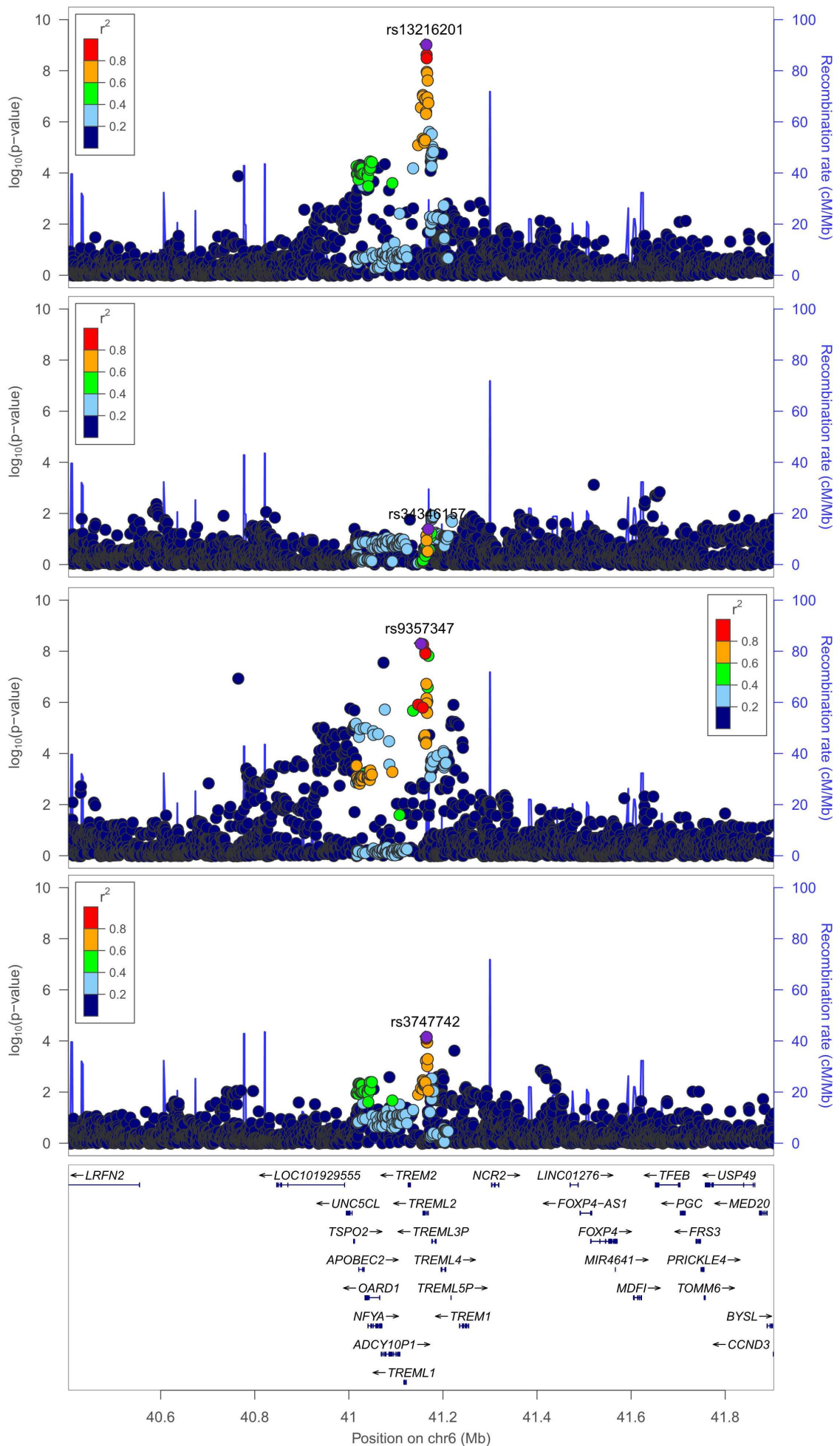


Fig. S7: The LocusZoom plot of genomic risk loci 6p21.1

