

Supplementary Data 1

LocusZoom plots

Genome-wide association analyses of risk tolerance and risky behaviors in over one million individuals identify hundreds of loci and shared genetic influences

Correspondence to:

jonathan.pierre.beauchamp@gmail.com or

r.karlssonlinner@vu.nl

LocusZoom plots for the GWAS of general risk tolerance ($n = 939,908$), adventurousness ($n = 557,923$), automobile speeding propensity ($n = 404,291$), drinks per week ($n = 414,343$), ever smoker ($n = 518,633$), number of sexual partners ($n = 370,711$), and the first PC of the risky behaviors ($n = 315,894$). Each plot corresponds to one locus. Plots are grouped together by phenotype and are ordered by the genomic positions of the loci.

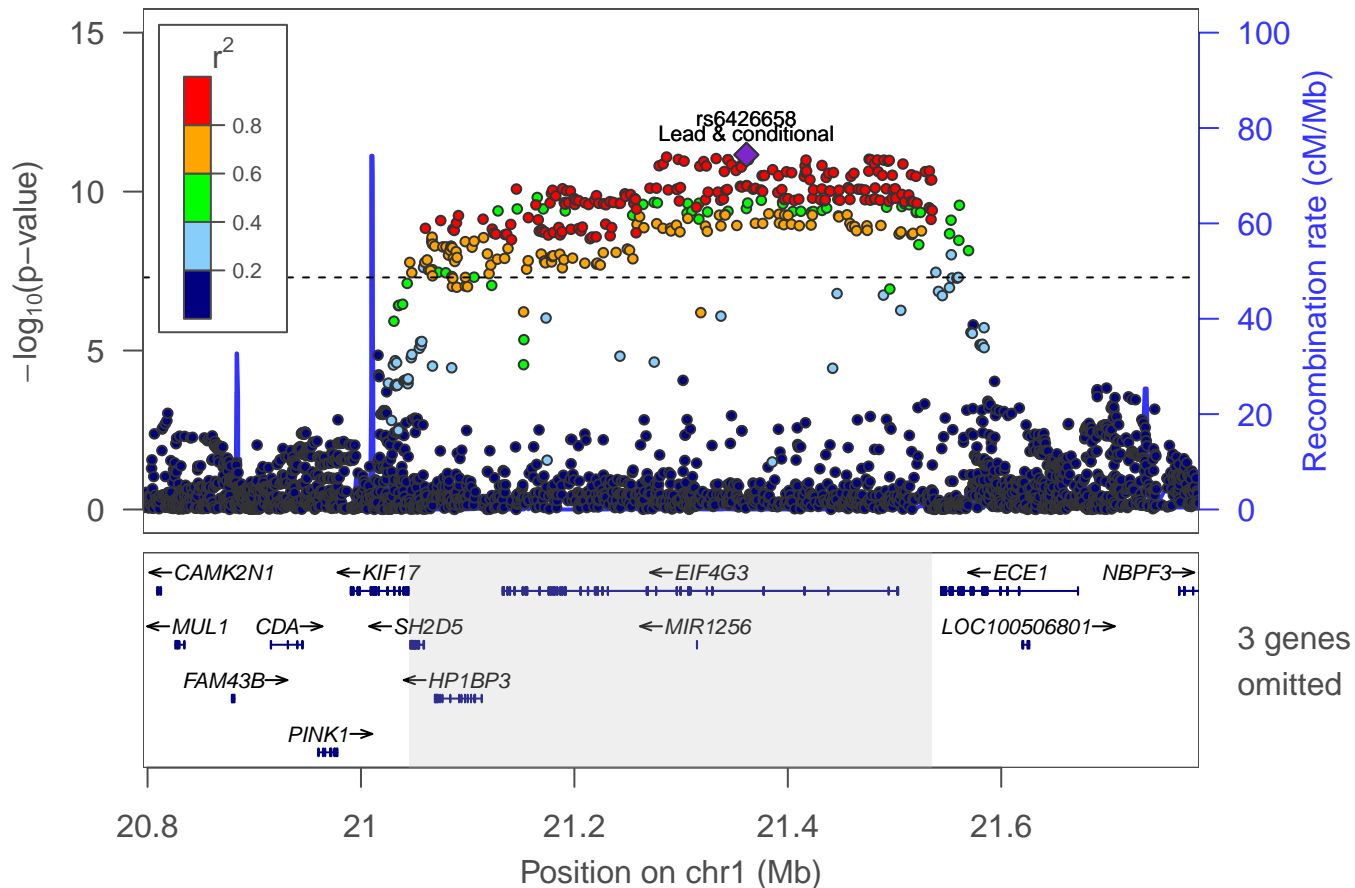
In each plot, the x -axis shows each SNP's chromosomal position (in Mb), and the y -axis shows each SNP's GWAS P value (and not its GCTA (COJO) P value) on a $-\log_{10}$ scale (based on a two-tailed z -test). The horizontal dashed line marks the threshold for genome-wide significance ($P = 5 \times 10^{-8}$). Genes contained in the locus are plotted below the main plot area. The locus is denoted by a grey rectangle in this area. A flank region of 250Kb on each side of the locus is also plotted.

Each approximately independent genome-wide significant association (“lead SNP”) is labeled “Lead”; SNPs that are genome-wide significant in the GCTA (COJO) conditional analysis are labeled “Conditional”; SNPs that are both lead SNPs and significant in the GCTA (COJO) conditional analysis are labeled “Lead & conditional”. All three of these types of “reference SNPs” are marked with a large diamond (◆). For plots with multiple reference SNPs, LD information for each non-reference SNP is plotted with respect to the reference SNP in highest LD with the non-reference SNP.

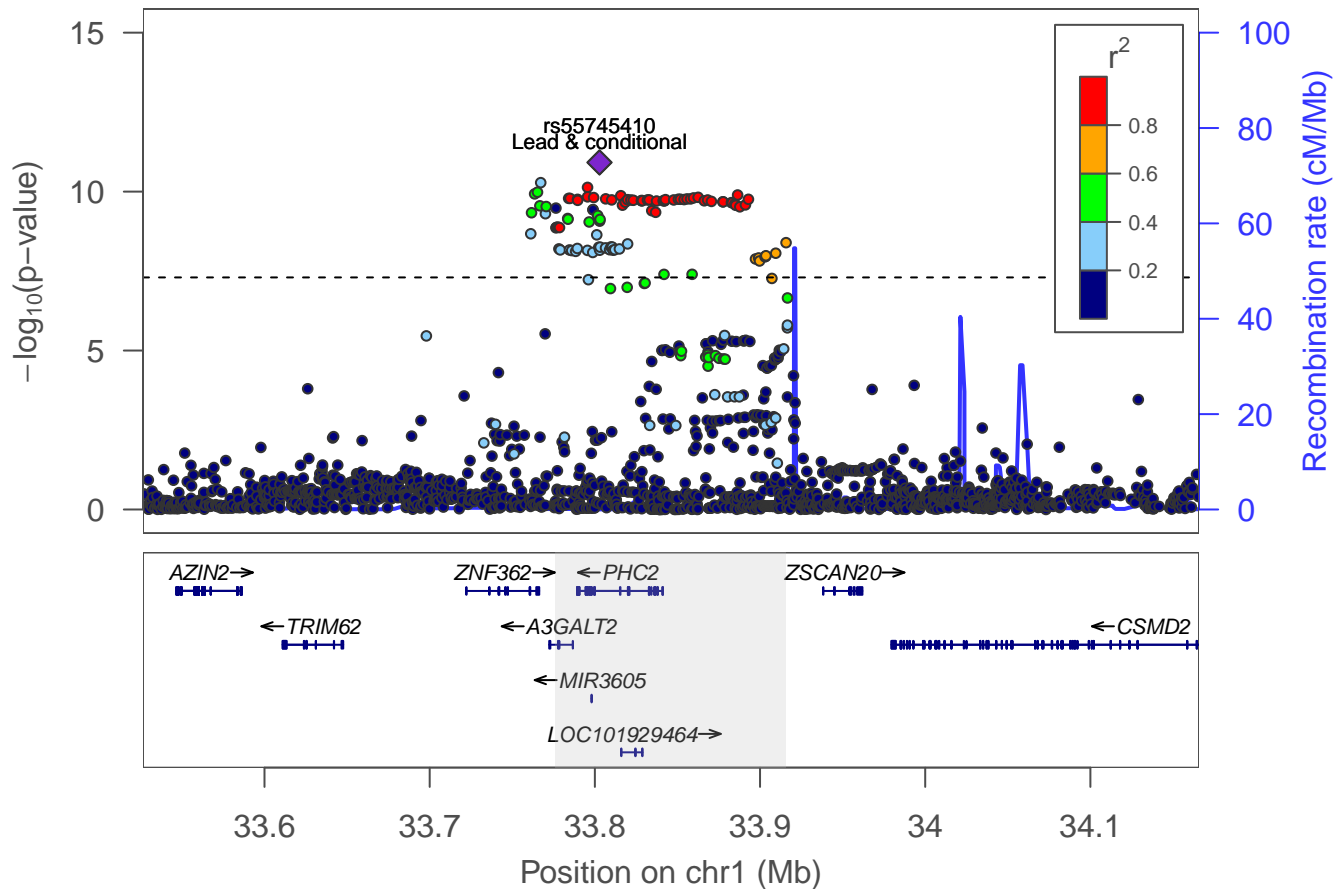
See **Supplementary Information sections 2.8 and 3.3 and Supplementary Tables 3 and 6** for additional details.

LocusZoom plots for the 99 loci identified
in the GWAS of general risk tolerance

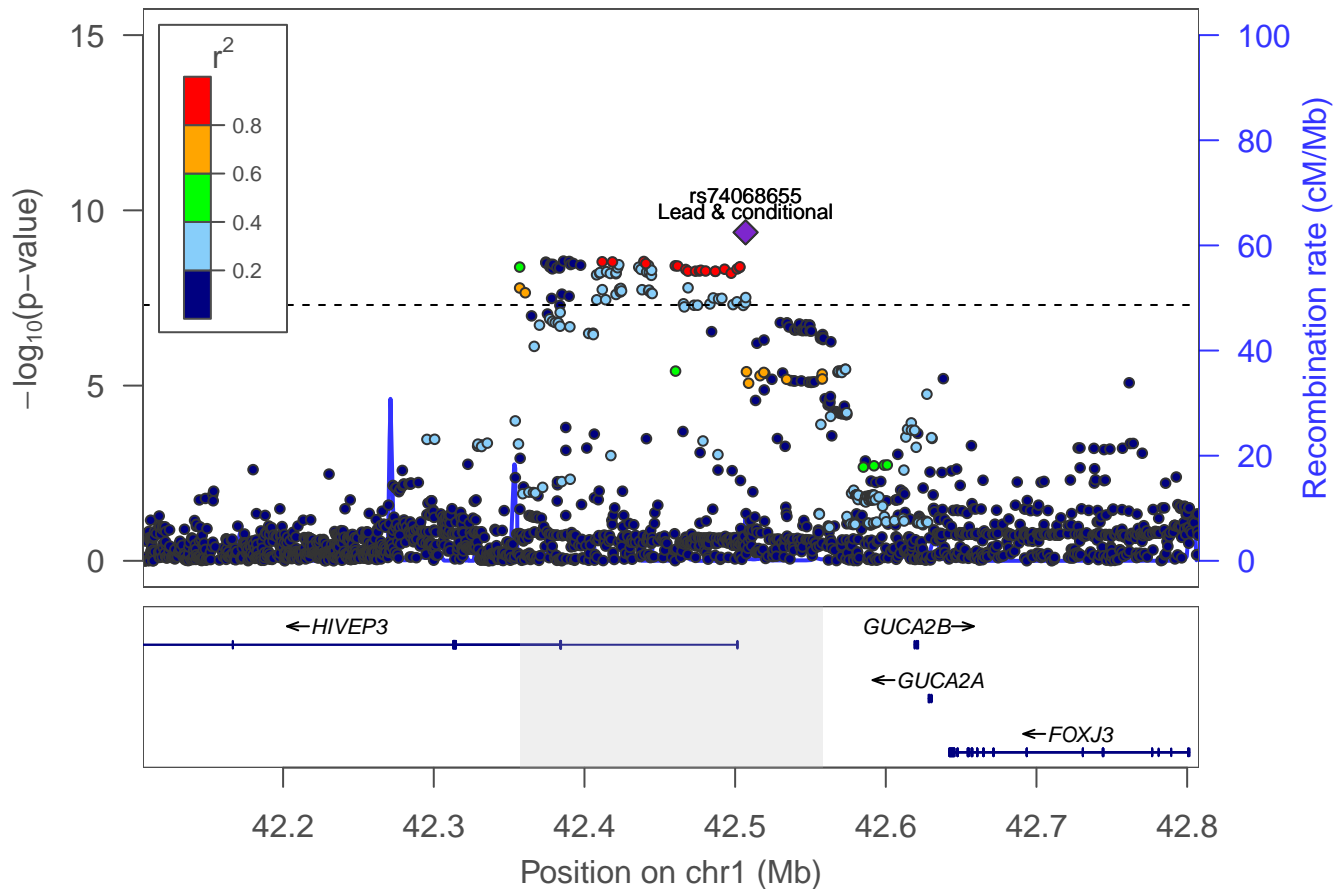
General risk tolerance: locus 1 [chr 1:21.046–21.535Mb]



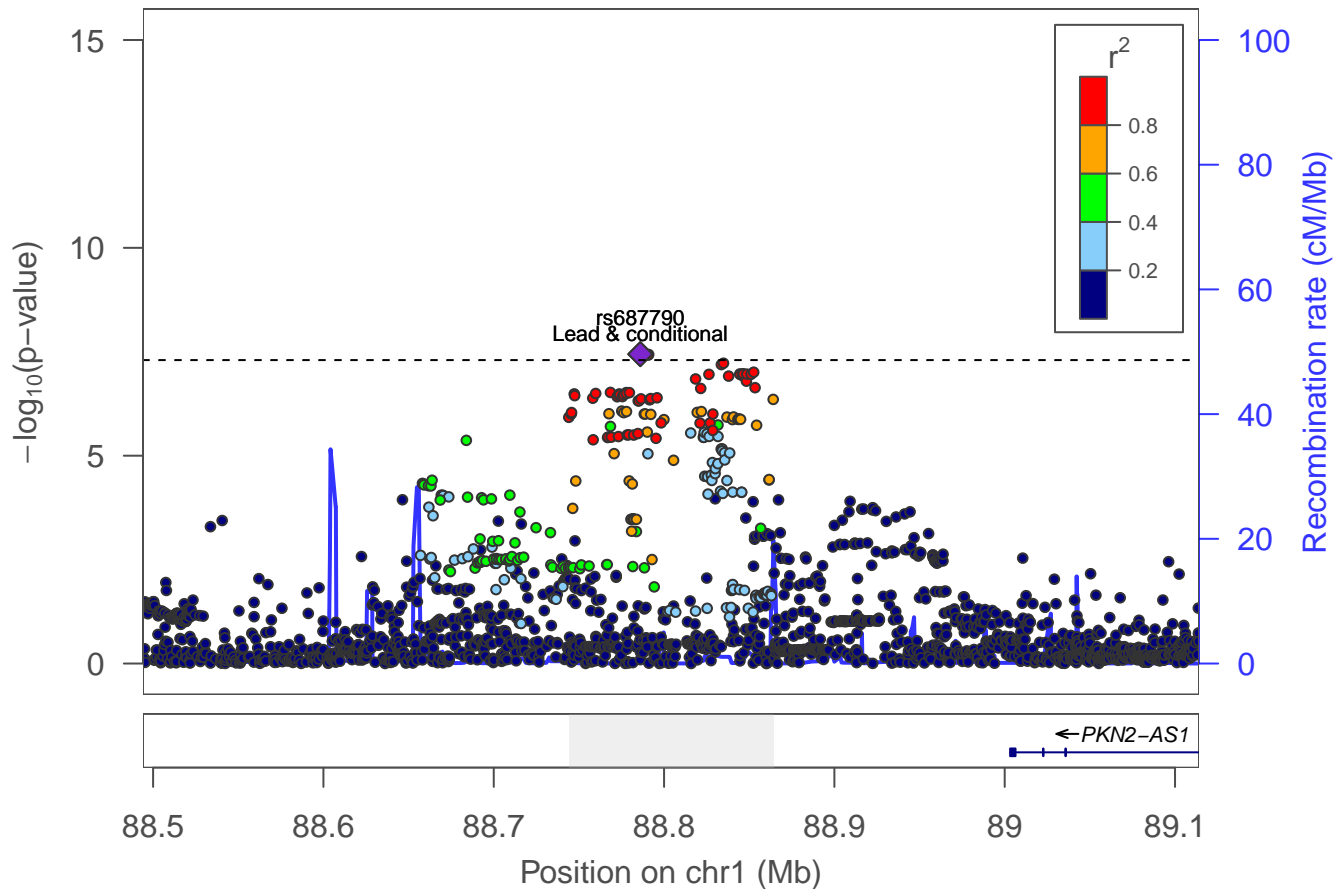
General risk tolerance: locus 2 [chr 1:33.776–33.916Mb]



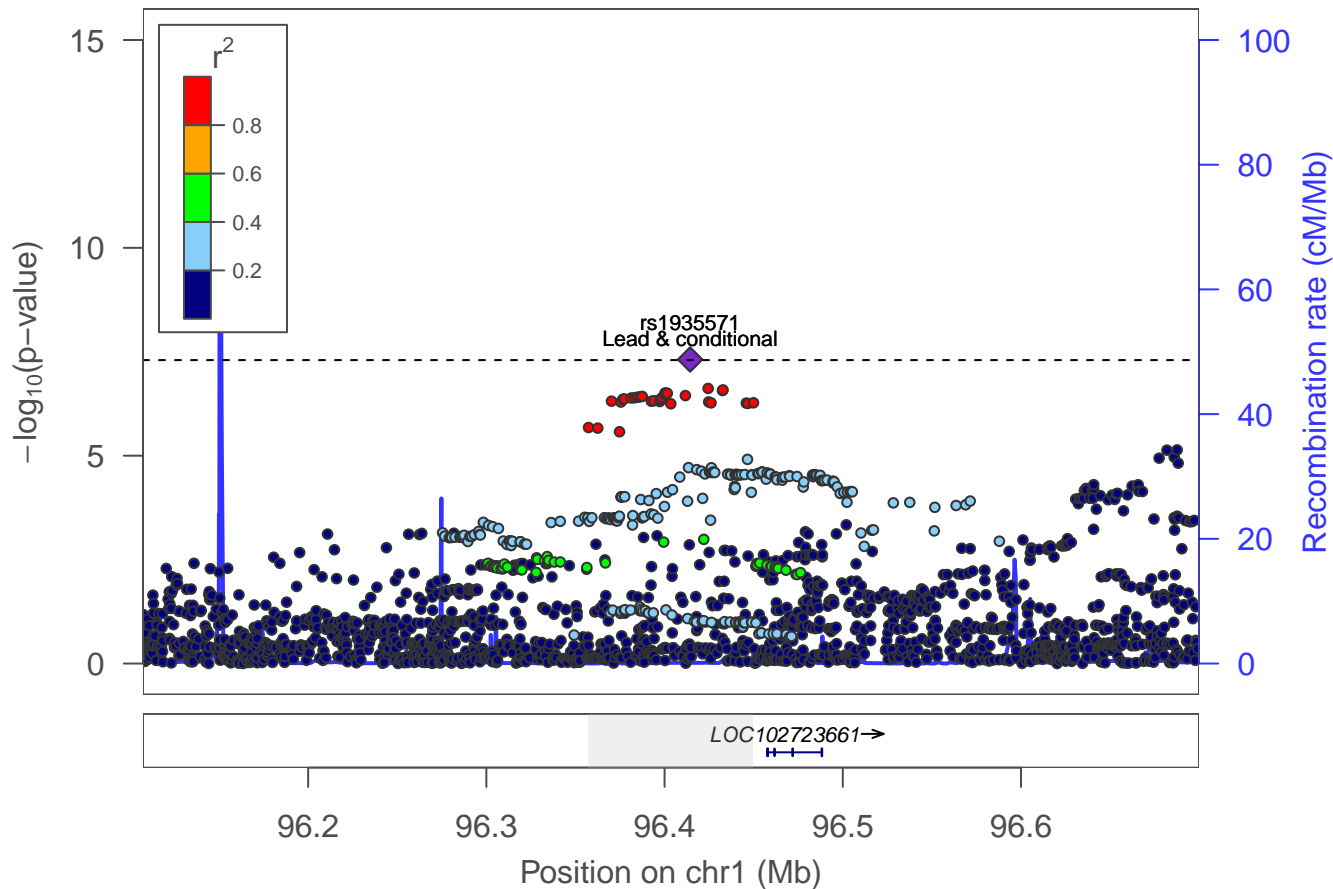
General risk tolerance: locus 3 [chr 1:42.357–42.558Mb]



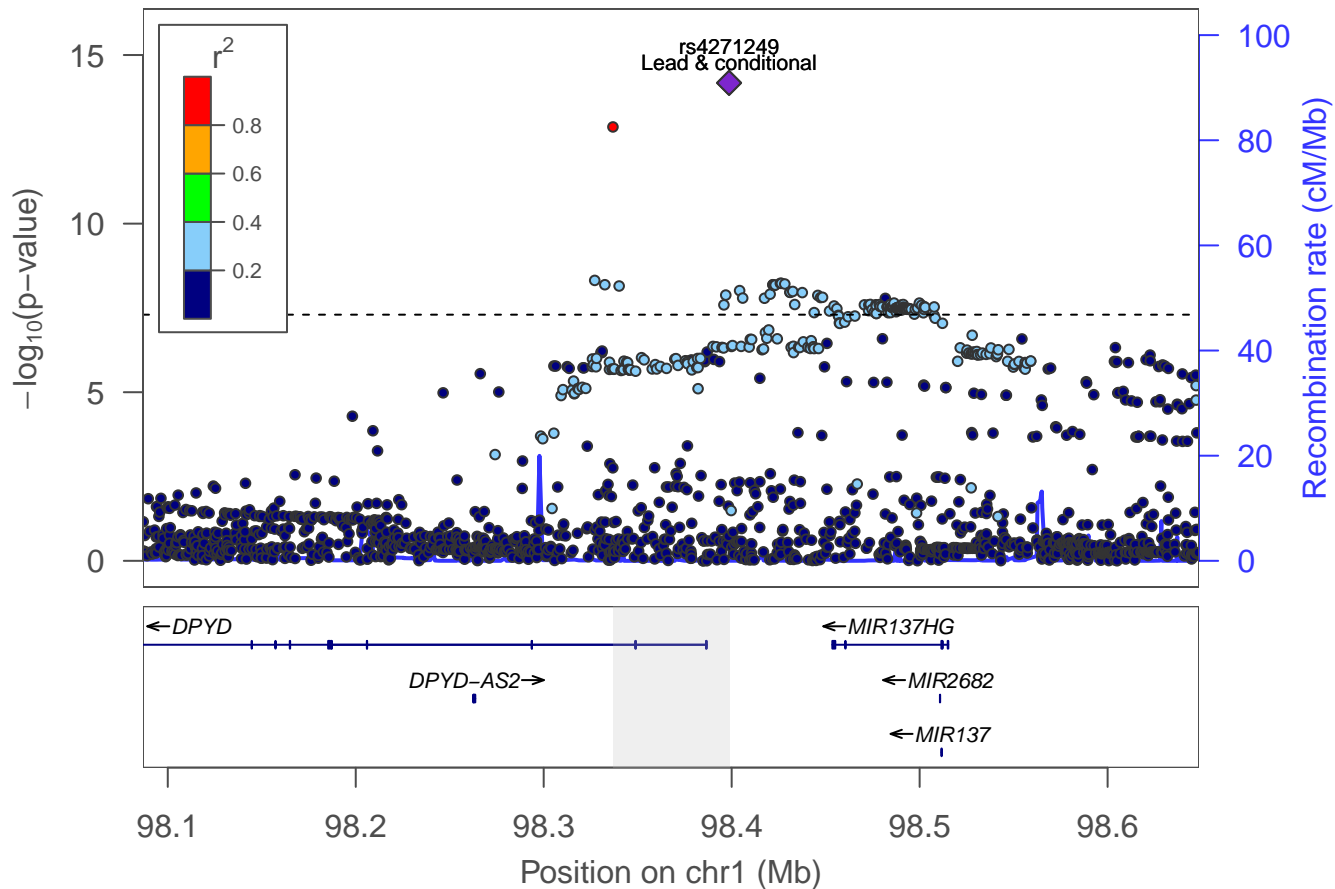
General risk tolerance: locus 4 [chr 1:88.744–88.864Mb]



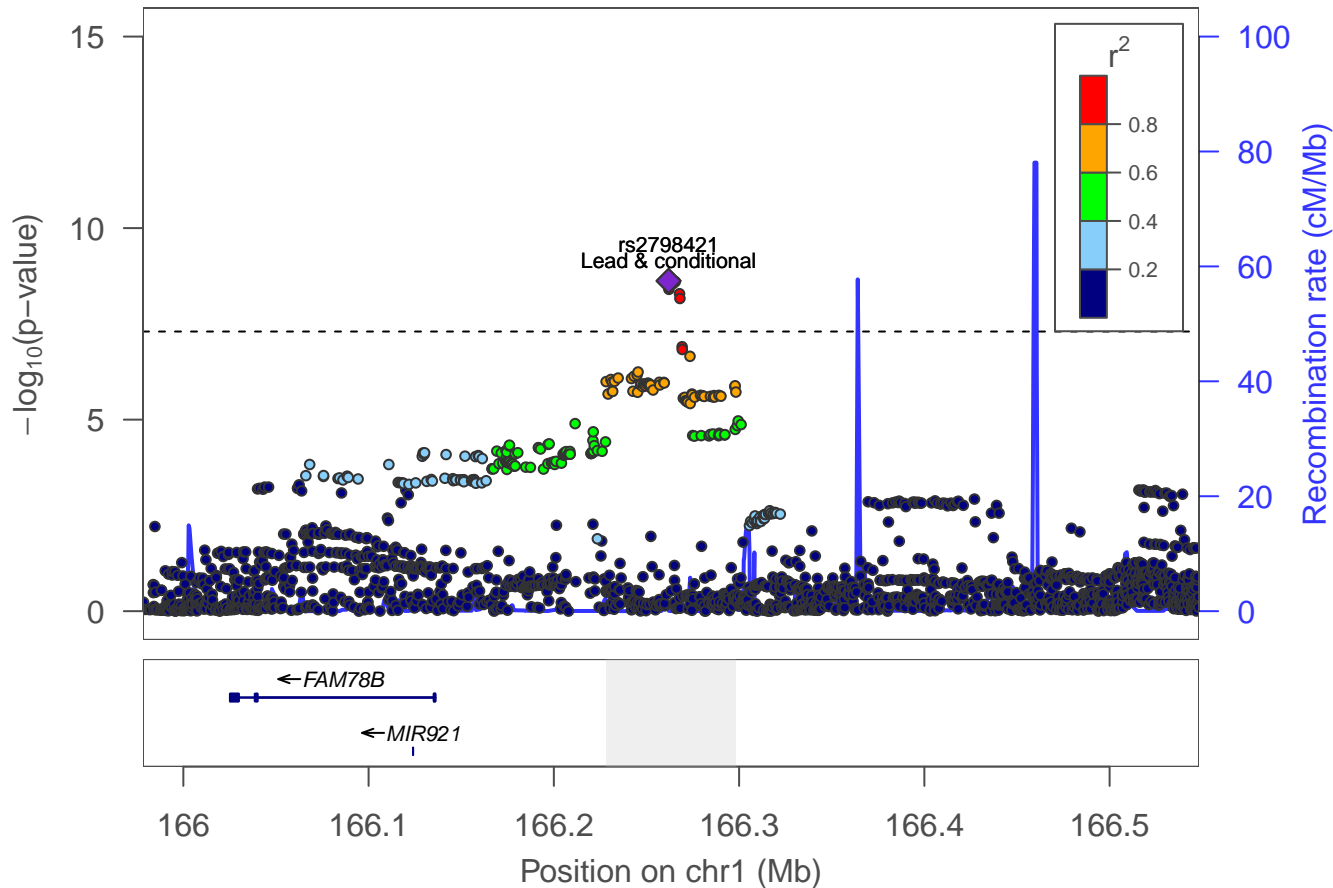
General risk tolerance: locus 5 [chr 1:96.357–96.450Mb]



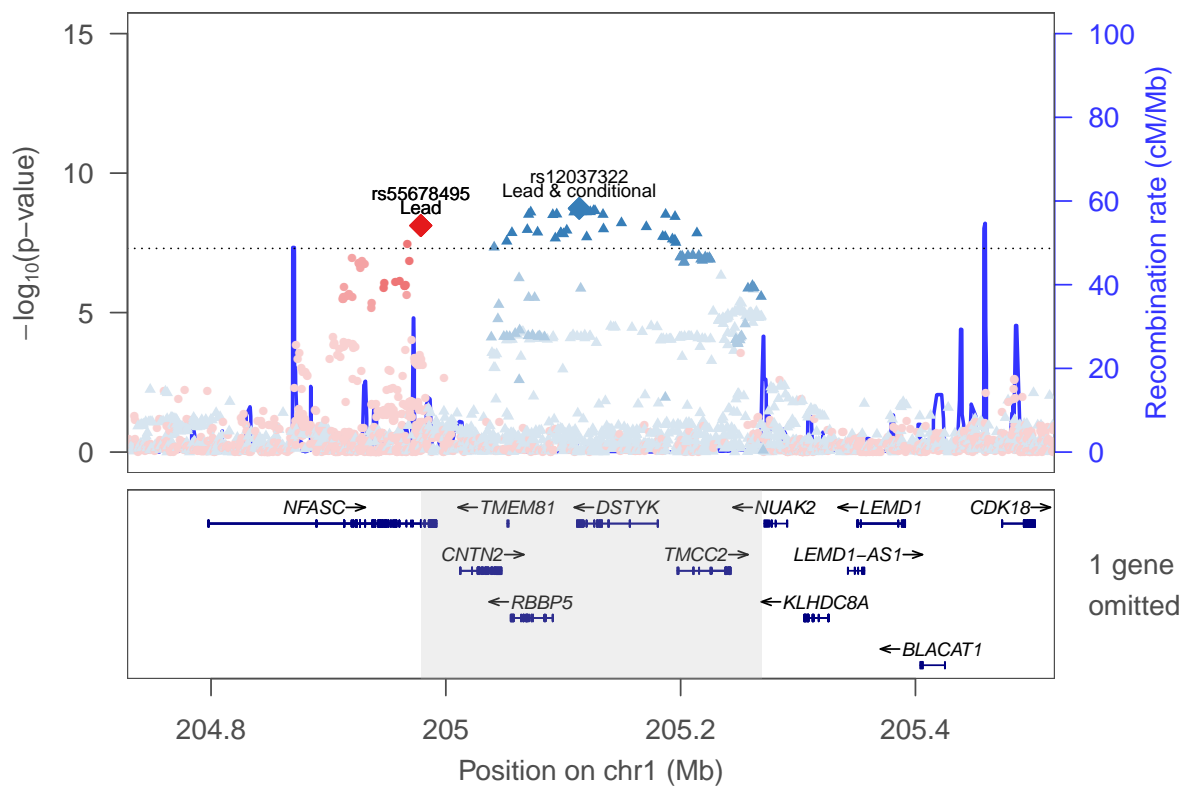
General risk tolerance: locus 6 [chr 1:98.337–98.399Mb]



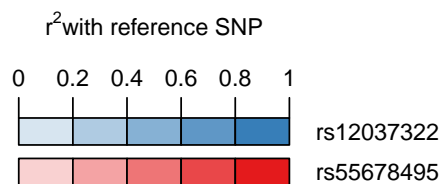
General risk tolerance: locus 7 [chr 1:166.228–166.298Mb]



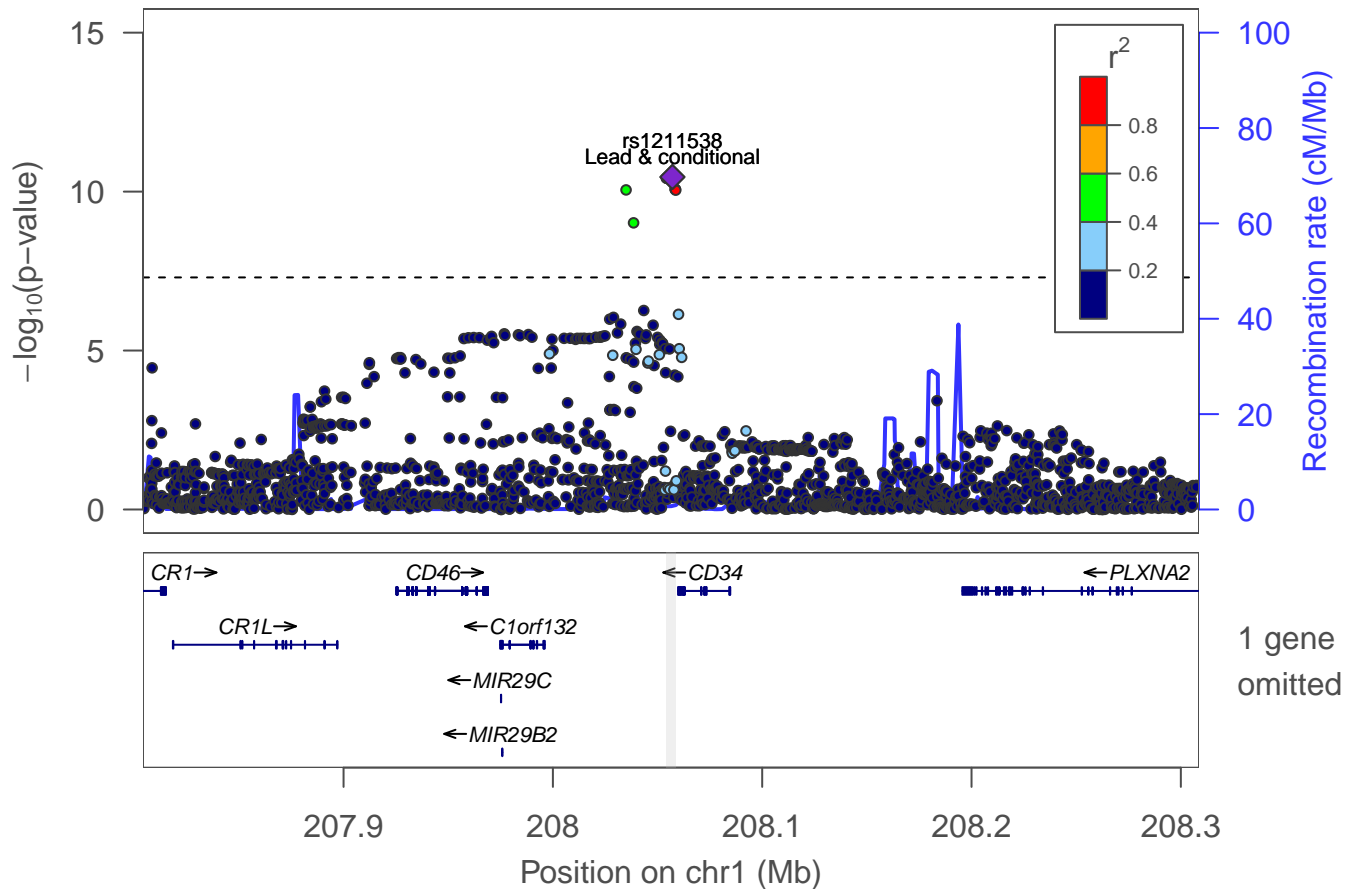
General risk tolerance: Locus 8 [chr 1: 204.979–205.269Mb]



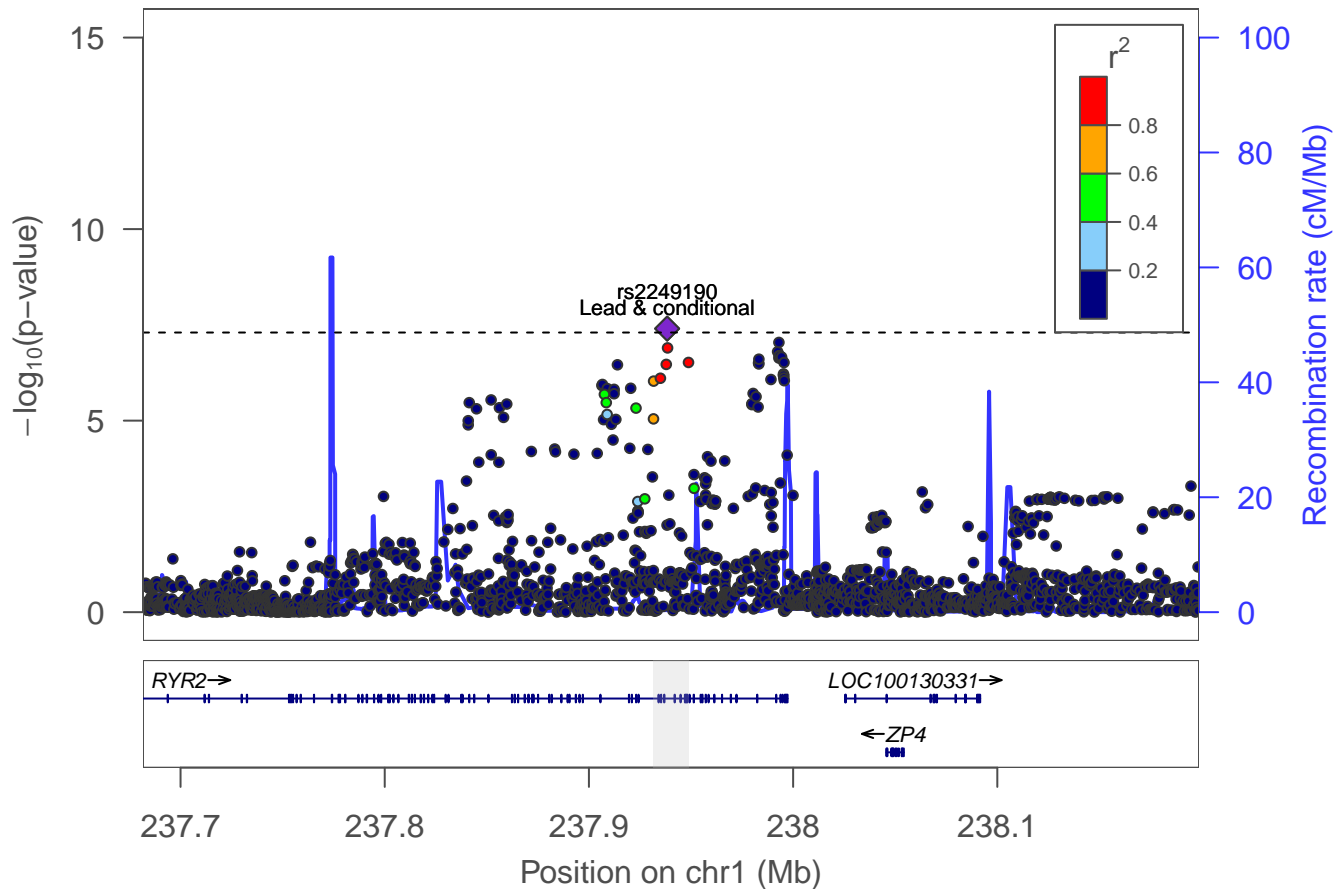
rs12037322 ▲
rs55678495 ●



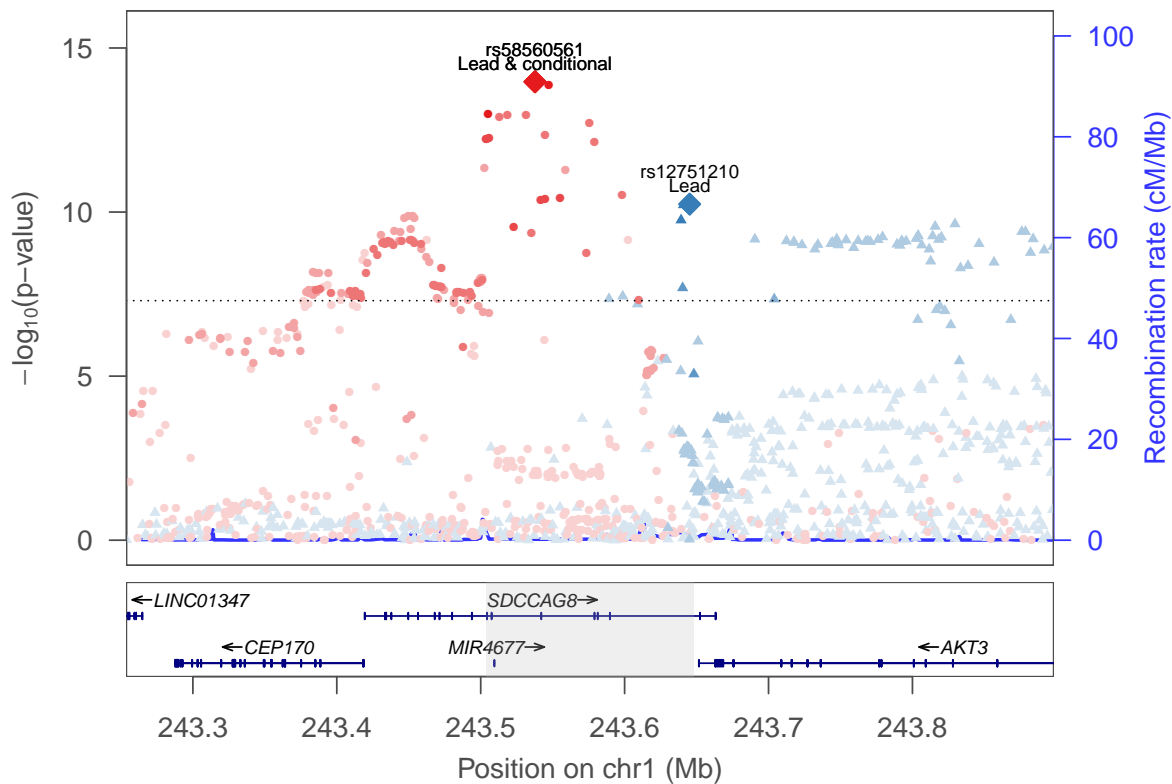
General risk tolerance: locus 9 [chr 1:208.054–208.059Mb]



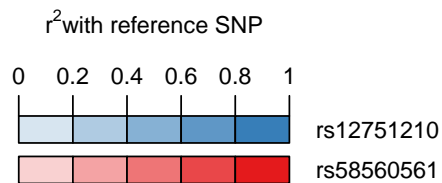
General risk tolerance: locus 10 [chr 1:237.932–237.949Mb]



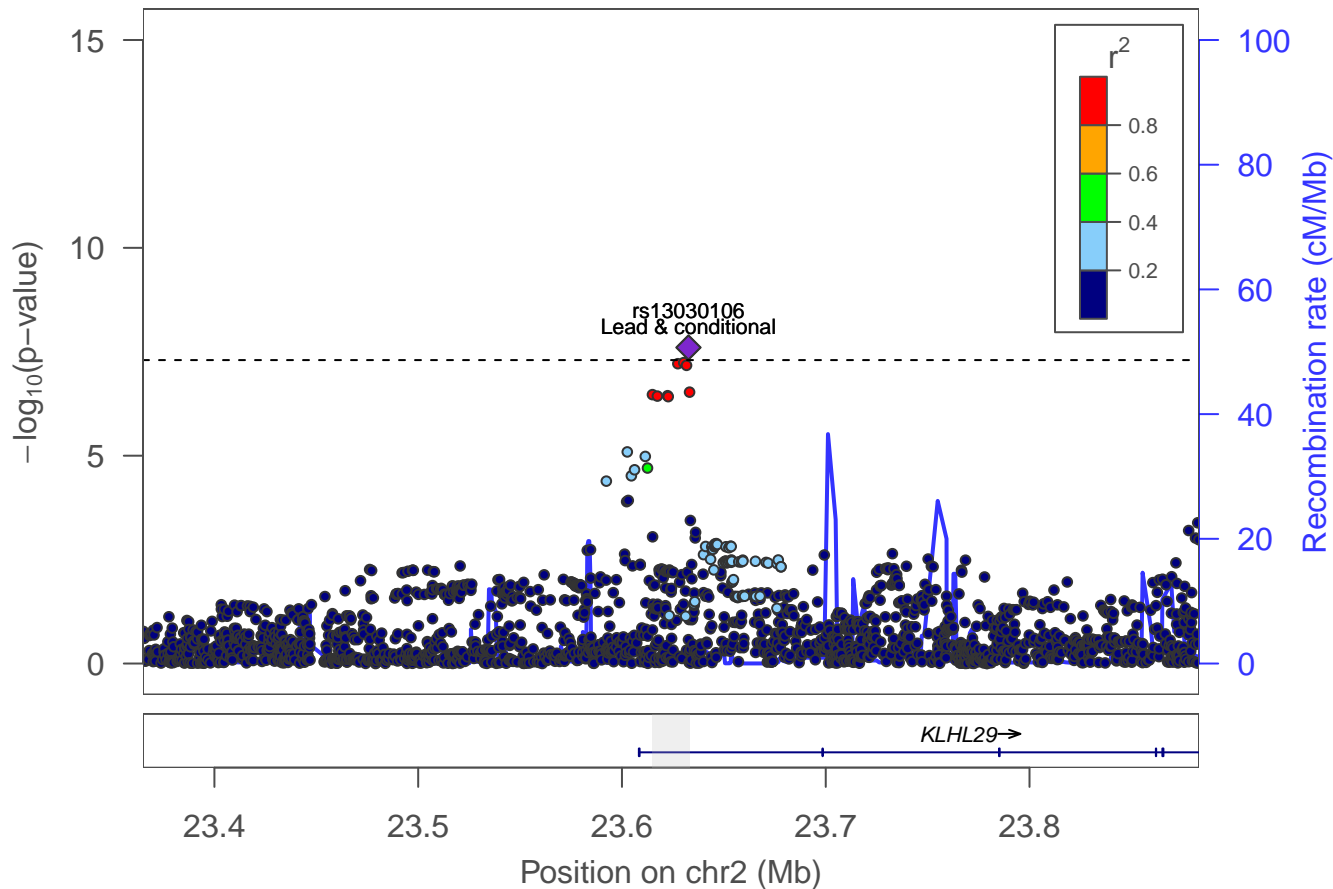
General risk tolerance: Locus 11 [chr 1: 243.504–243.648Mb]



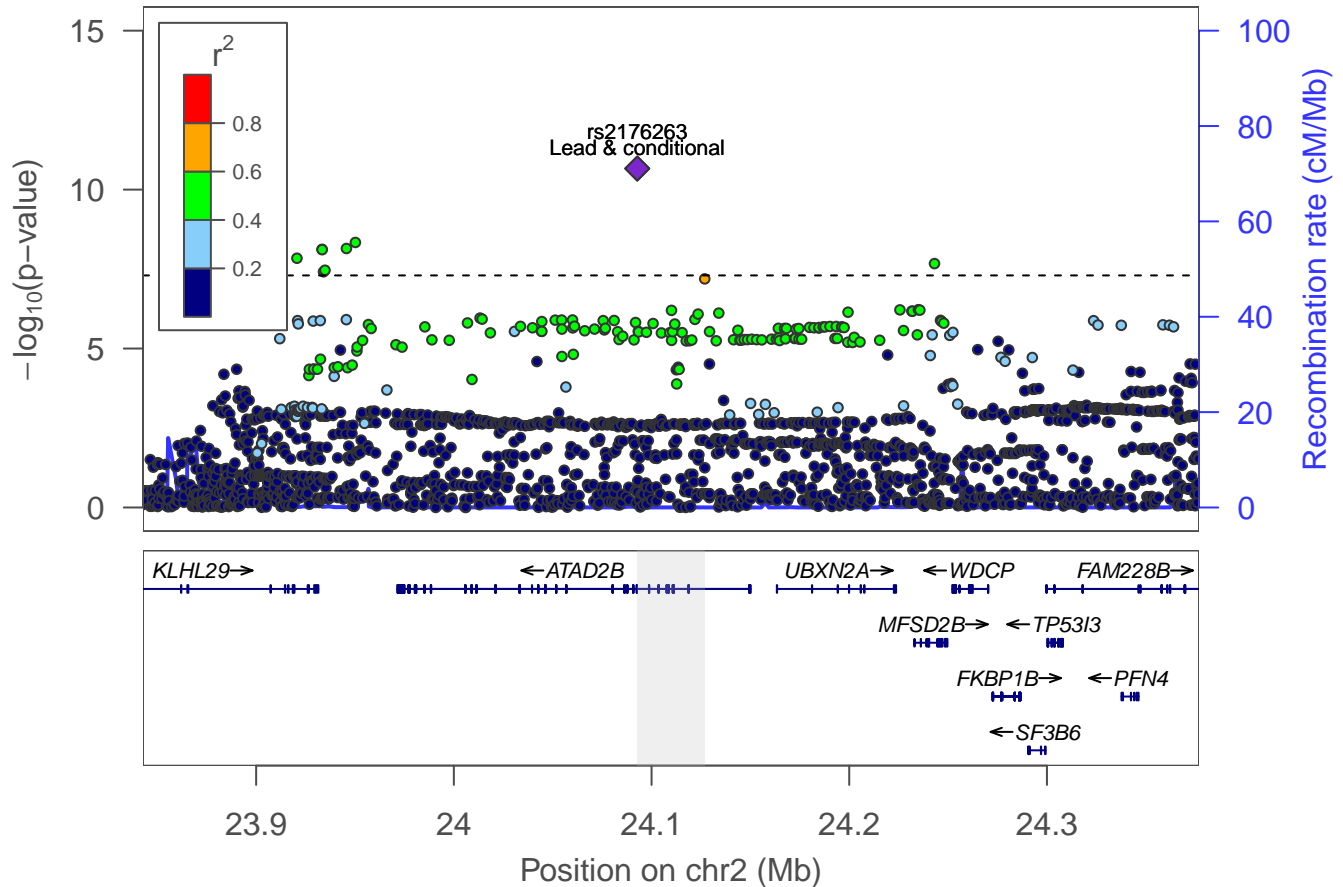
rs12751210 ▲
rs58560561 ●



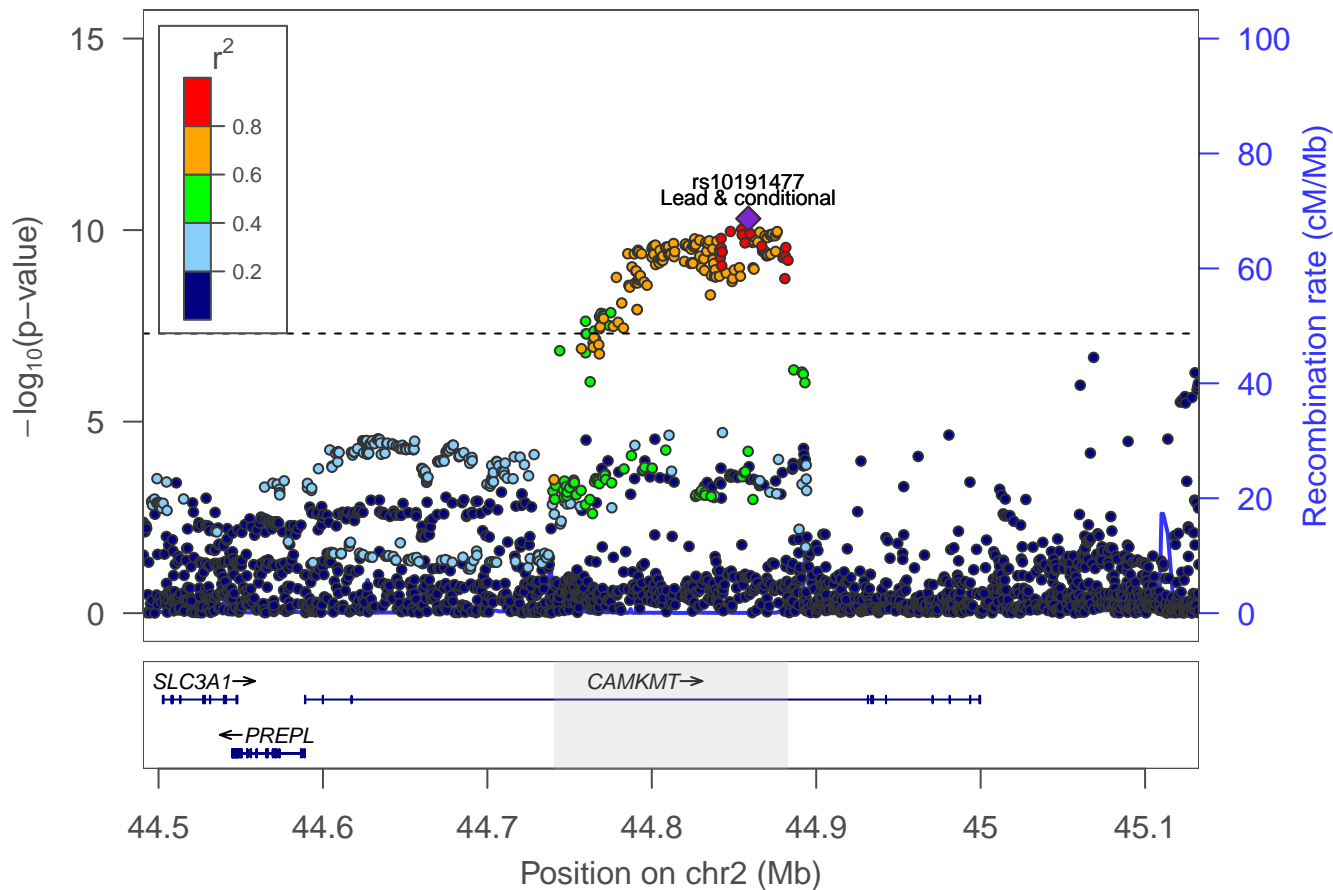
General risk tolerance: locus 12 [chr 2:23.615–23.633Mb]