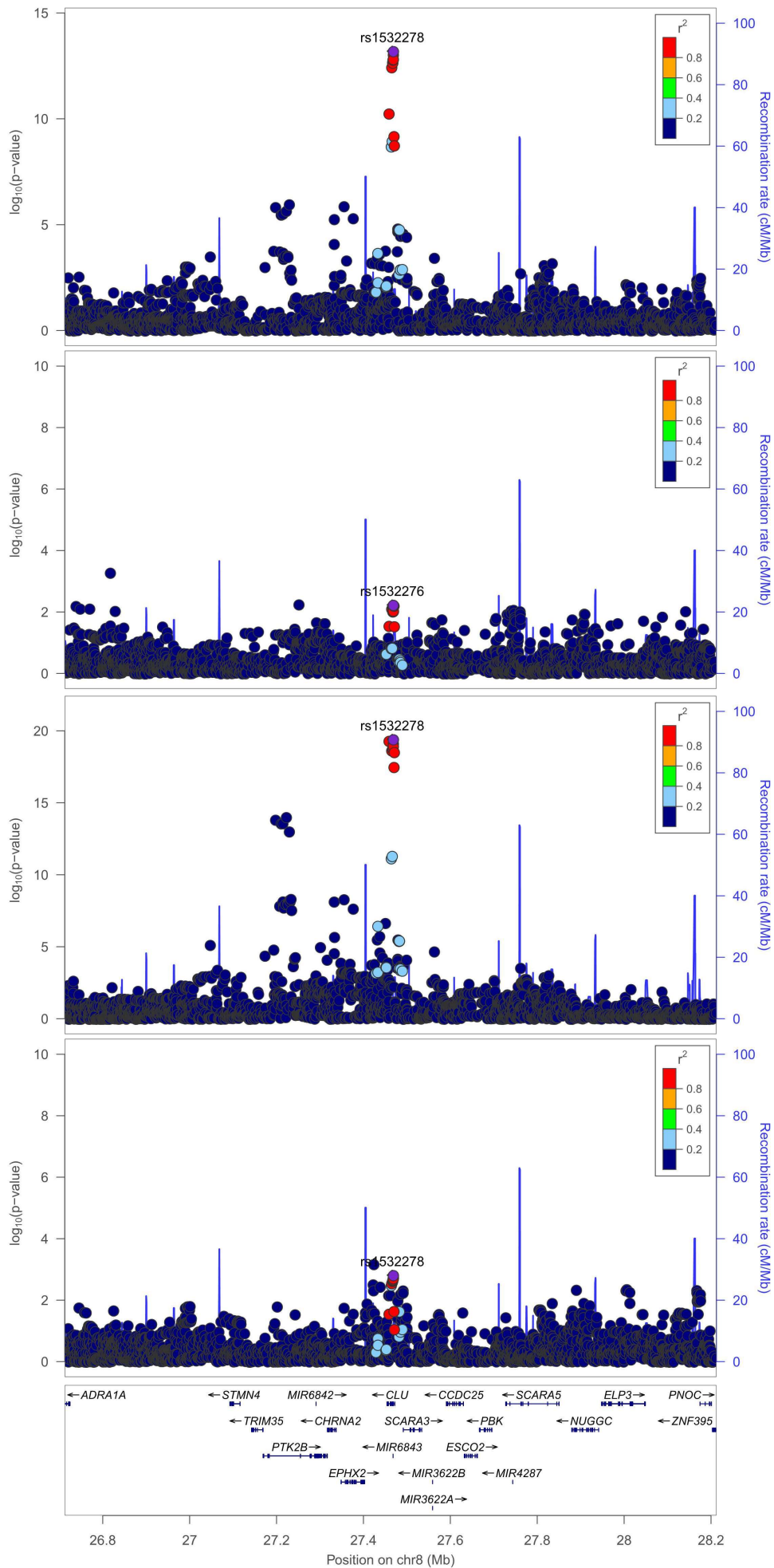


Fig. S8: The LocusZoom plot of genomic risk loci 8p21.1

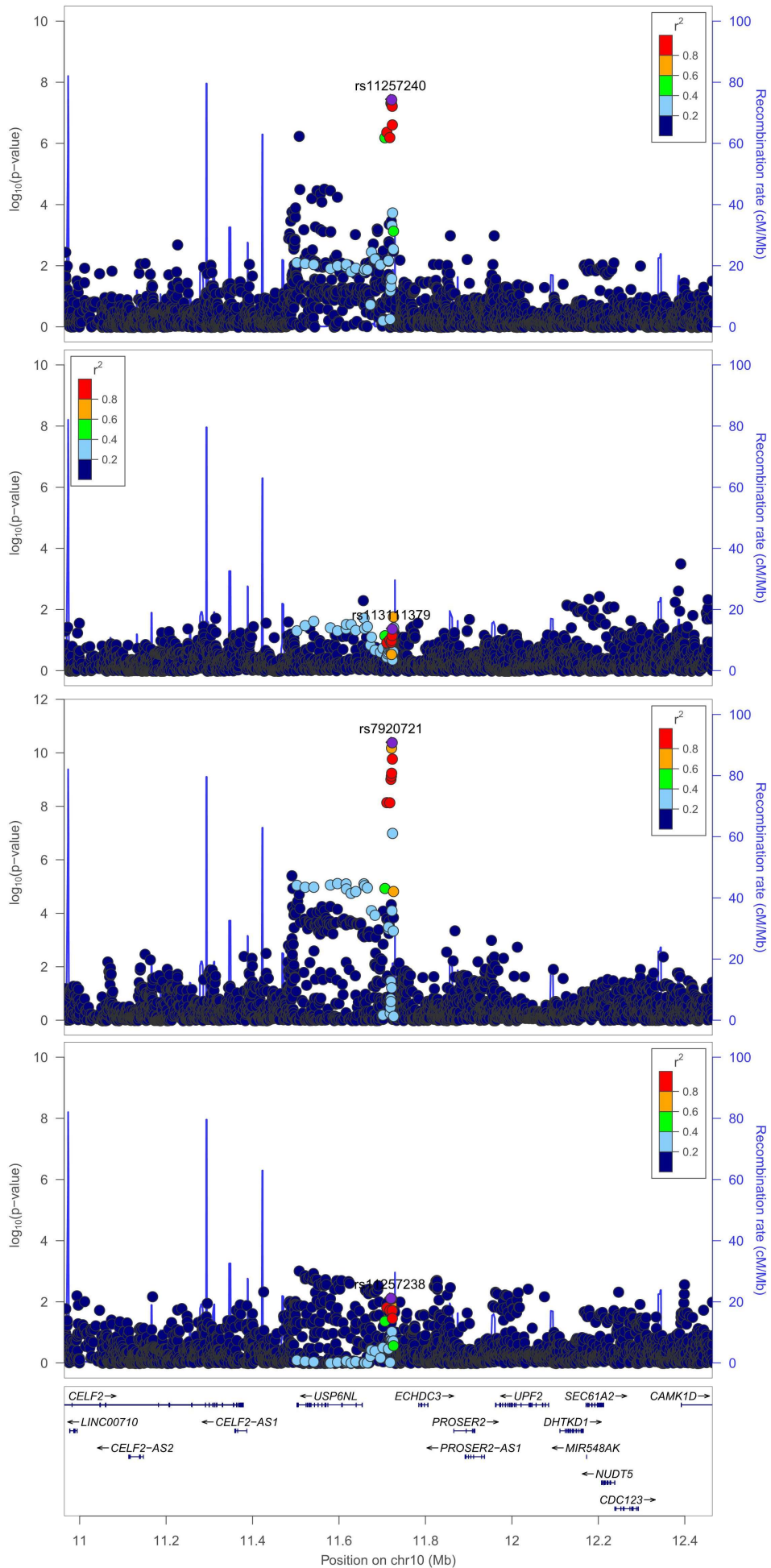


Fig. S9: The LocusZoom plot of genomic risk loci 10p14