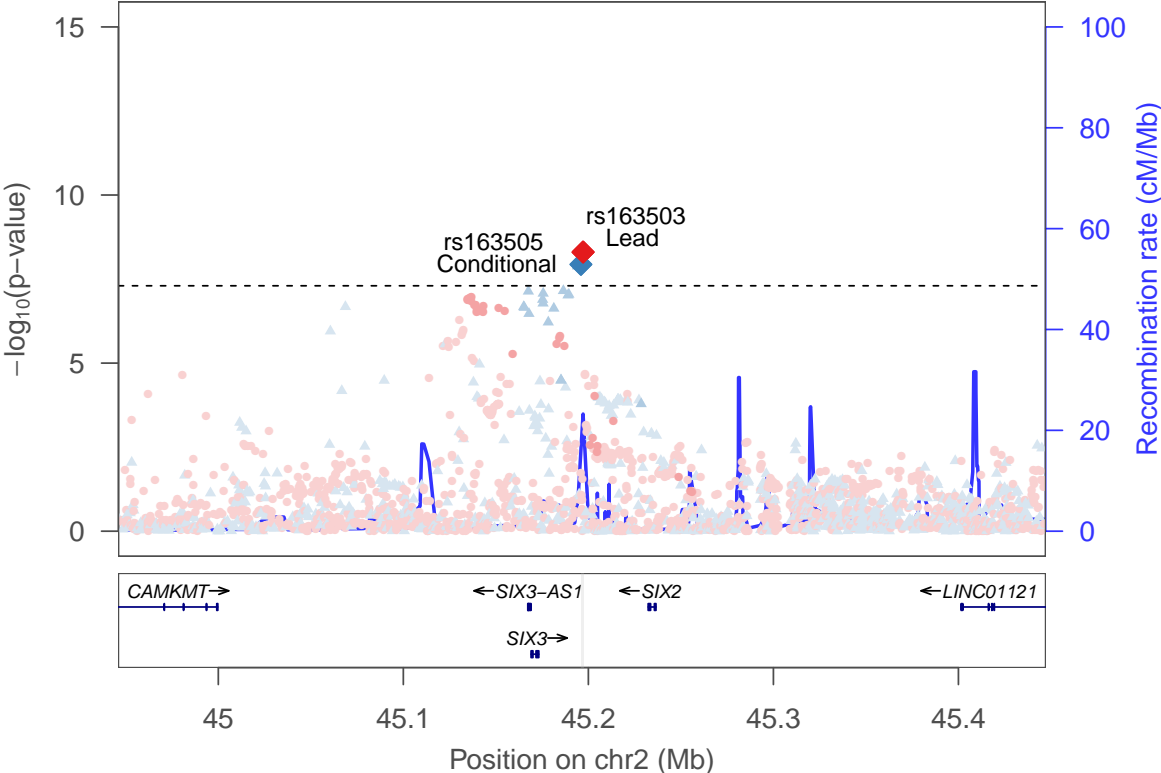
General risk tolerance: locus 13 [chr 2:24.093–24.127Mb]



General risk tolerance: locus 14 [chr 2:44.741–44.883Mb]



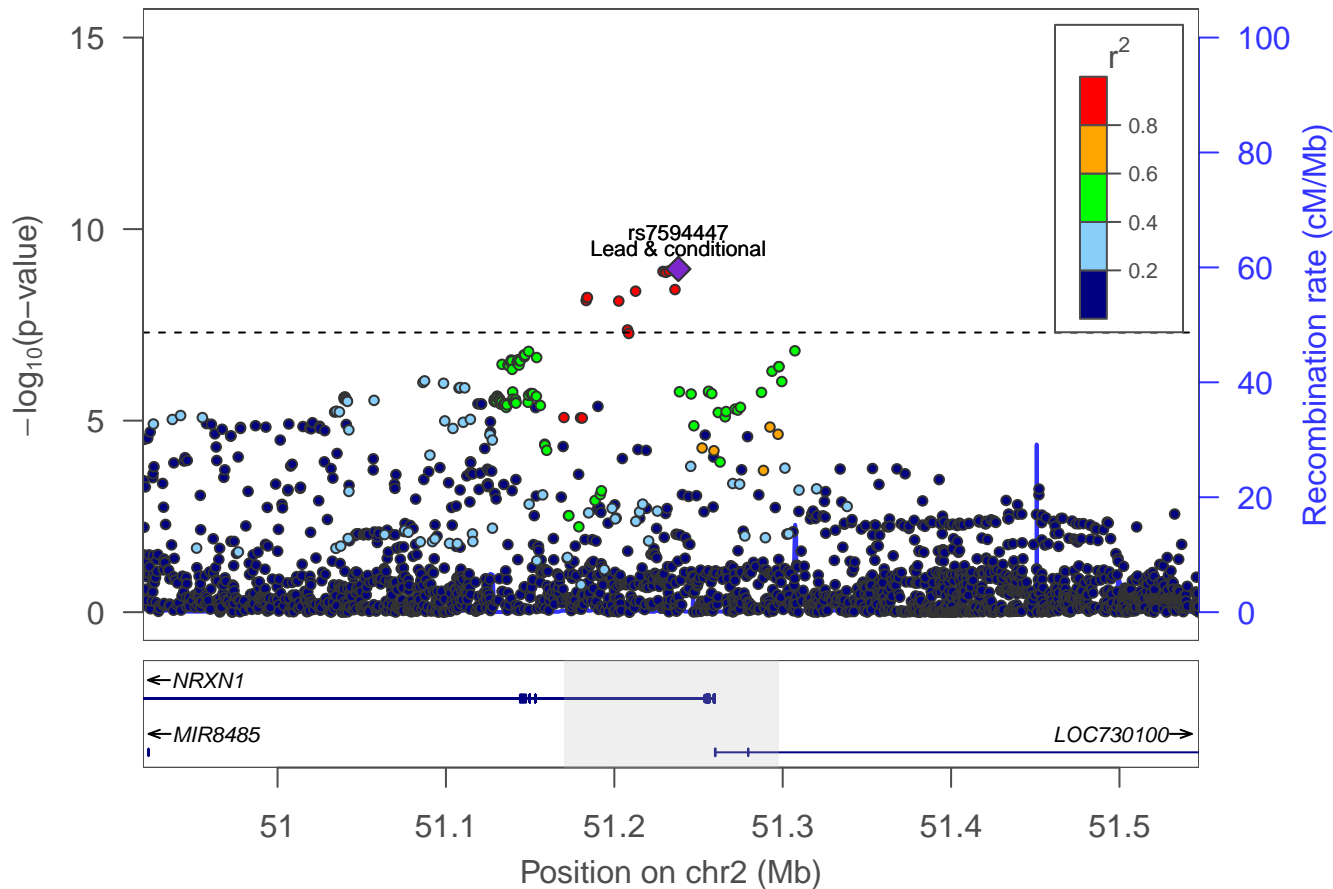
General risk tolerance: Locus 15 [chr 2: 45.196–45.197Mb]



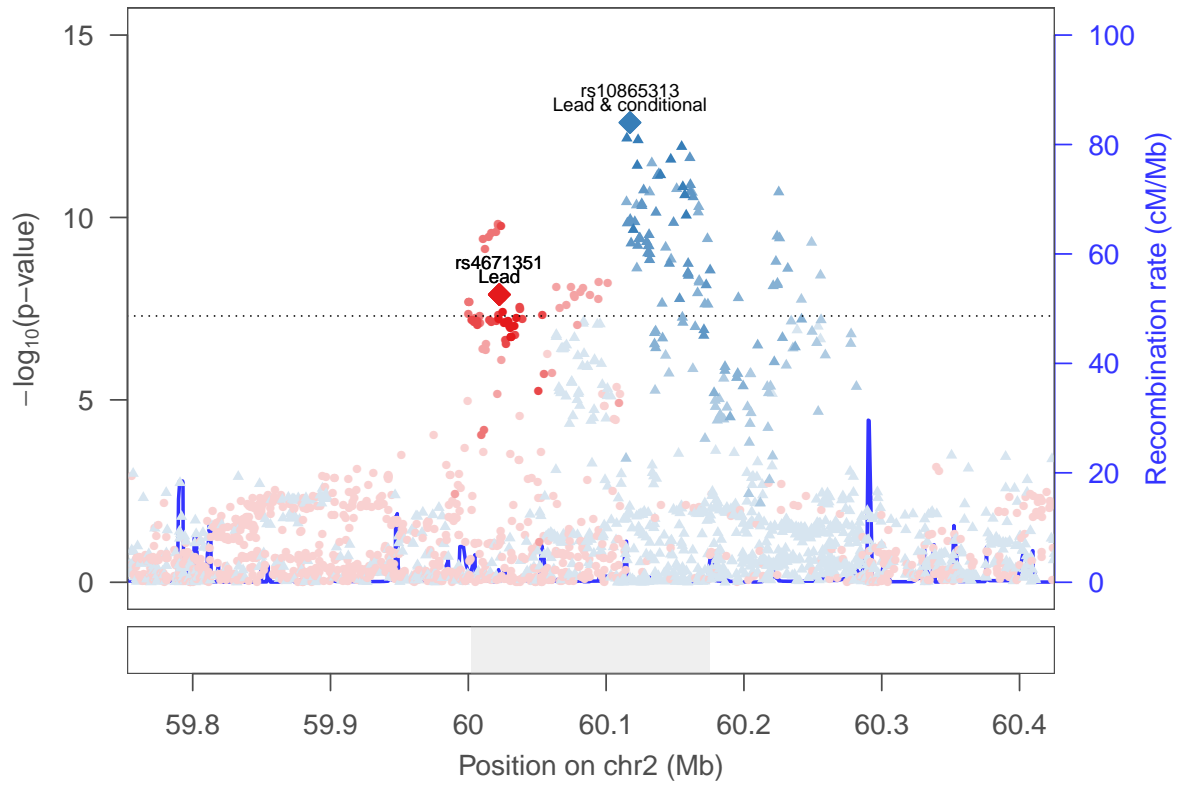
rs163505 ▲
rs163503 ●



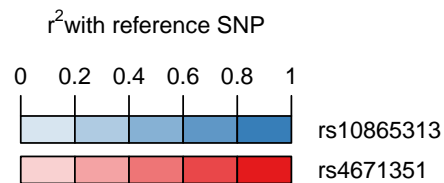
General risk tolerance: locus 16 [chr 2:51.170–51.297Mb]



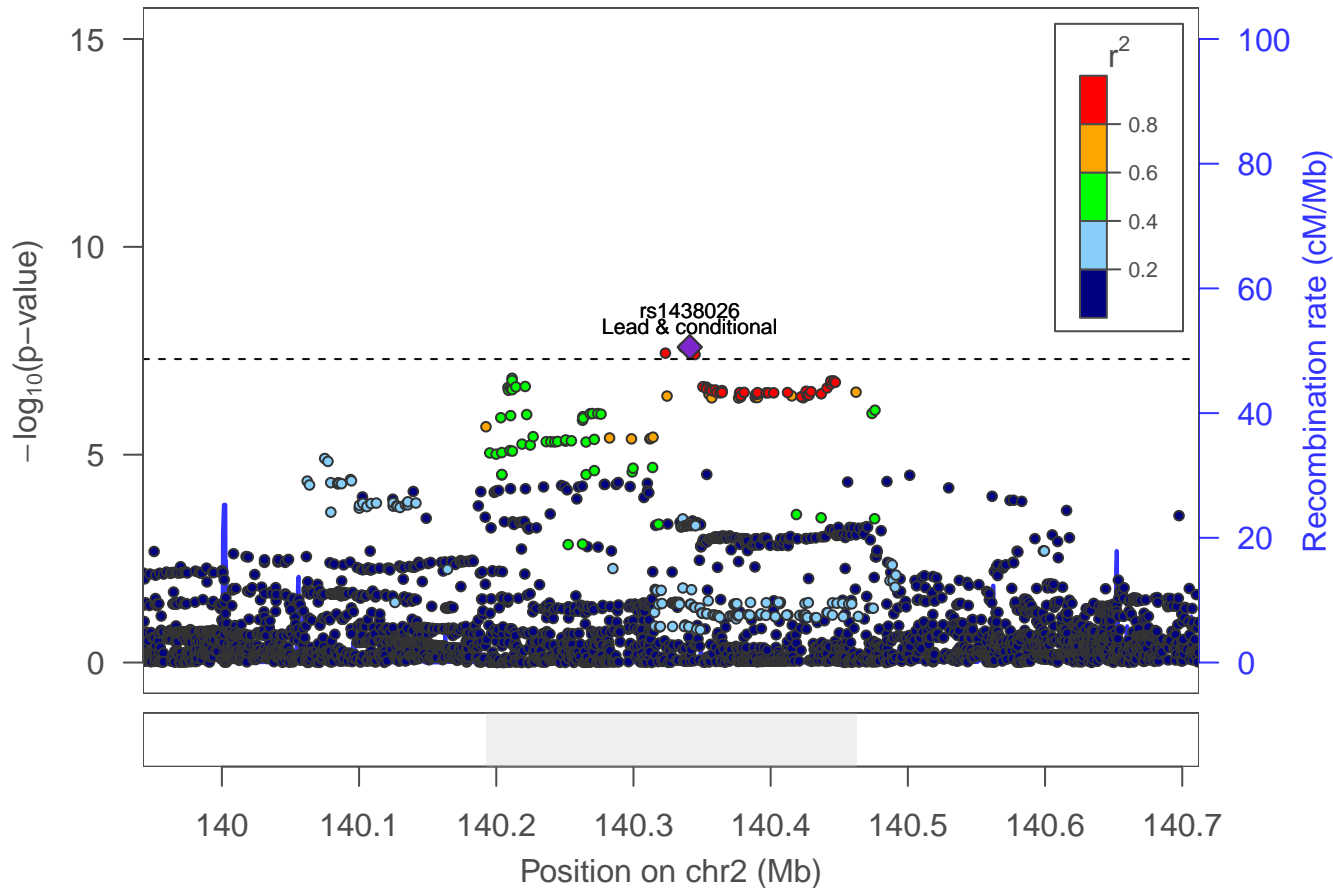
General risk tolerance: Locus 17 [chr 2: 60.003–60.175Mb]



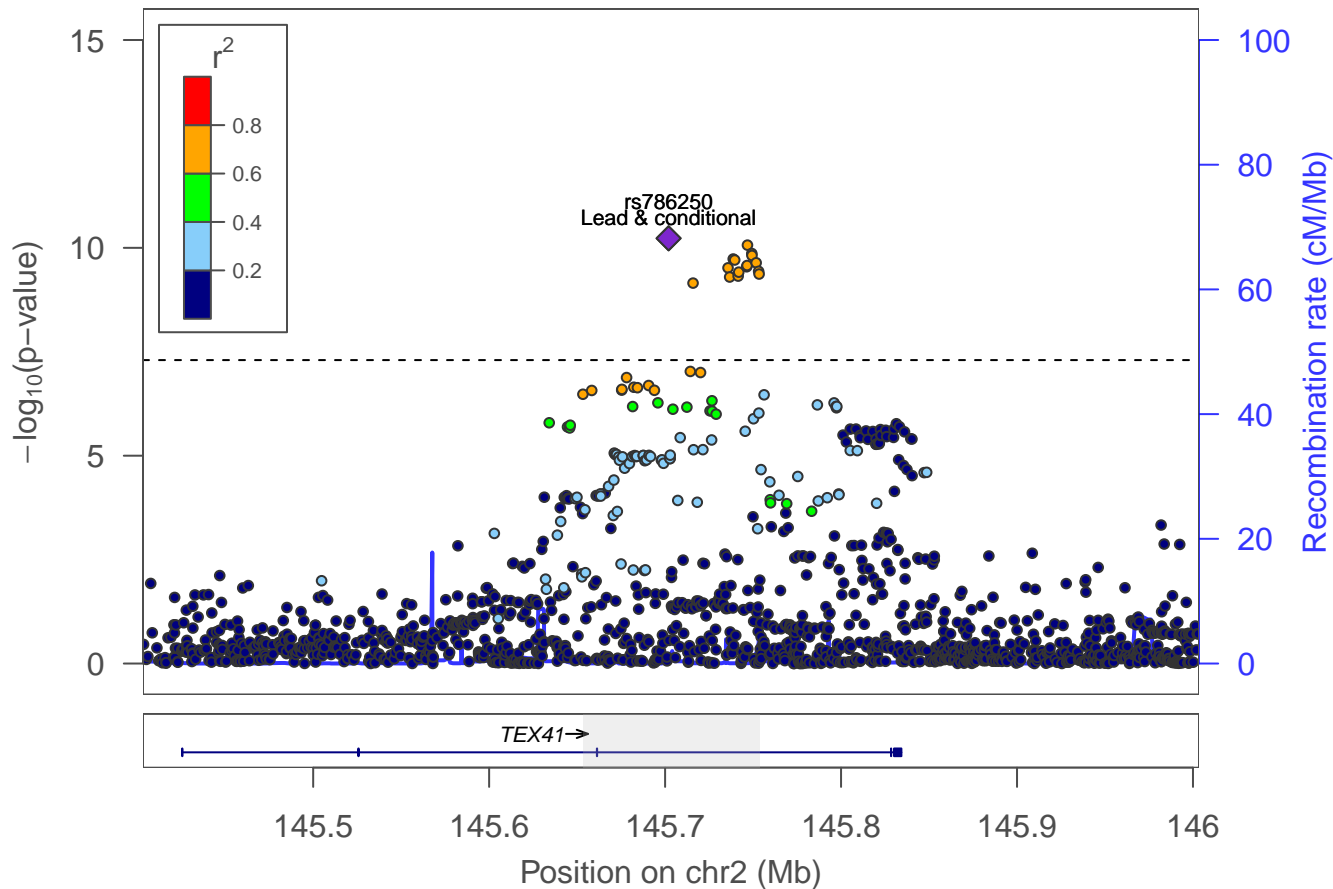
rs10865313 ▲
rs4671351 ●



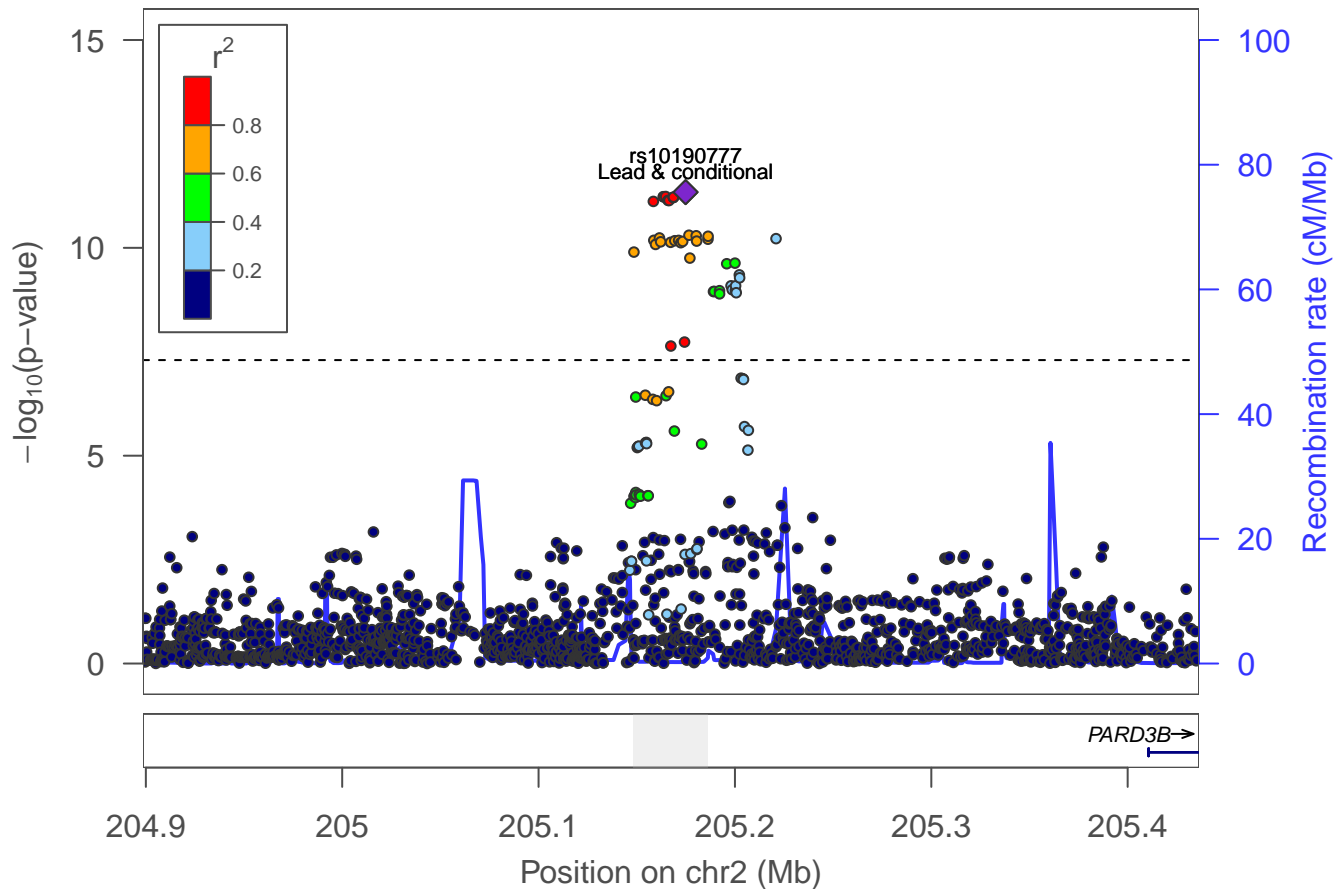
General risk tolerance: locus 18 [chr 2:140.192–140.462Mb]



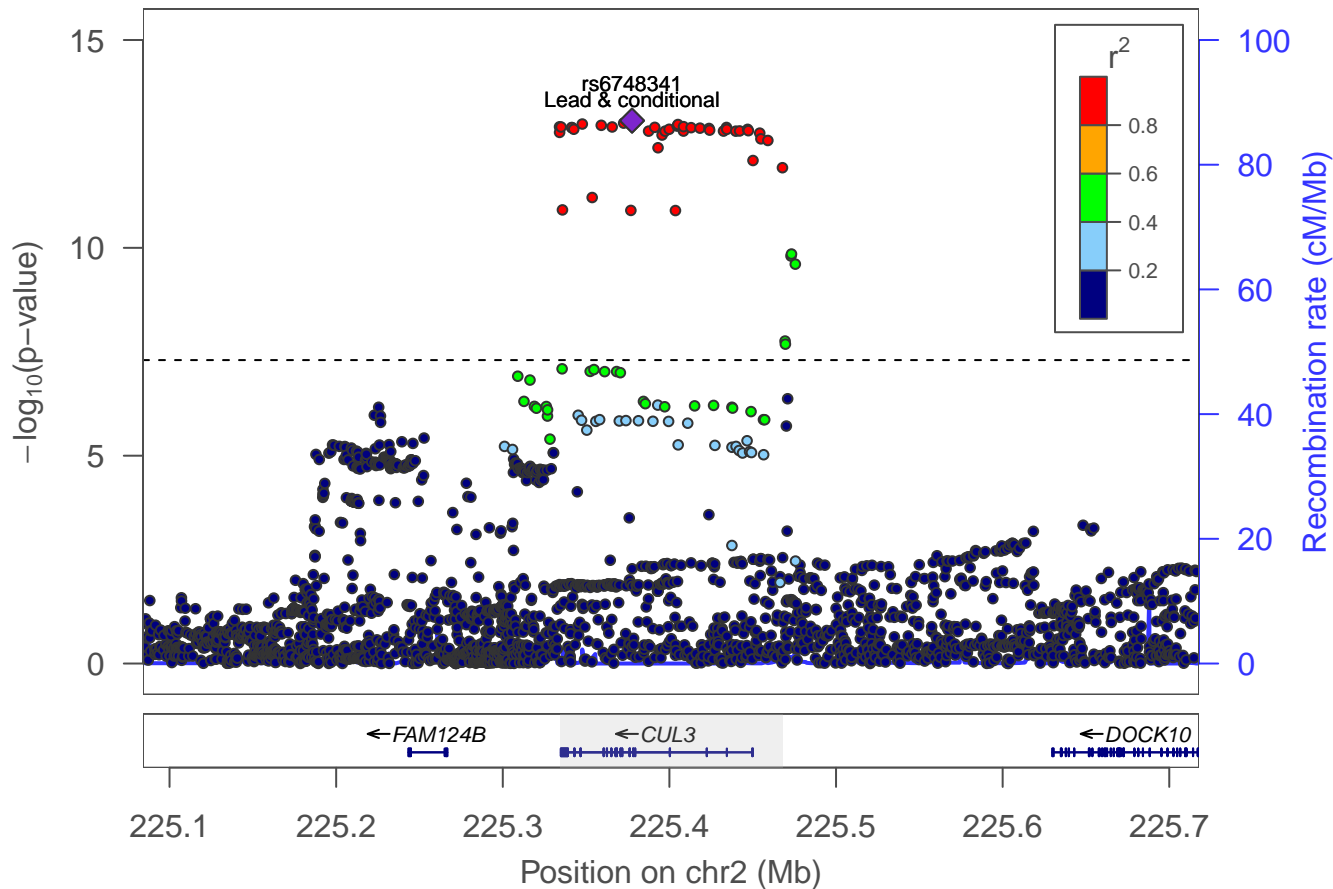
General risk tolerance: locus 19 [chr 2:145.653–145.753Mb]



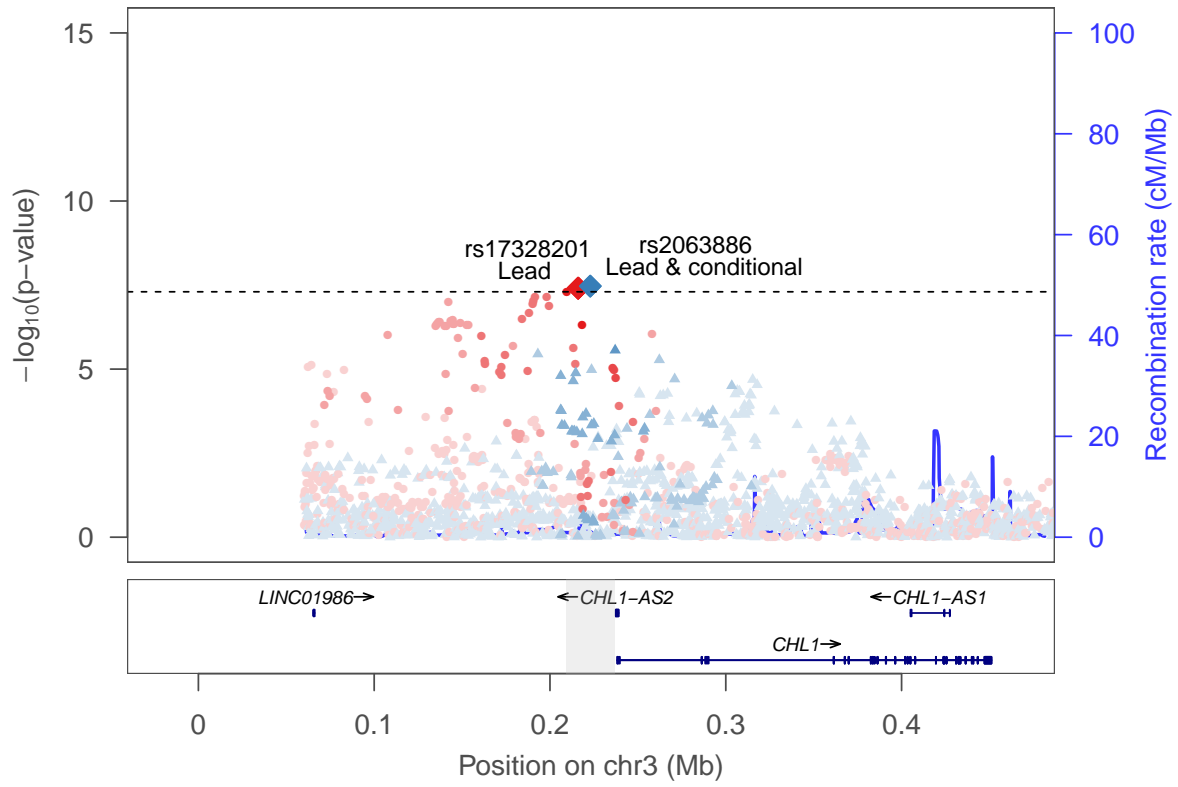
General risk tolerance: locus 20 [chr 2:205.149–205.186Mb]



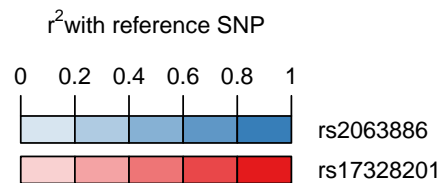
General risk tolerance: locus 21 [chr 2:225.334–225.468Mb]



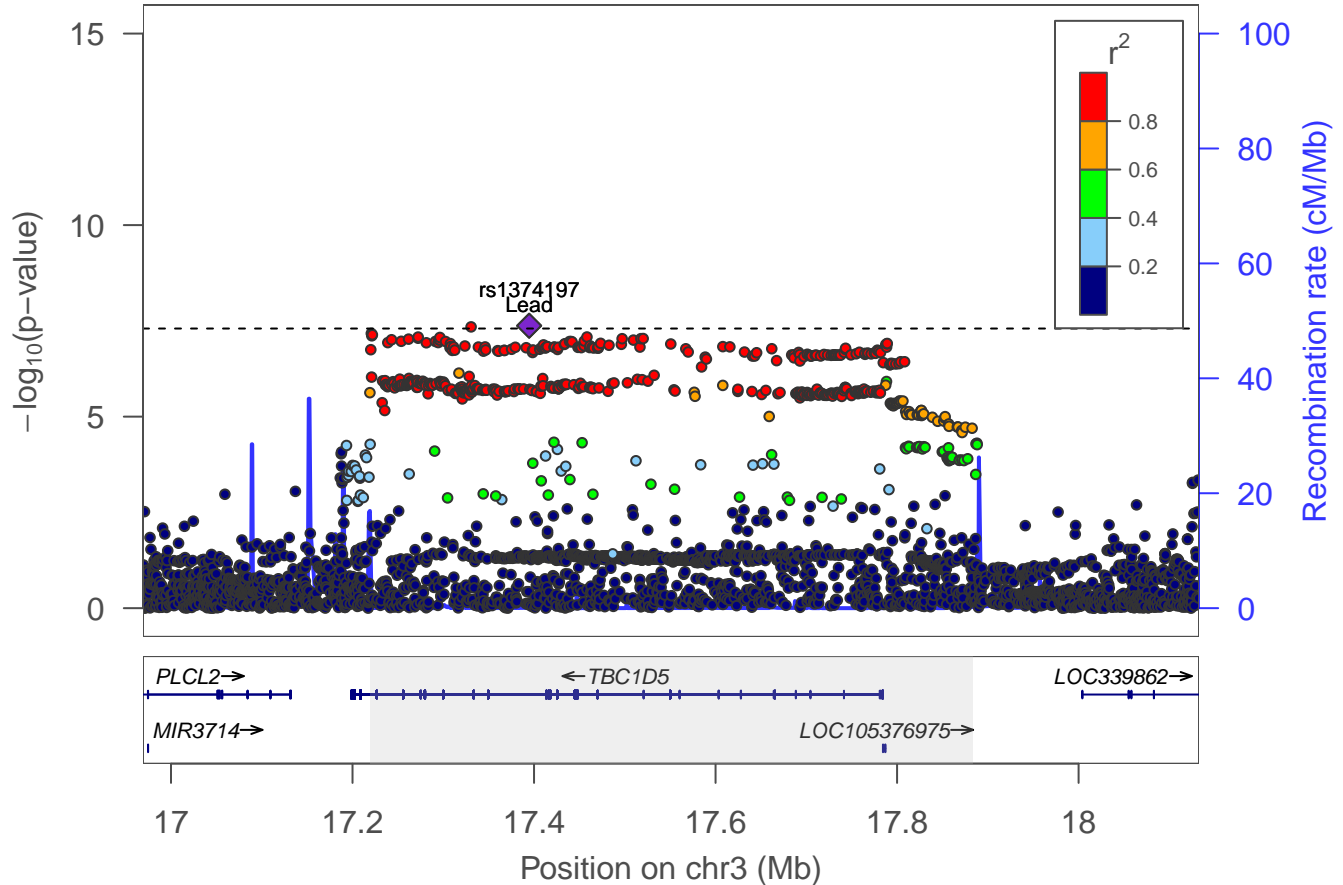
General risk tolerance: Locus 22 [chr 3: 0.210–0.237Mb]



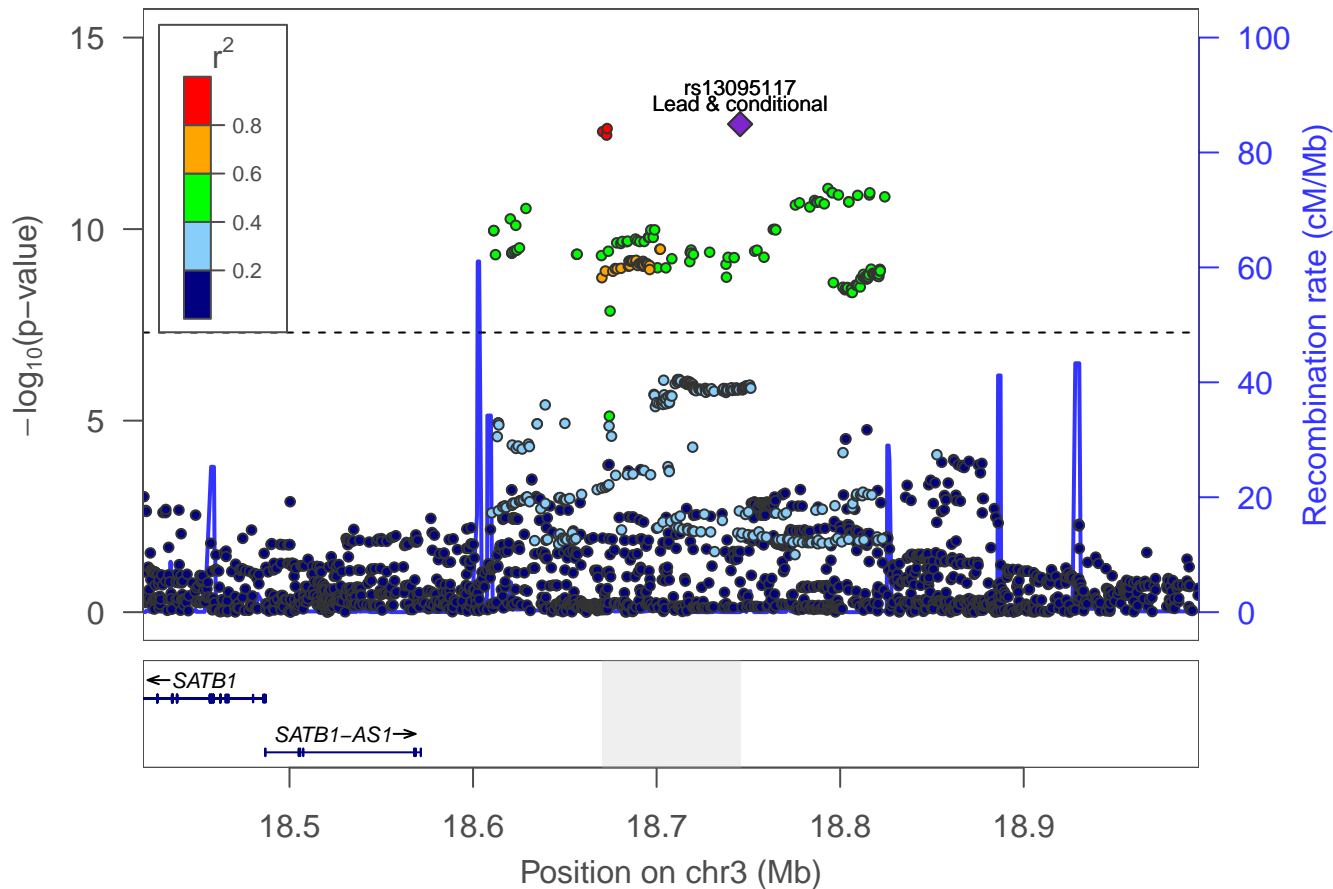
rs2063886 ▲
rs17328201 ●



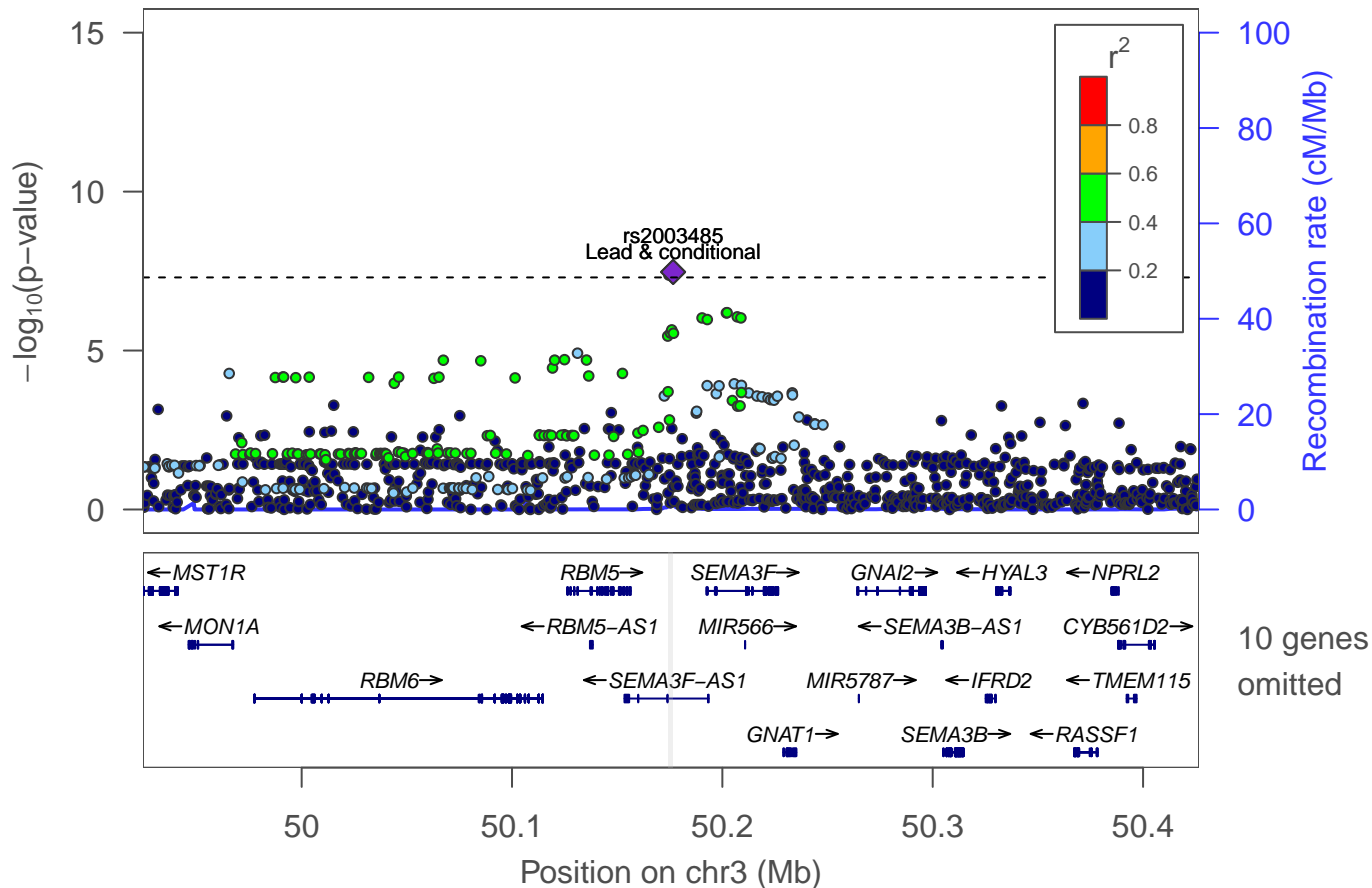
General risk tolerance: locus 23 [chr 3:17.219–17.883Mb]



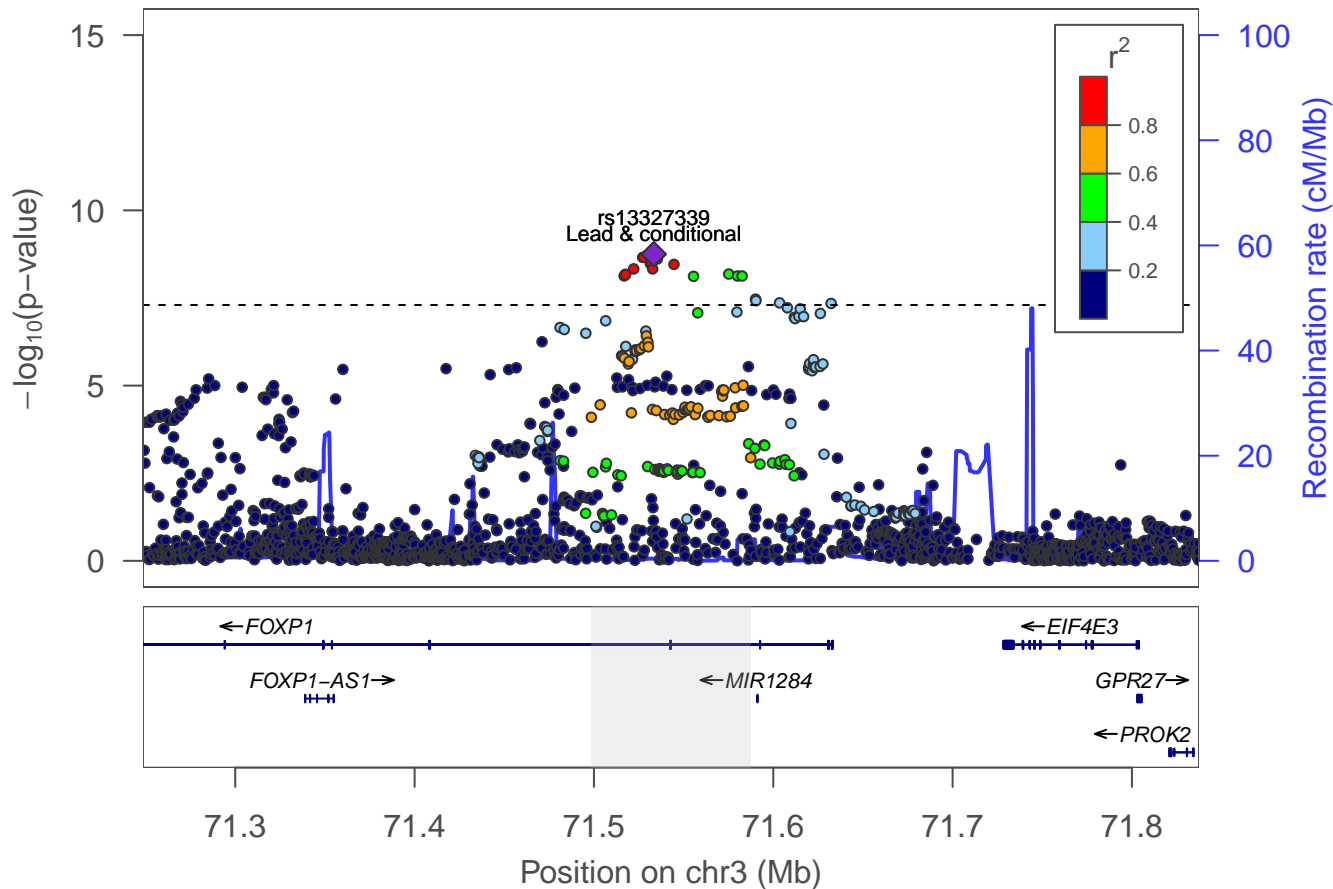
General risk tolerance: locus 24 [chr 3:18.670–18.745Mb]



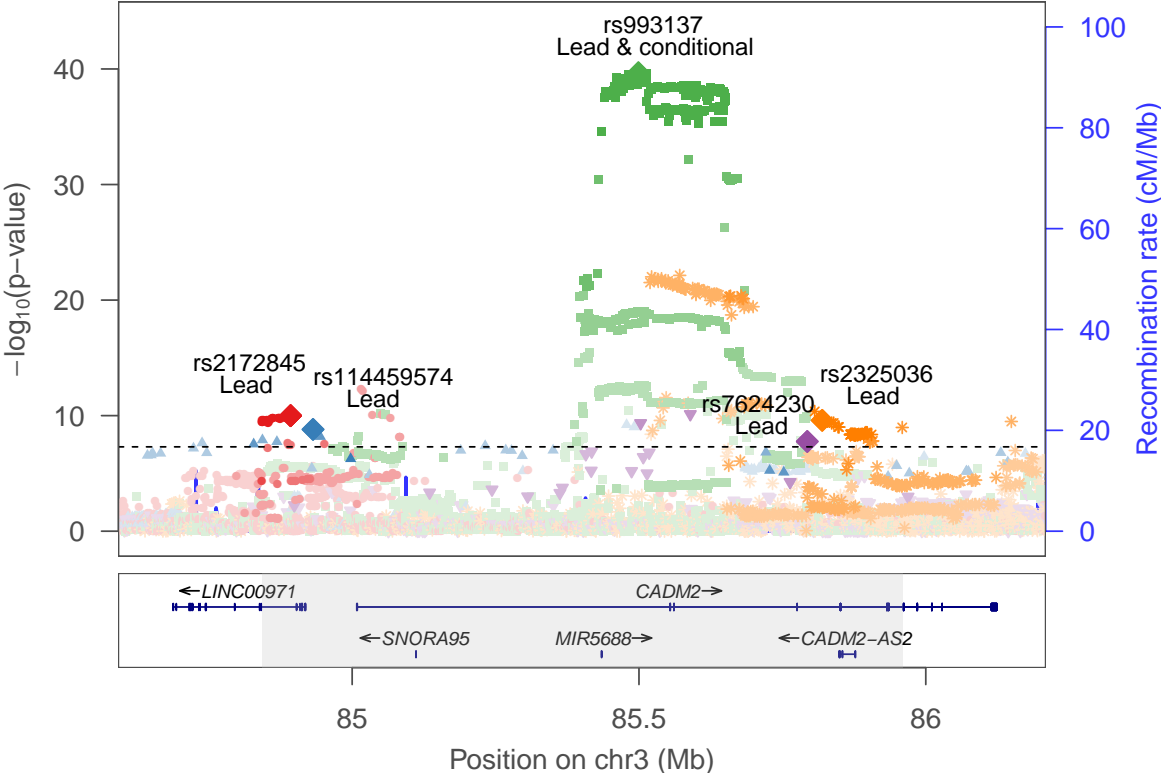
General risk tolerance: locus 25 [chr 3:50.175–50.177Mb]



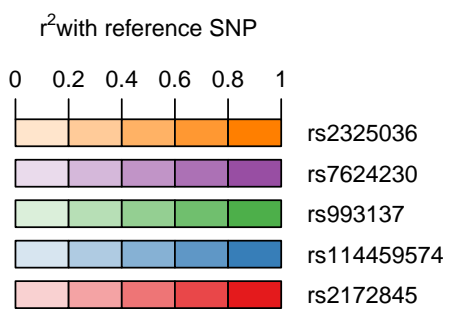
General risk tolerance: locus 26 [chr 3:71.499–71.587Mb]