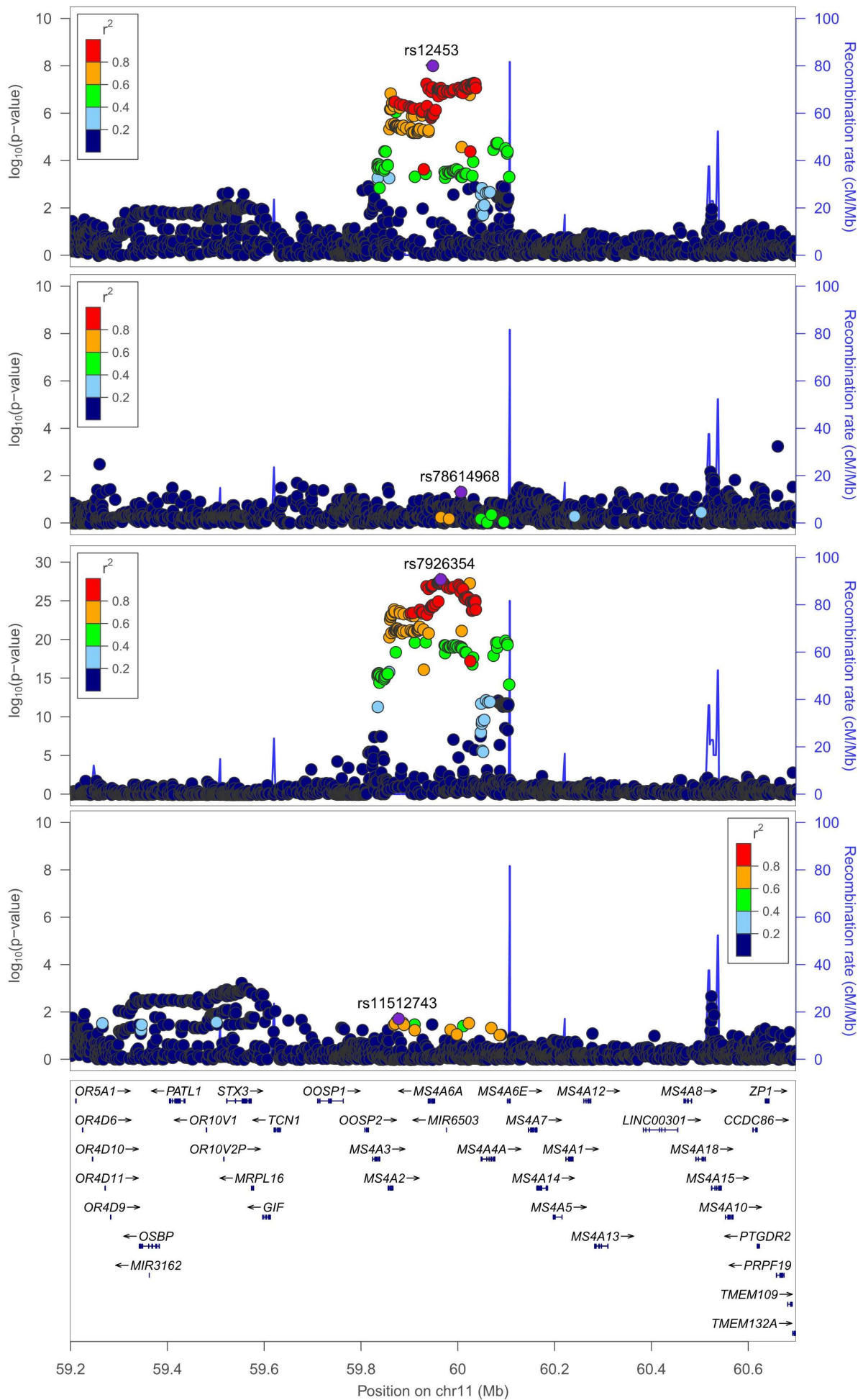


Fig. S10: The LocusZoom plot of genomic risk loci 11q12.2

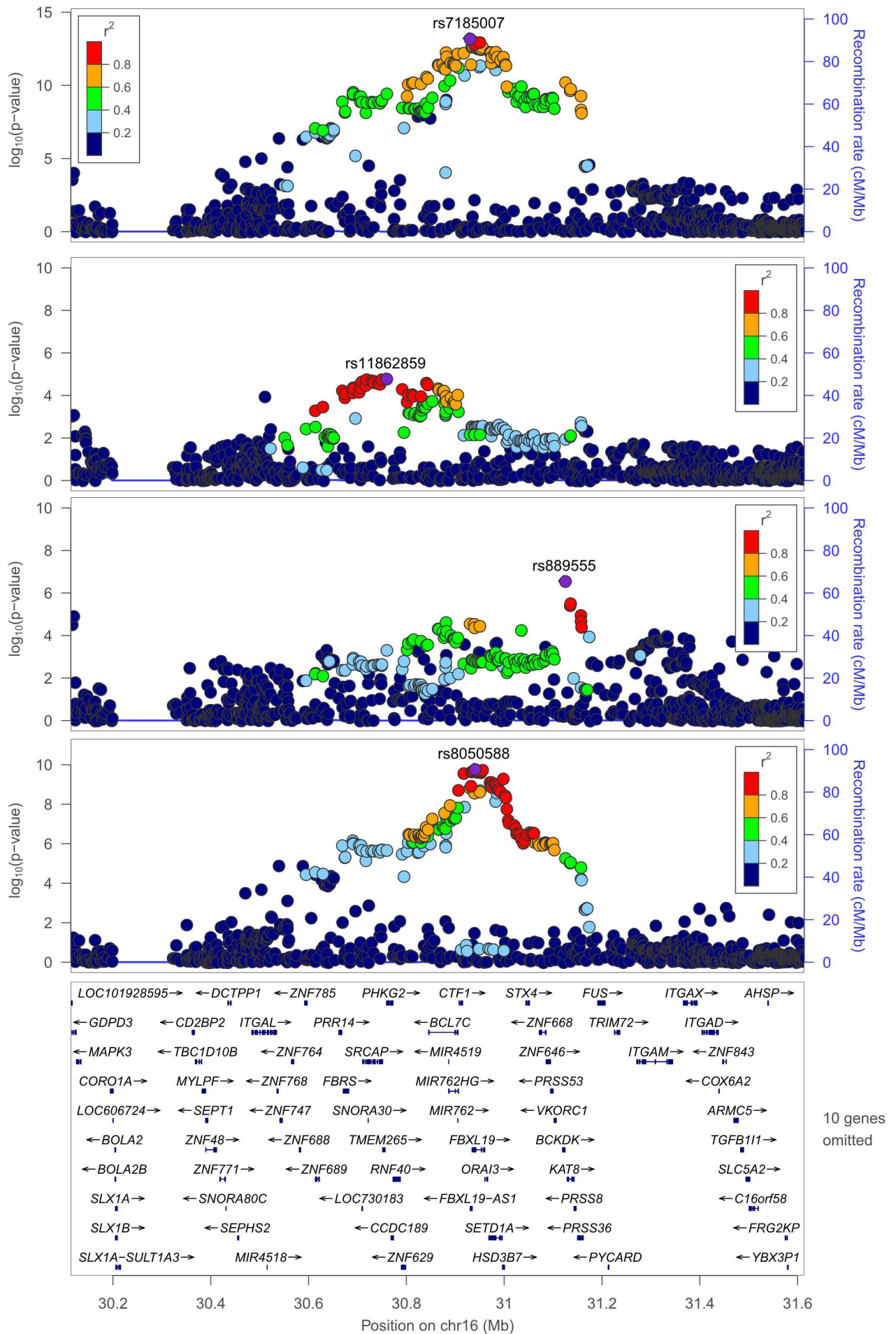


Fig. S11: The LocusZoom plot of genomic risk loci 16p11.2