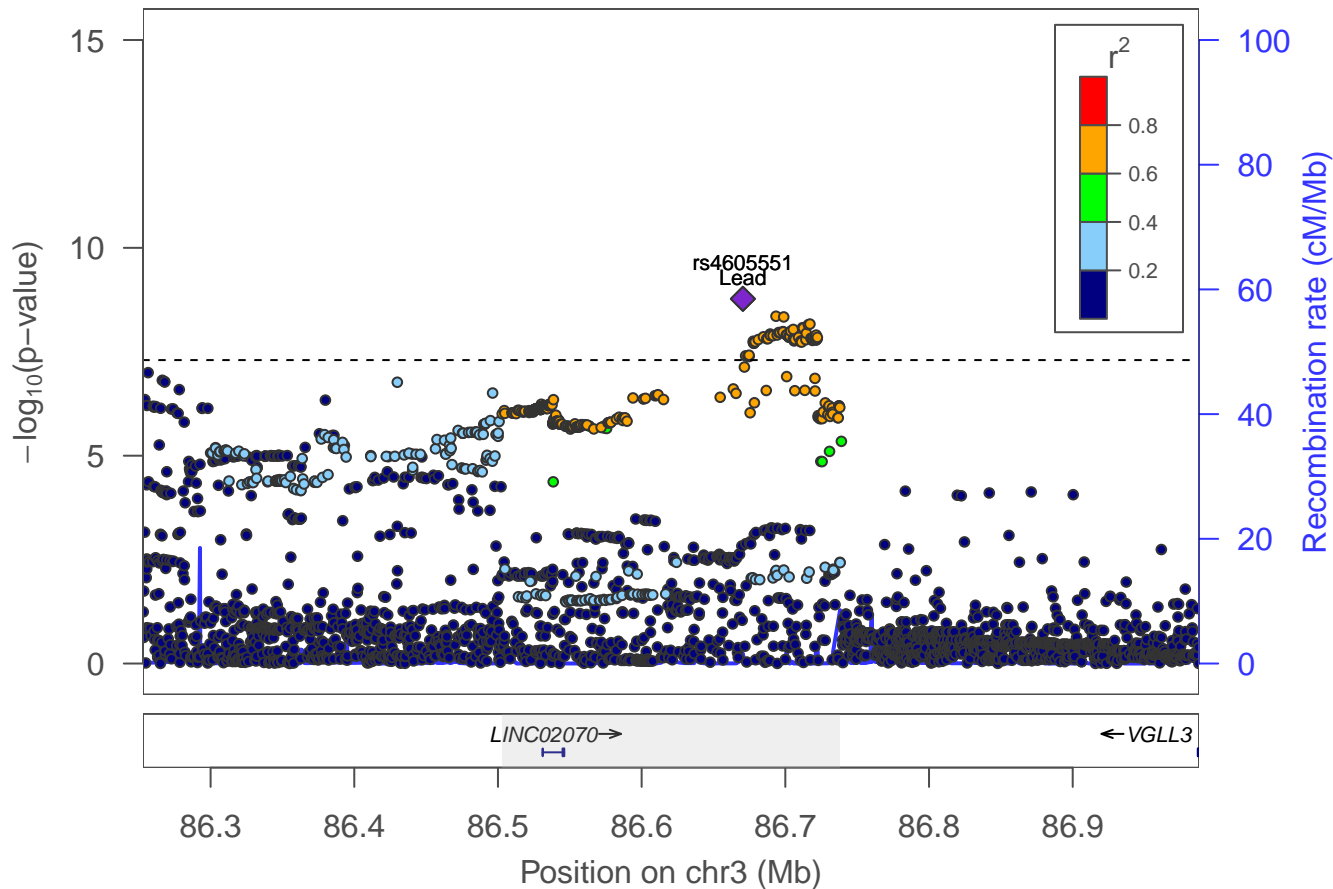
General risk tolerance: Locus 27 [chr 3: 84.842–85.959Mb]



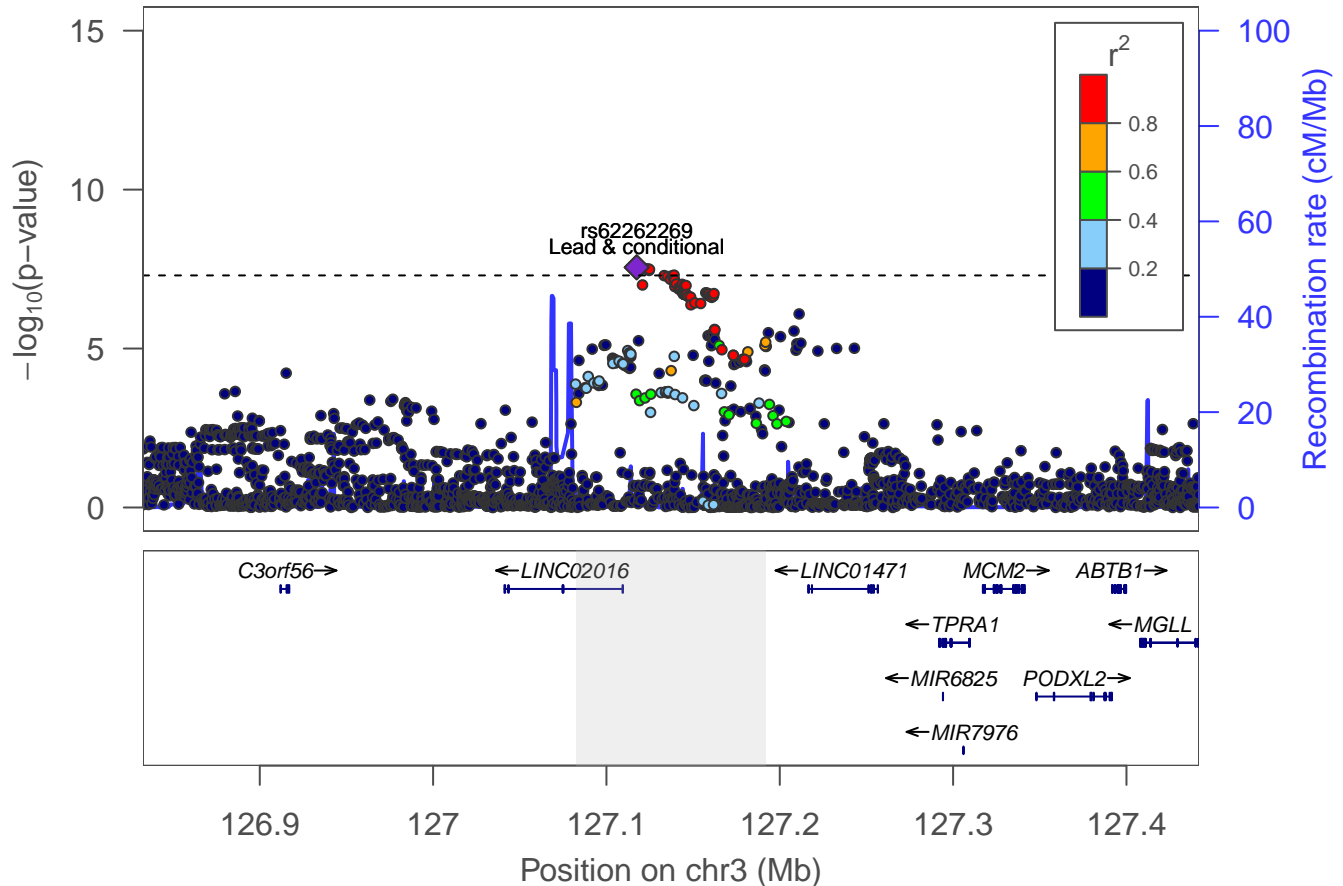
- rs2325036 * (orange asterisk)
- rs7624230 ▾ (purple inverted triangle)
- rs993137 ■ (green square)
- rs114459574 ▲ (blue triangle)
- rs2172845 ● (red circle)



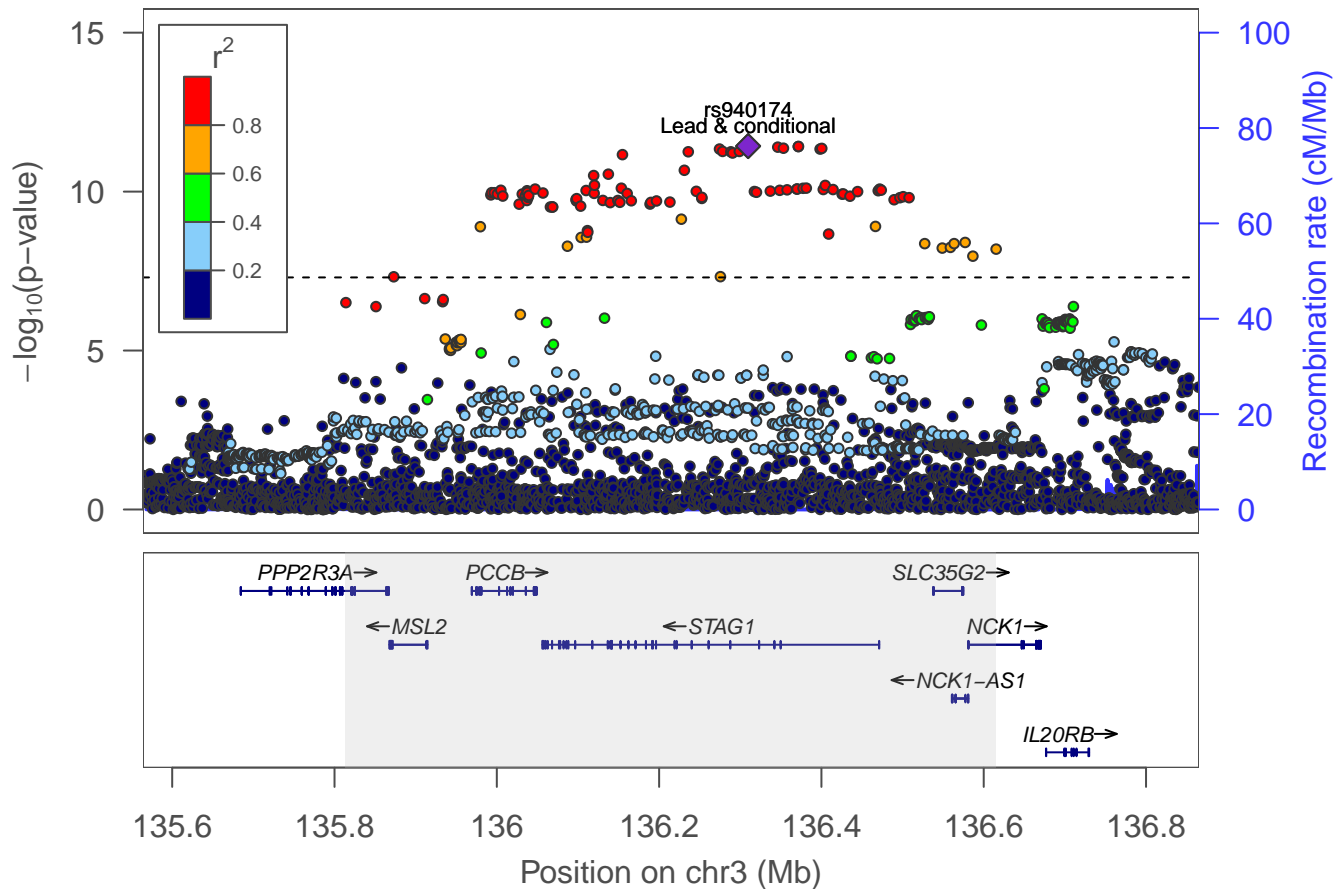
General risk tolerance: locus 28 [chr 3:86.503–86.738Mb]



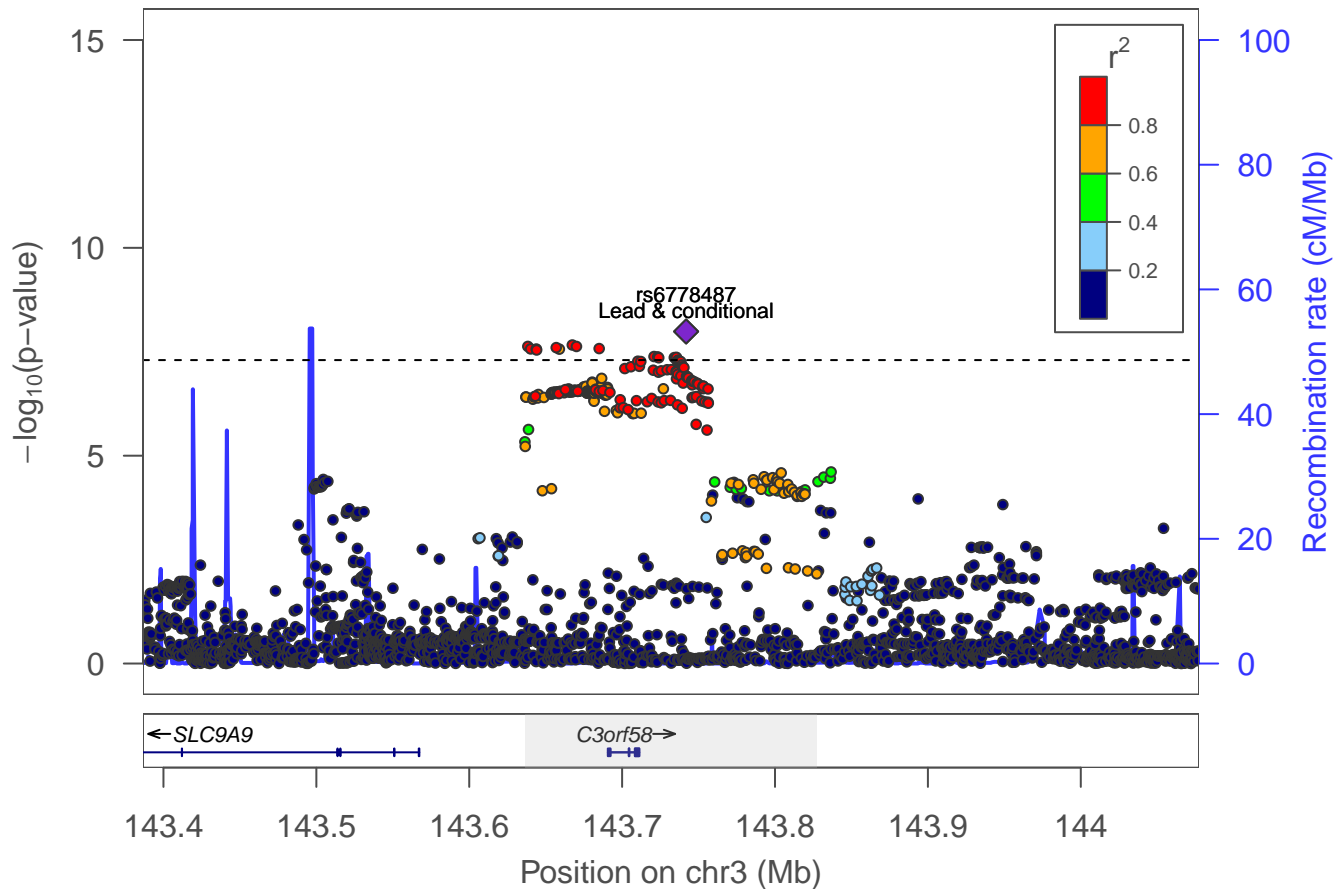
General risk tolerance: locus 29 [chr 3:127.083–127.192Mb]



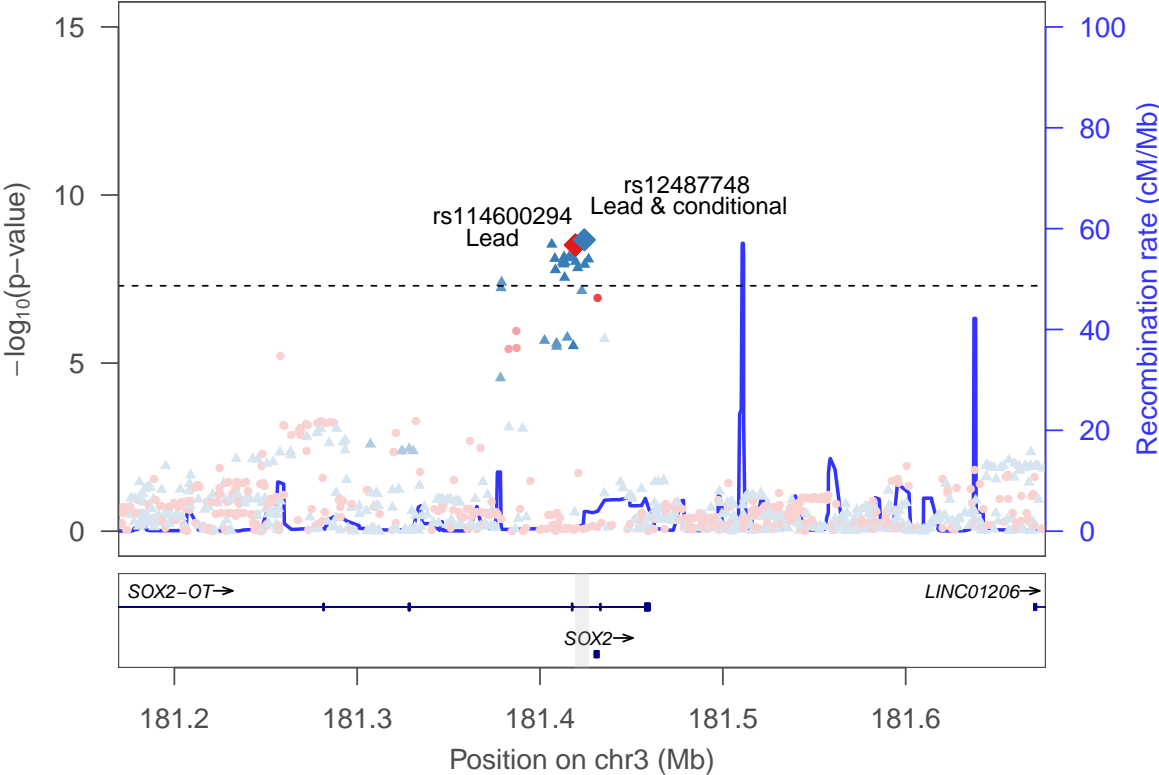
General risk tolerance: locus 30 [chr 3:135.814–136.615Mb]



General risk tolerance: locus 31 [chr 3:143.637–143.827Mb]



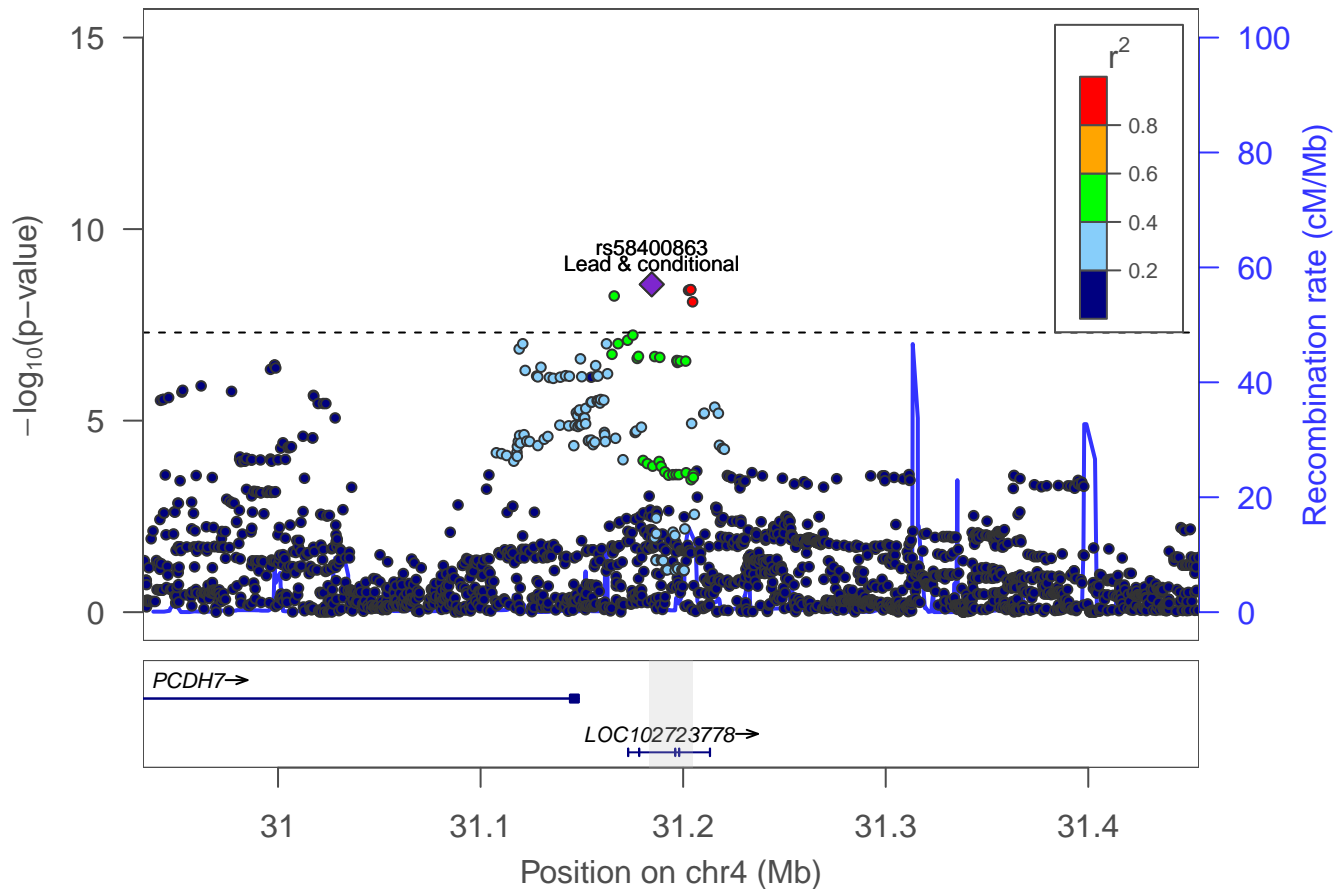
General risk tolerance: Locus 32 [chr 3: 181.419–181.427Mb]



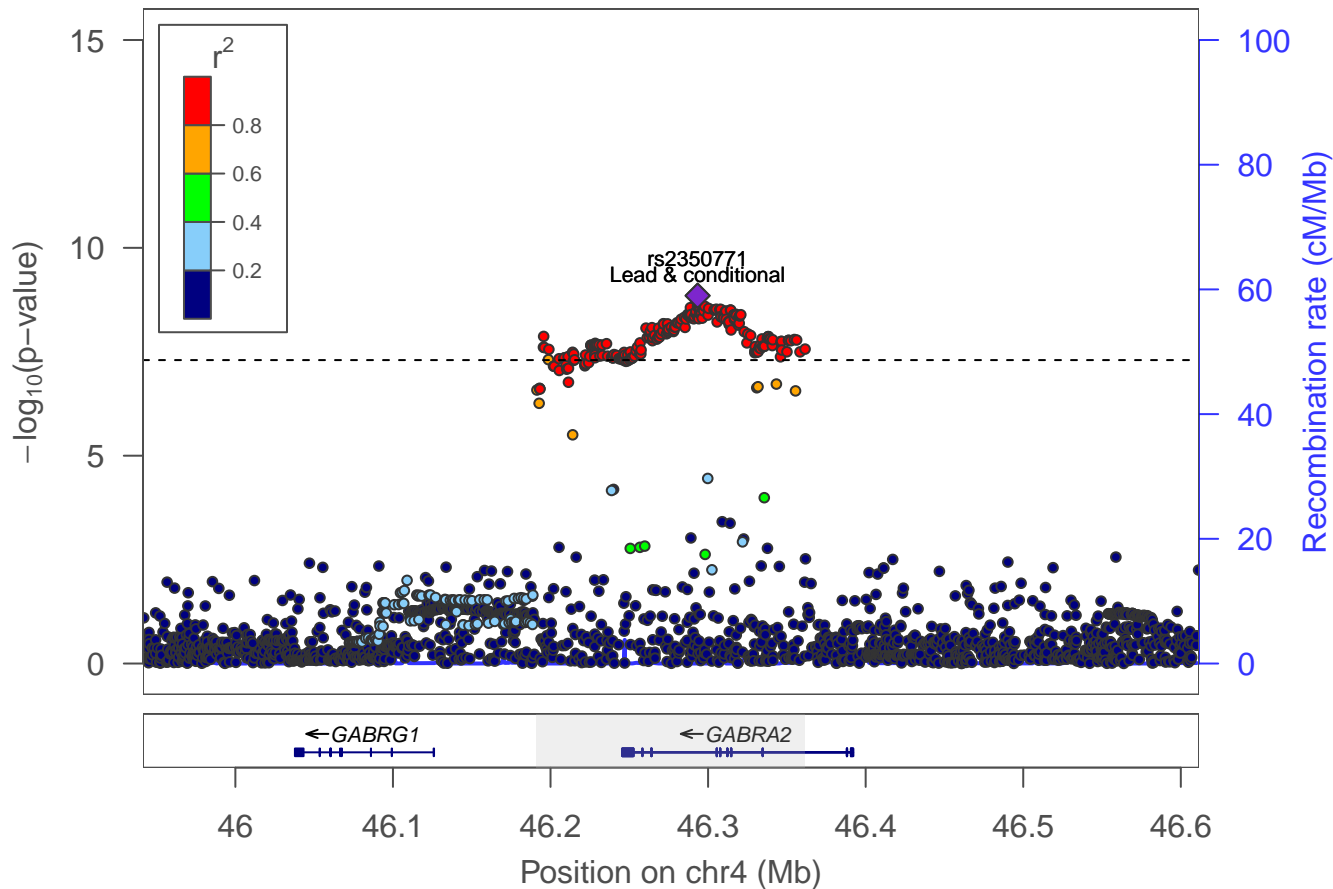
rs12487748 ▲
rs114600294 ●



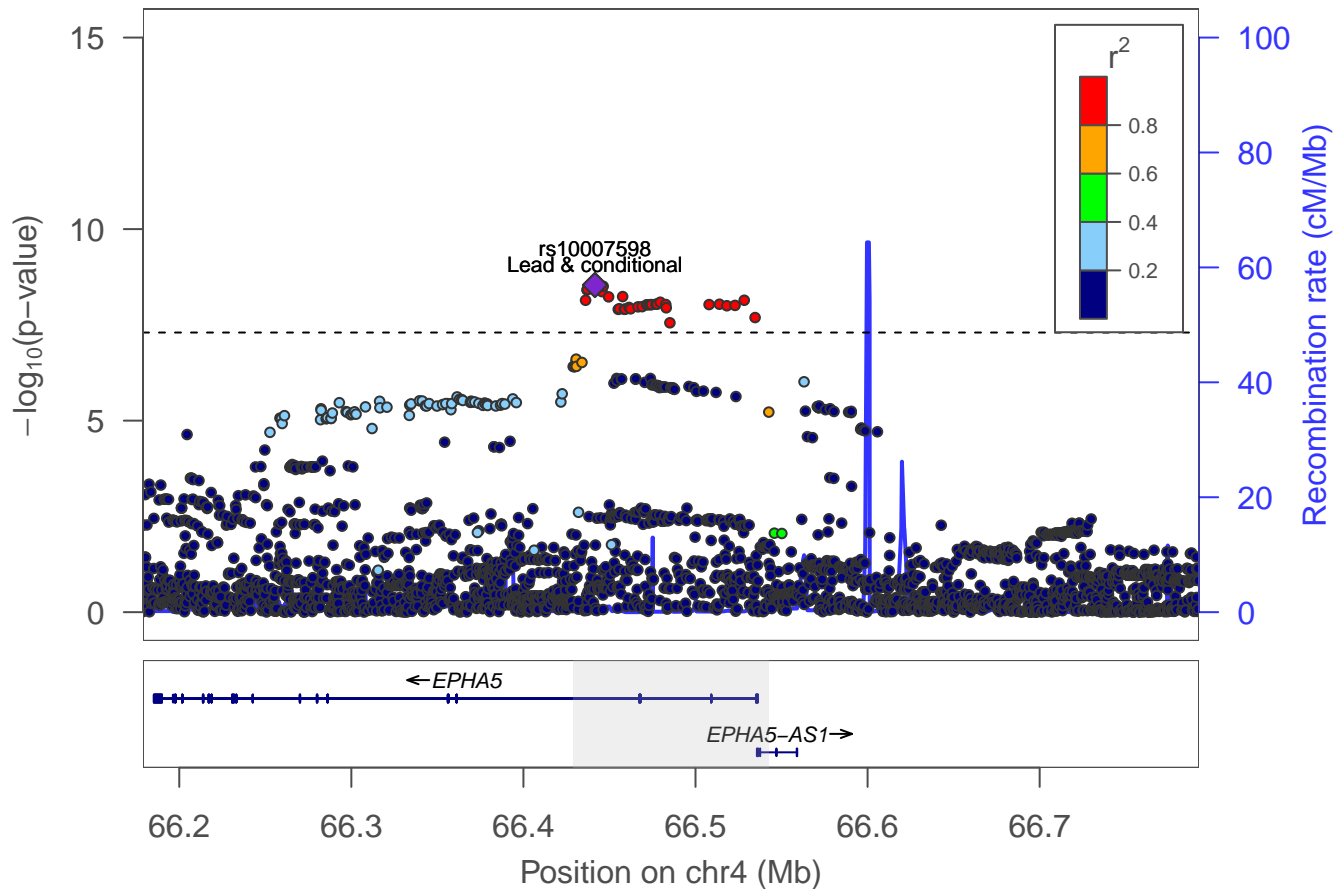
General risk tolerance: locus 33 [chr 4:31.183–31.205Mb]



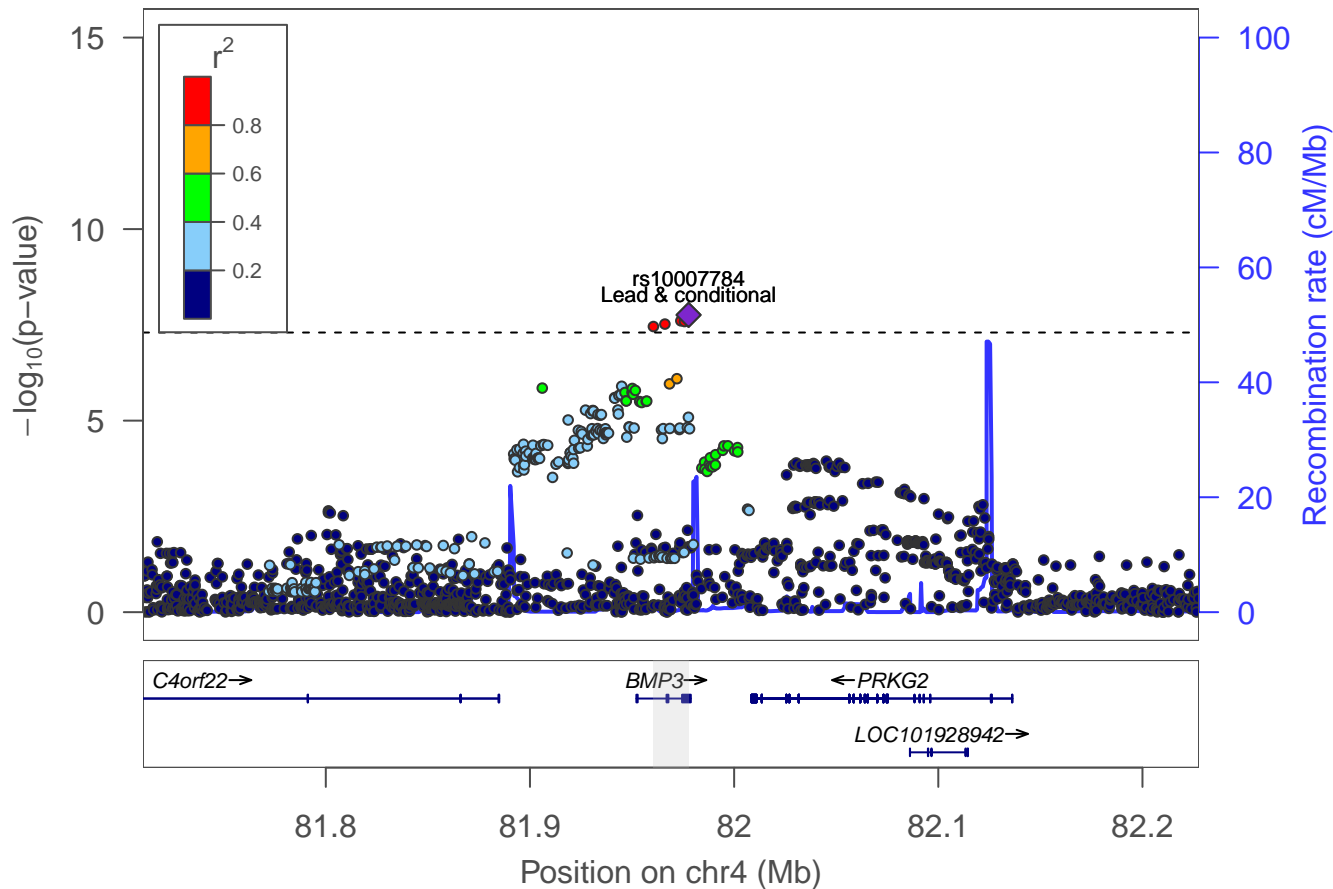
General risk tolerance: locus 34 [chr 4:46.191–46.362Mb]



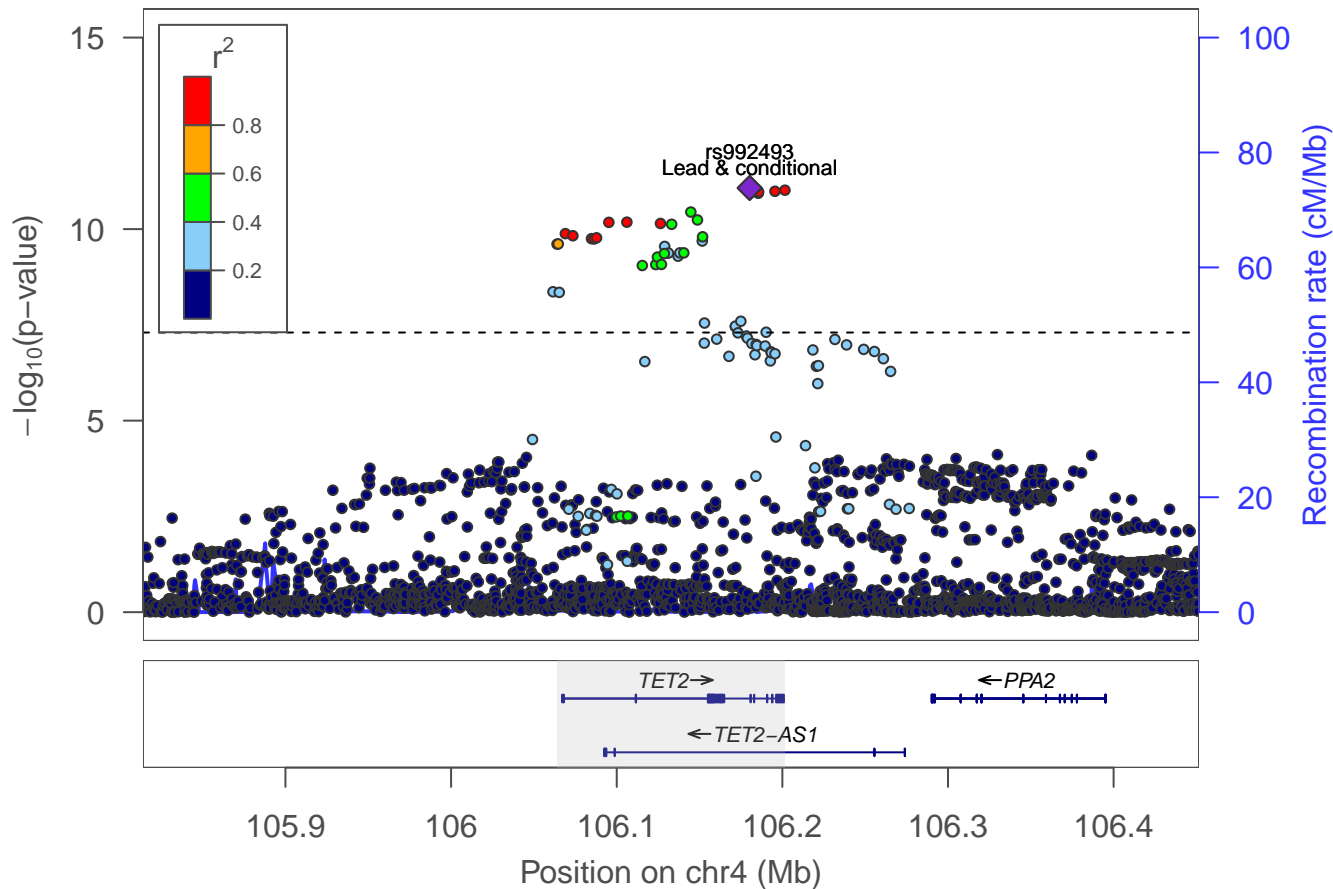
General risk tolerance: locus 35 [chr 4:66.429–66.543Mb]



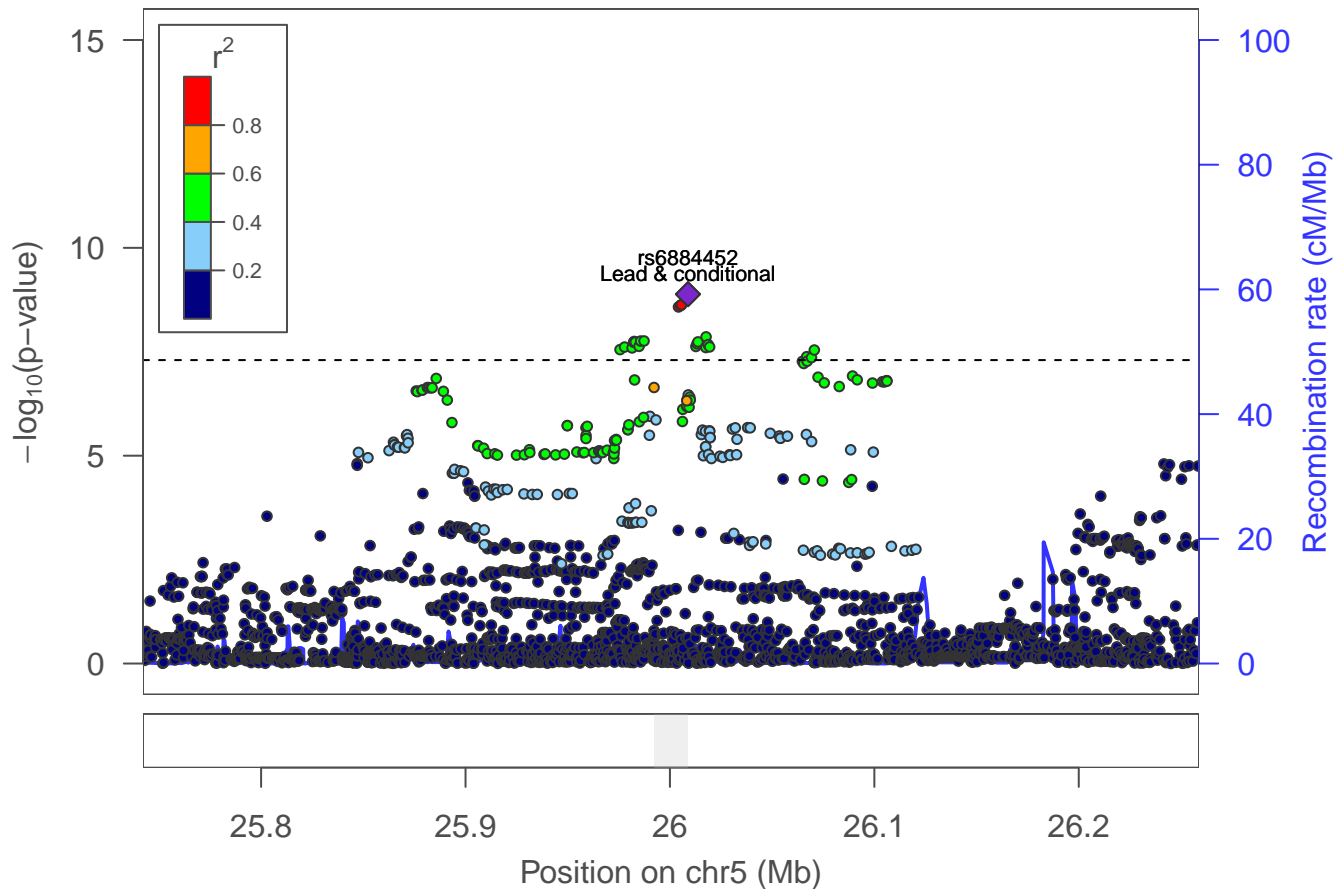
General risk tolerance: locus 36 [chr 4:81.960–81.978Mb]



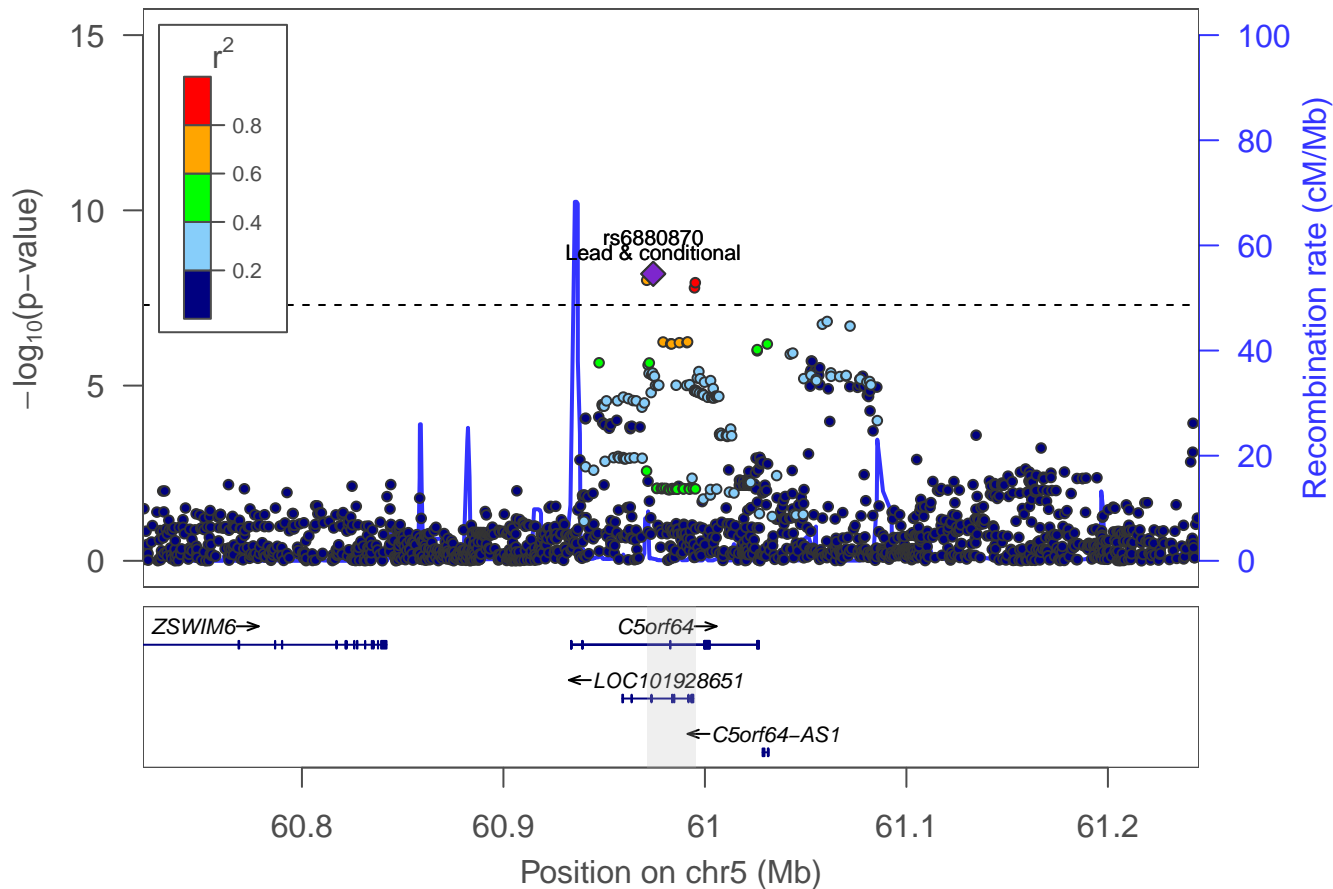
General risk tolerance: locus 37 [chr 4:106.064–106.202Mb]



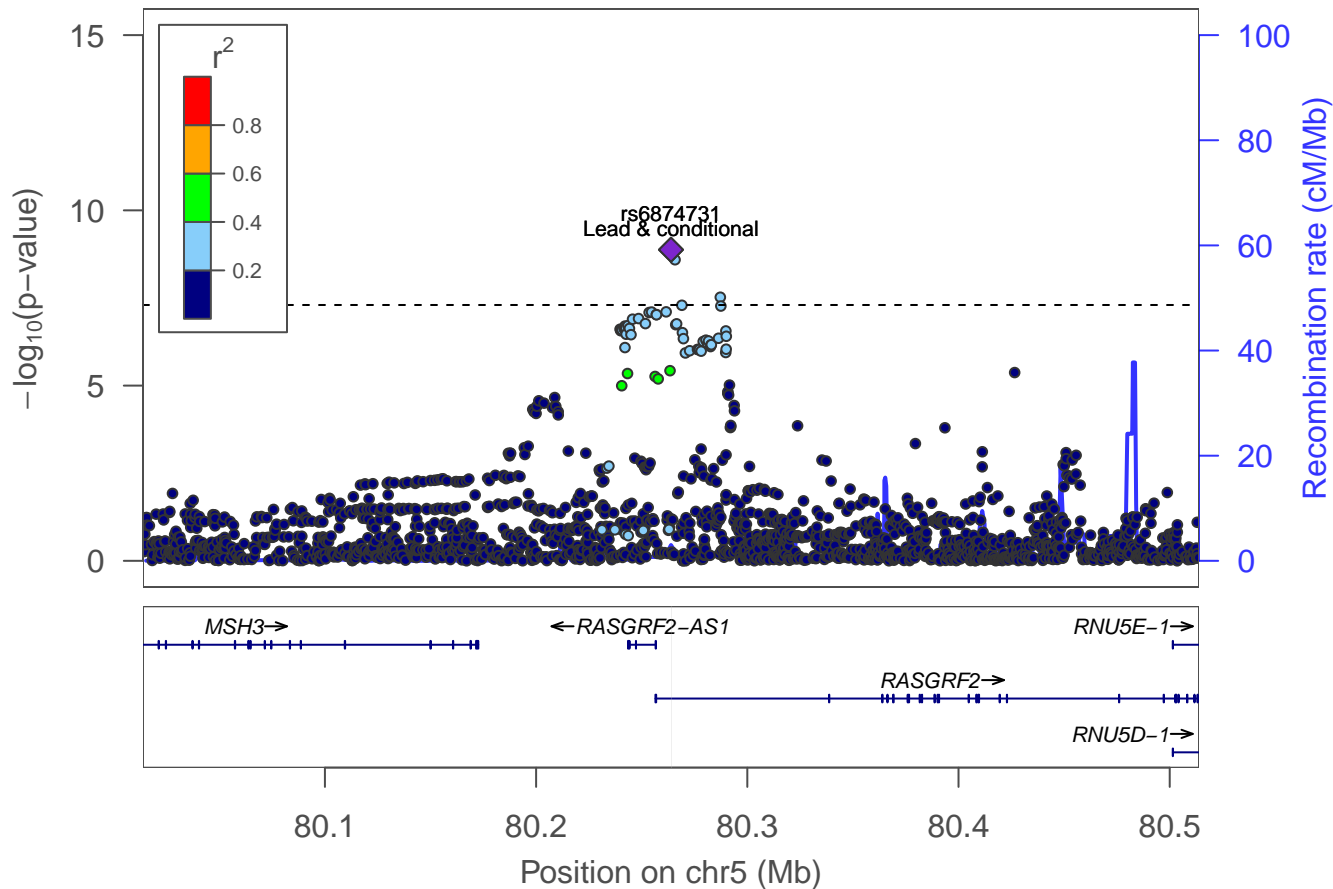
General risk tolerance: locus 38 [chr 5:25.992–26.009Mb]



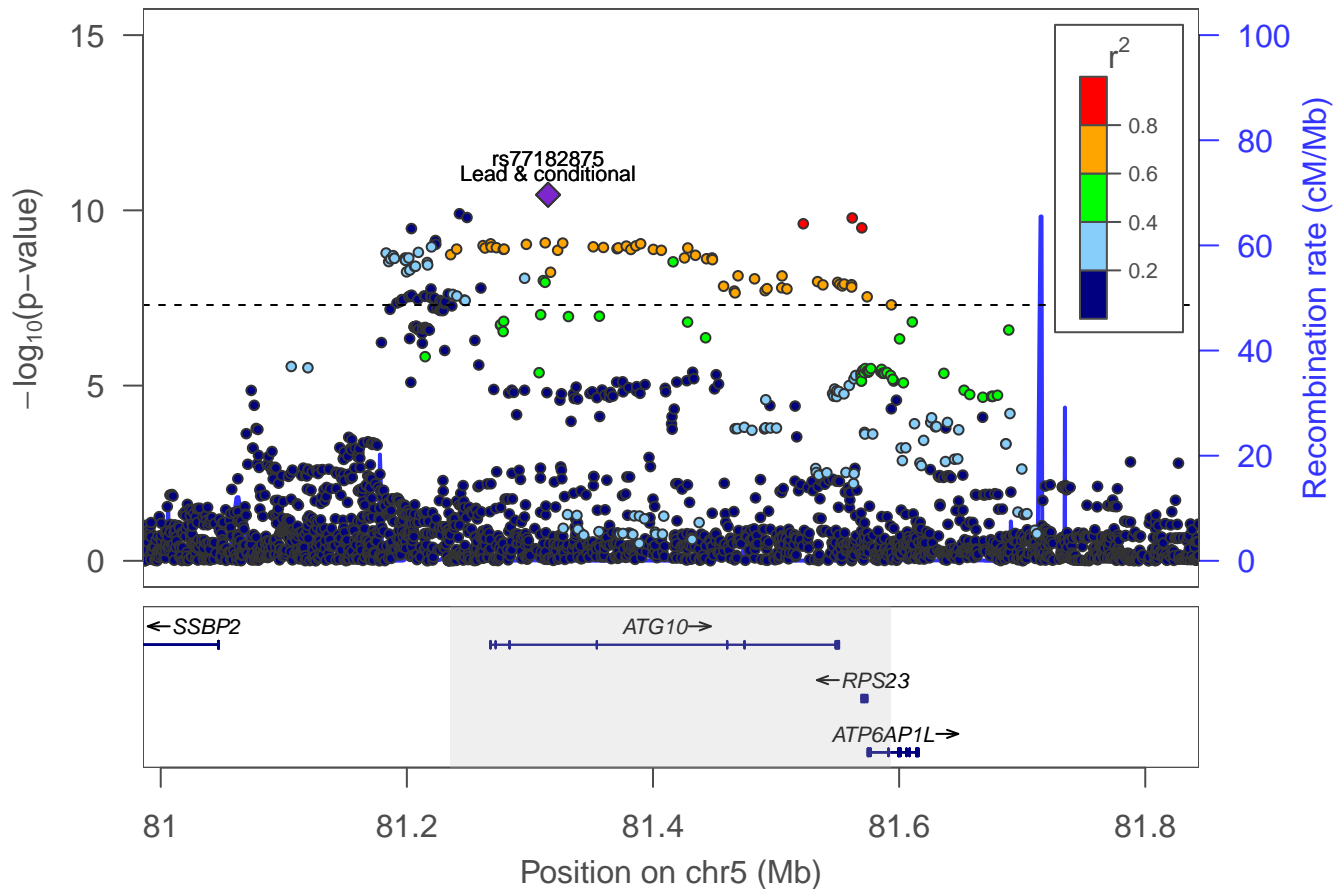
General risk tolerance: locus 39 [chr 5:60.971–60.995Mb]



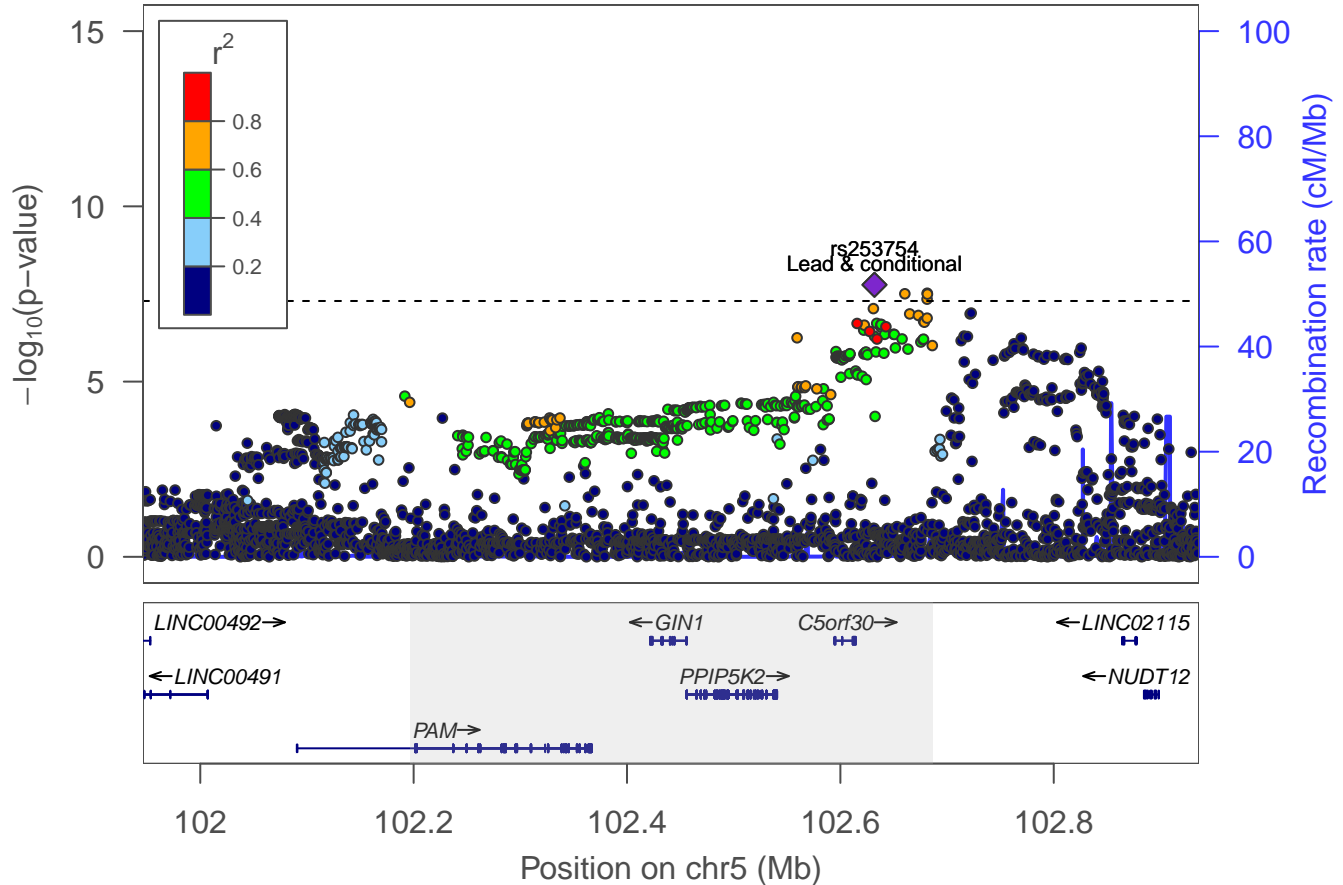
General risk tolerance: locus 40 [chr 5:80.264–80.264Mb]



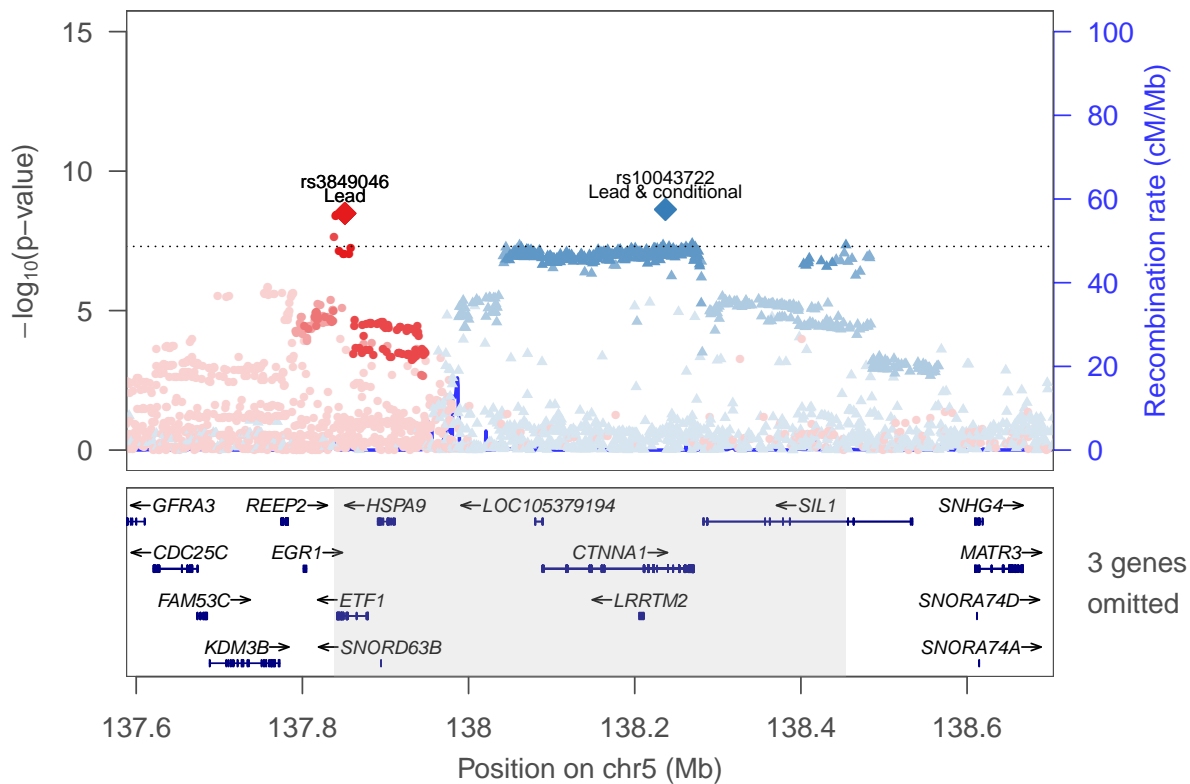
General risk tolerance: locus 41 [chr 5:81.236–81.594Mb]



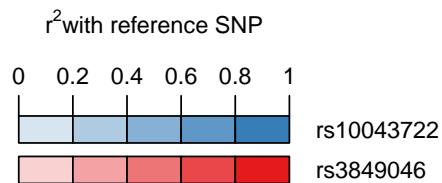
General risk tolerance: locus 42 [chr 5:102.196–102.686Mb]



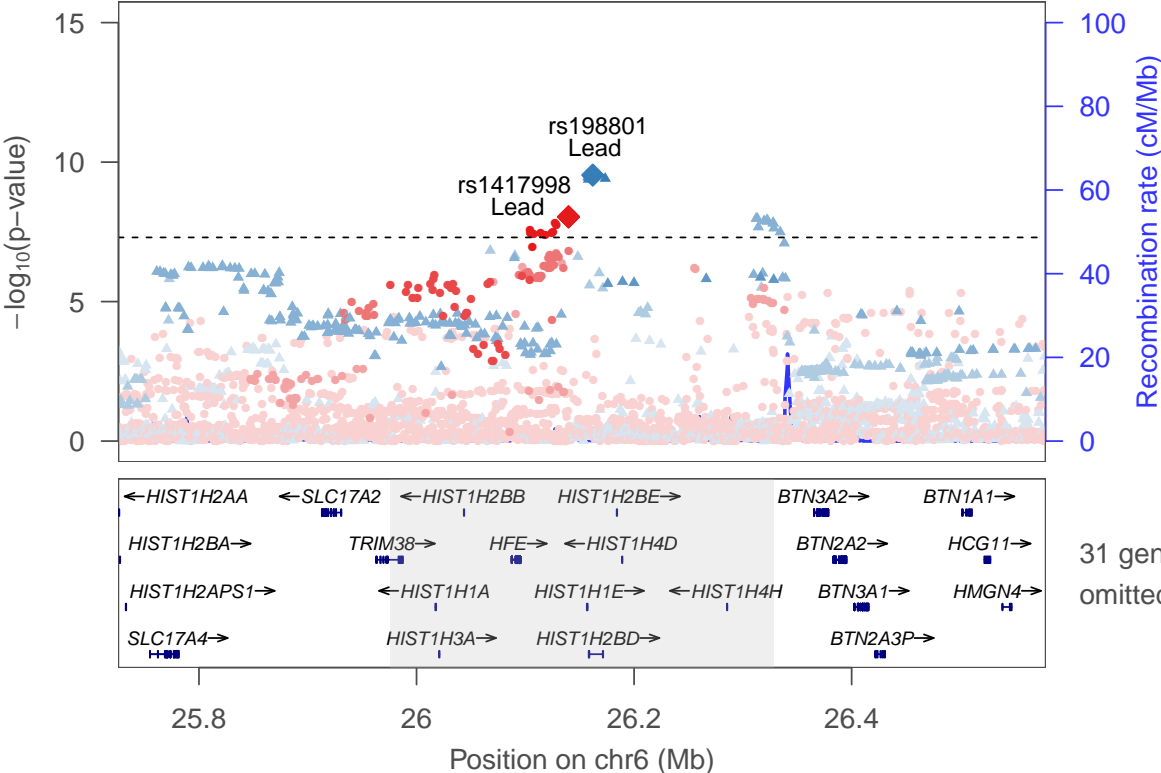
General risk tolerance: Locus 43 [chr 5: 137.838–138.454Mb]



rs10043722 ▲
 rs3849046 ●



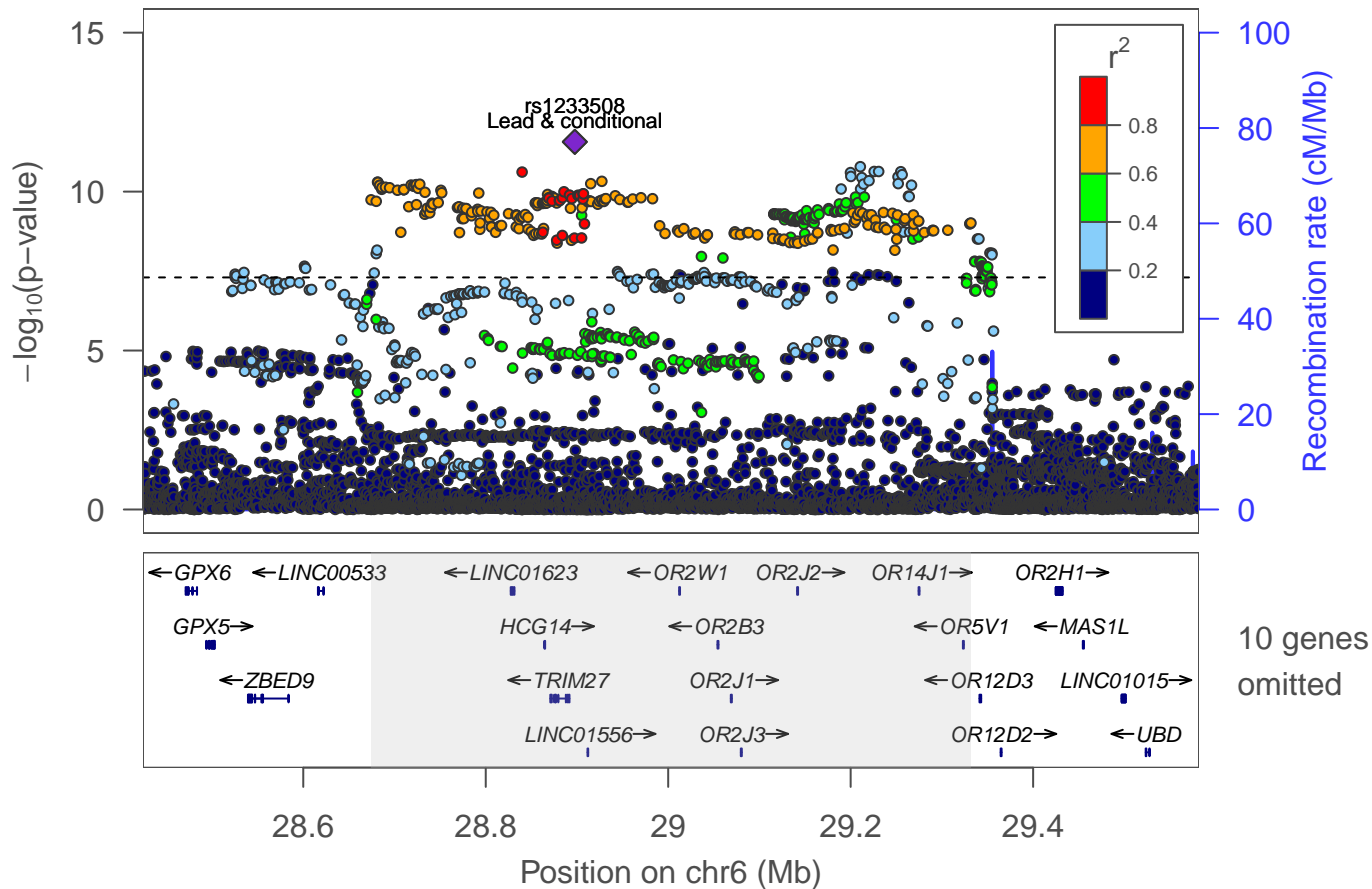
General risk tolerance: Locus 44 [chr 6: 25.976–26.328Mb]



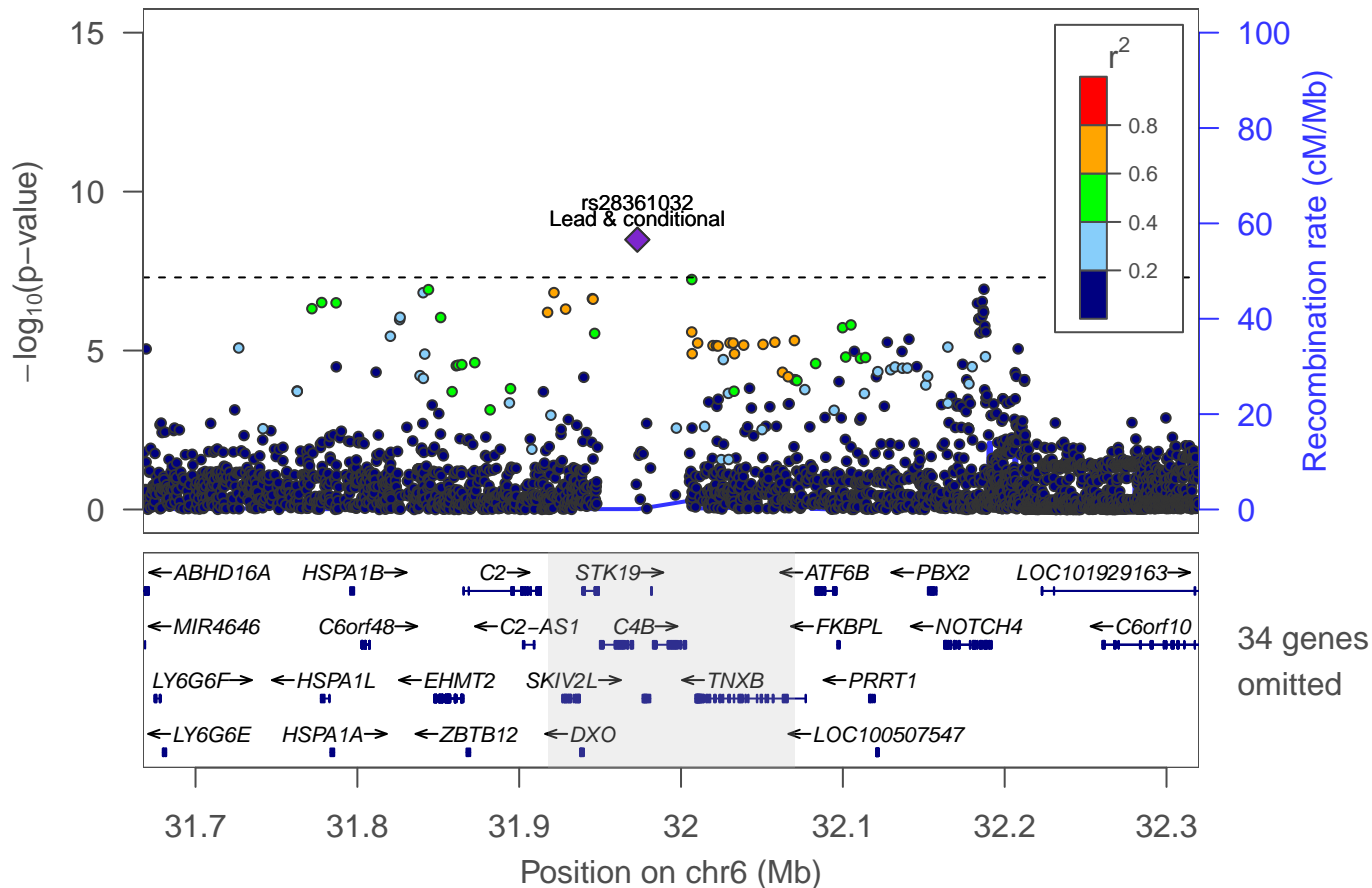
rs1417998 ▲
rs198801 ●



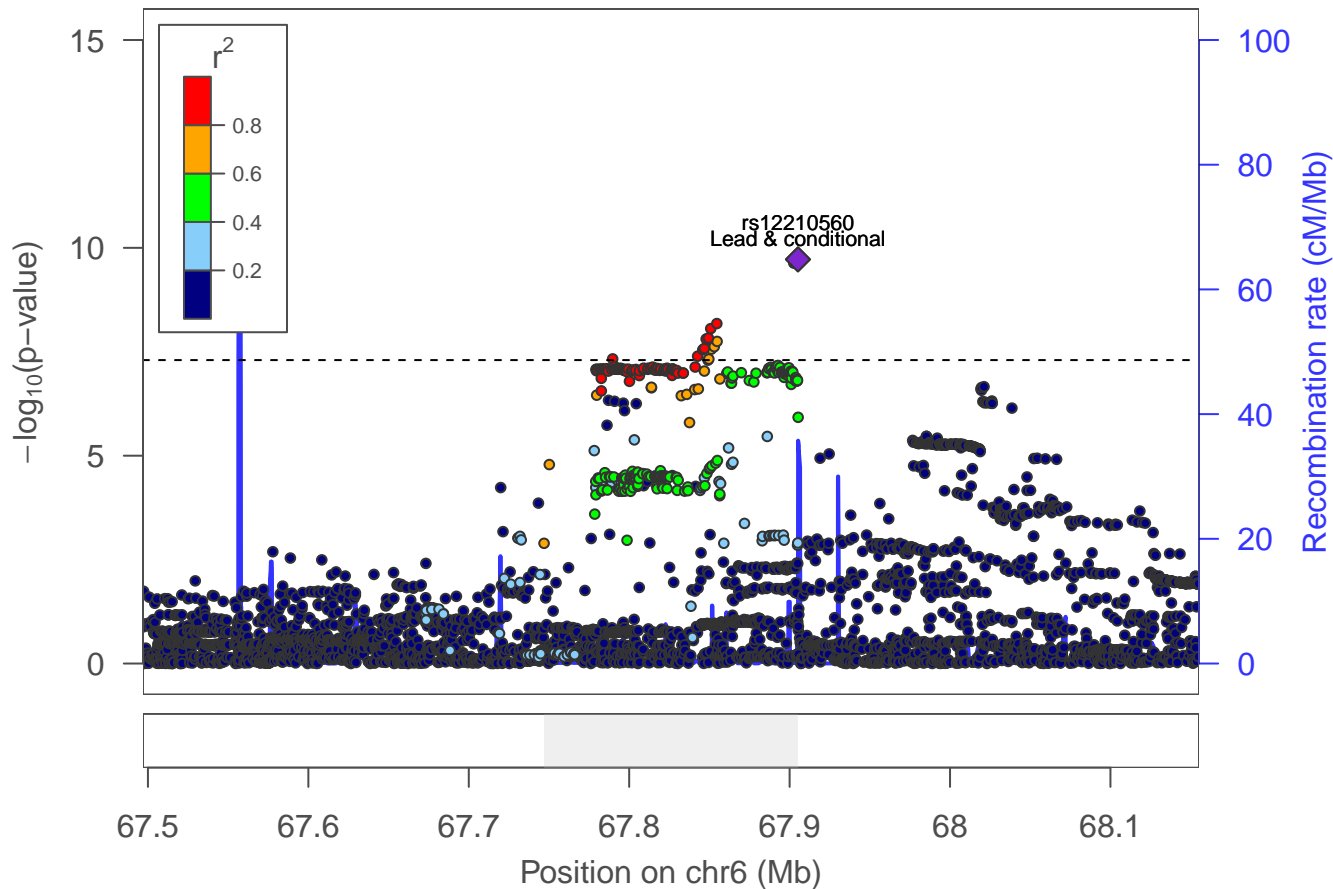
General risk tolerance: locus 45 [chr 6:28.674–29.332Mb]



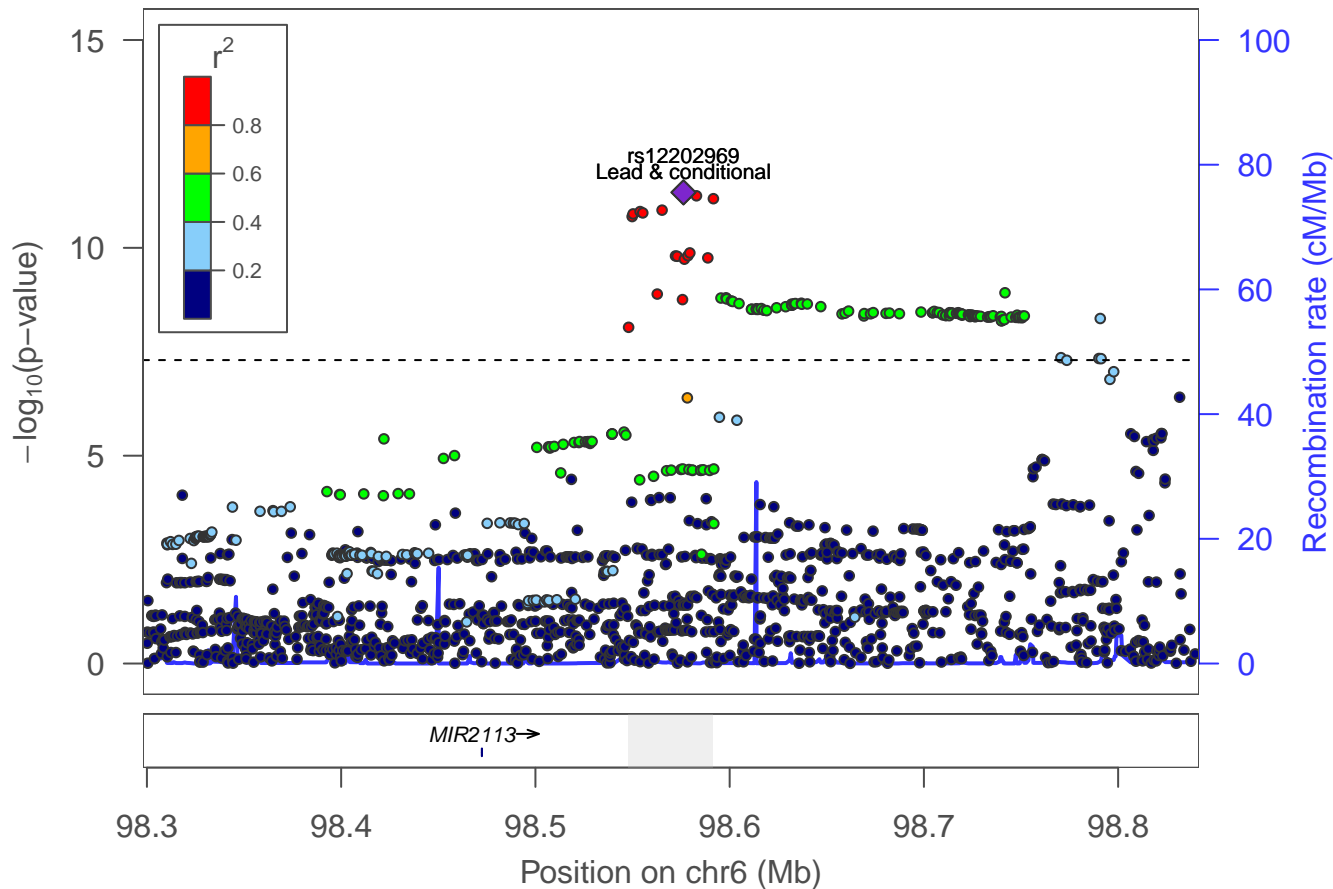
General risk tolerance: locus 46 [chr 6:31.918–32.070Mb]



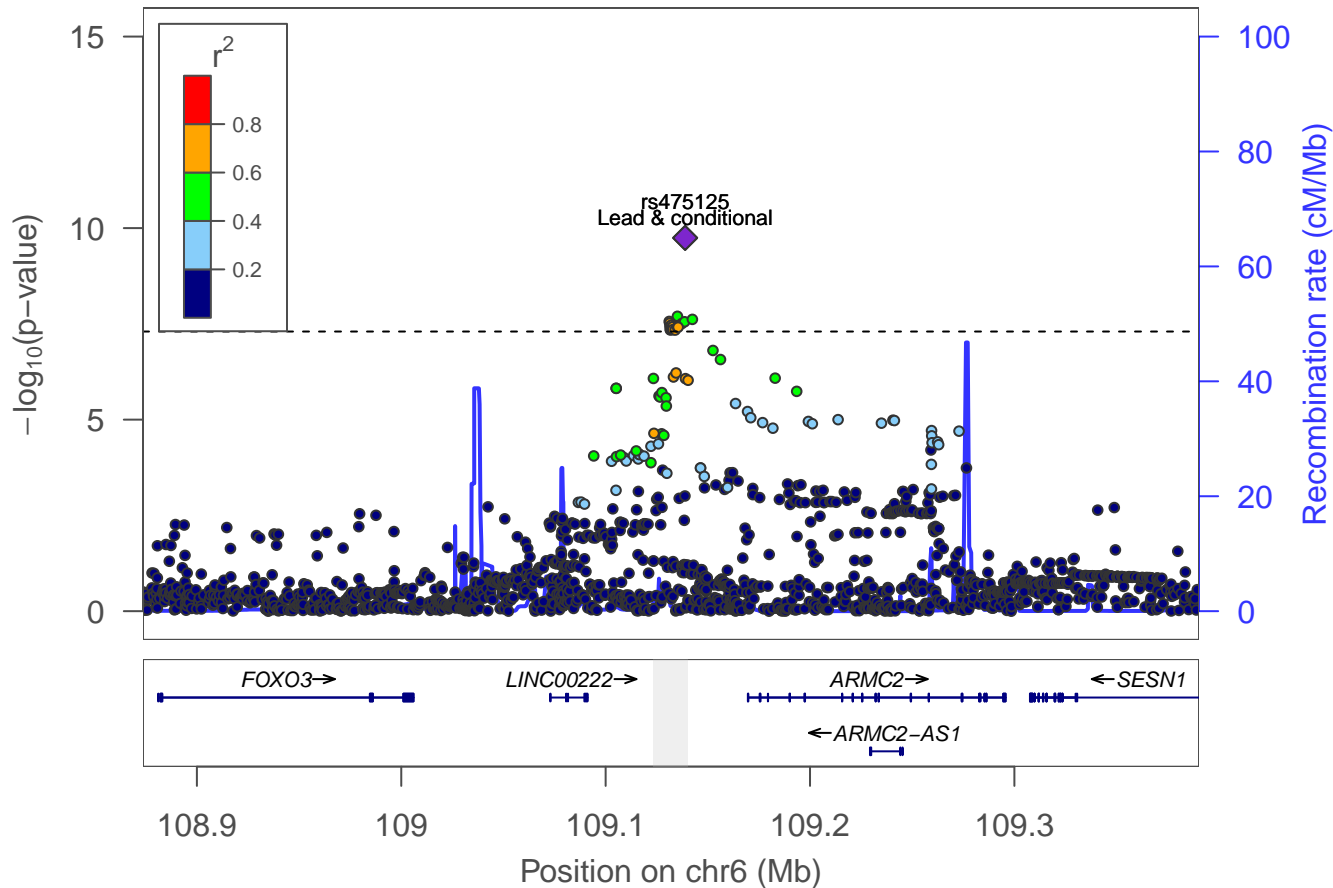
General risk tolerance: locus 47 [chr 6:67.747–67.905Mb]



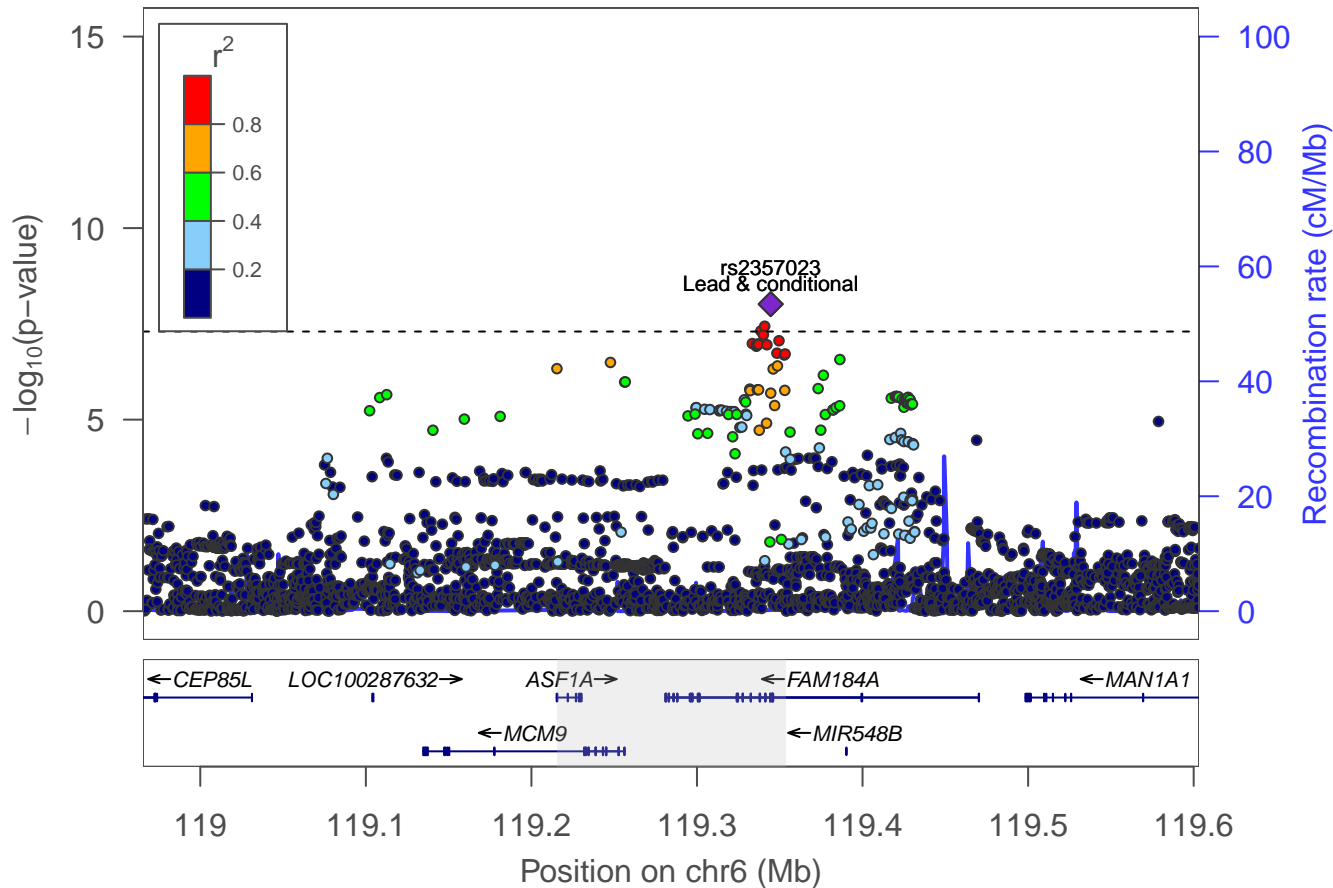
General risk tolerance: locus 48 [chr 6:98.548–98.592Mb]



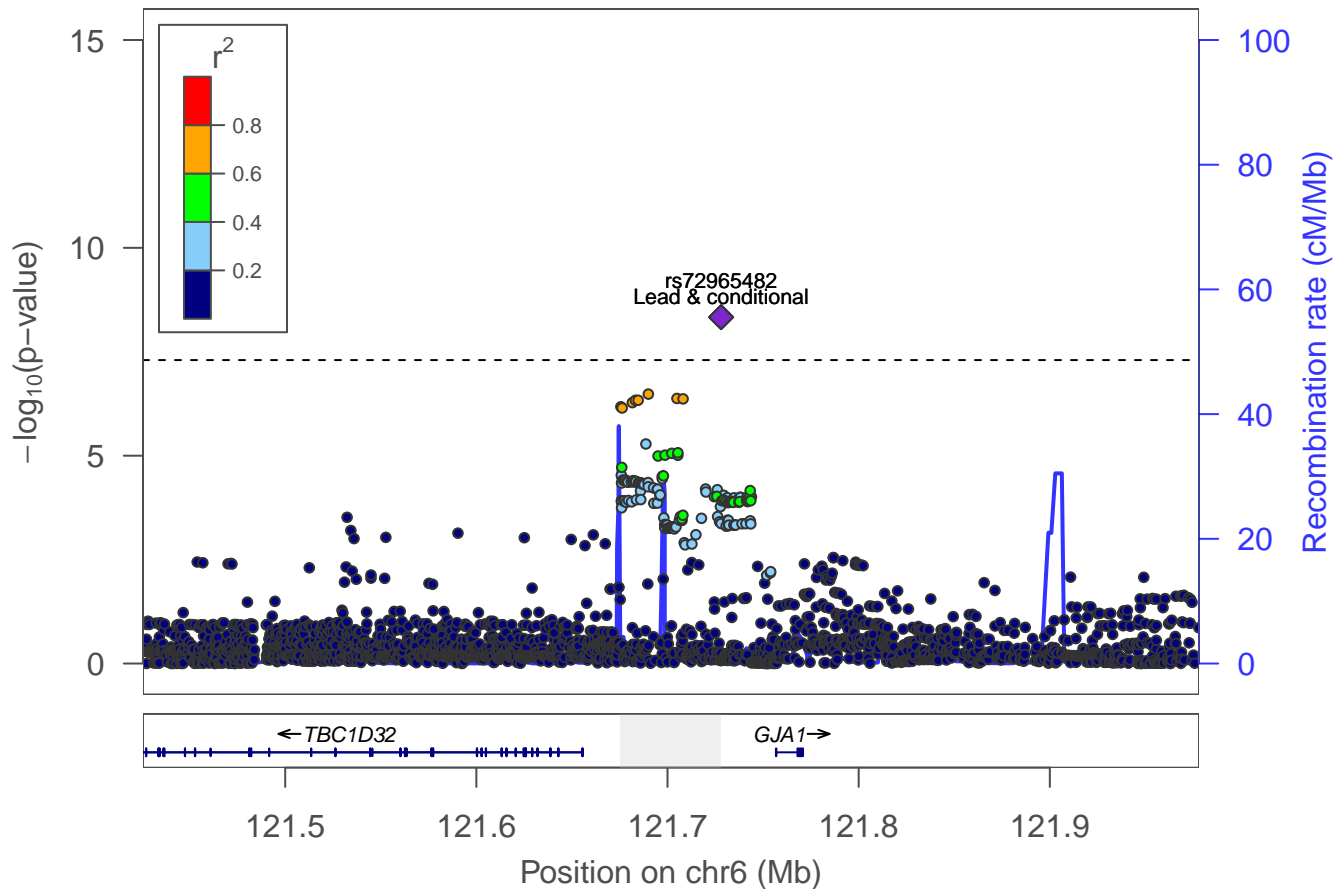
General risk tolerance: locus 49 [chr 6:109.124–109.140Mb]



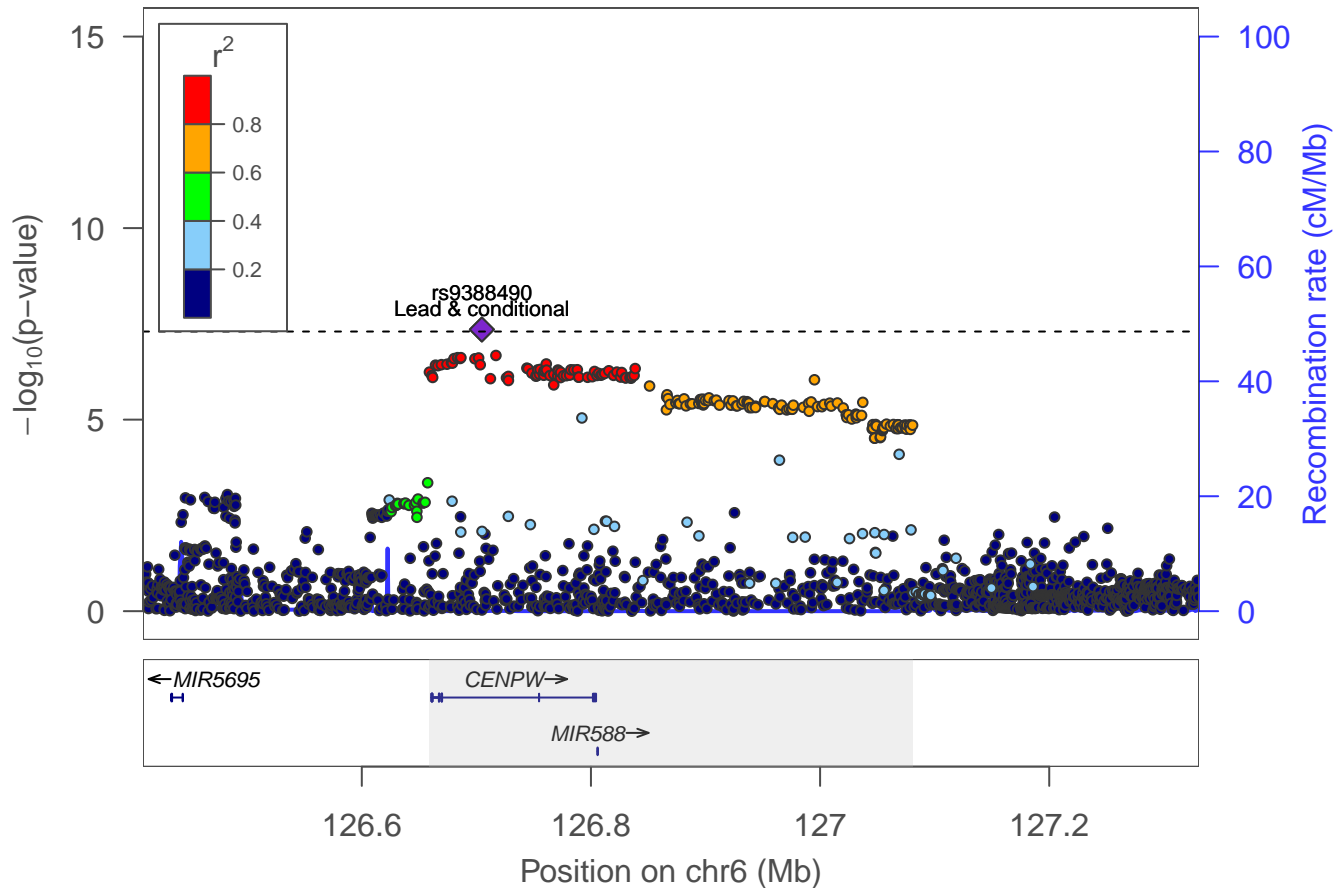
General risk tolerance: locus 50 [chr 6:119.215–119.353Mb]



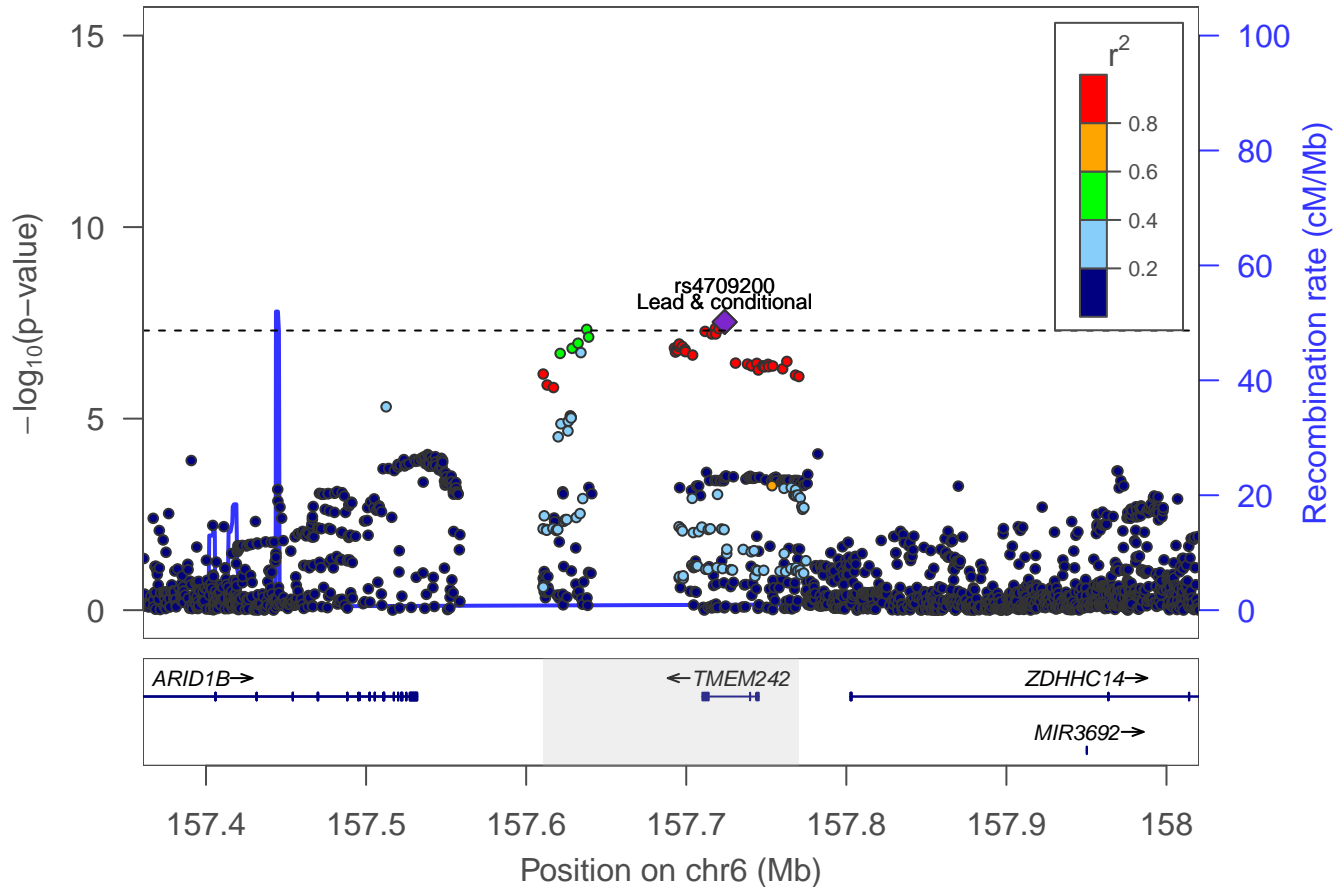
General risk tolerance: locus 51 [chr 6:121.676–121.728Mb]



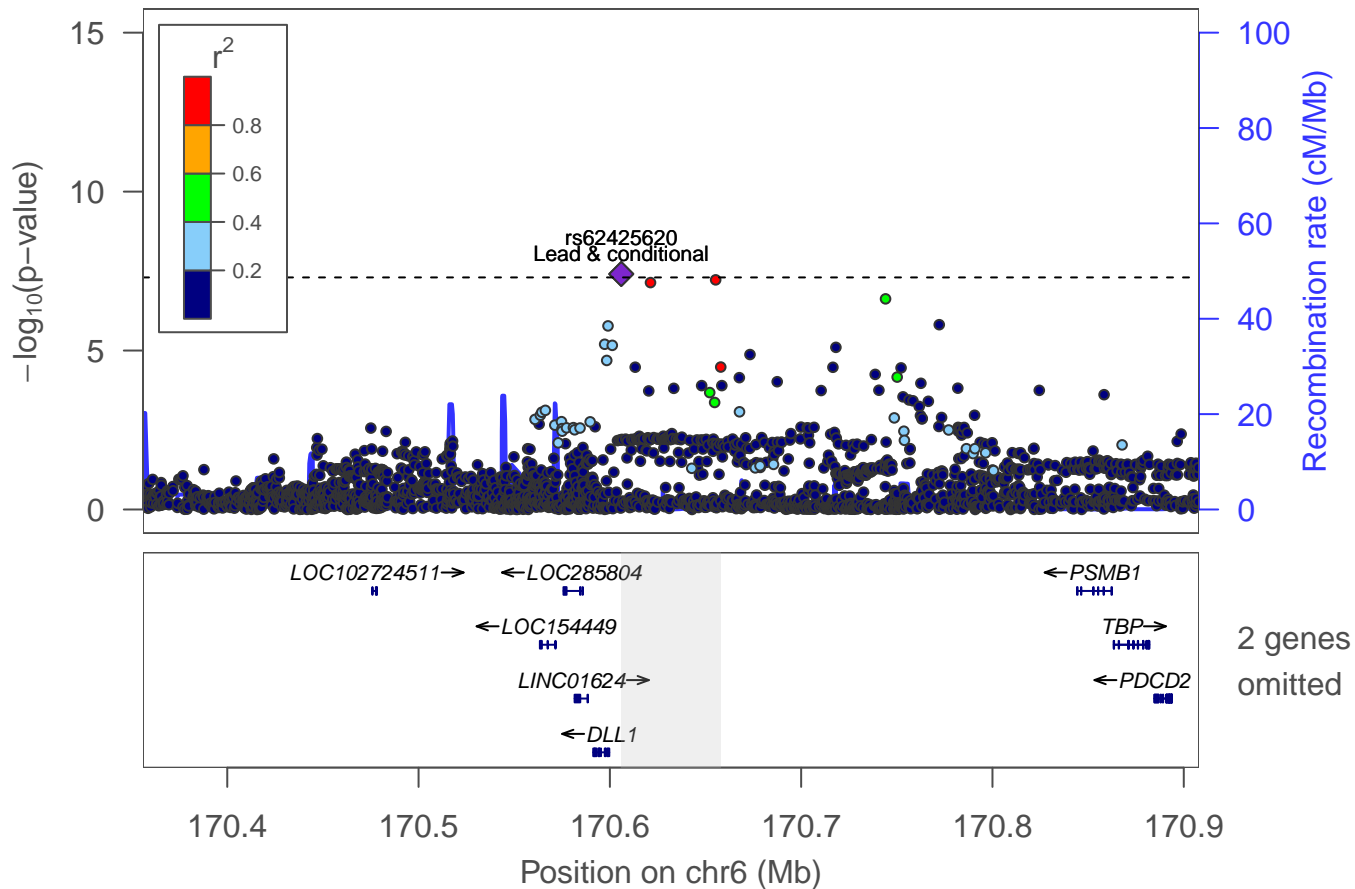
General risk tolerance: locus 52 [chr 6:126.659–127.081Mb]