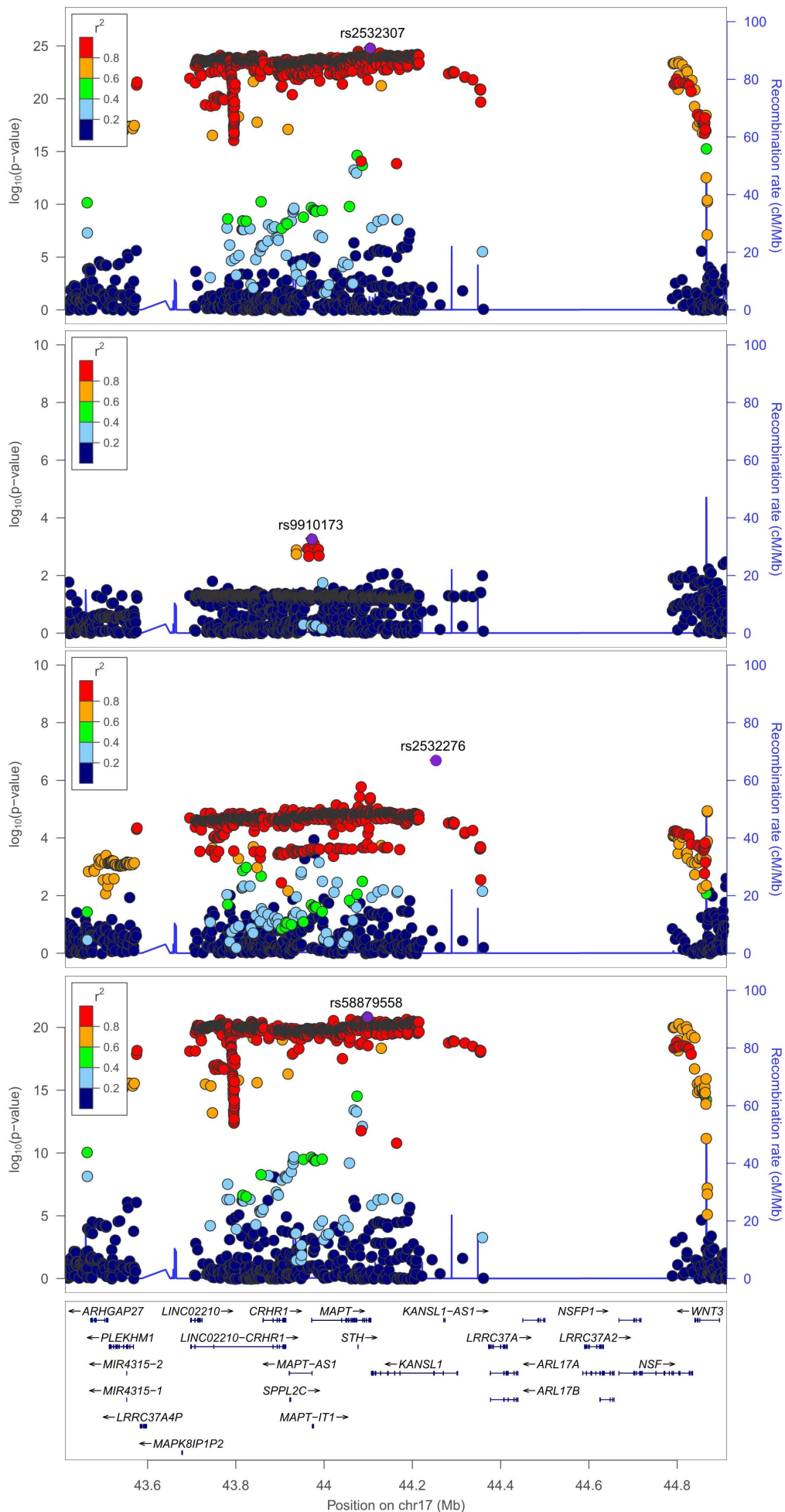


Fig. S12: The LocusZoom plot of genomic risk loci 17q21.31