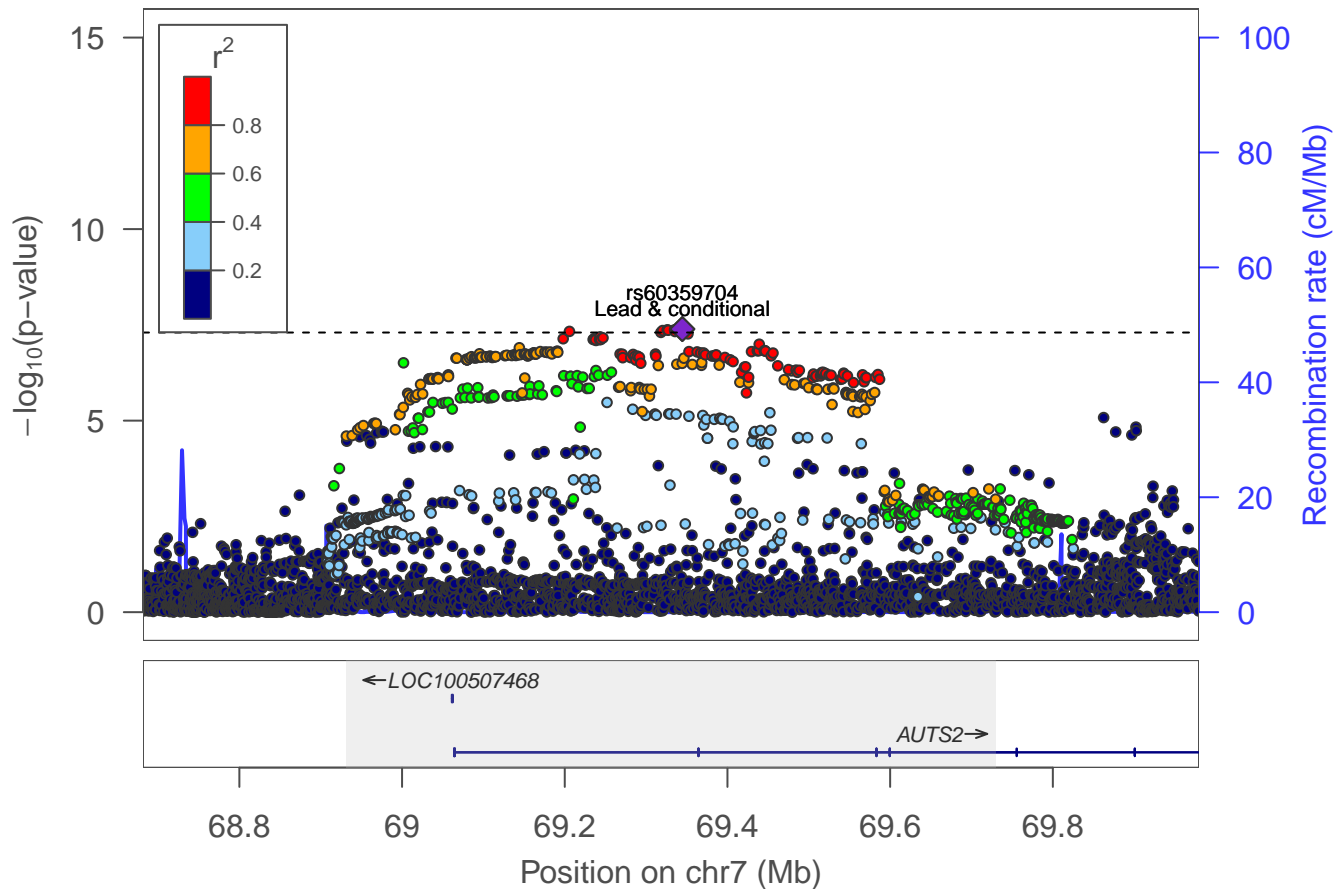
General risk tolerance: locus 53 [chr 6:157.611–157.770Mb]



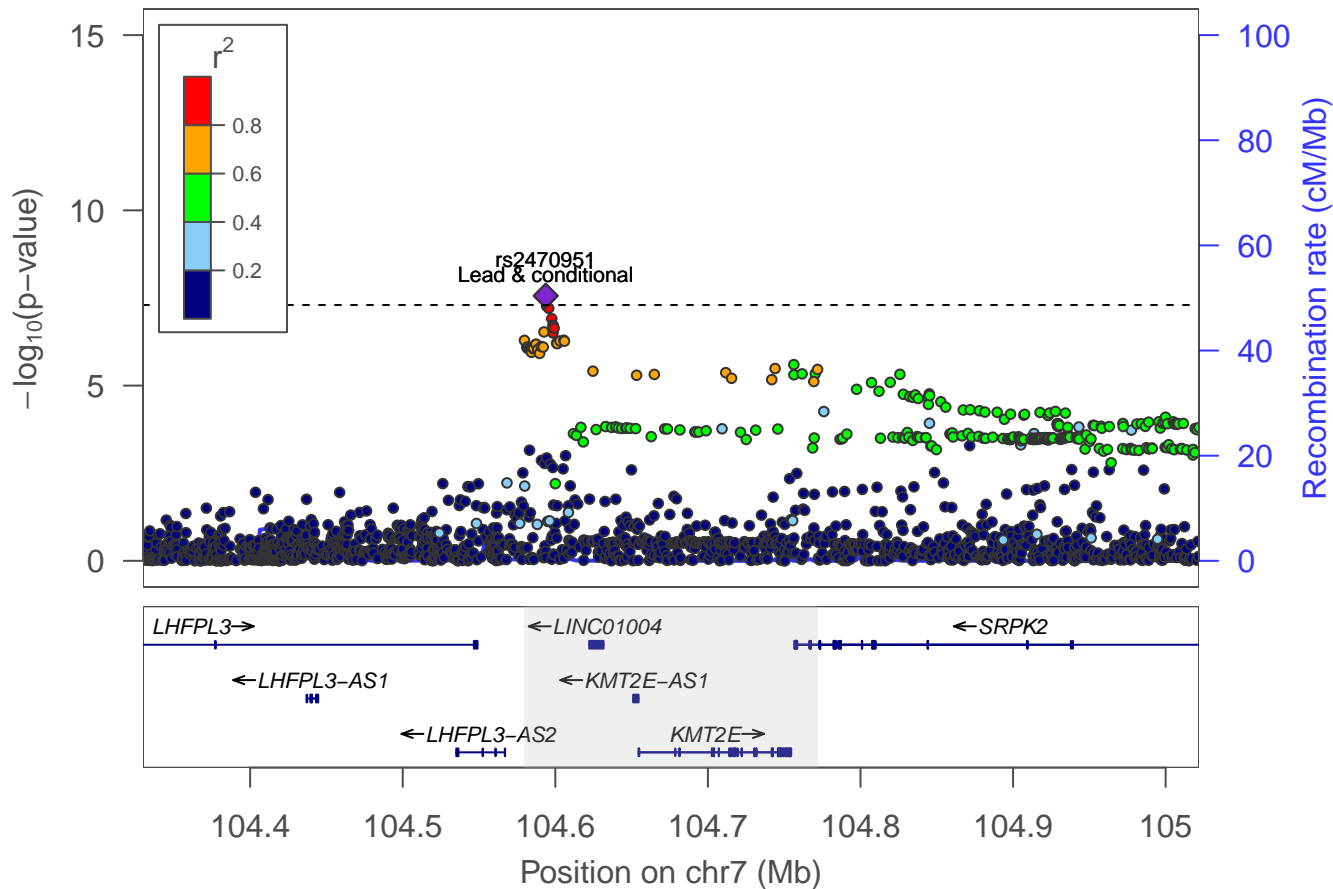
General risk tolerance: locus 54 [chr 6:170.606–170.658Mb]



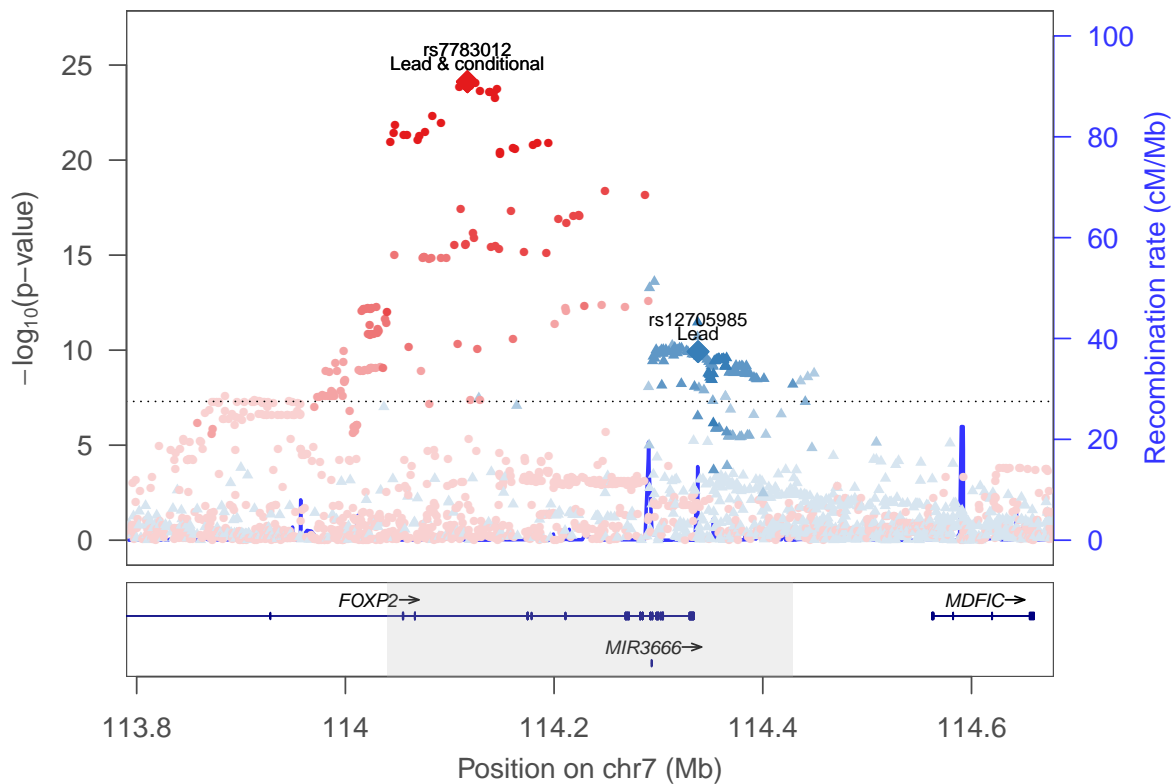
General risk tolerance: locus 55 [chr 7:68.932–69.730Mb]



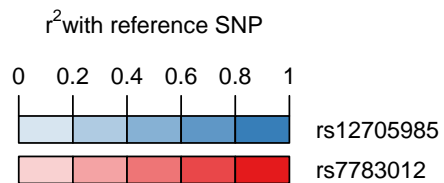
General risk tolerance: locus 56 [chr 7:104.580–104.772Mb]



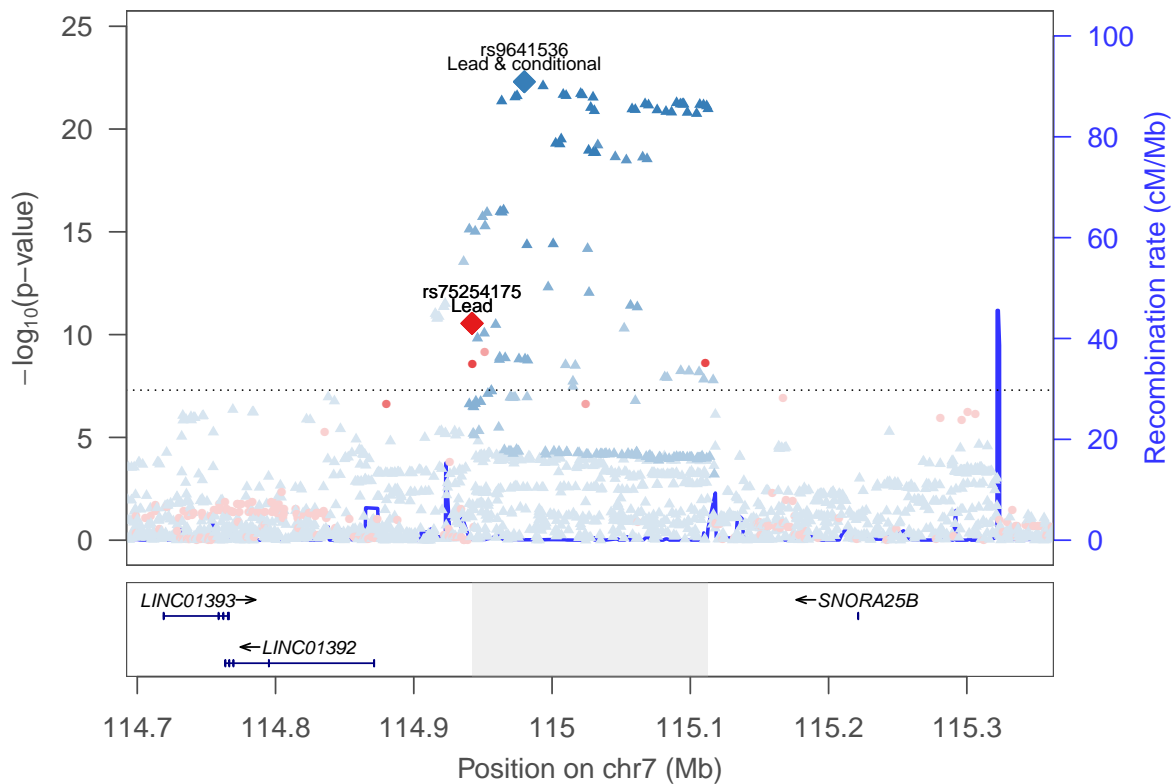
General risk tolerance: Locus 57 [chr 7: 114.040–114.429Mb]



rs12705985 ▲
rs7783012 ●



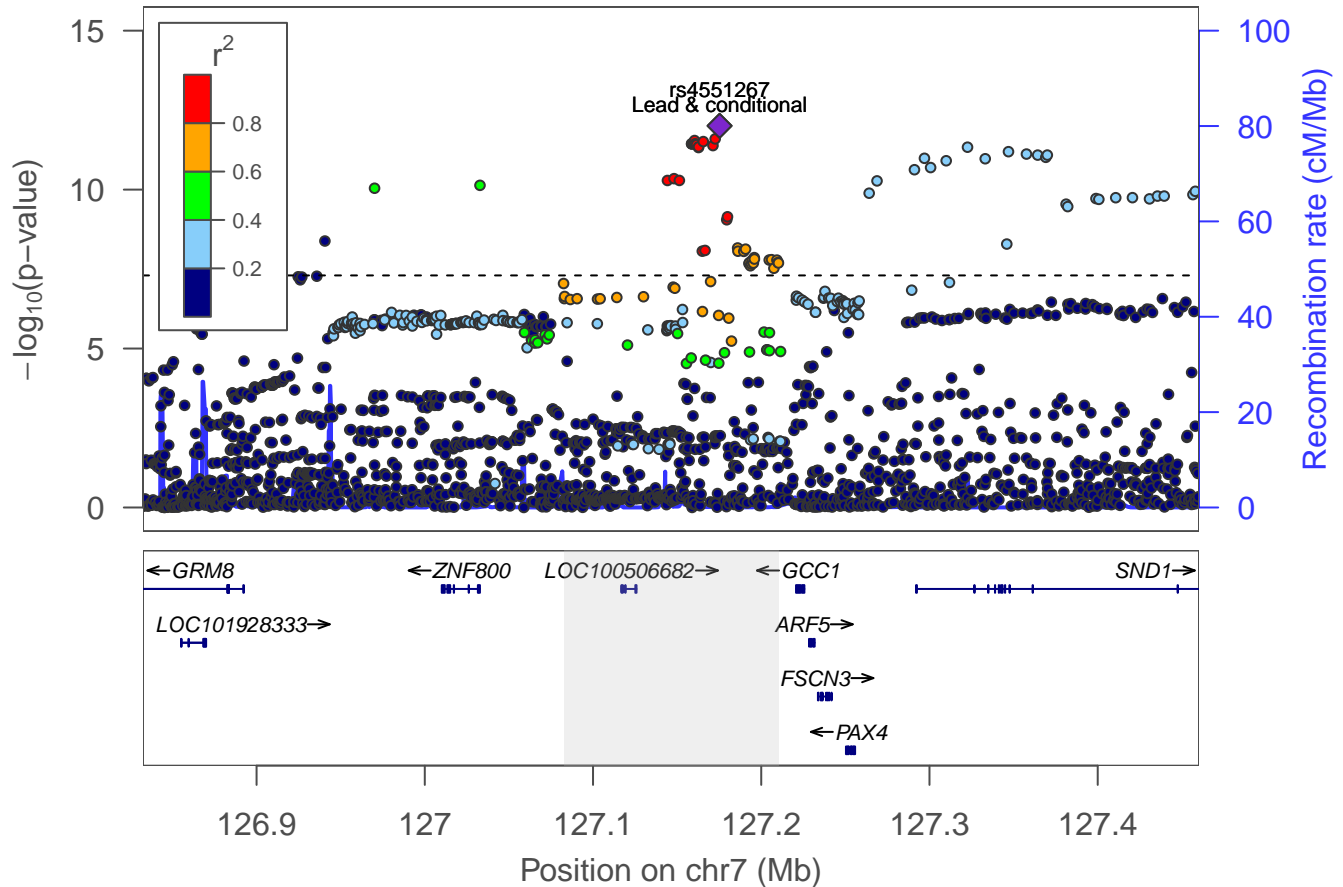
General risk tolerance: Locus 58 [chr 7: 114.942–115.113Mb]



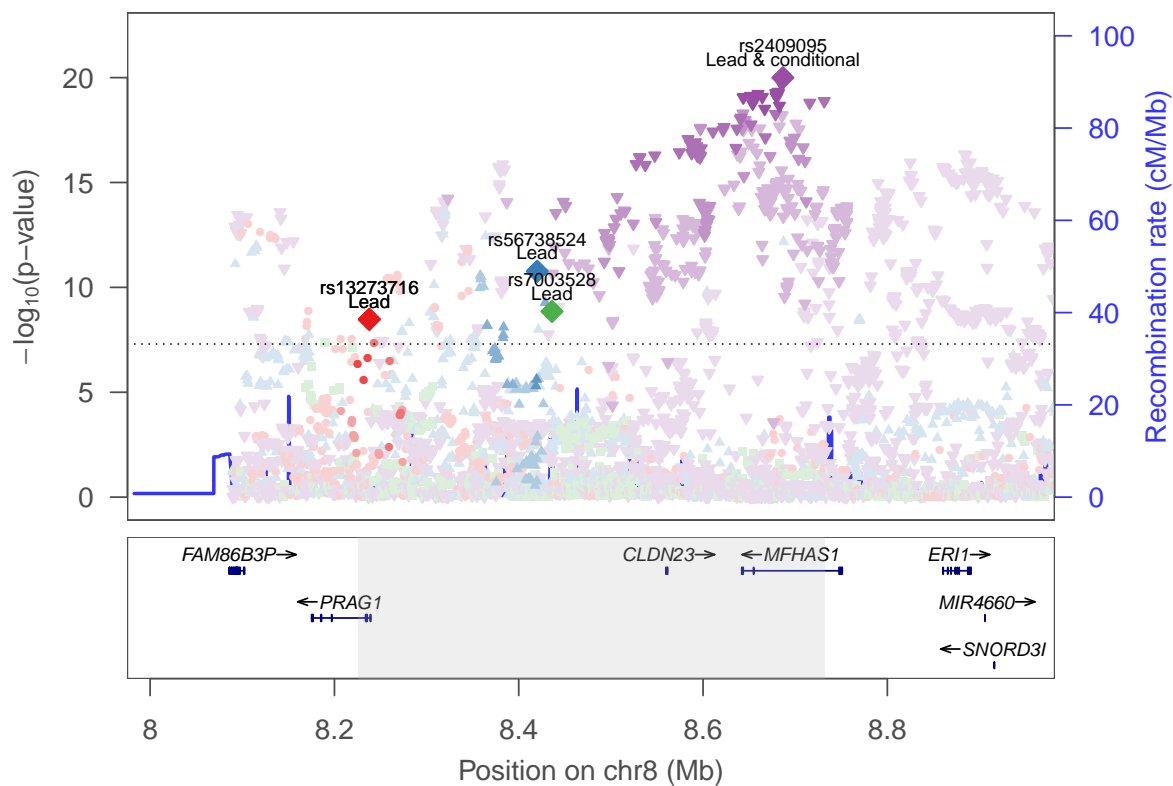
rs9641536 ▲
rs75254175 ●



General risk tolerance: locus 59 [chr 7:127.082–127.210Mb]



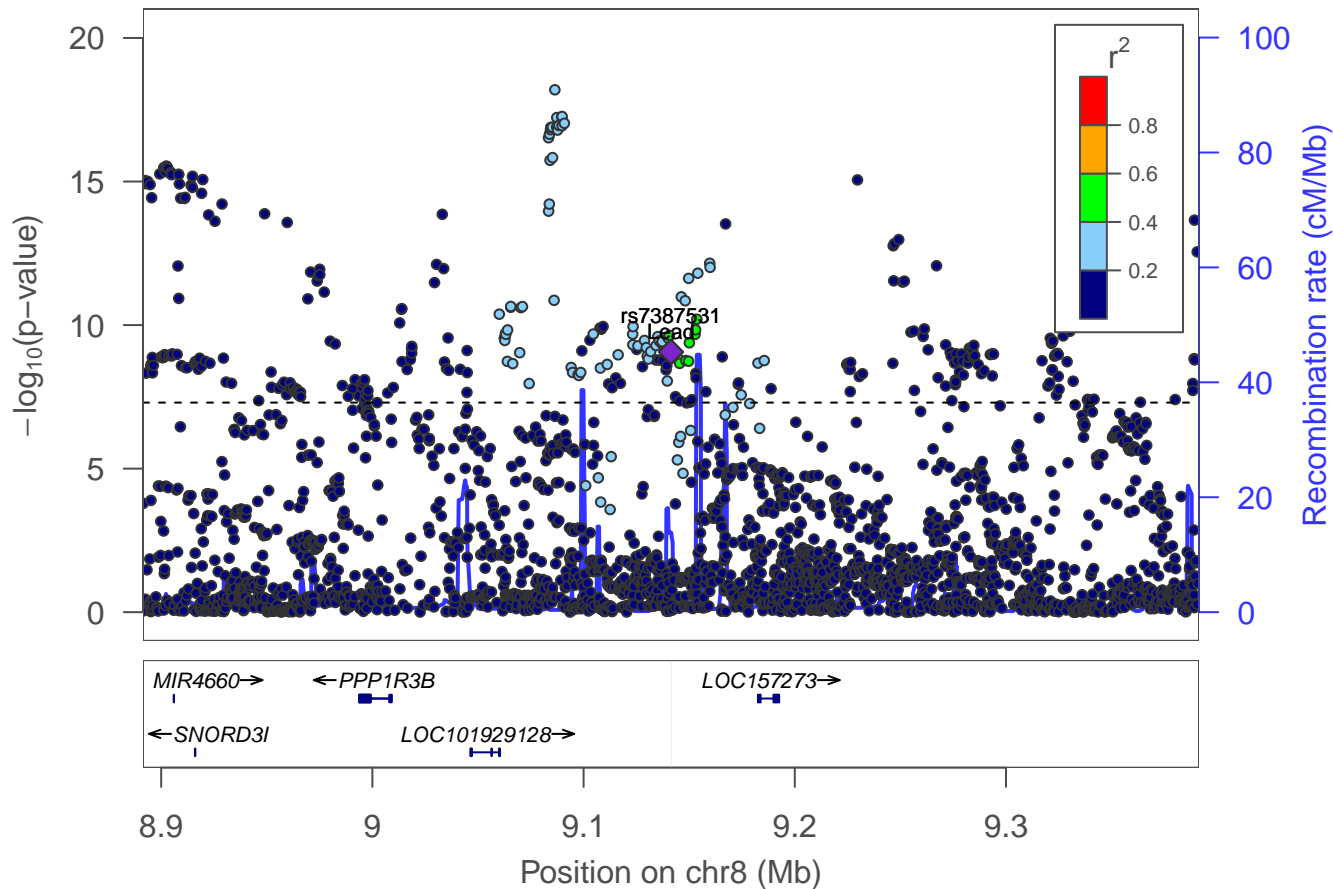
General risk tolerance: Locus 60 [chr 8: 8.225–8.732Mb]



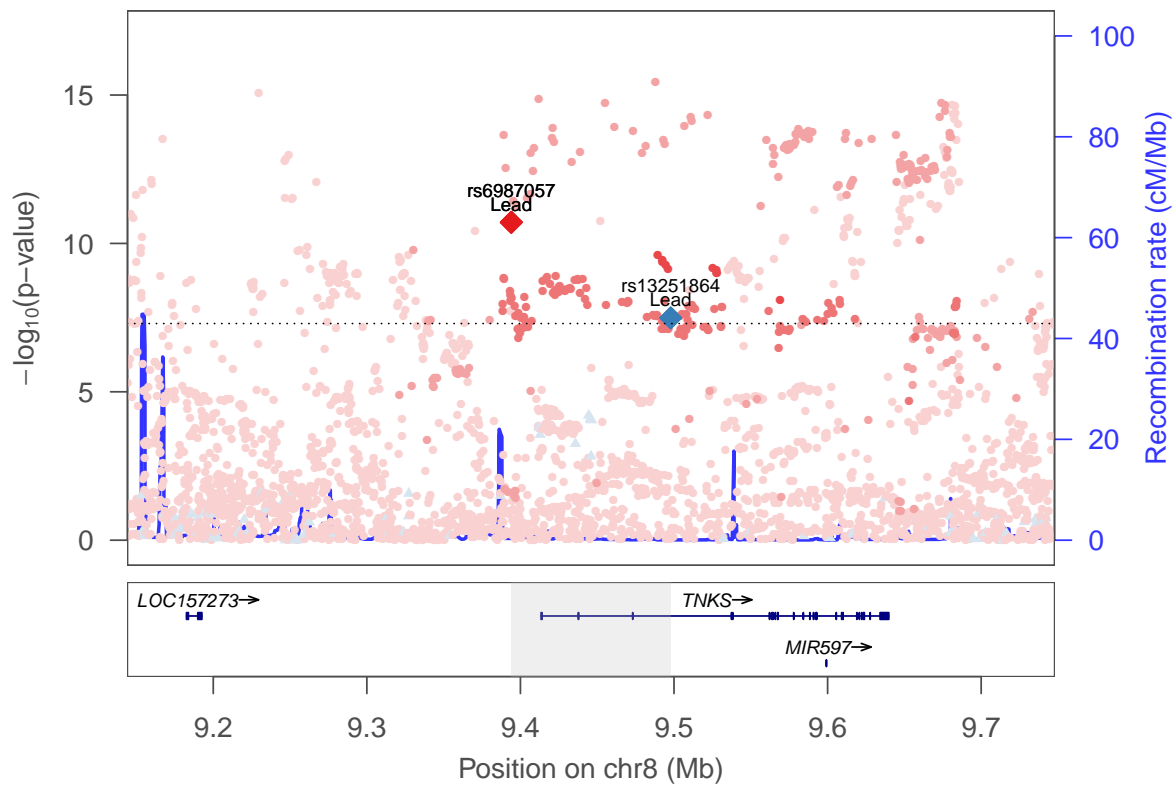
rs2409095 ▾
 rs7003528 ■
 rs56738524 ▲
 rs13273716 ●



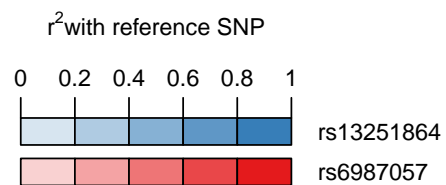
General risk tolerance: locus 61 [chr 8:9.141–9.141Mb]



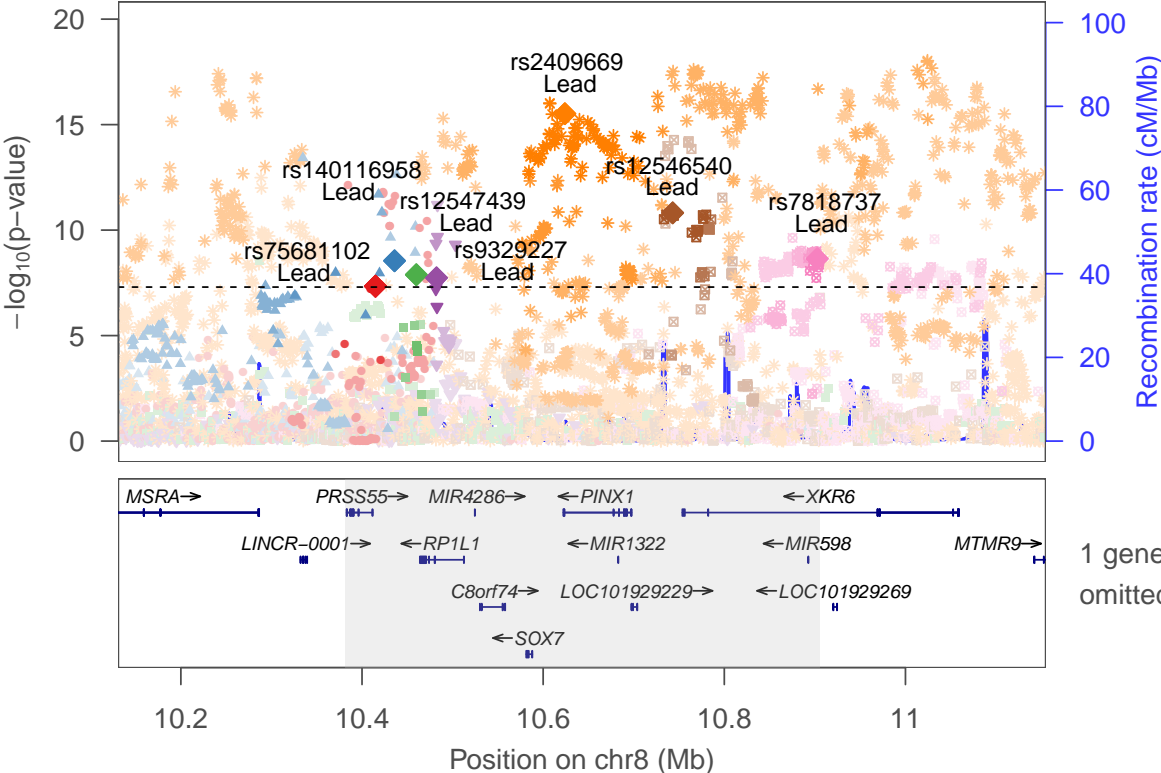
General risk tolerance: Locus 62 [chr 8: 9.394–9.498Mb]



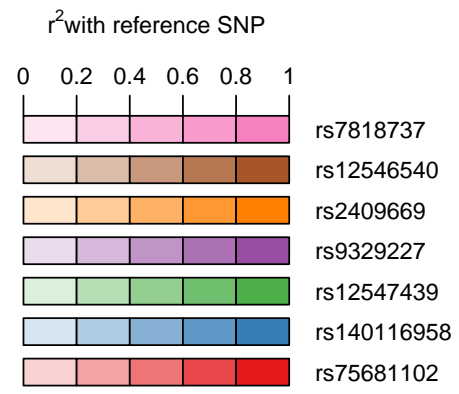
rs13251864 ▲
rs6987057 ●



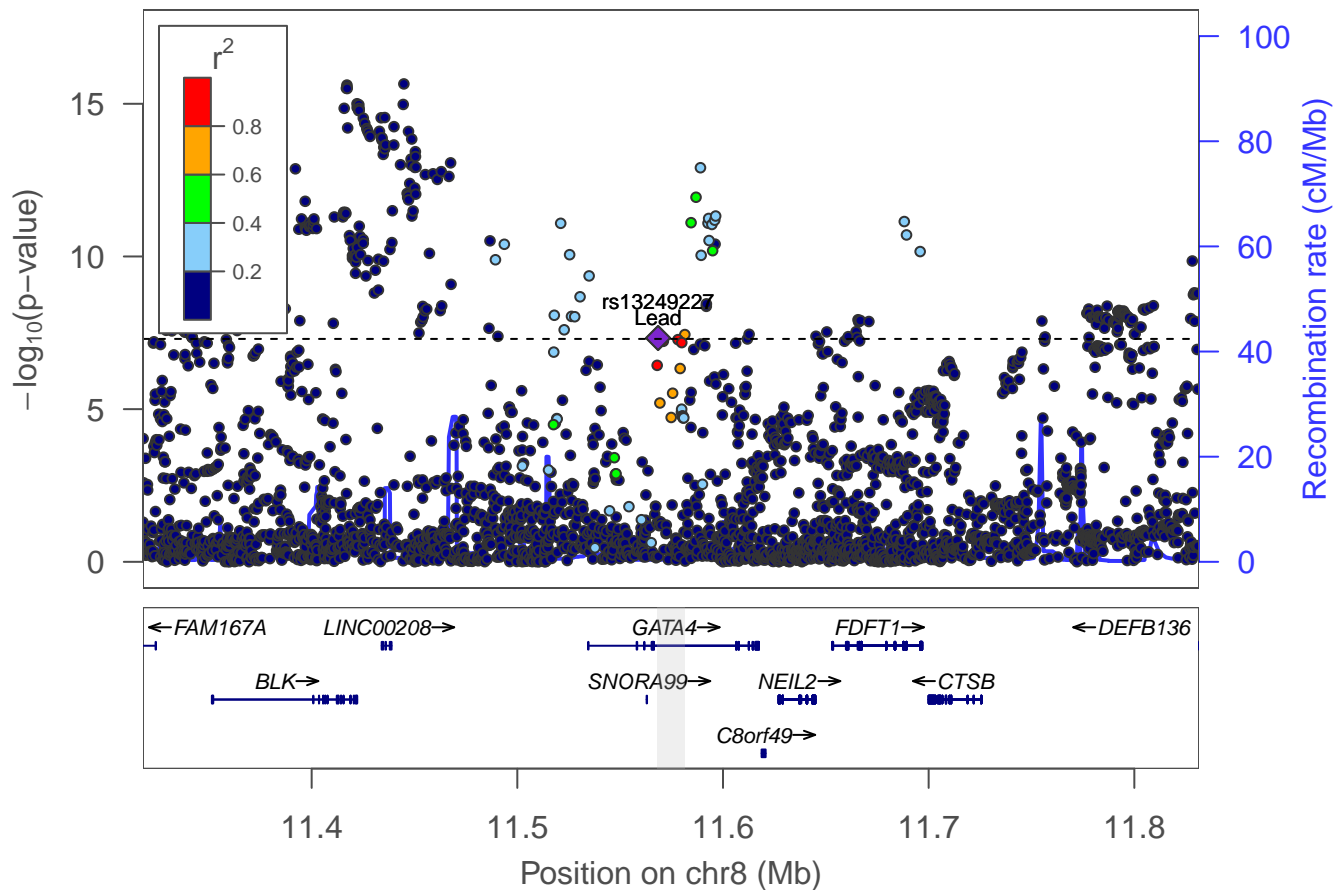
General risk tolerance: Locus 63 [chr 8: 10.381–10.905Mb]



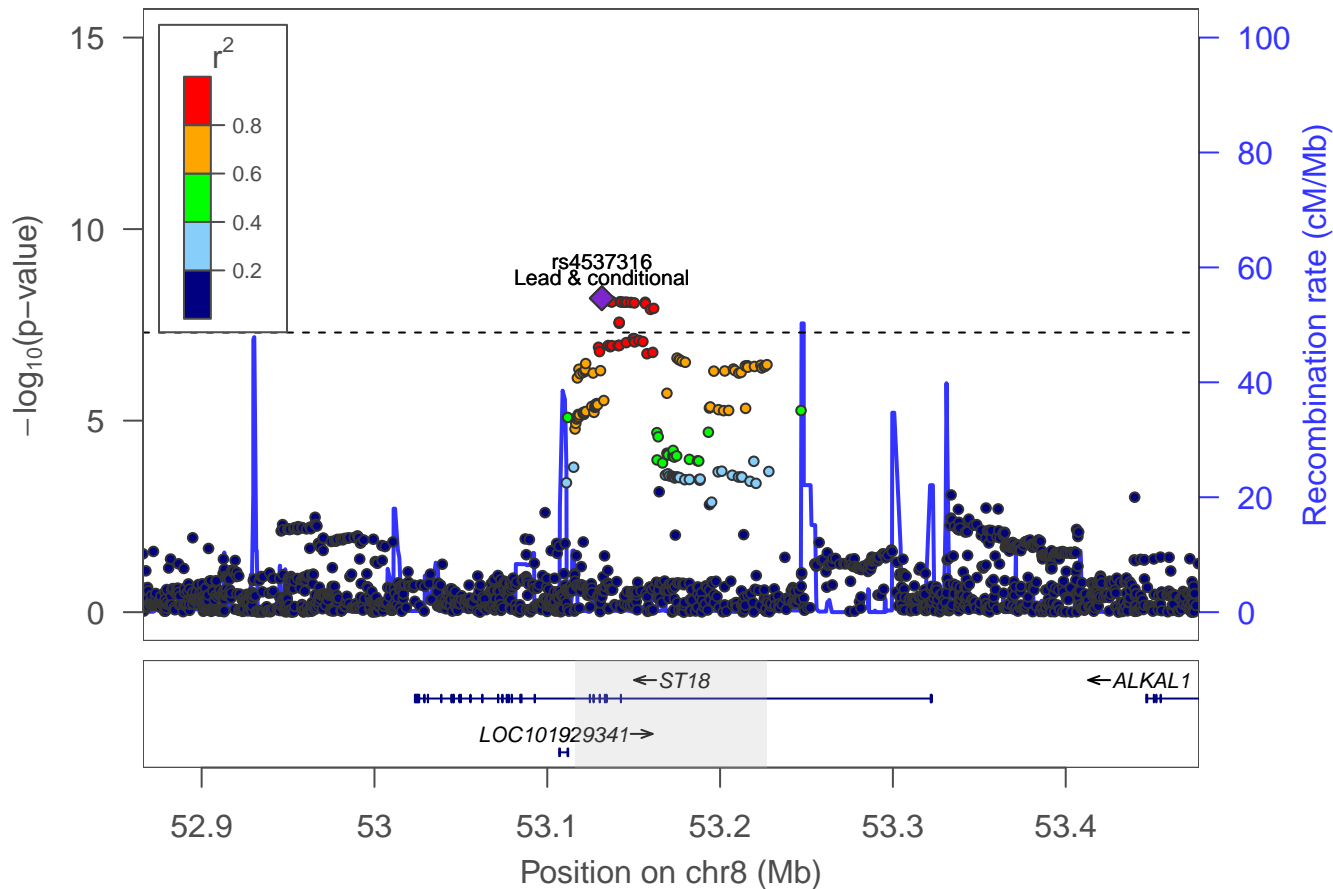
- rs7818737 ⊠
- rs12546540 ⊠
- rs2409669 ✱
- rs9329227 ▼
- rs12547439 ■
- rs140116958 ▲
- rs75681102 ●



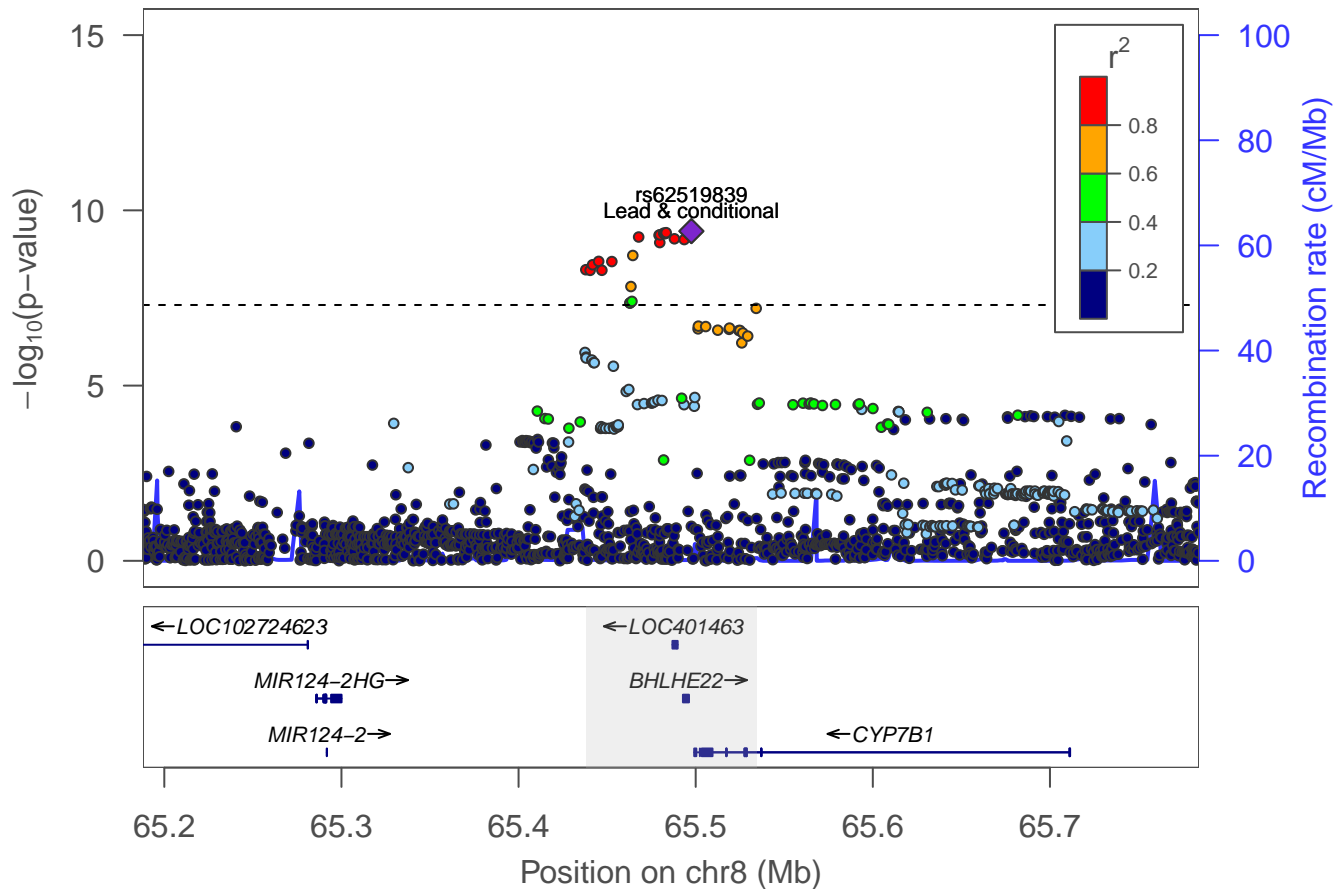
General risk tolerance: locus 64 [chr 8:11.568–11.581Mb]



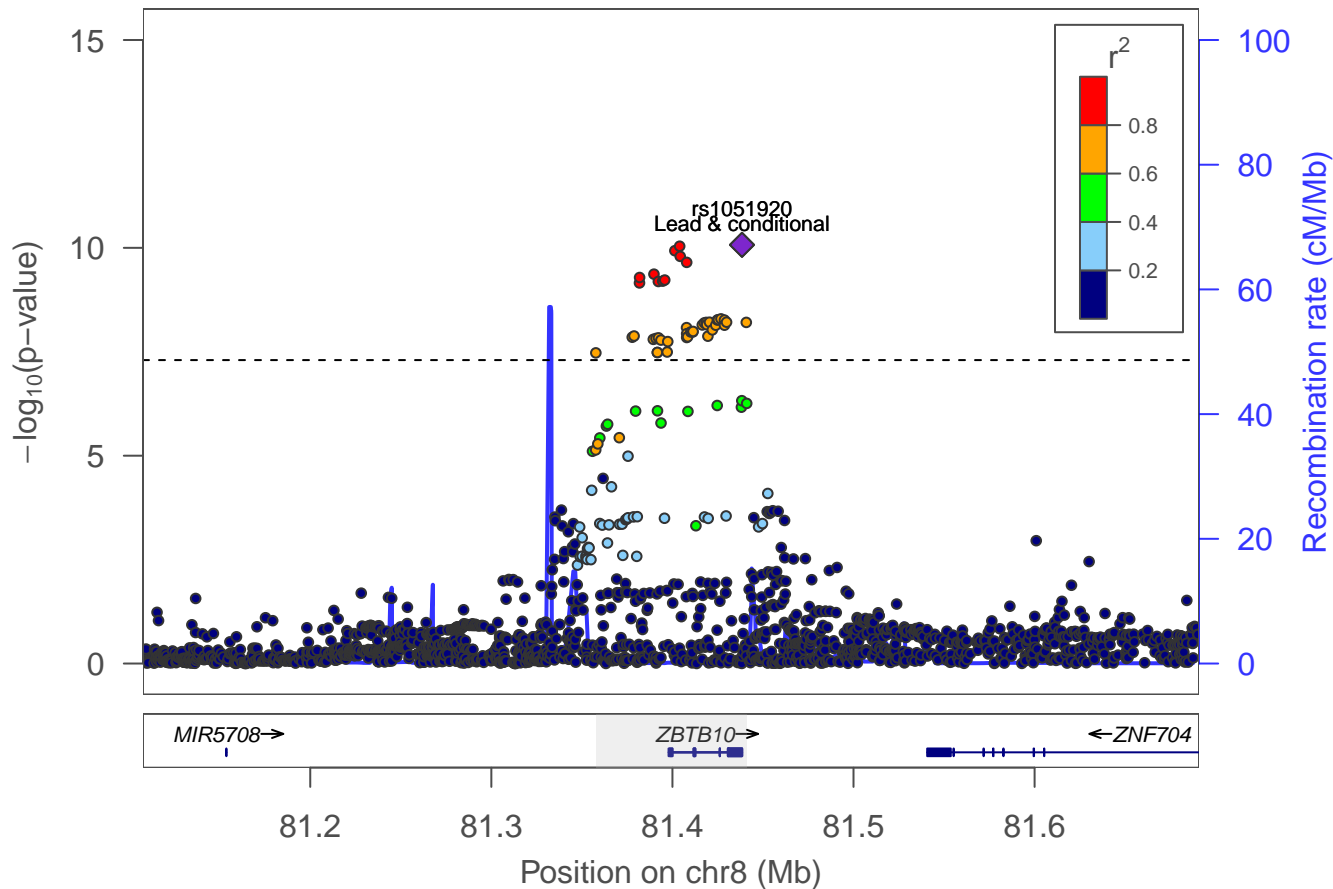
General risk tolerance: locus 65 [chr 8:53.116–53.227Mb]



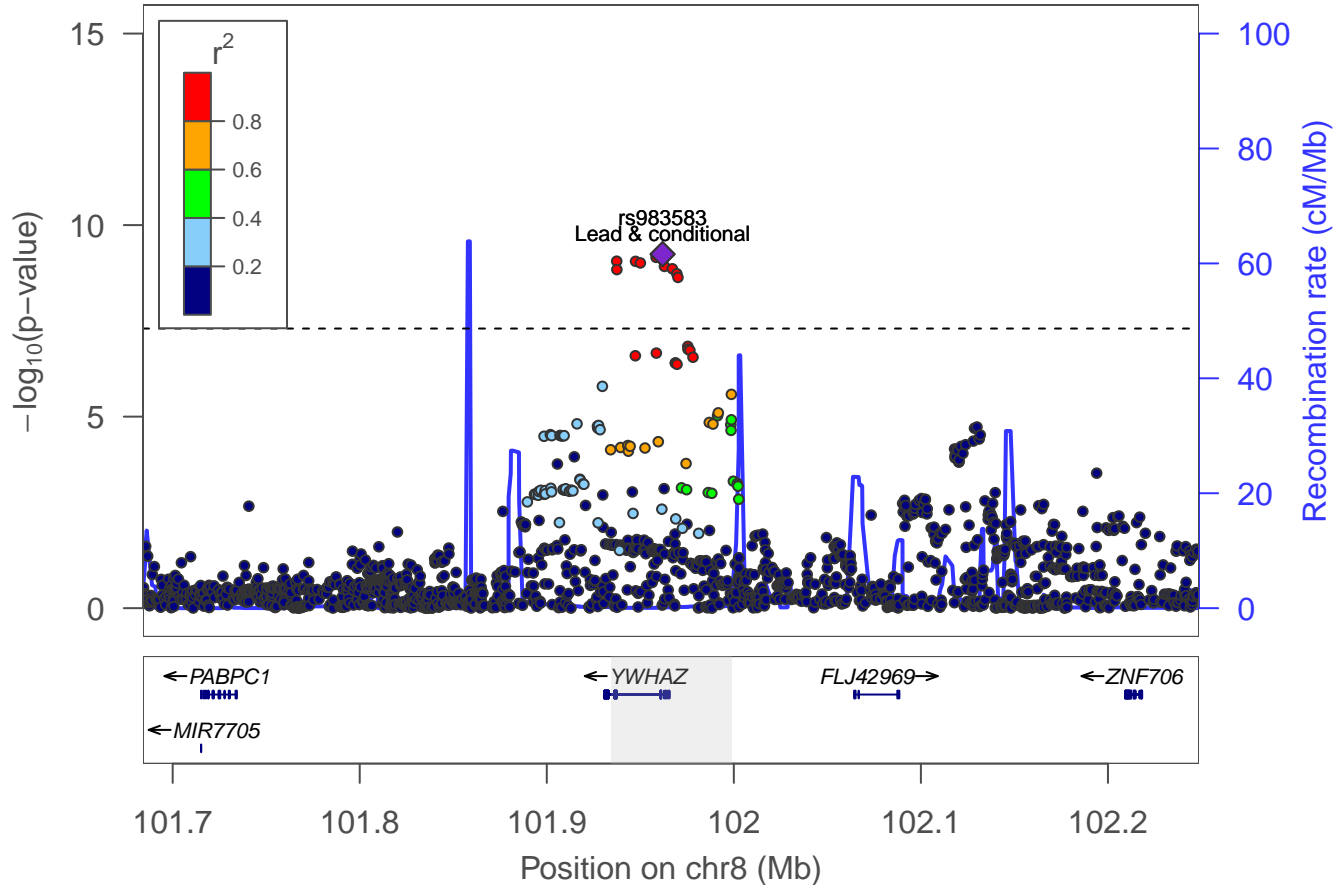
General risk tolerance: locus 66 [chr 8:65.438–65.534Mb]



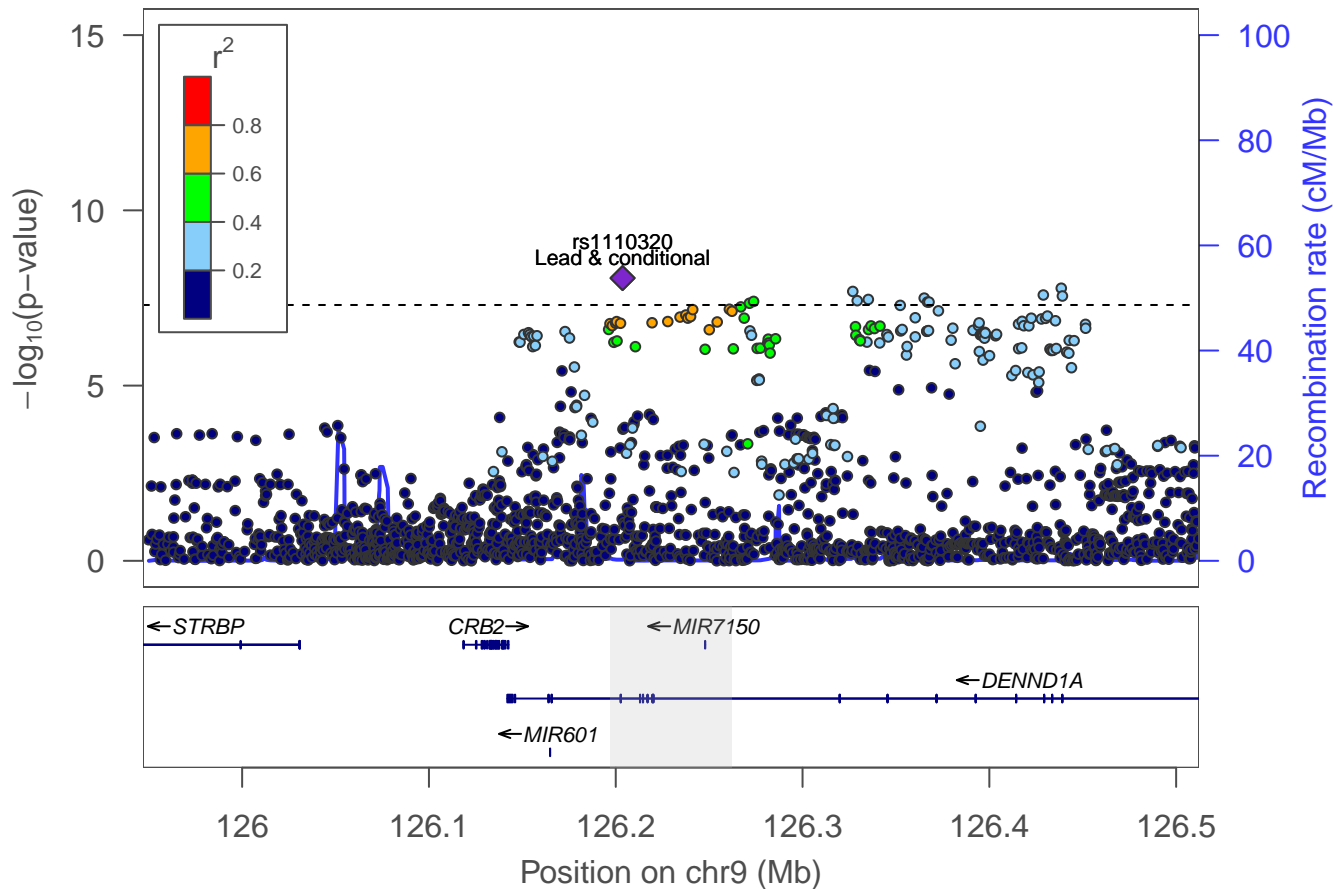
General risk tolerance: locus 67 [chr 8:81.358–81.441Mb]