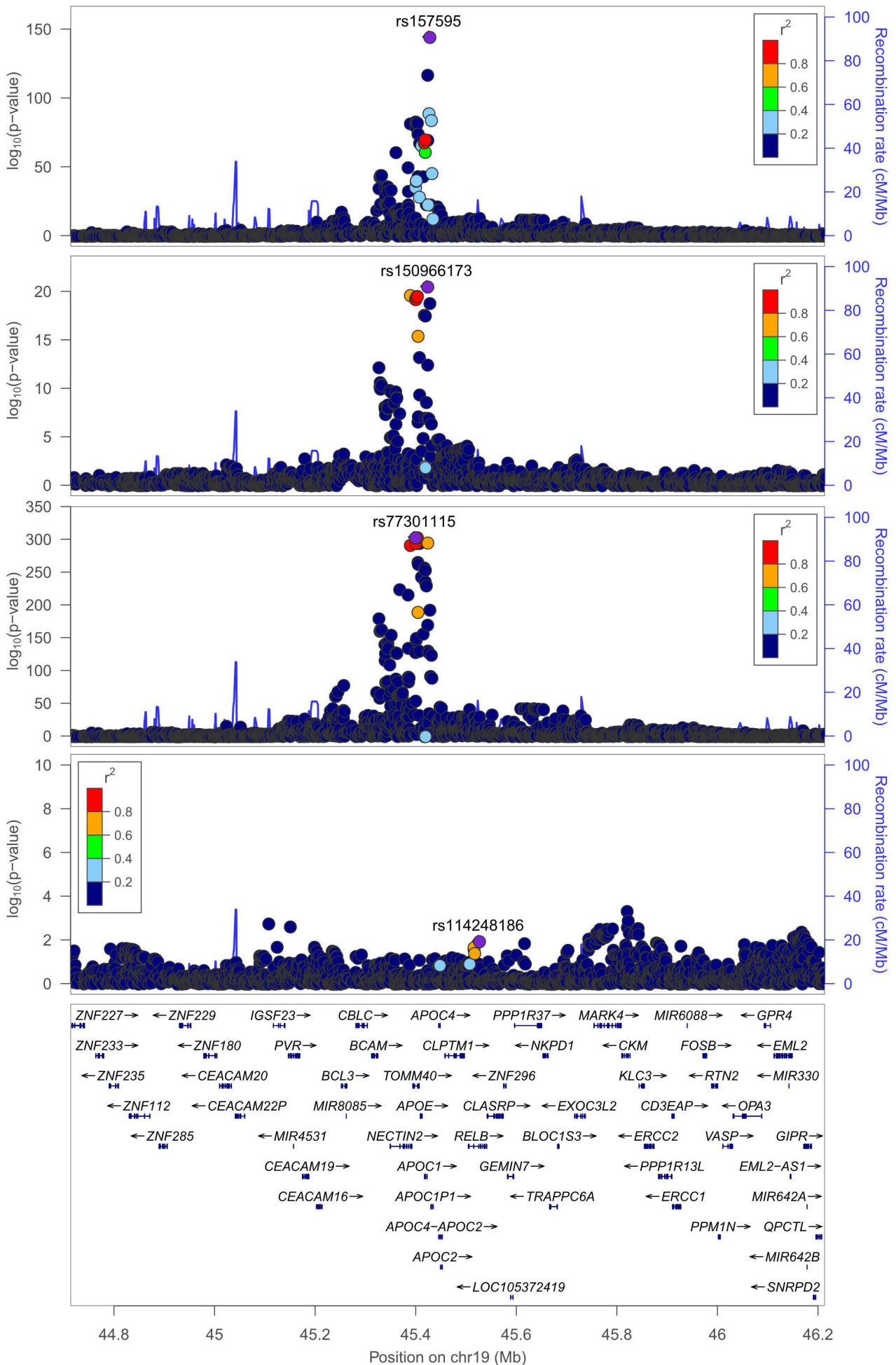


Fig. S13: The LocusZoom plot of genomic risk loci 19q13.32