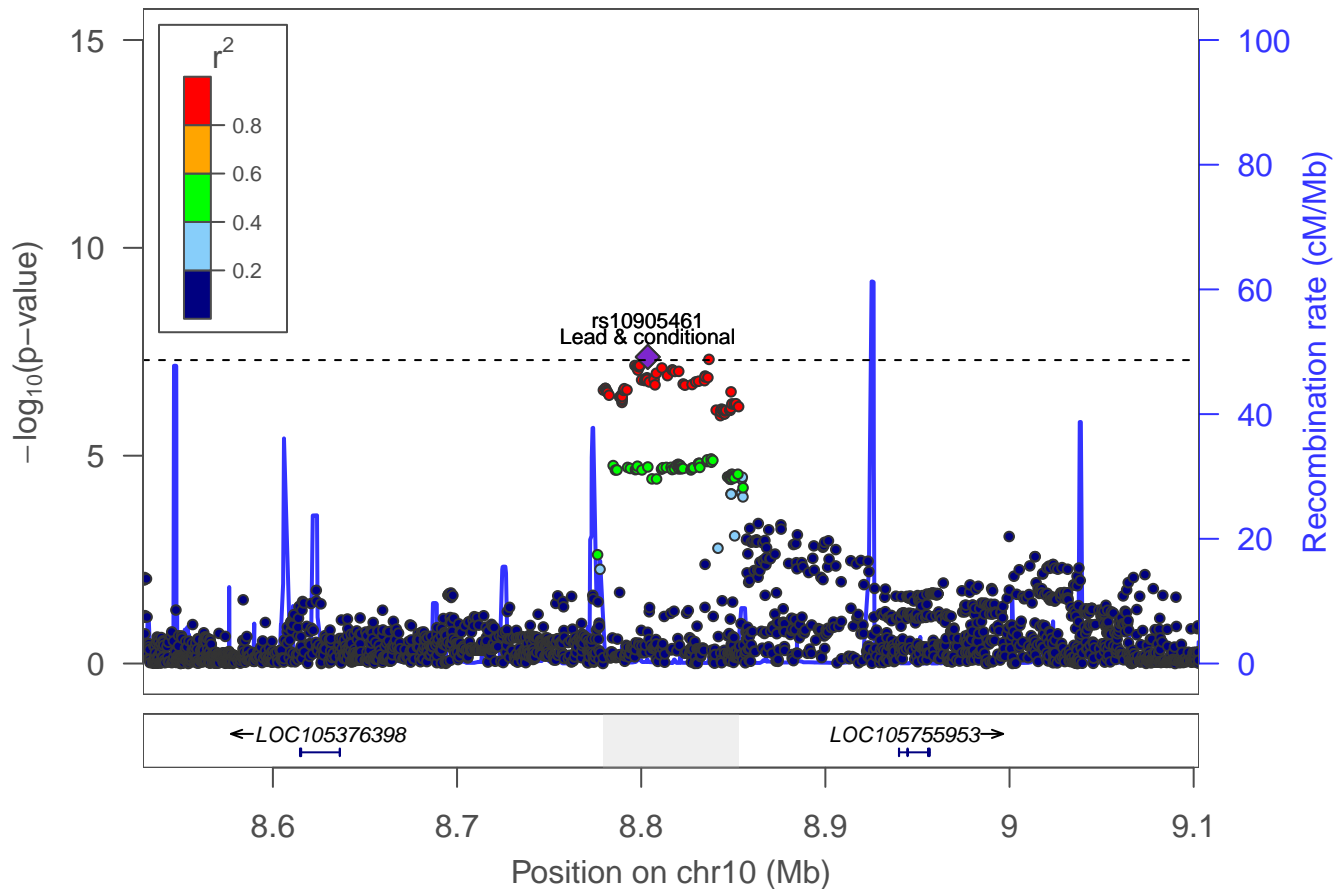
General risk tolerance: locus 68 [chr 8:101.934–101.999Mb]



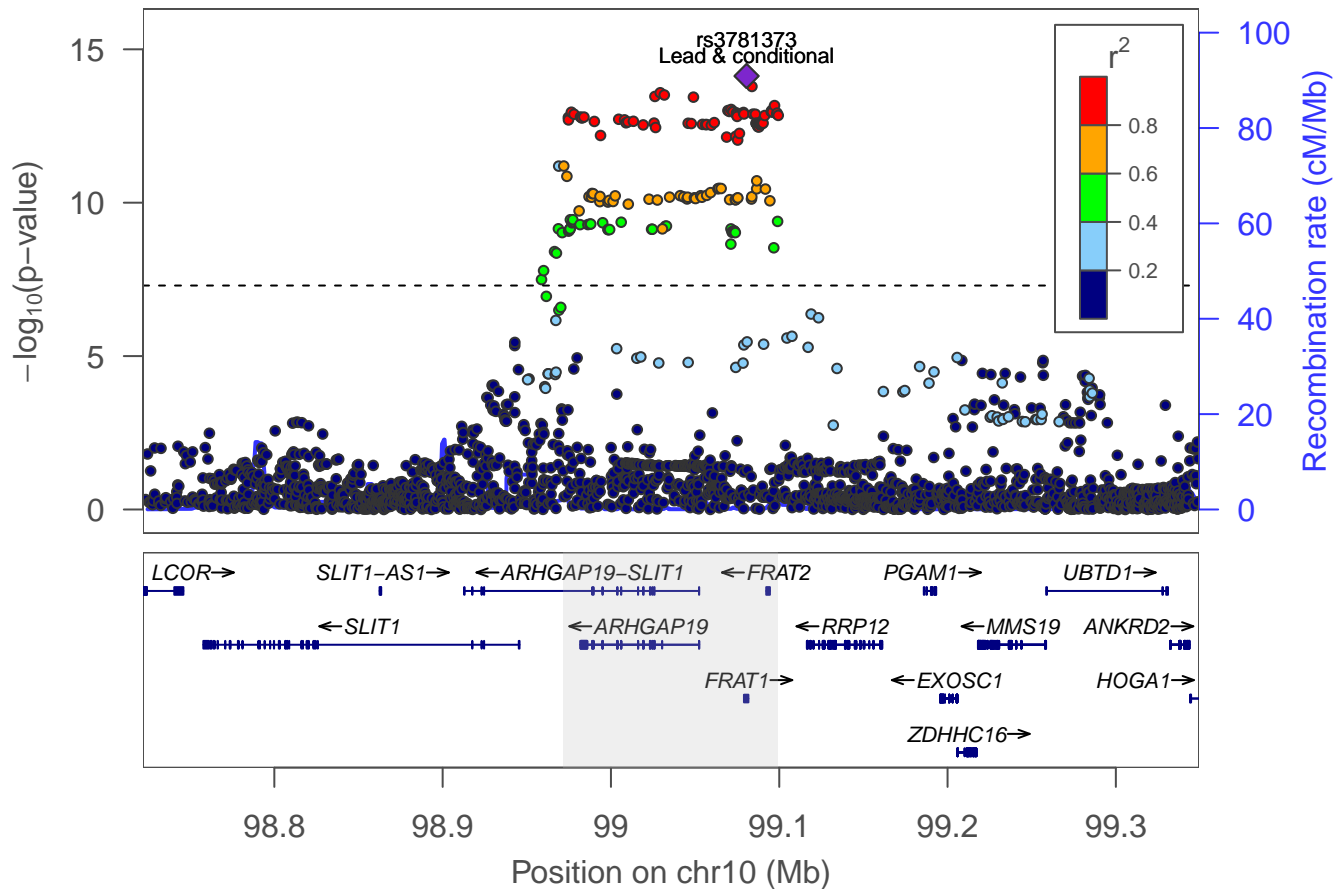
General risk tolerance: locus 69 [chr 9:126.197–126.262Mb]



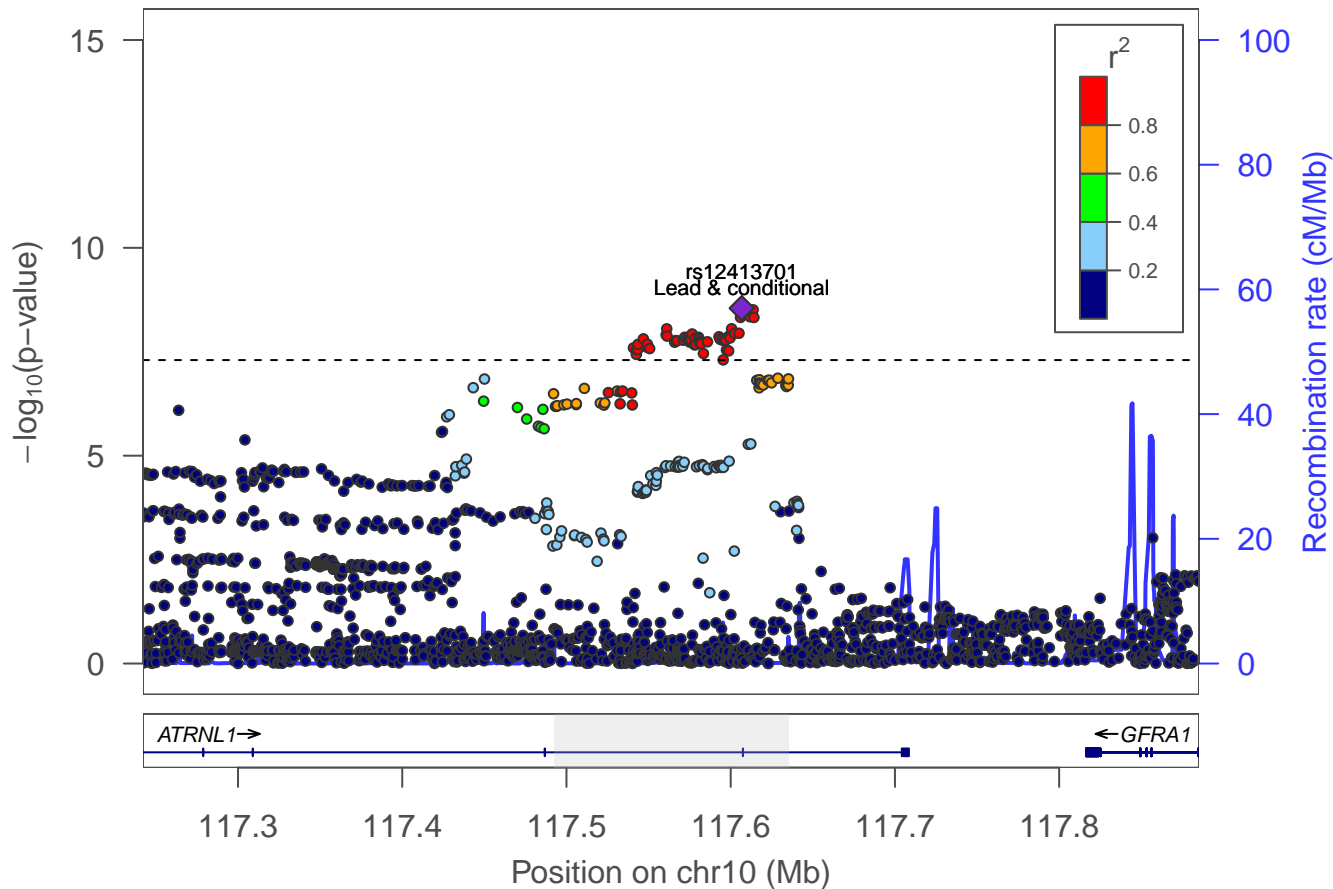
General risk tolerance: locus 70 [chr 10:8.779–8.853Mb]



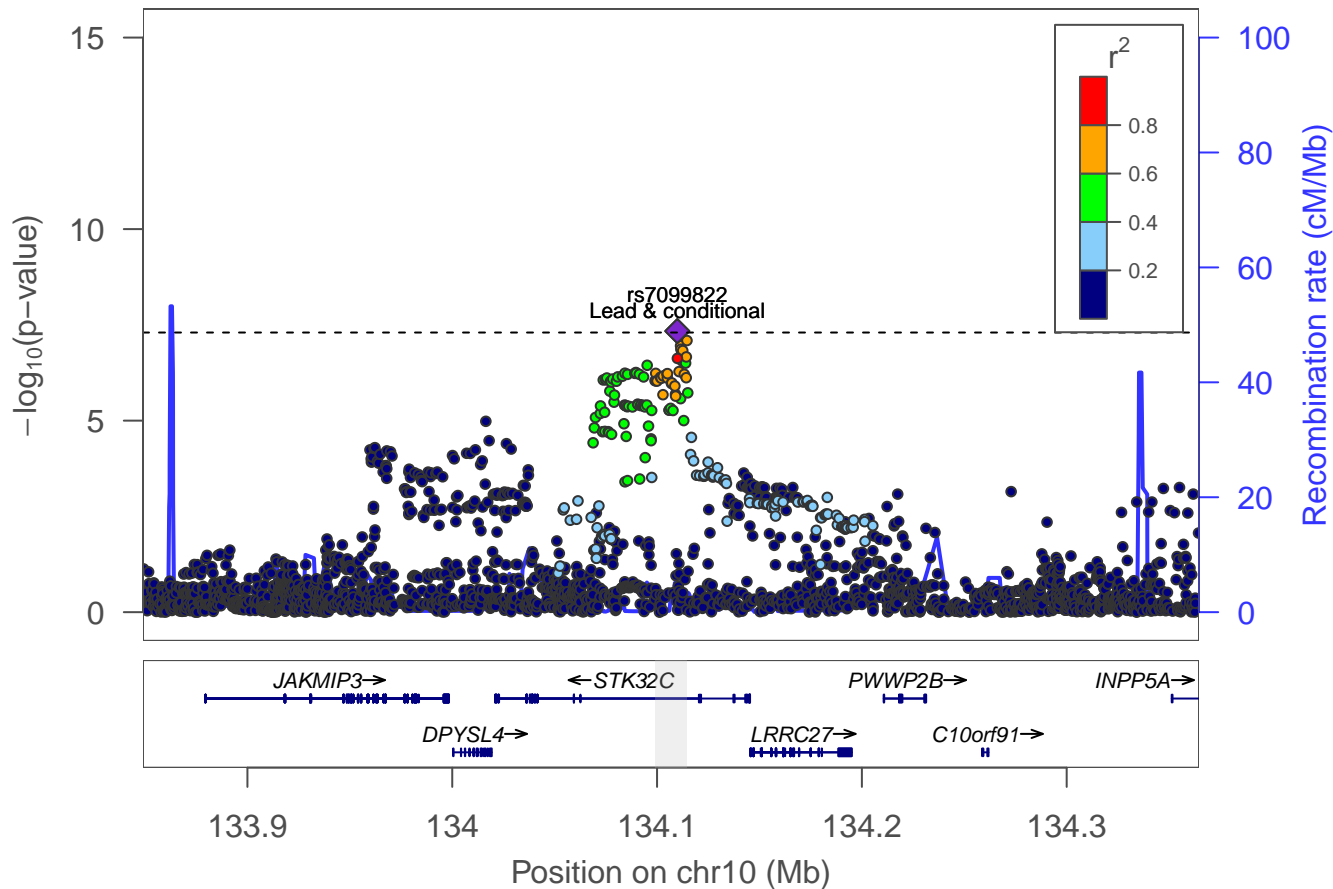
General risk tolerance: locus 71 [chr 10:98.972–99.099Mb]



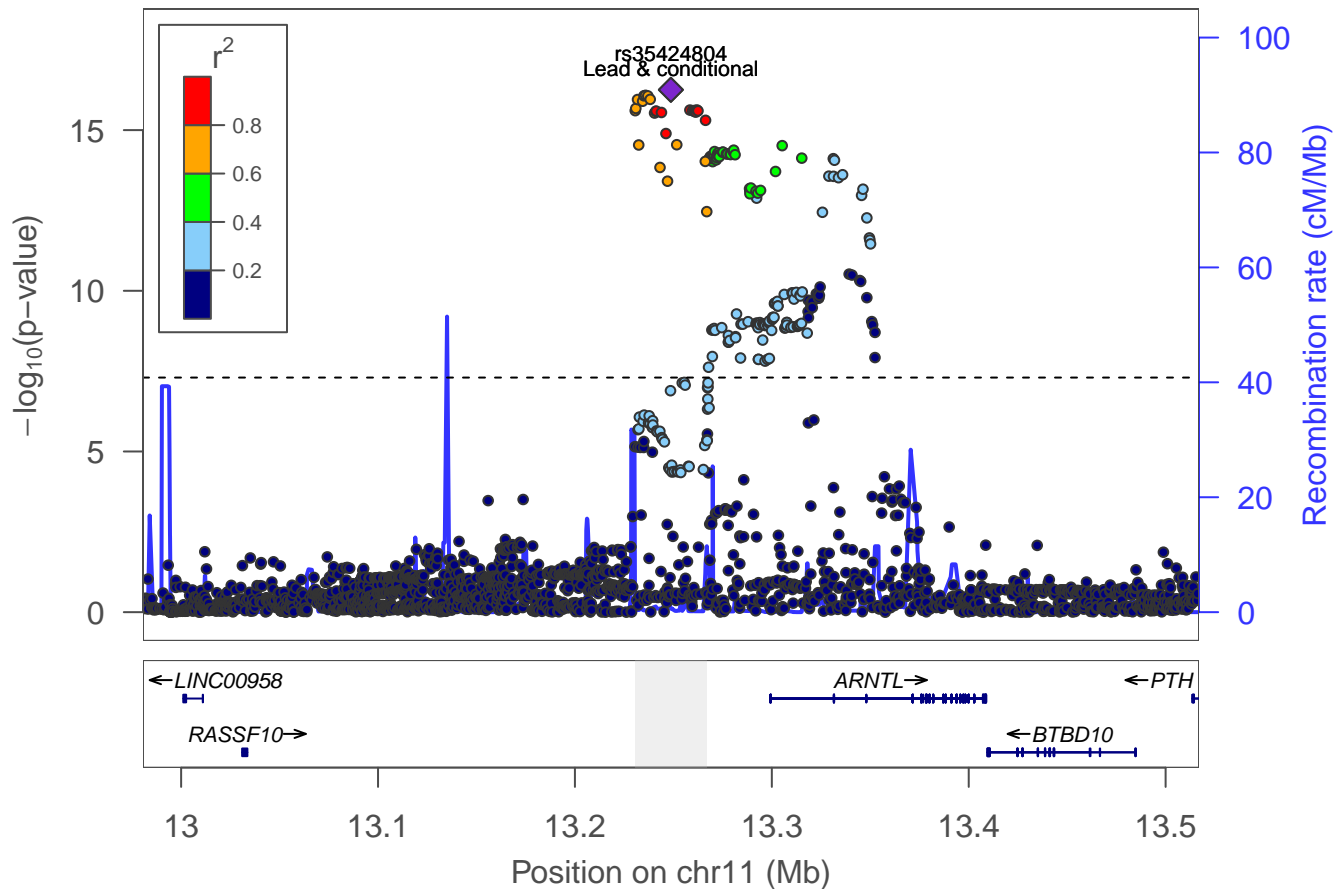
General risk tolerance: locus 72 [chr 10:117.492–117.635Mb]



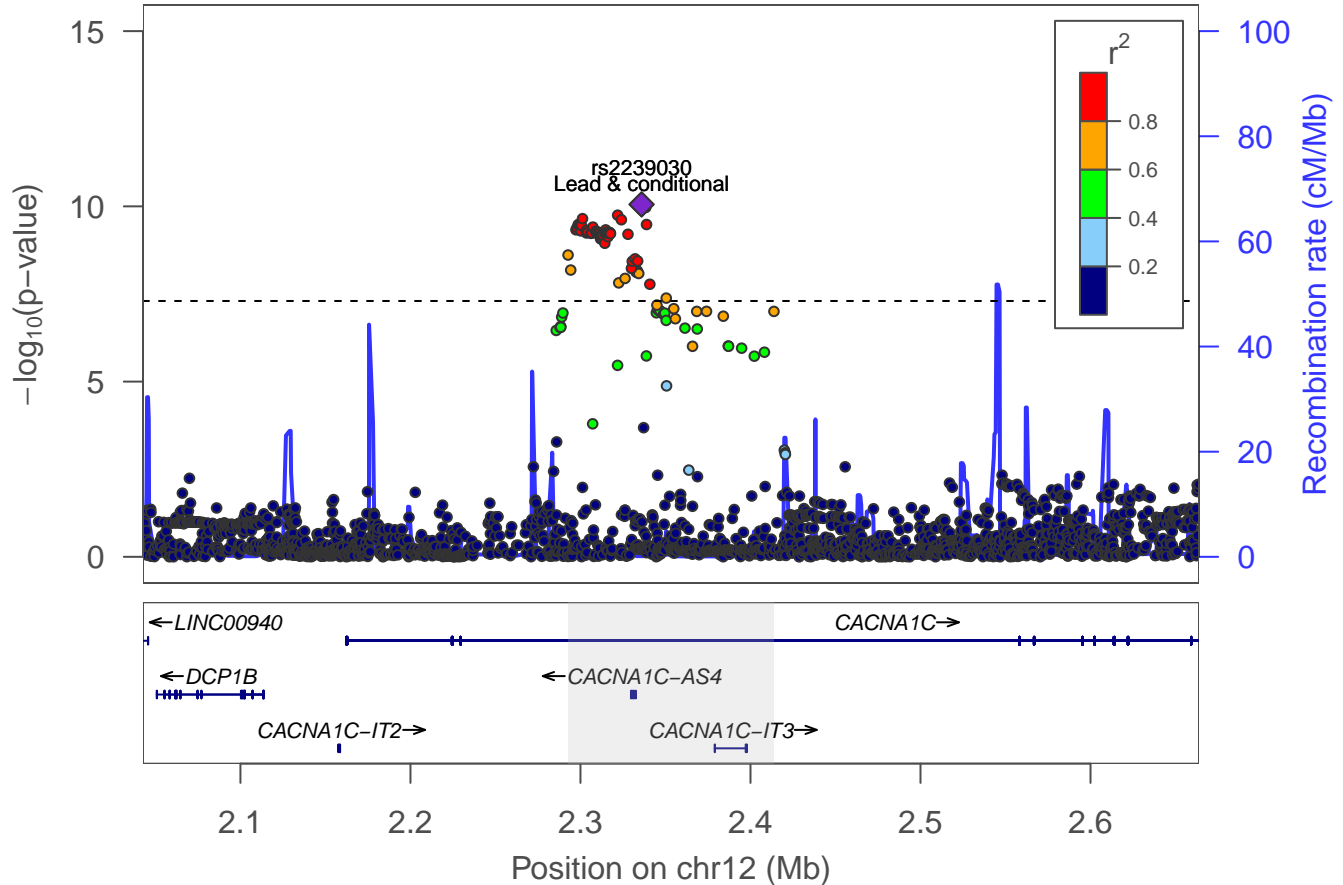
General risk tolerance: locus 73 [chr 10:134.099–134.115Mb]



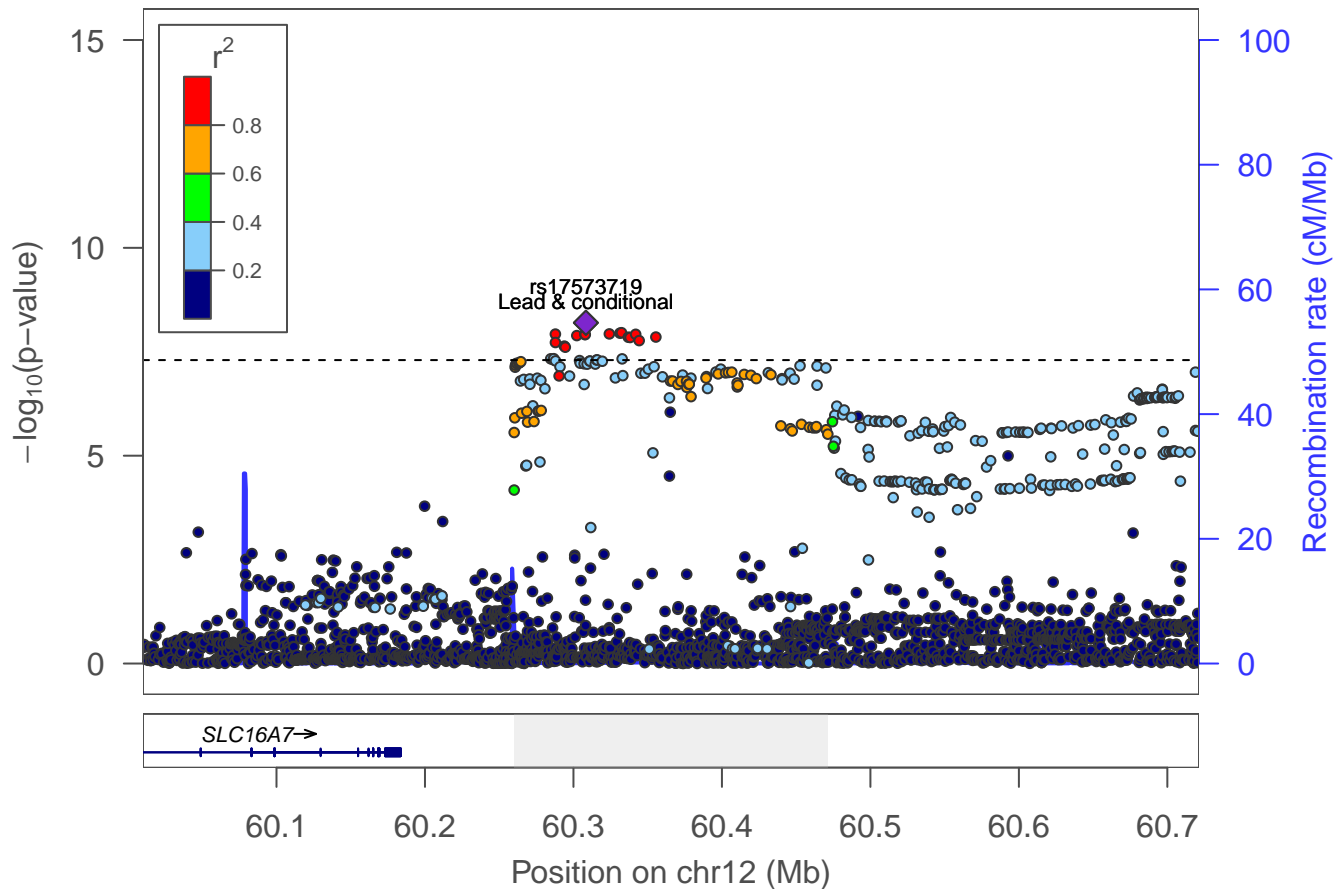
General risk tolerance: locus 74 [chr 11:13.231–13.267Mb]



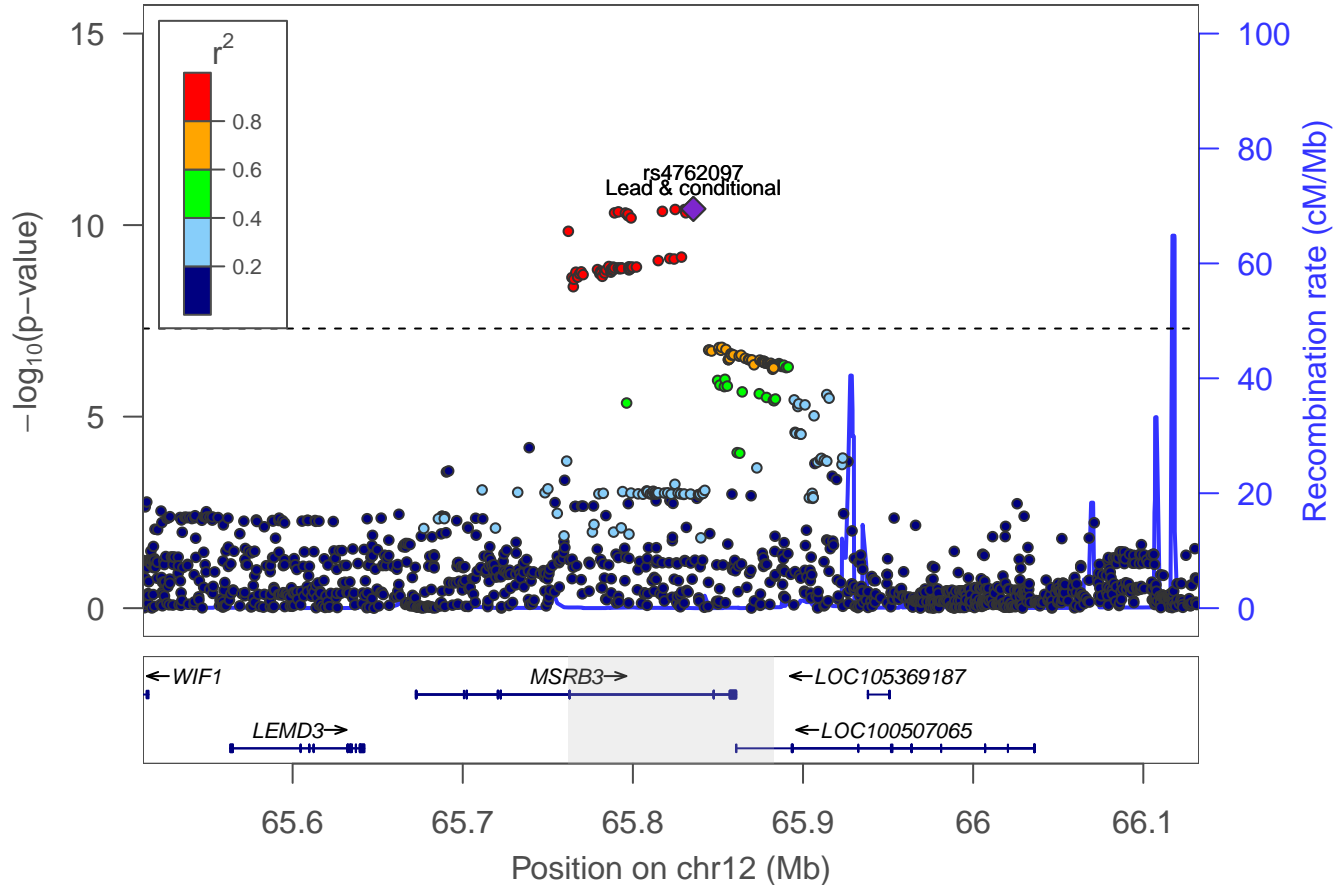
General risk tolerance: locus 75 [chr 12:2.293–2.414Mb]



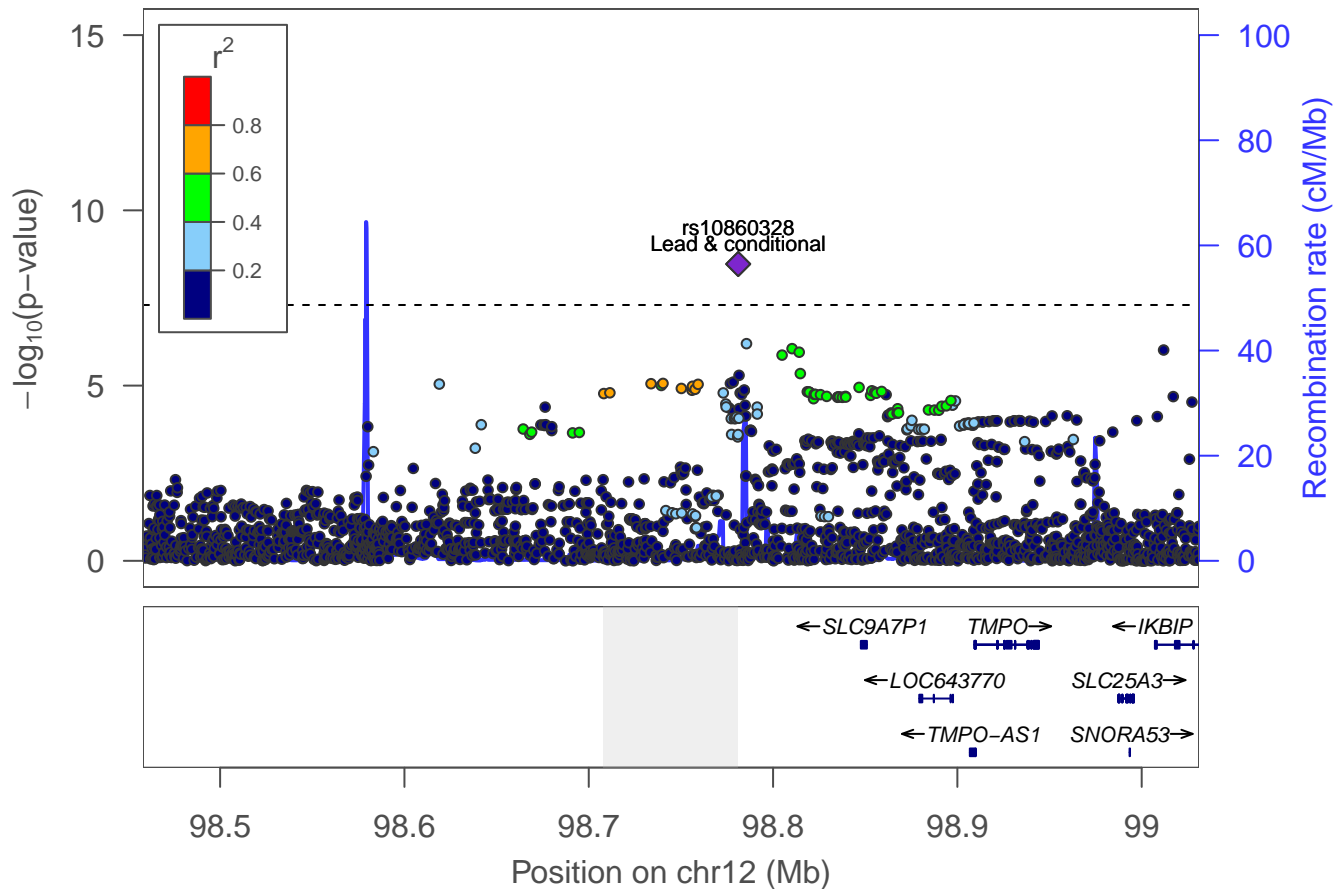
General risk tolerance: locus 76 [chr 12:60.260–60.471Mb]



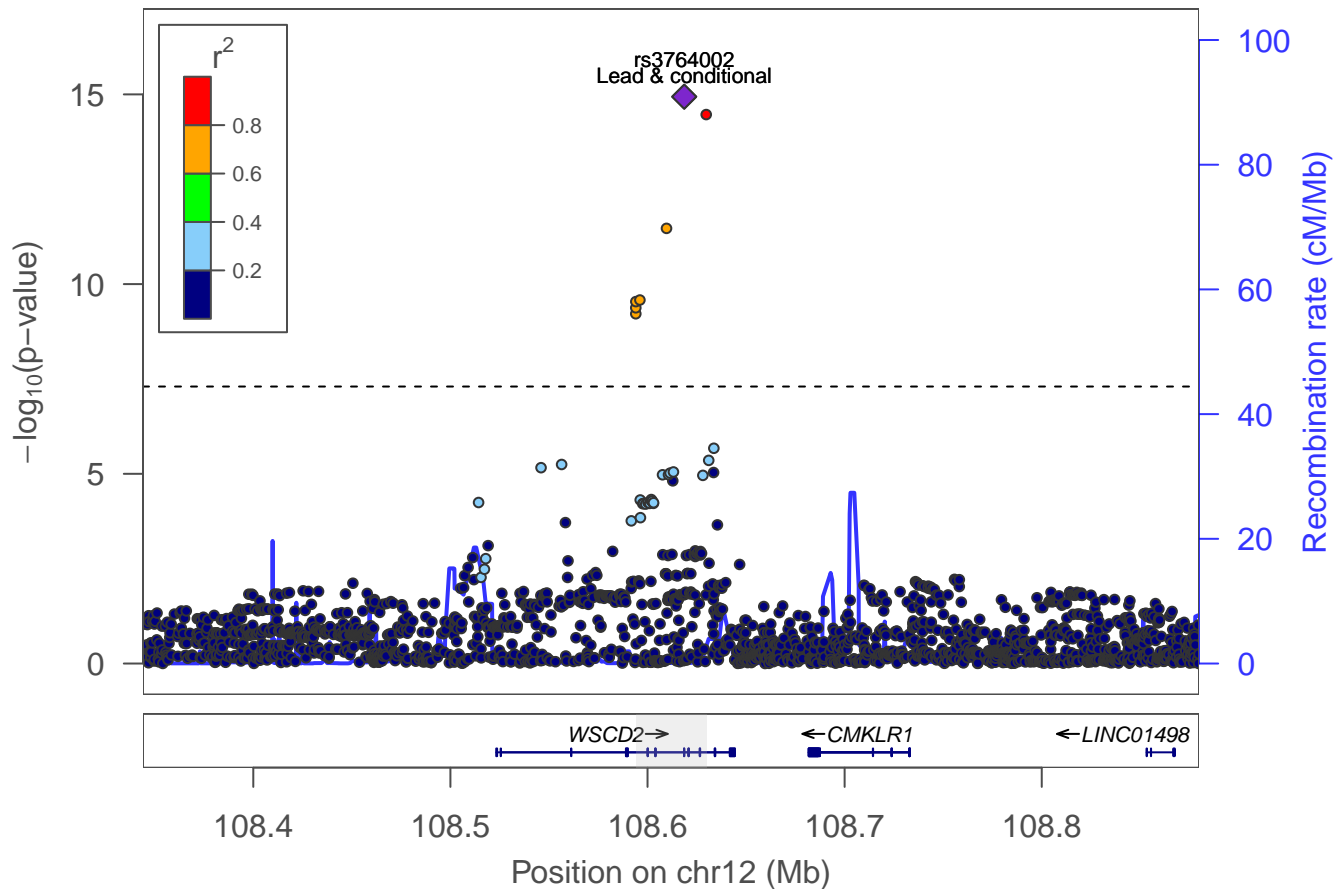
General risk tolerance: locus 77 [chr 12:65.762–65.883Mb]



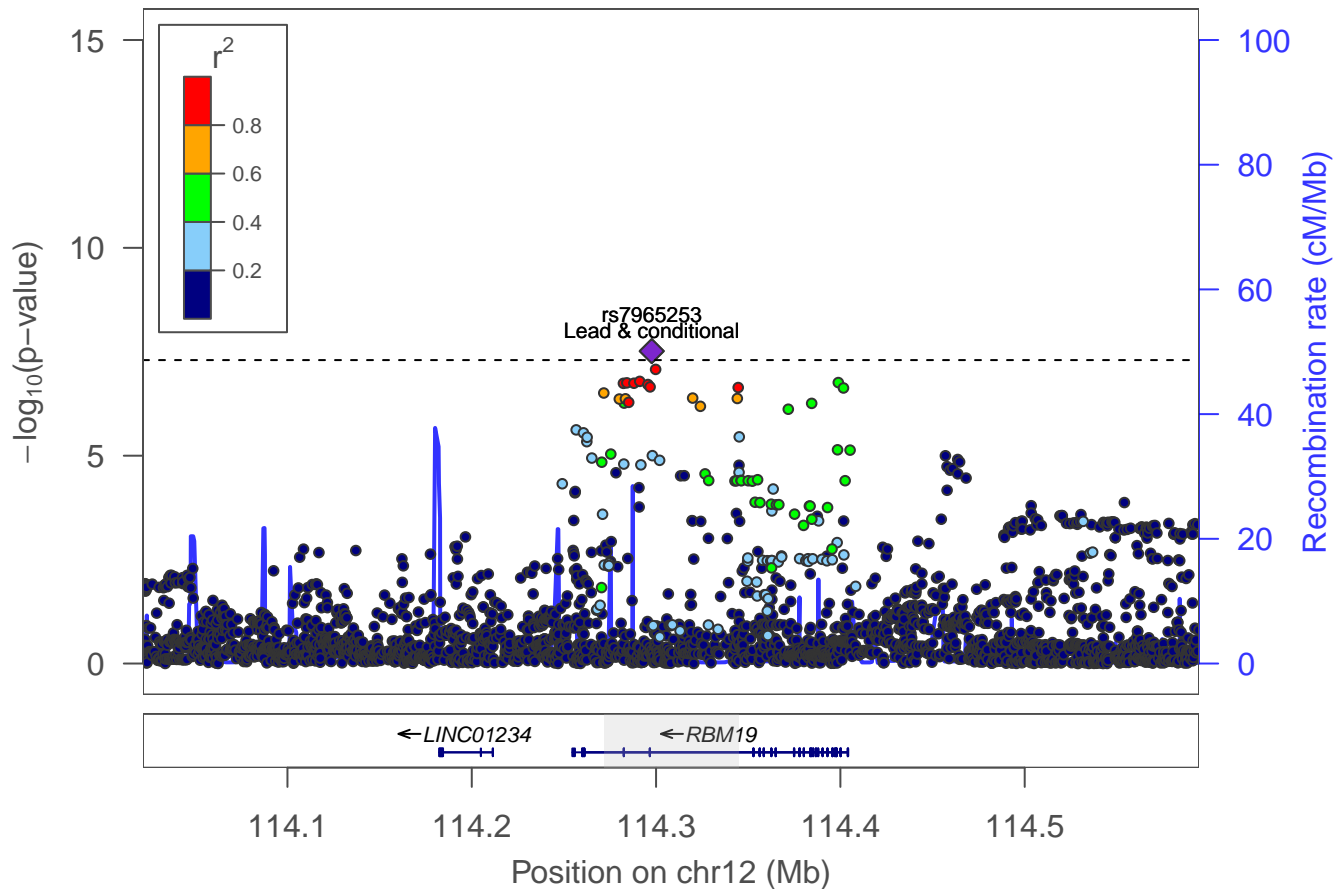
General risk tolerance: locus 78 [chr 12:98.708–98.781Mb]



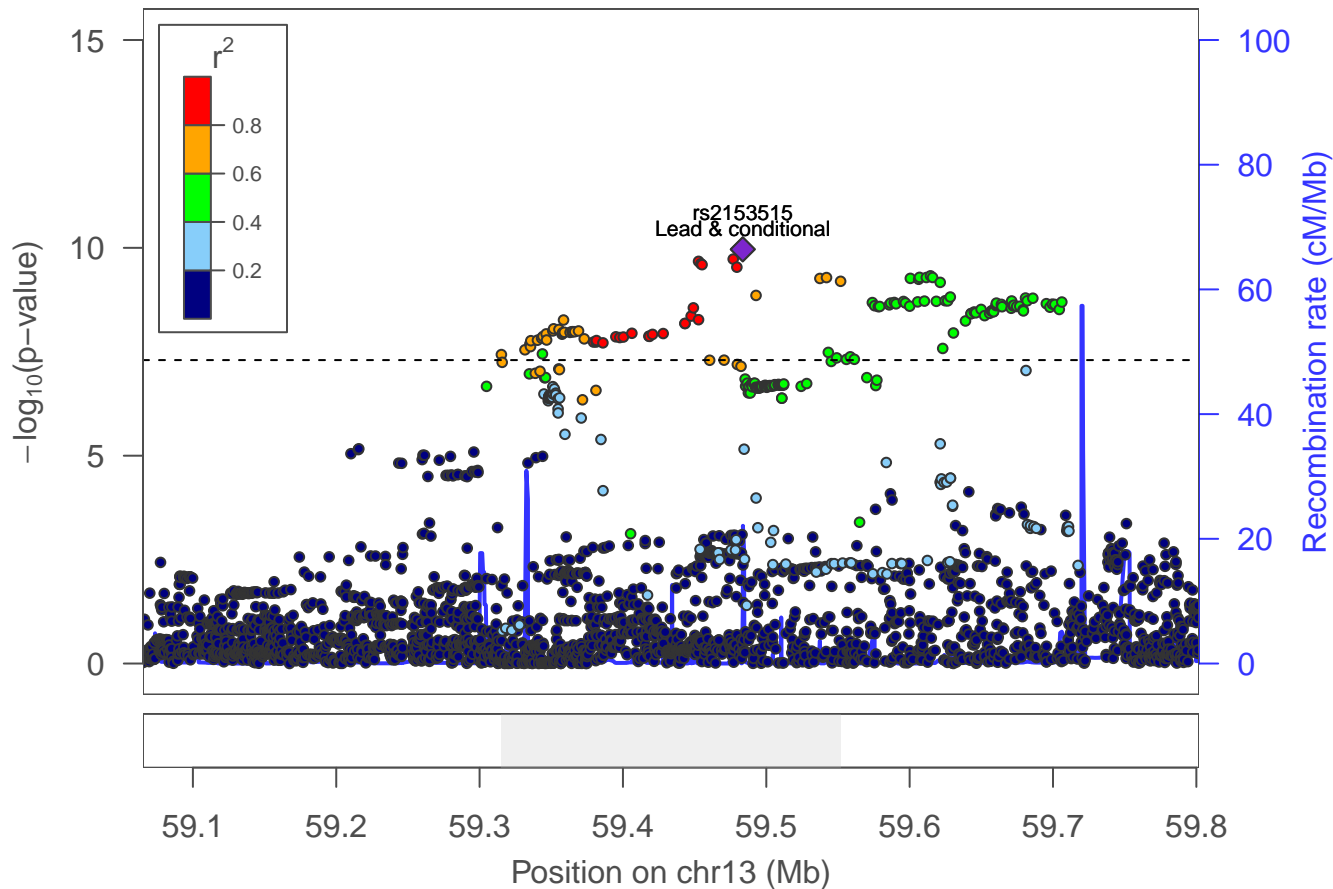
General risk tolerance: locus 79 [chr 12:108.594–108.630Mb]



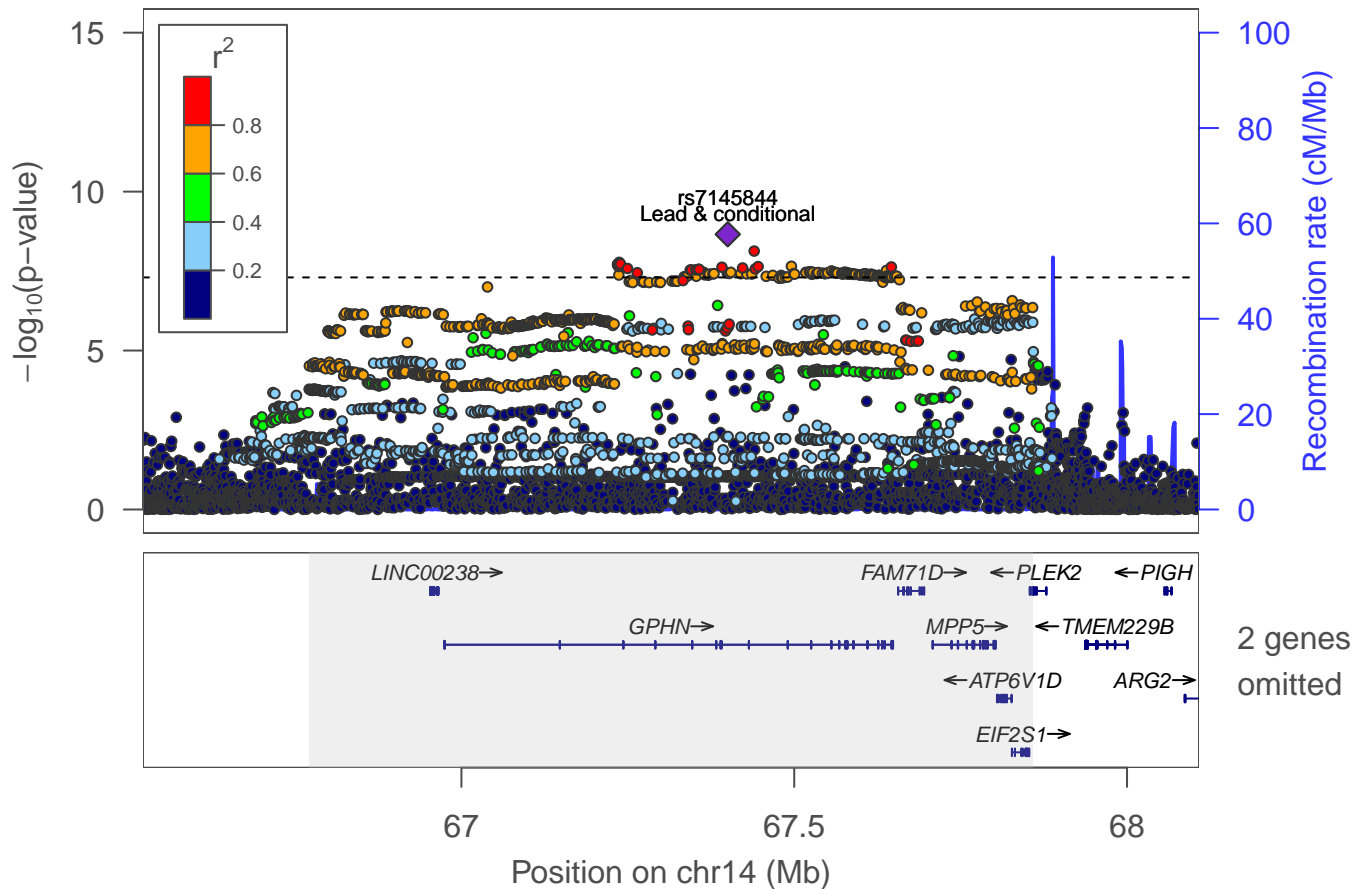
General risk tolerance: locus 80 [chr 12:114.272–114.345Mb]



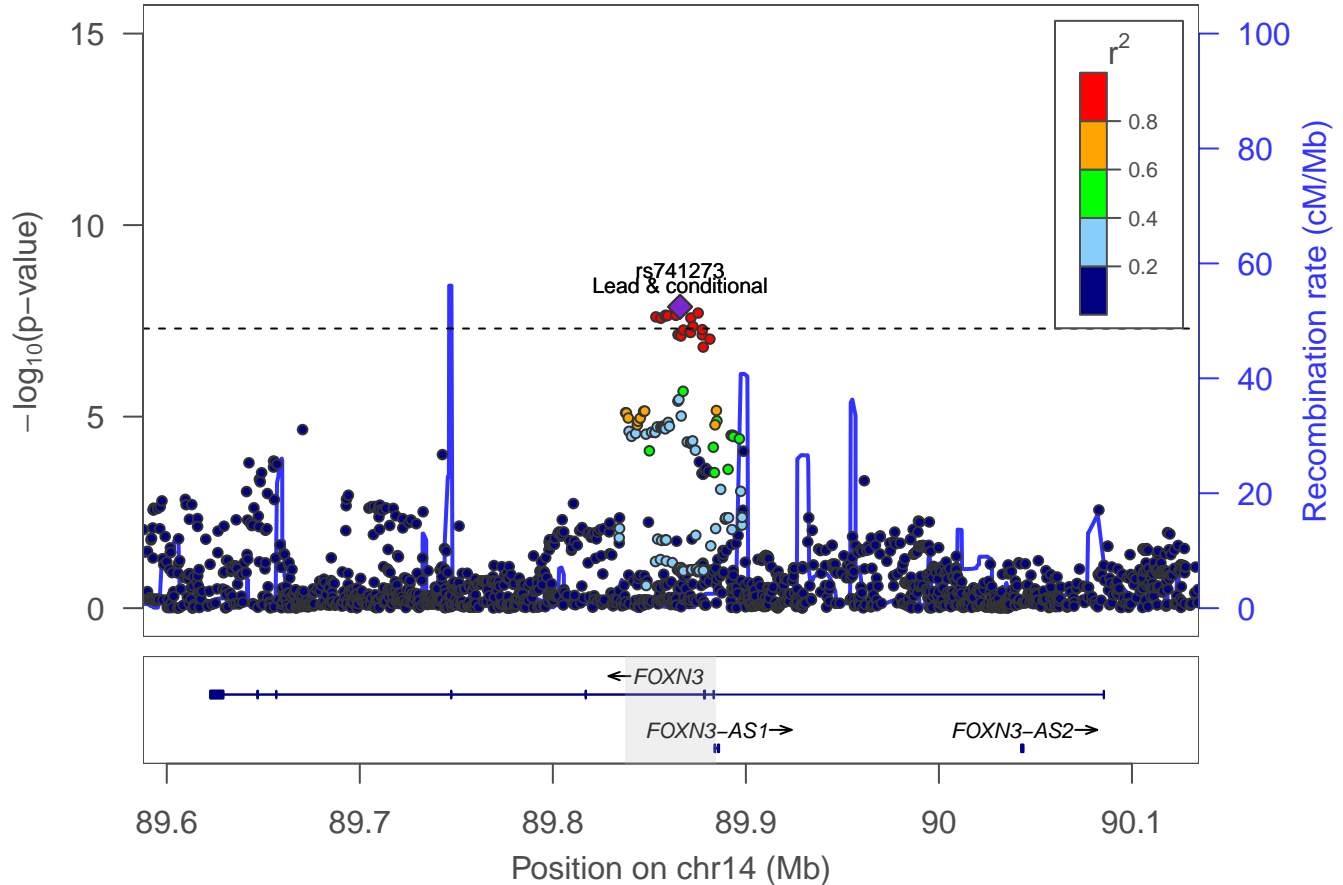
General risk tolerance: locus 81 [chr 13:59.315–59.552Mb]



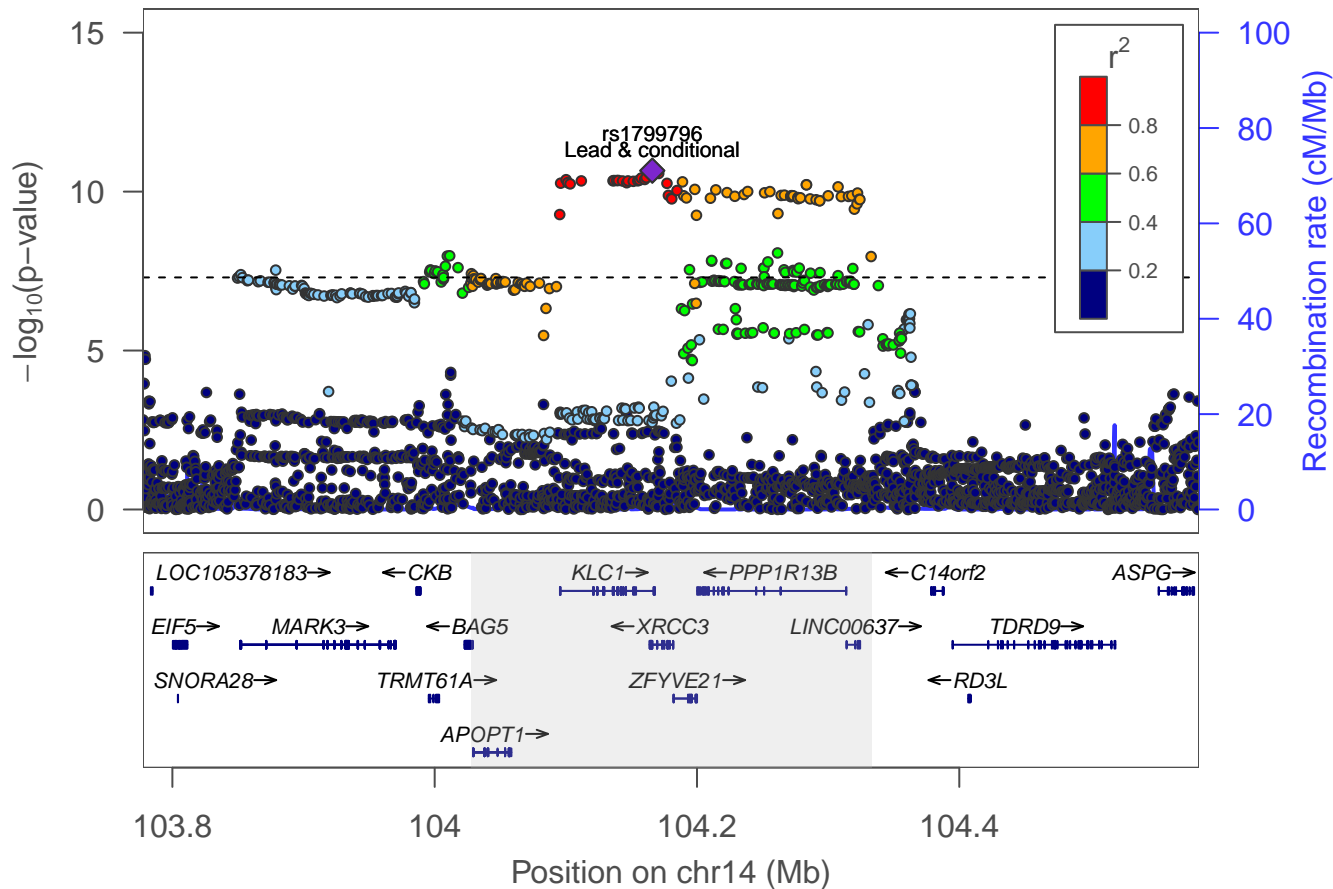
General risk tolerance: locus 82 [chr 14:66.772–67.858Mb]



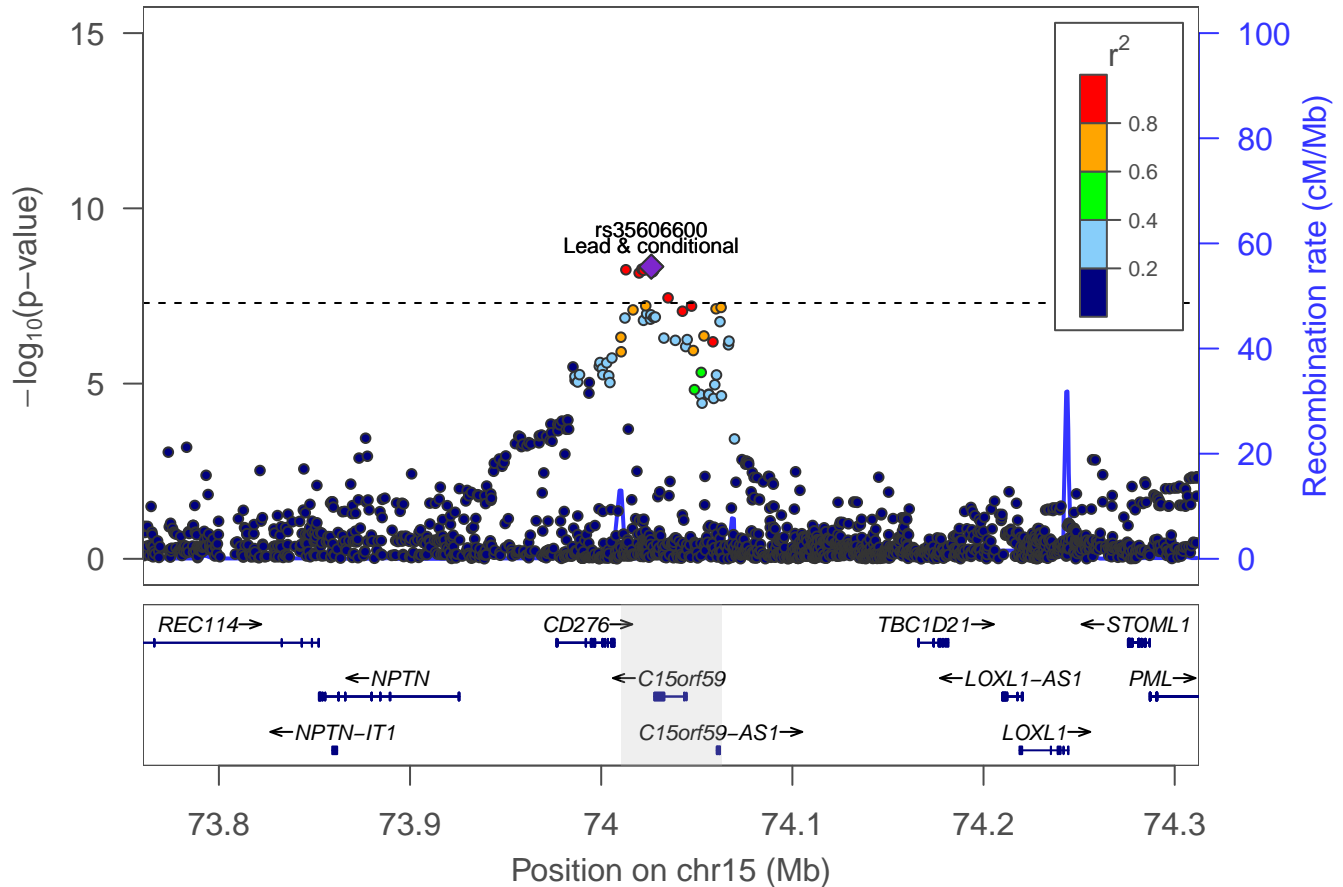
General risk tolerance: locus 83 [chr 14:89.838–89.885Mb]



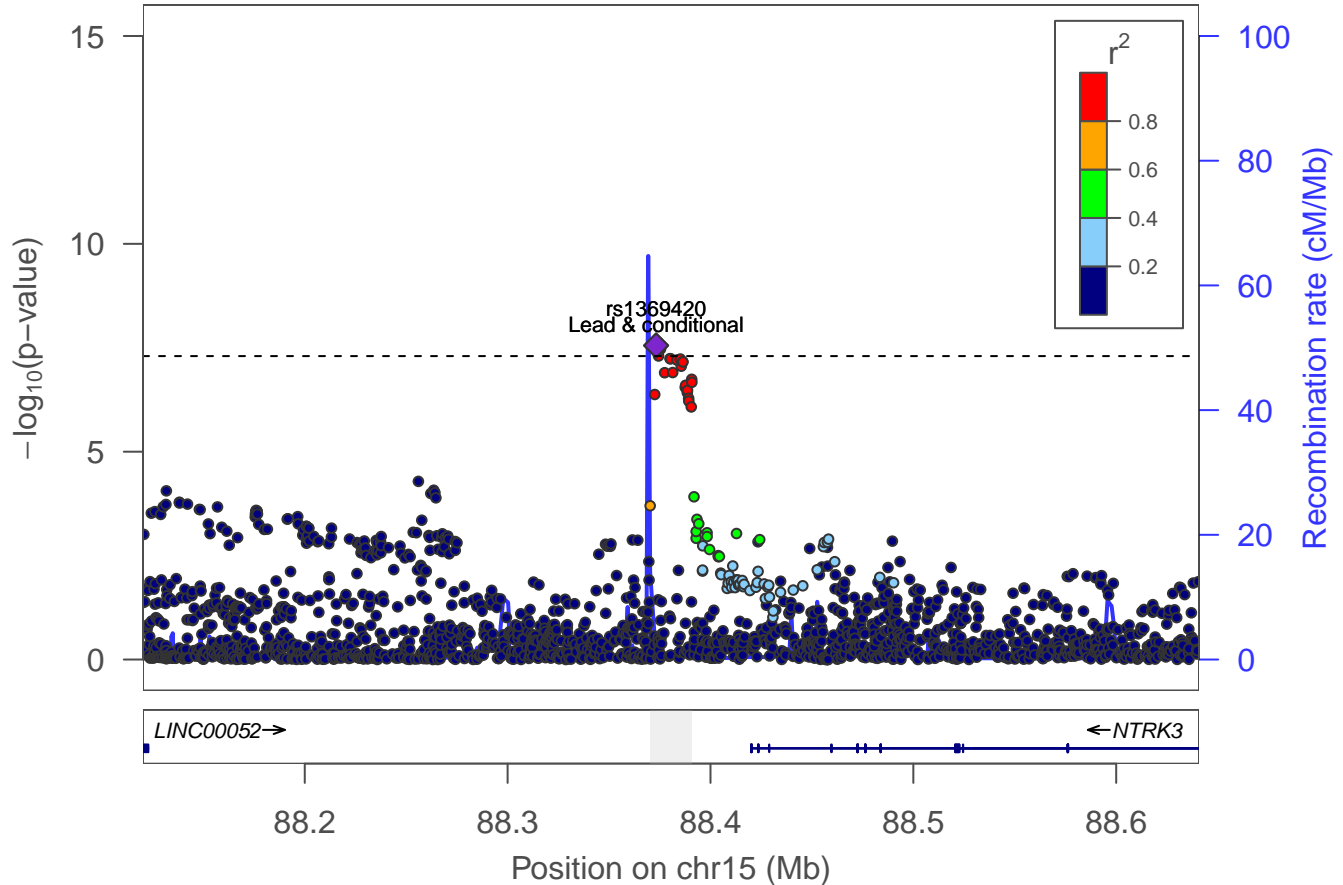
General risk tolerance: locus 84 [chr 14:104.028–104.333Mb]



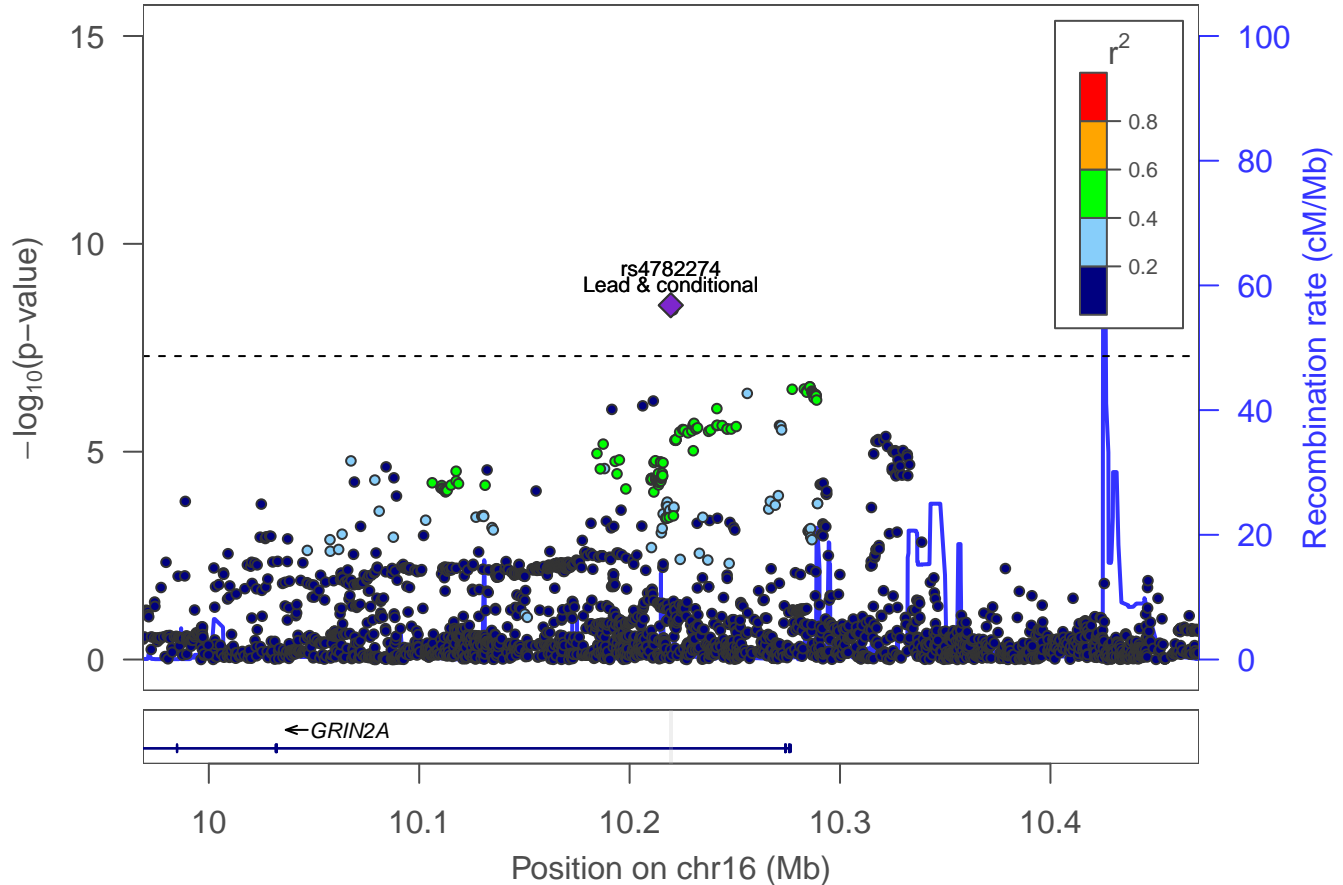
General risk tolerance: locus 85 [chr 15:74.010–74.063Mb]



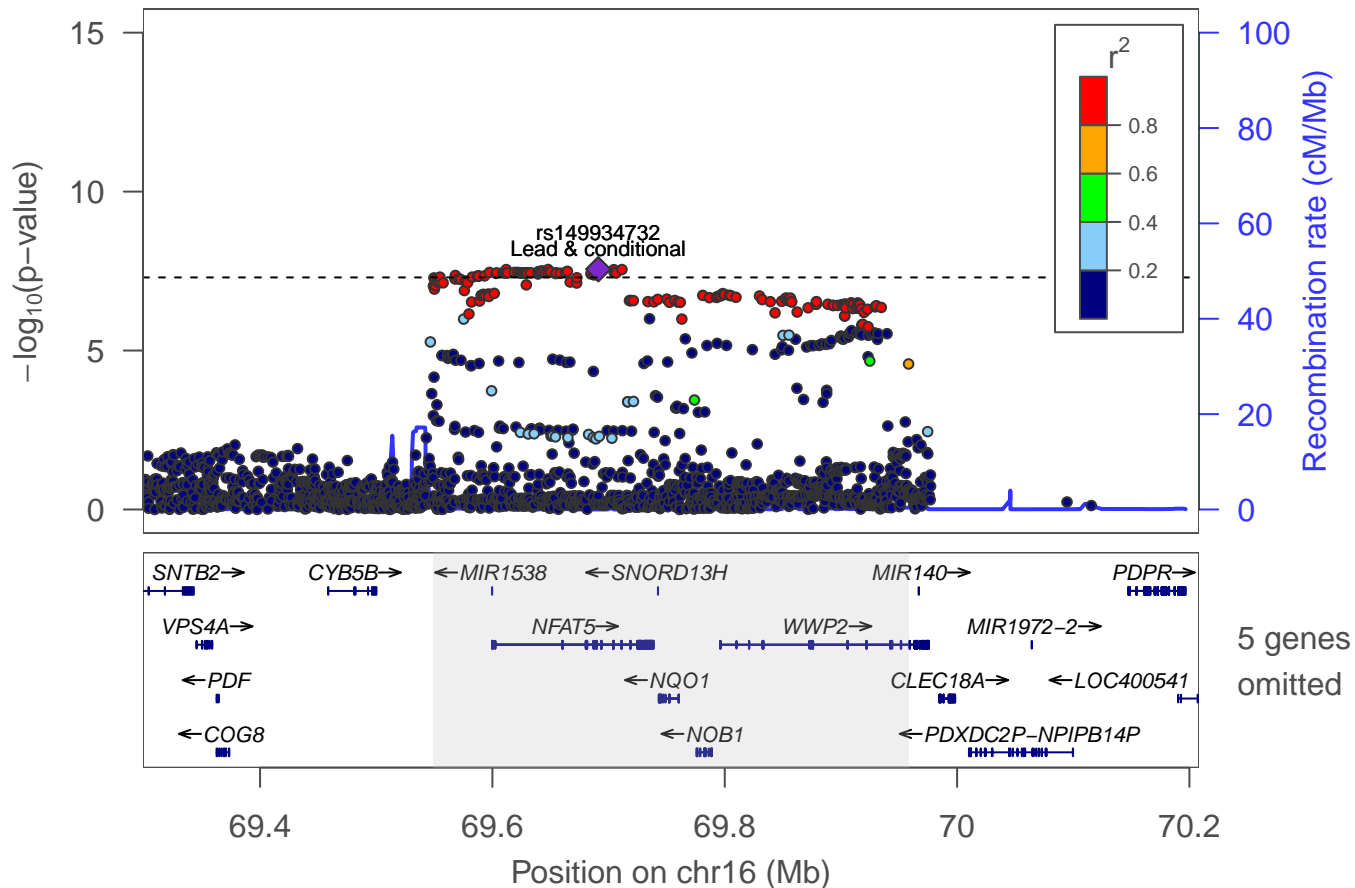
General risk tolerance: locus 86 [chr 15:88.370–88.391Mb]



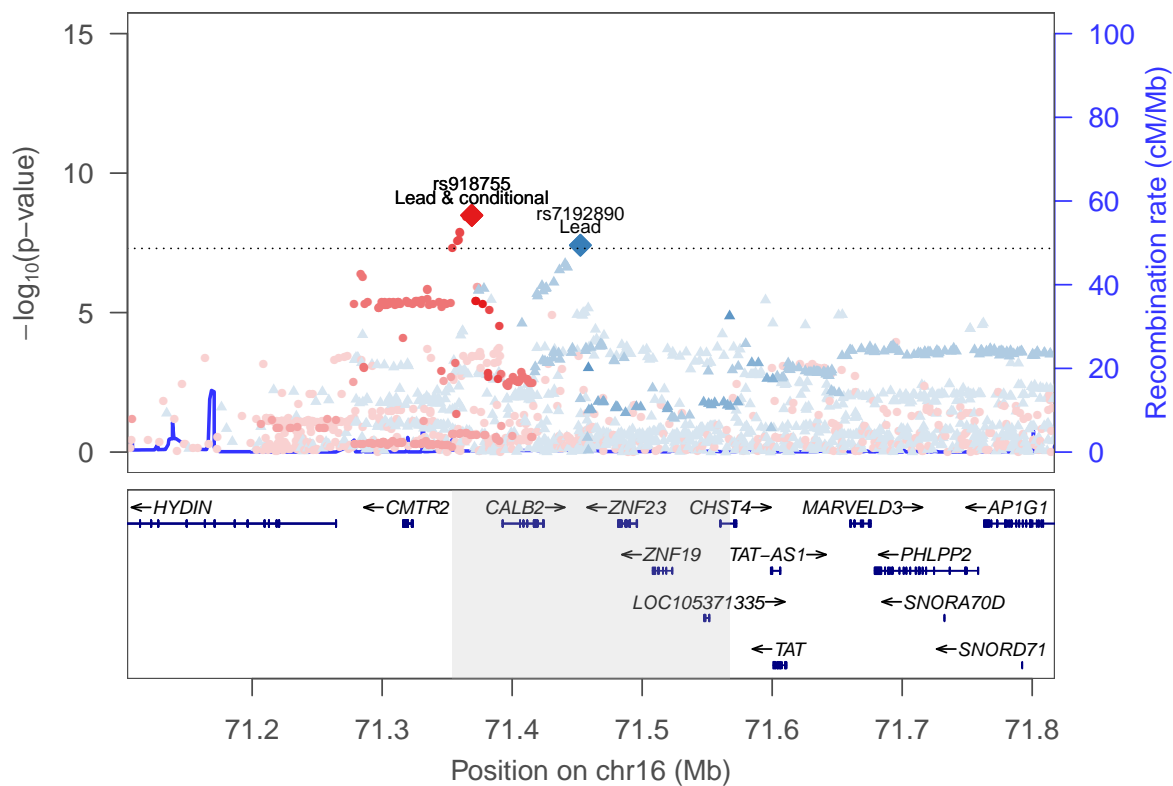
General risk tolerance: locus 87 [chr 16:10.219–10.221Mb]



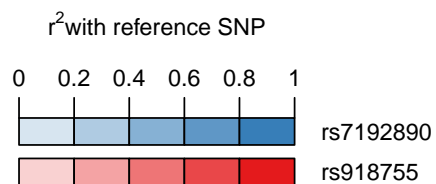
General risk tolerance: locus 88 [chr 16:69.549–69.958Mb]



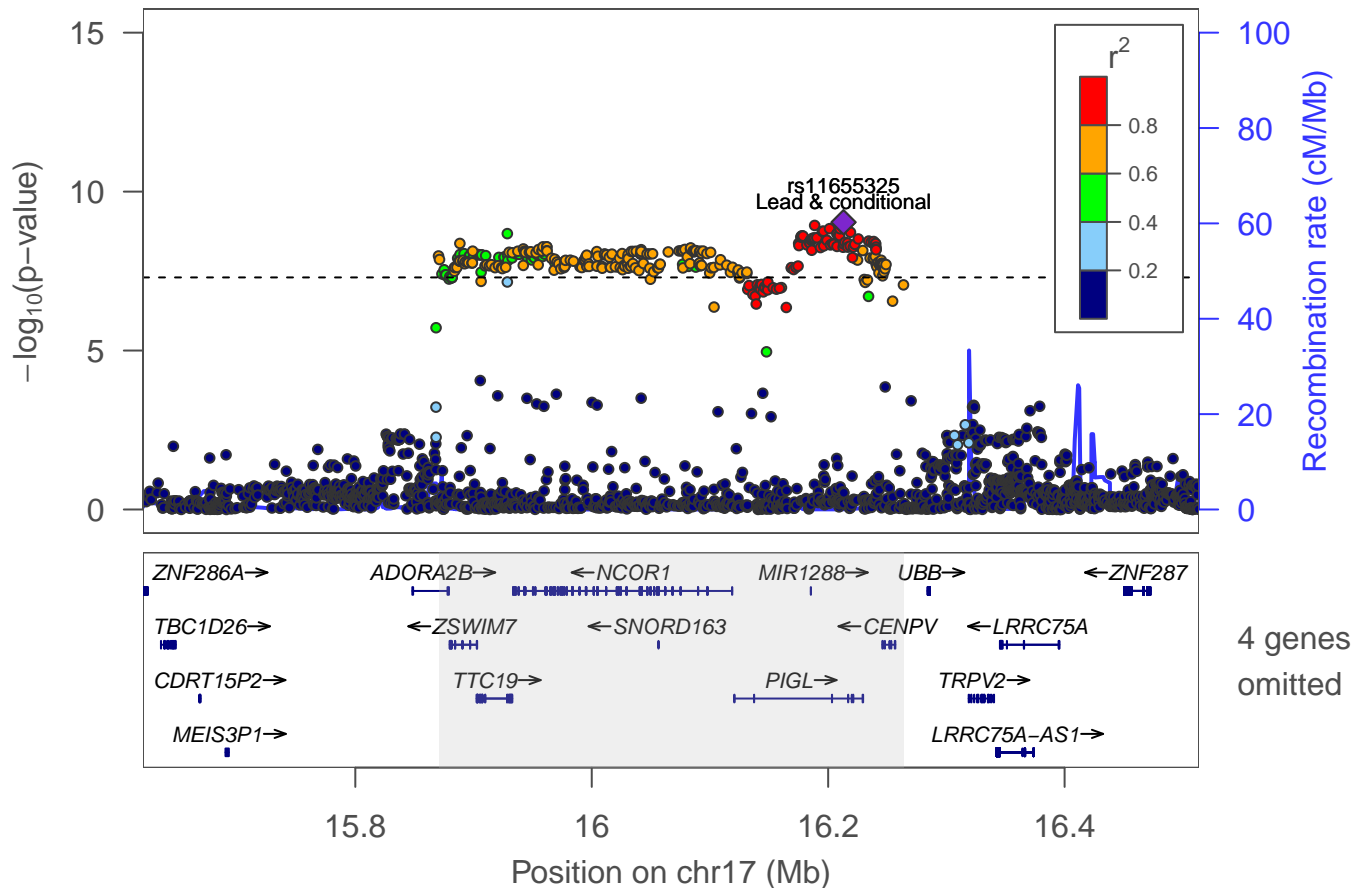
General risk tolerance: Locus 89 [chr 16: 71.354–71.567Mb]



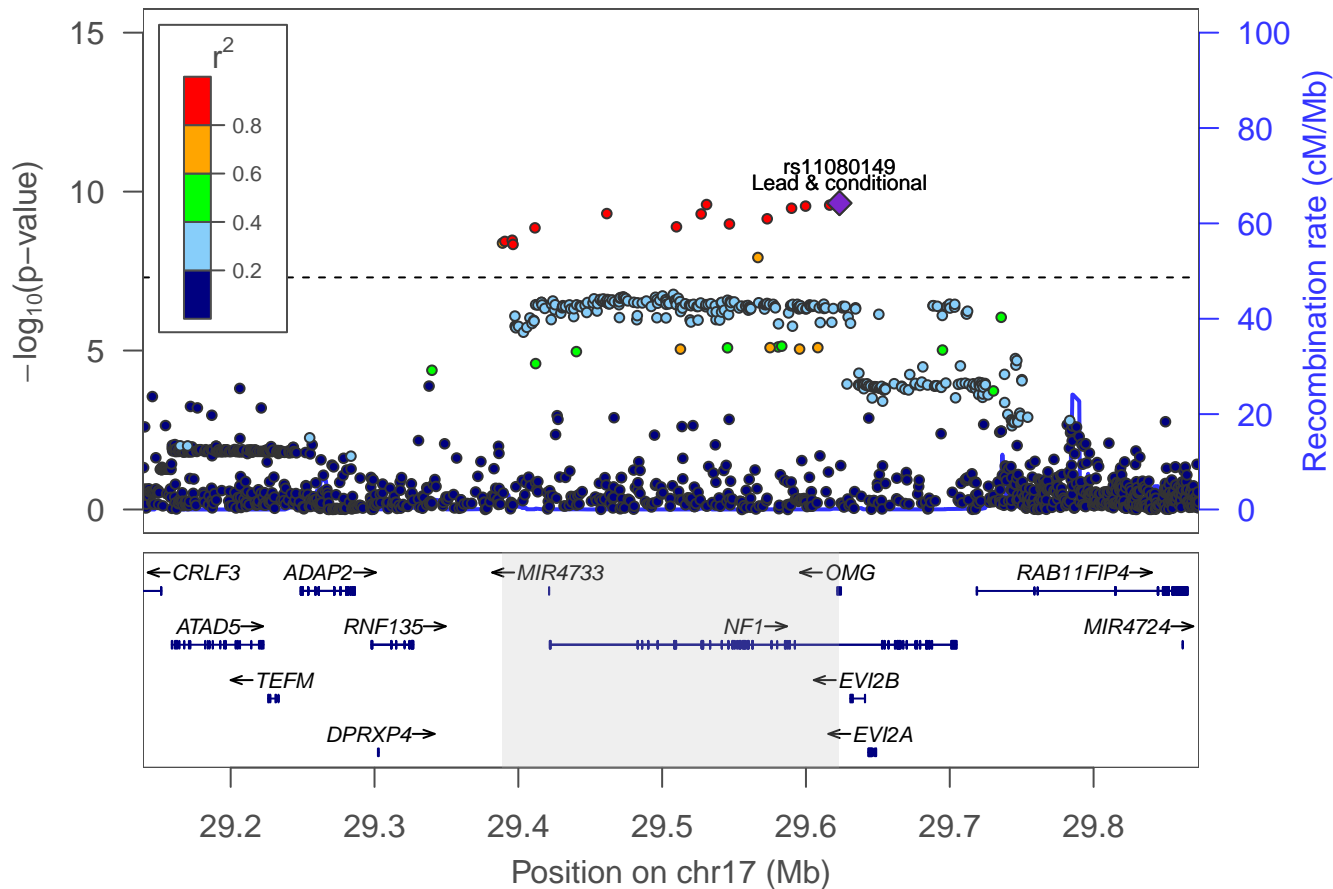
rs7192890 ▲
rs918755 ●



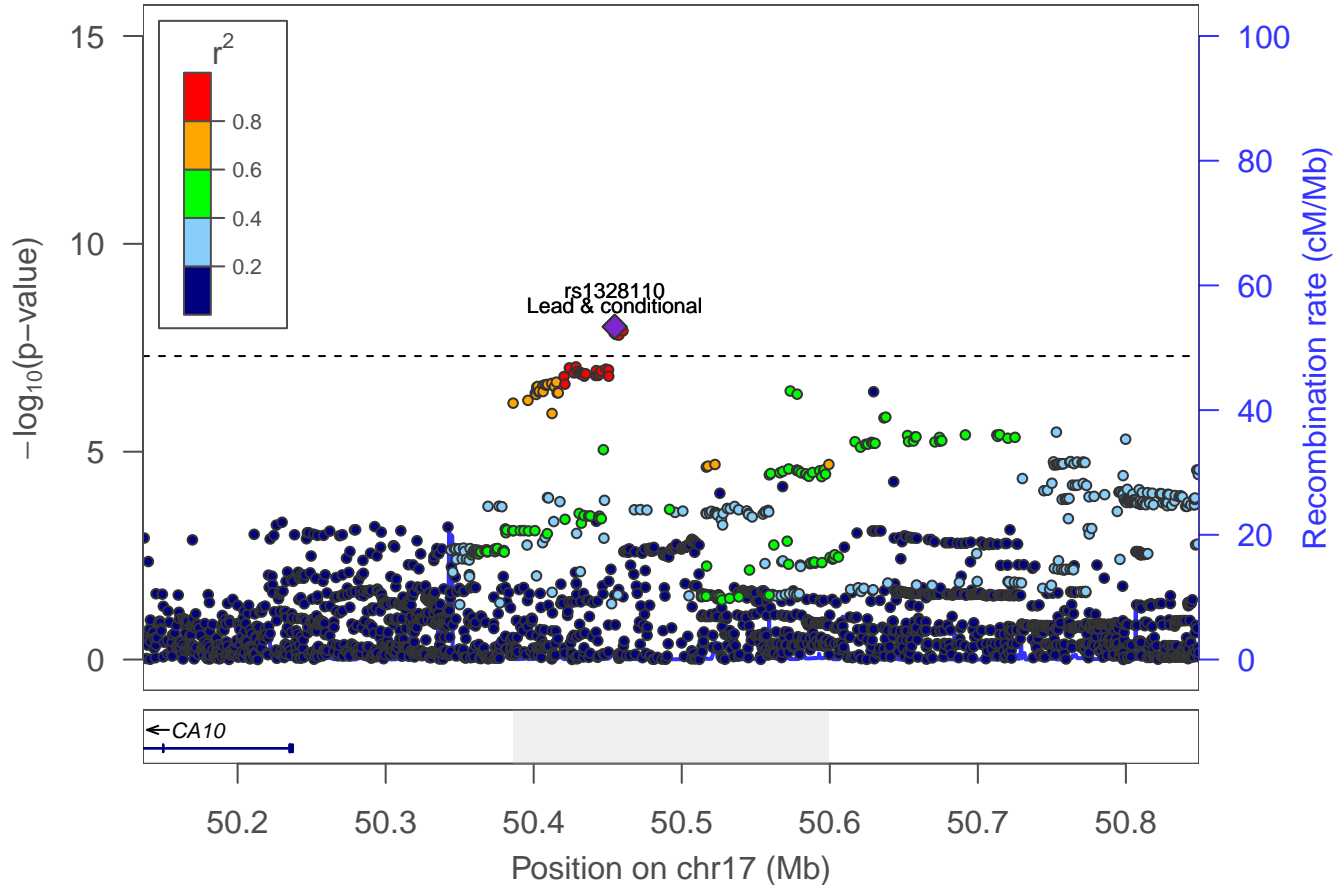
General risk tolerance: locus 90 [chr 17:15.870–16.264Mb]



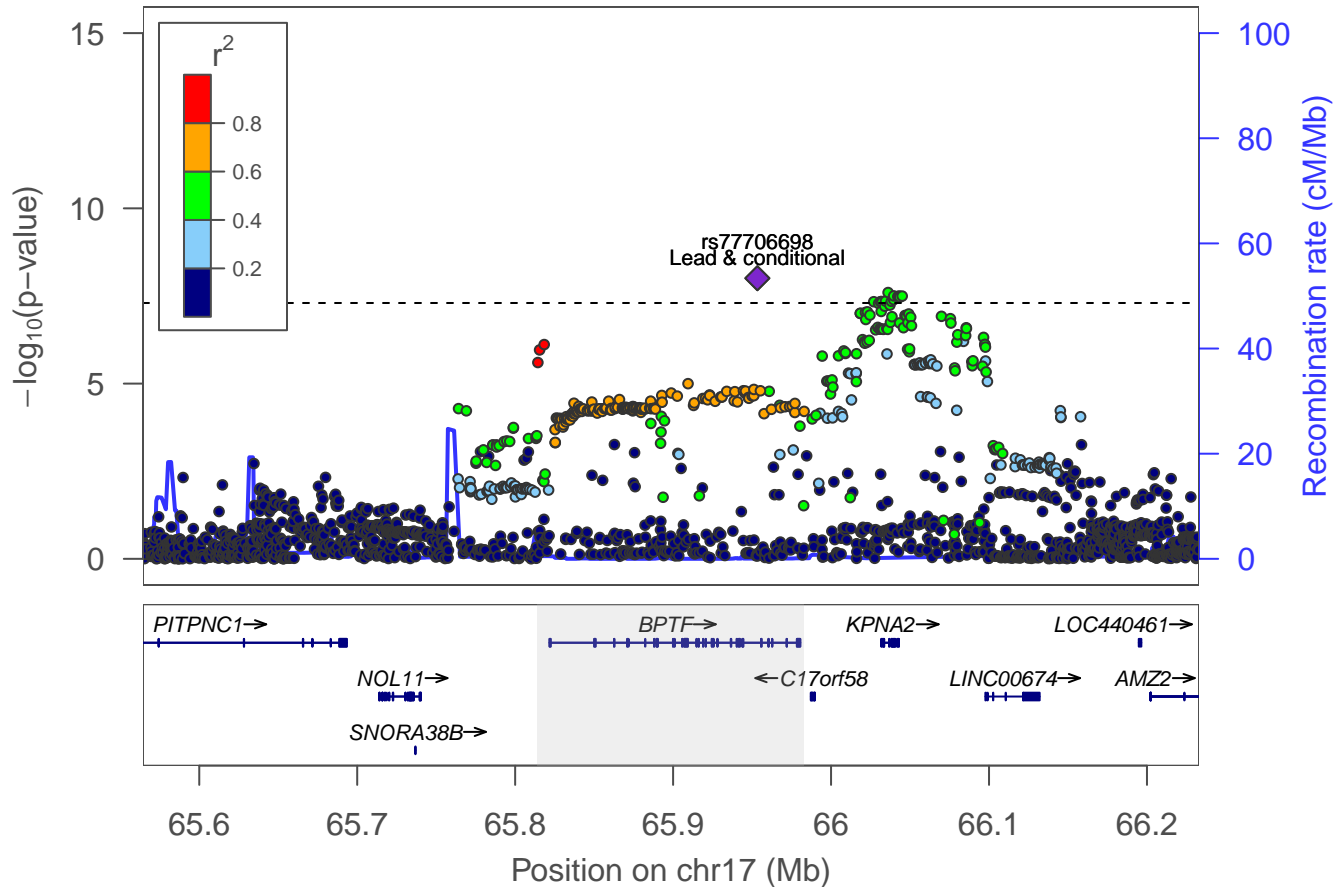
General risk tolerance: locus 91 [chr 17:29.389–29.623Mb]



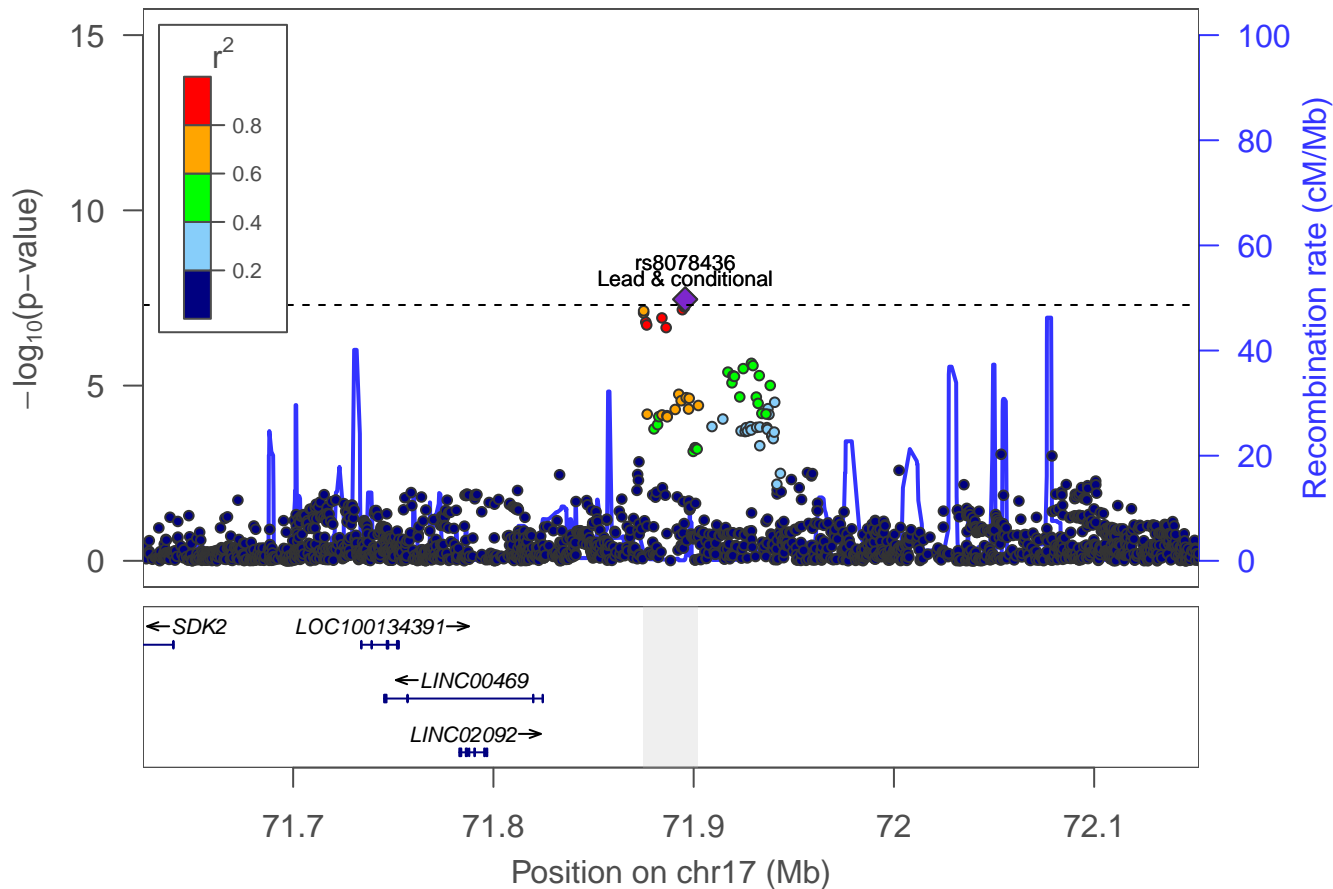
General risk tolerance: locus 92 [chr 17:50.386–50.599Mb]



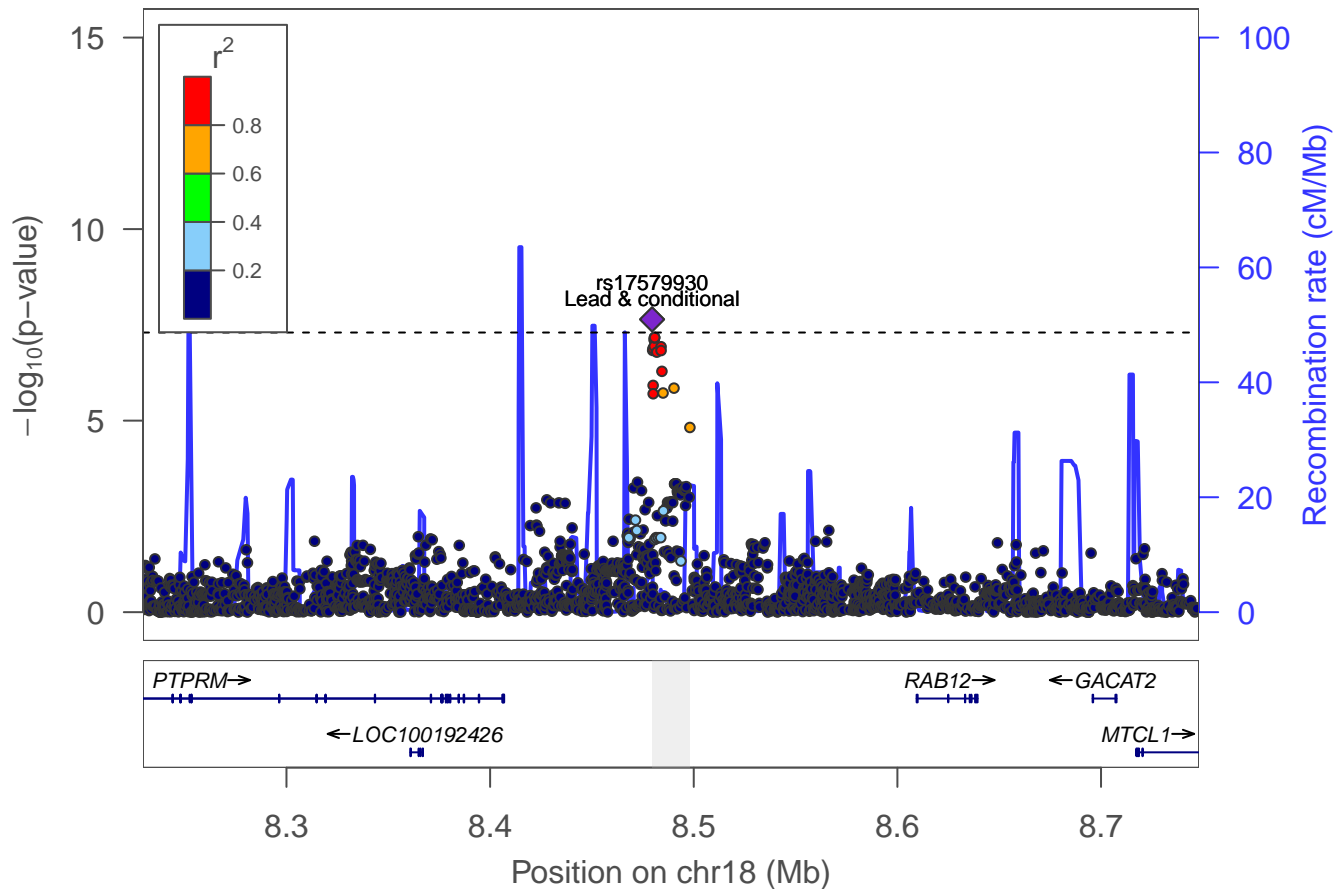
General risk tolerance: locus 93 [chr 17:65.814–65.983Mb]



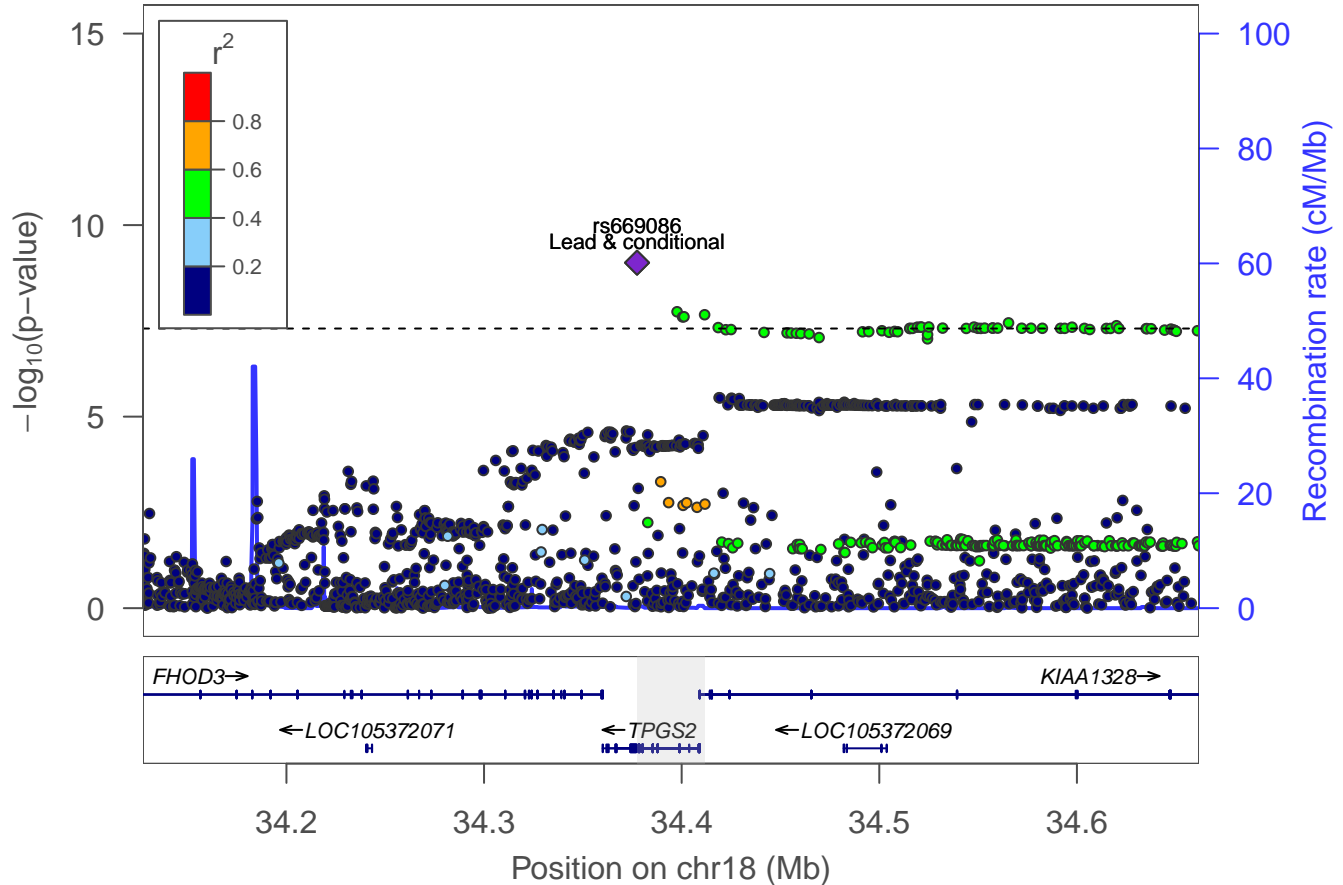
General risk tolerance: locus 94 [chr 17:71.875–71.902Mb]



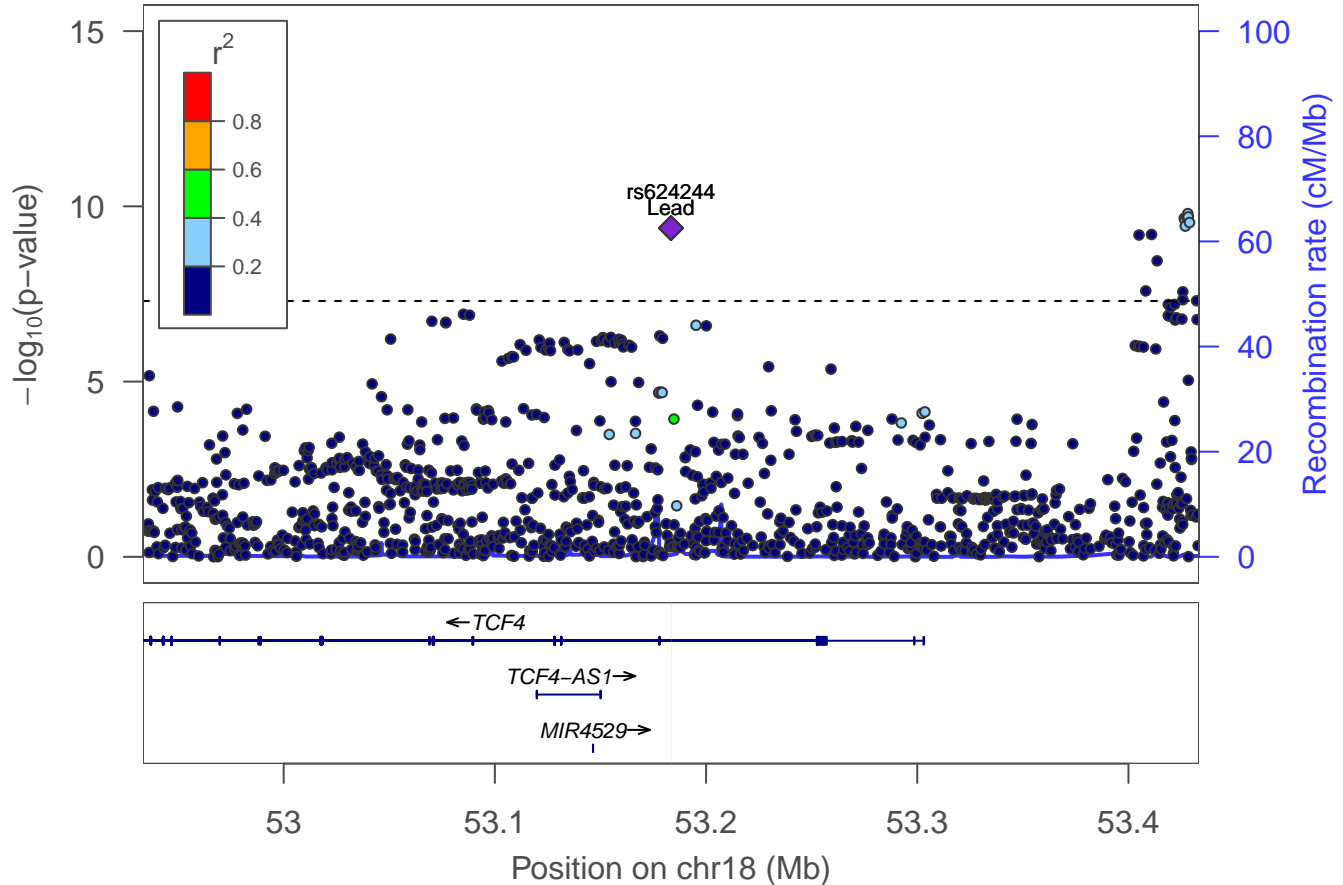
General risk tolerance: locus 95 [chr 18:8.480–8.498Mb]



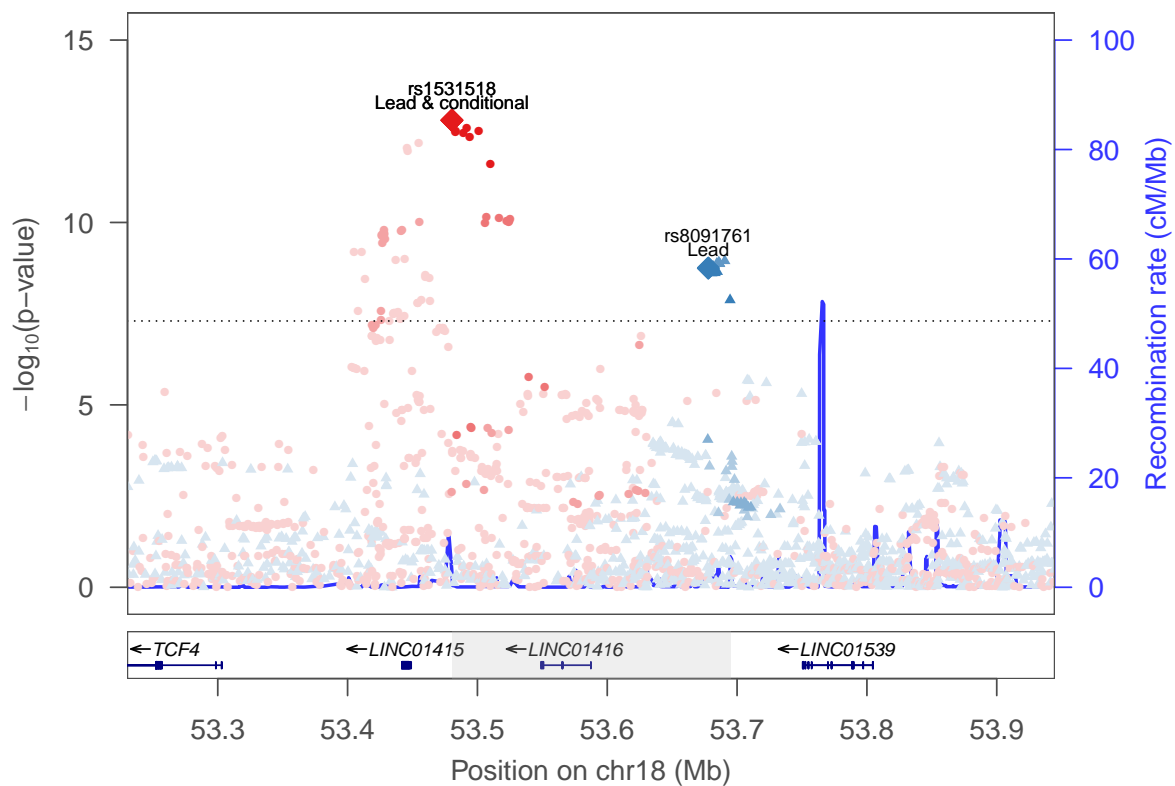
General risk tolerance: locus 96 [chr 18:34.377–34.412Mb]



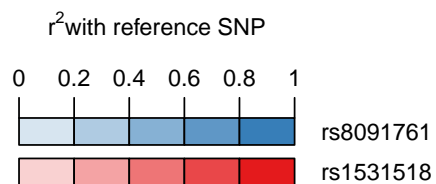
General risk tolerance: locus 97 [chr 18:53.183–53.183Mb]



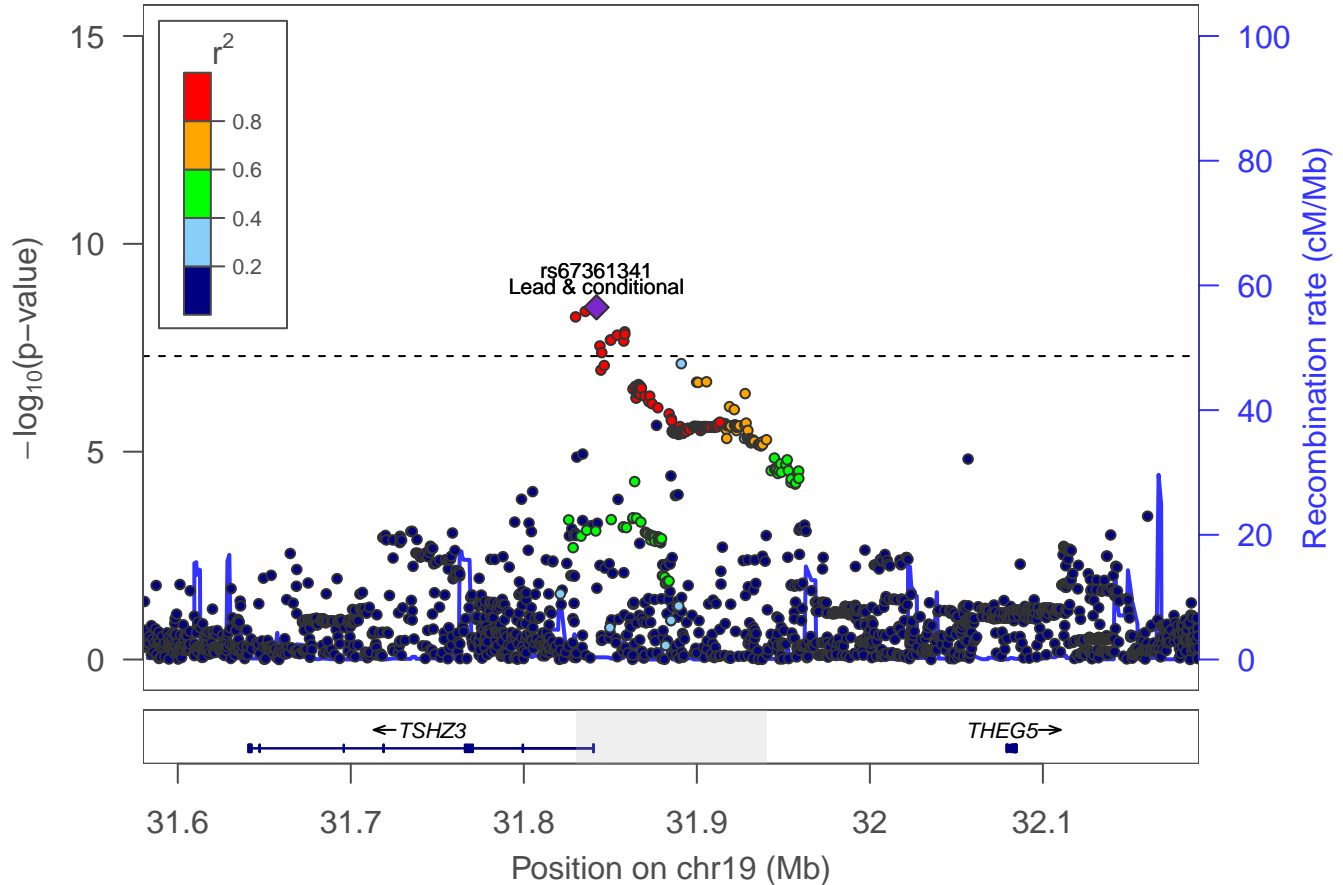
General risk tolerance: Locus 98 [chr 18: 53.480–53.695Mb]



rs8091761 ▲
rs1531518 ●

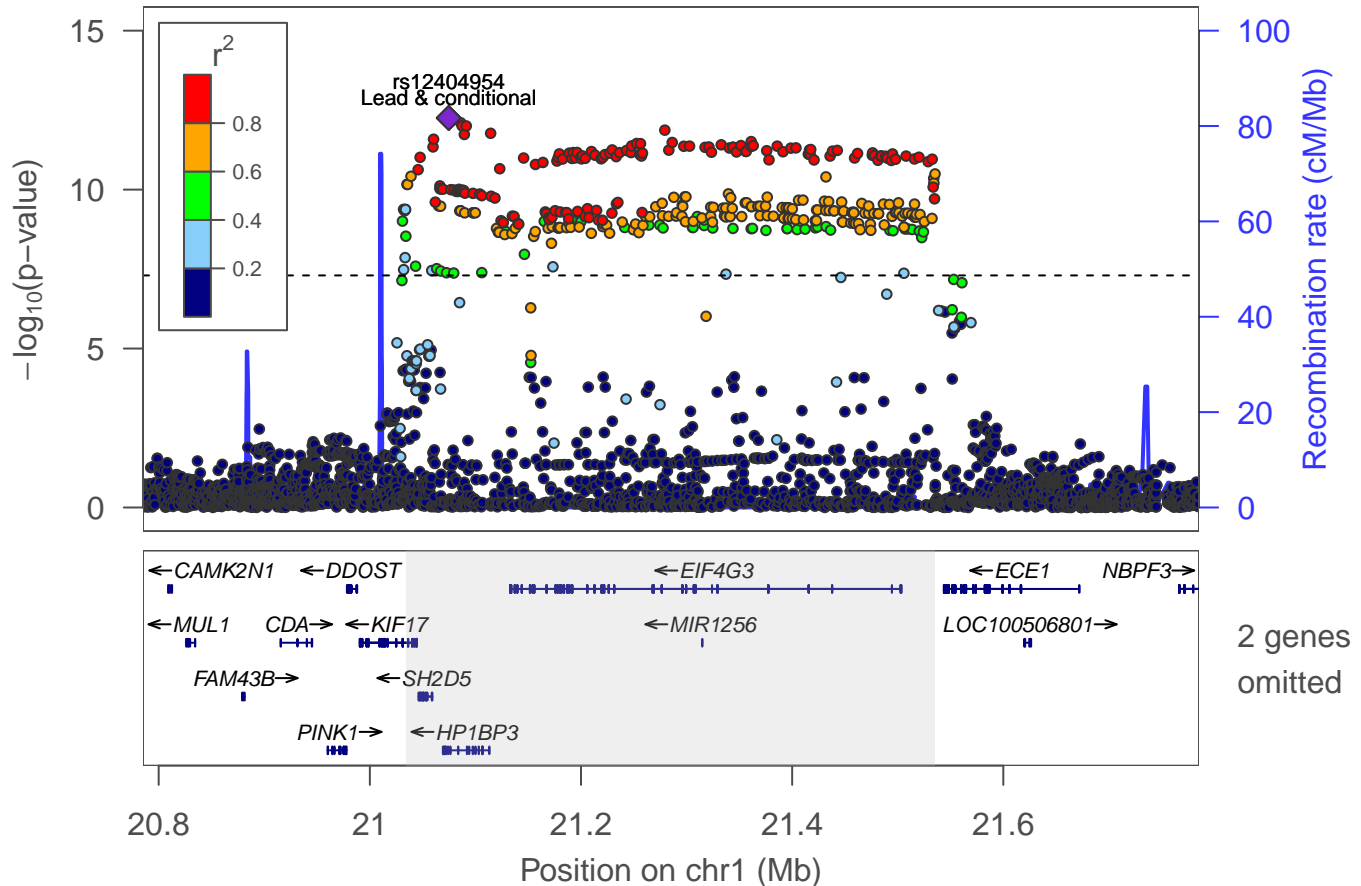


General risk tolerance: locus 99 [chr 19:31.830–31.940Mb]

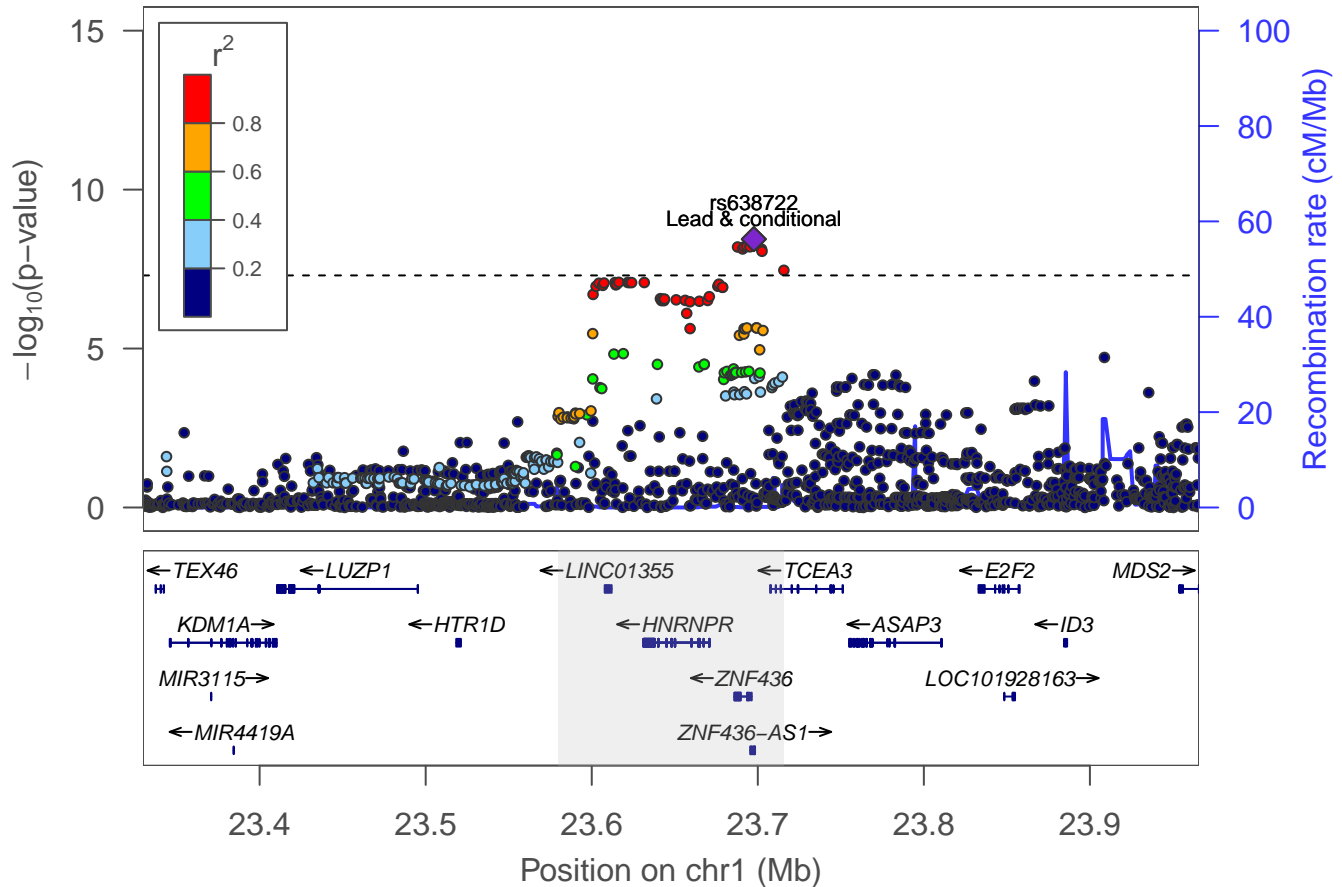


LocusZoom plots for the 137 loci identified in the GWAS of adventurousness

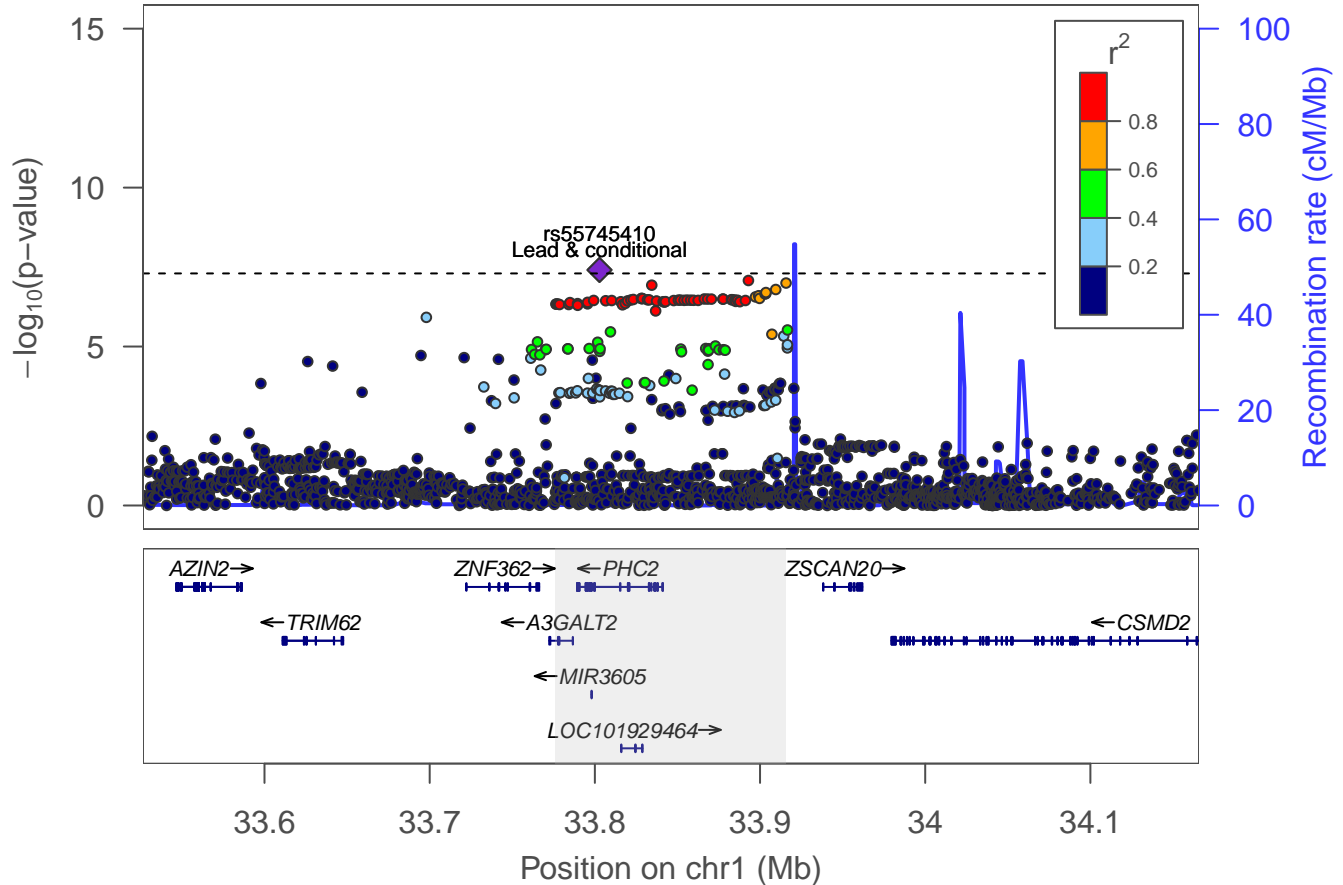
Adventurousness: locus 1 [chr 1:21.035–21.535Mb]



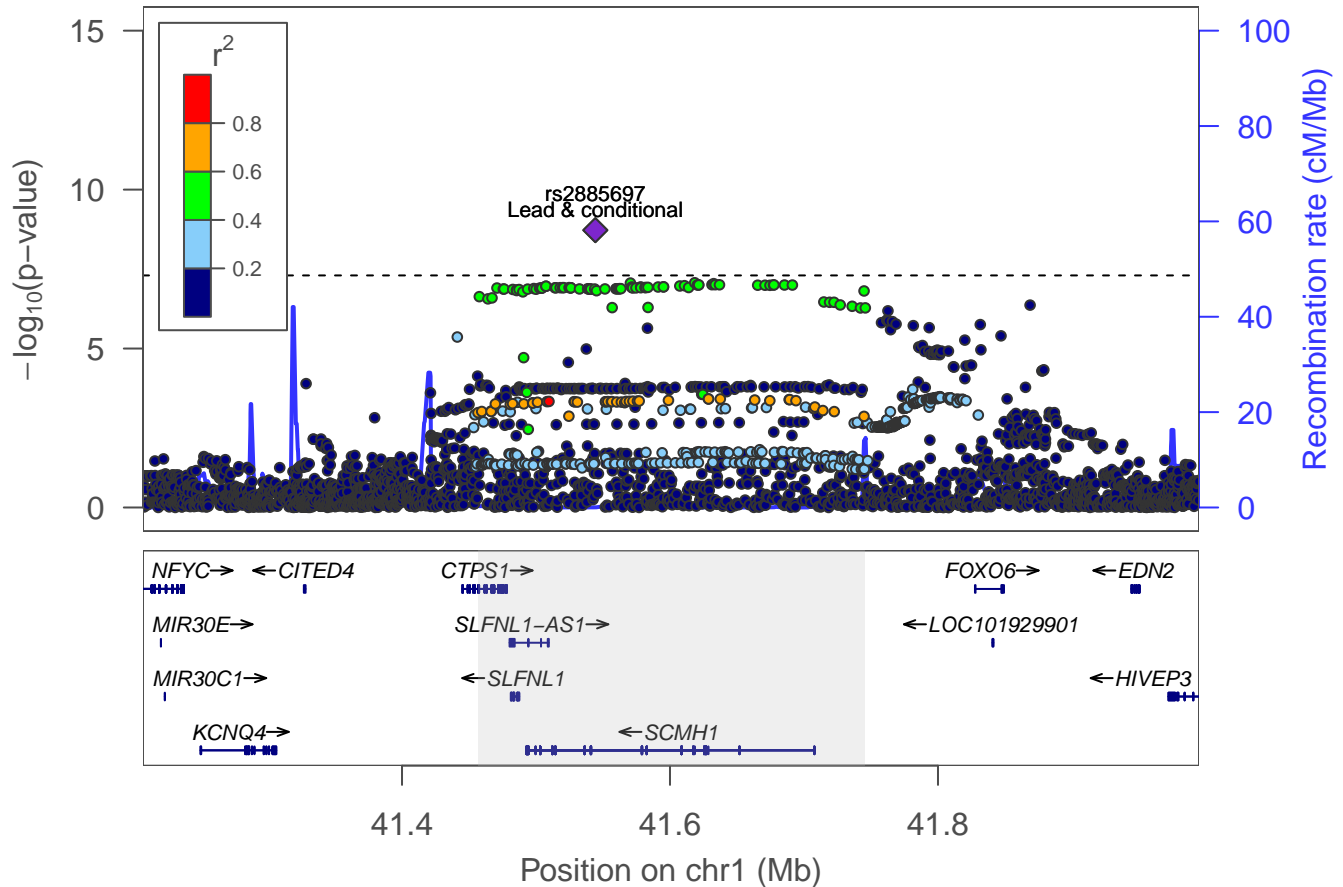
Adventurousness: locus 2 [chr 1:23.580–23.716Mb]



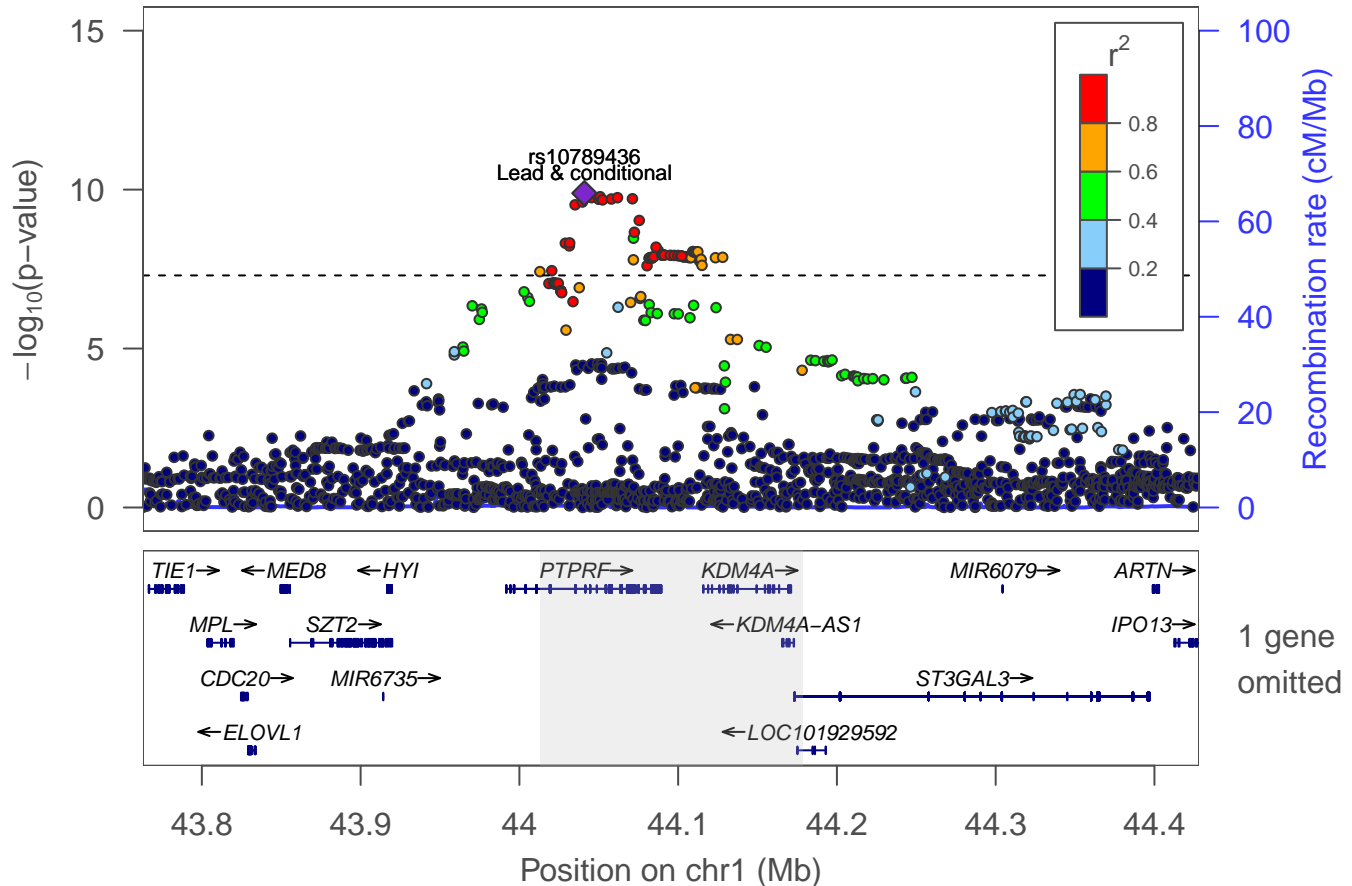
Adventurousness: locus 3 [chr 1:33.776–33.916Mb]



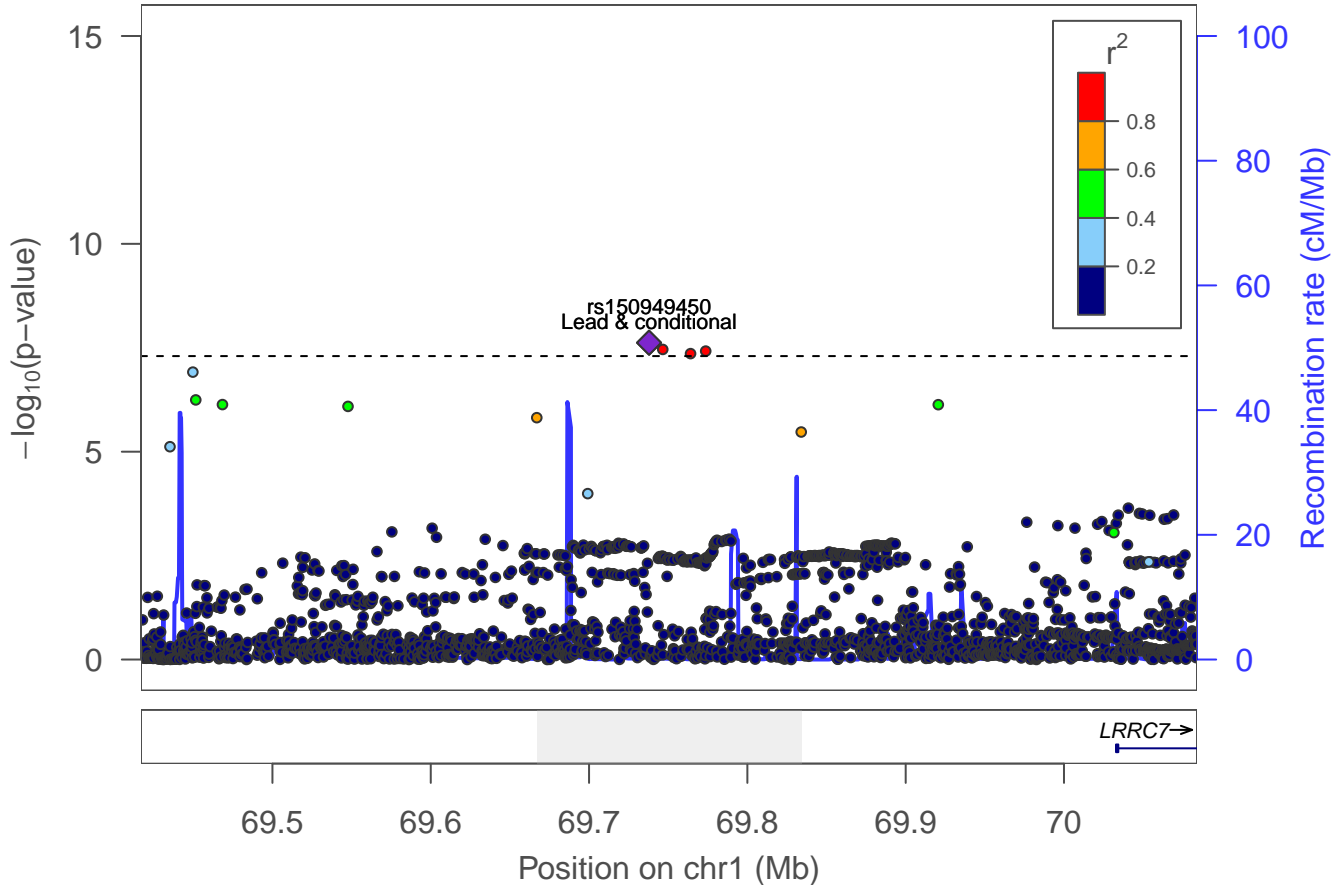
Adventurousness: locus 4 [chr 1:41.457–41.745Mb]



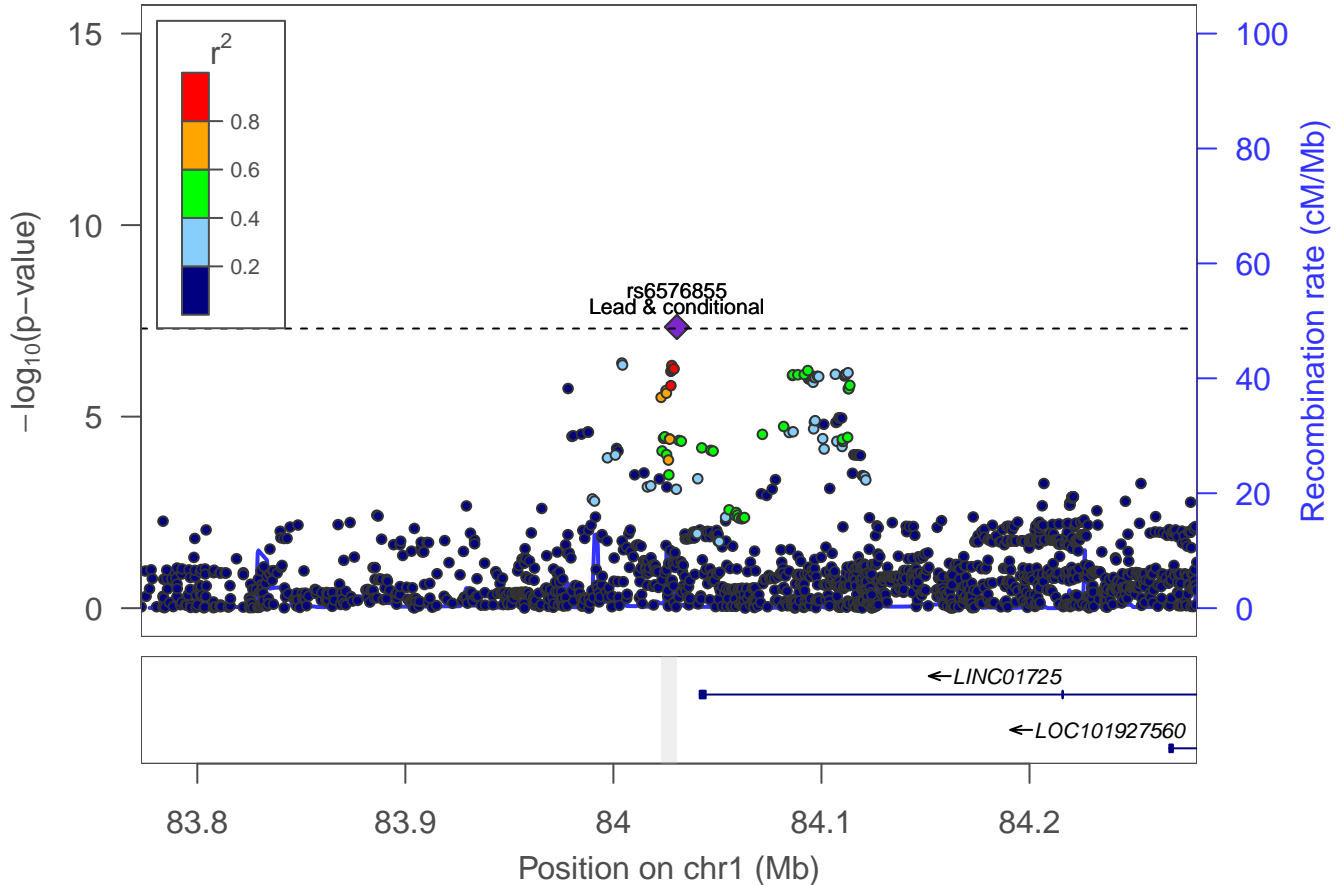
Adventurousness: locus 5 [chr 1:44.013–44.178Mb]



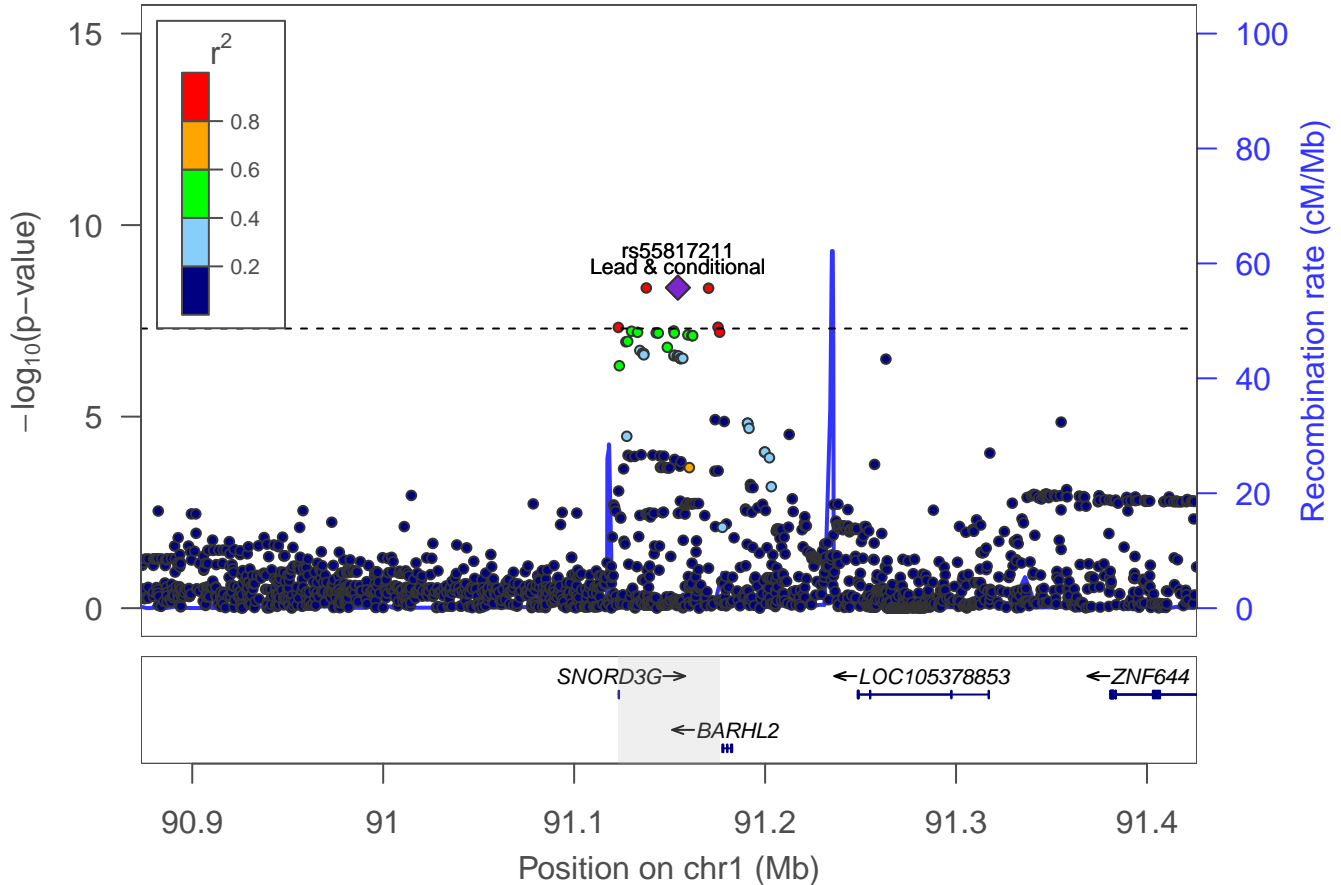
Adventurousness: locus 6 [chr 1:69.667–69.834Mb]



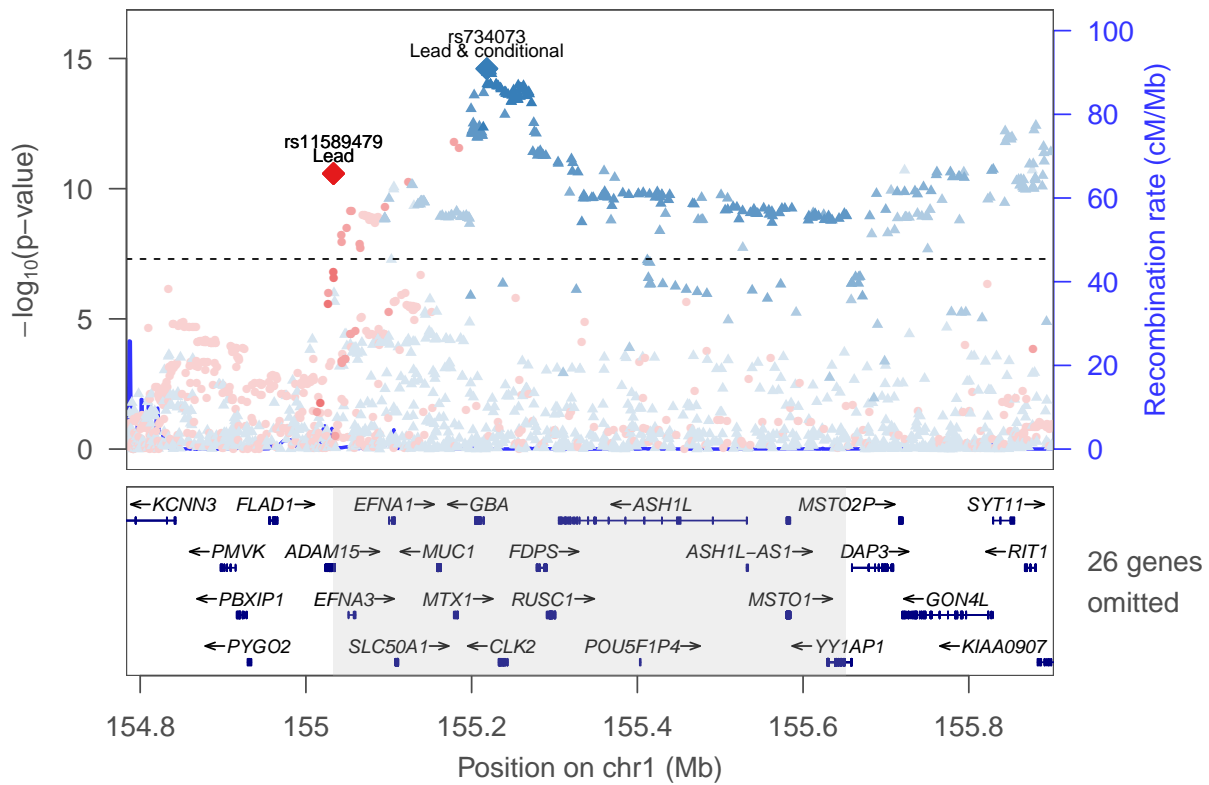
Adventurousness: locus 7 [chr 1:84.023–84.031Mb]



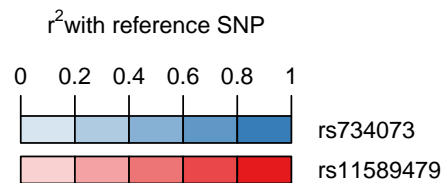
Adventurousness: locus 8 [chr 1:91.123–91.176Mb]



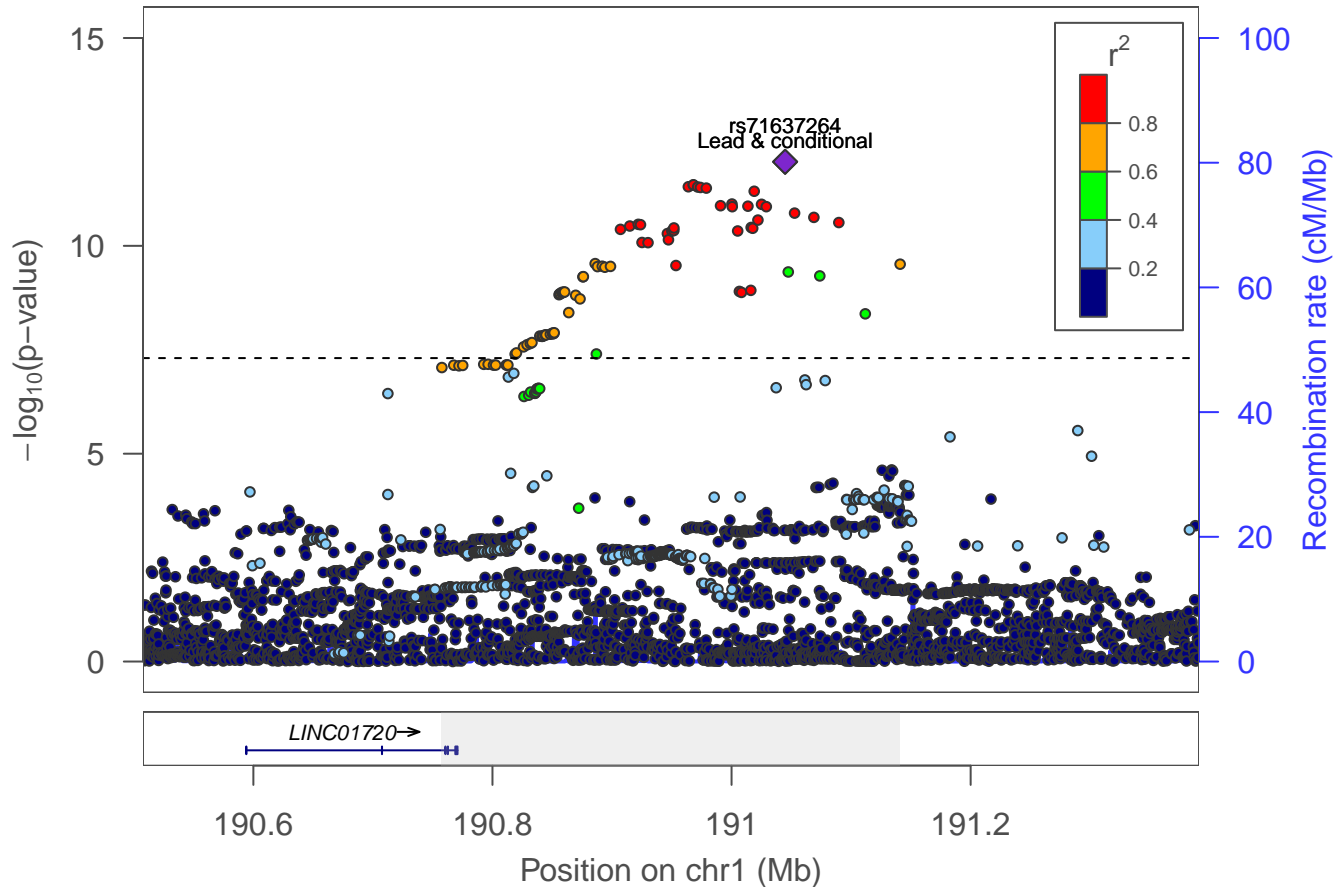
Adventurousness: Locus 9 [chr 1: 155.033–155.652Mb]



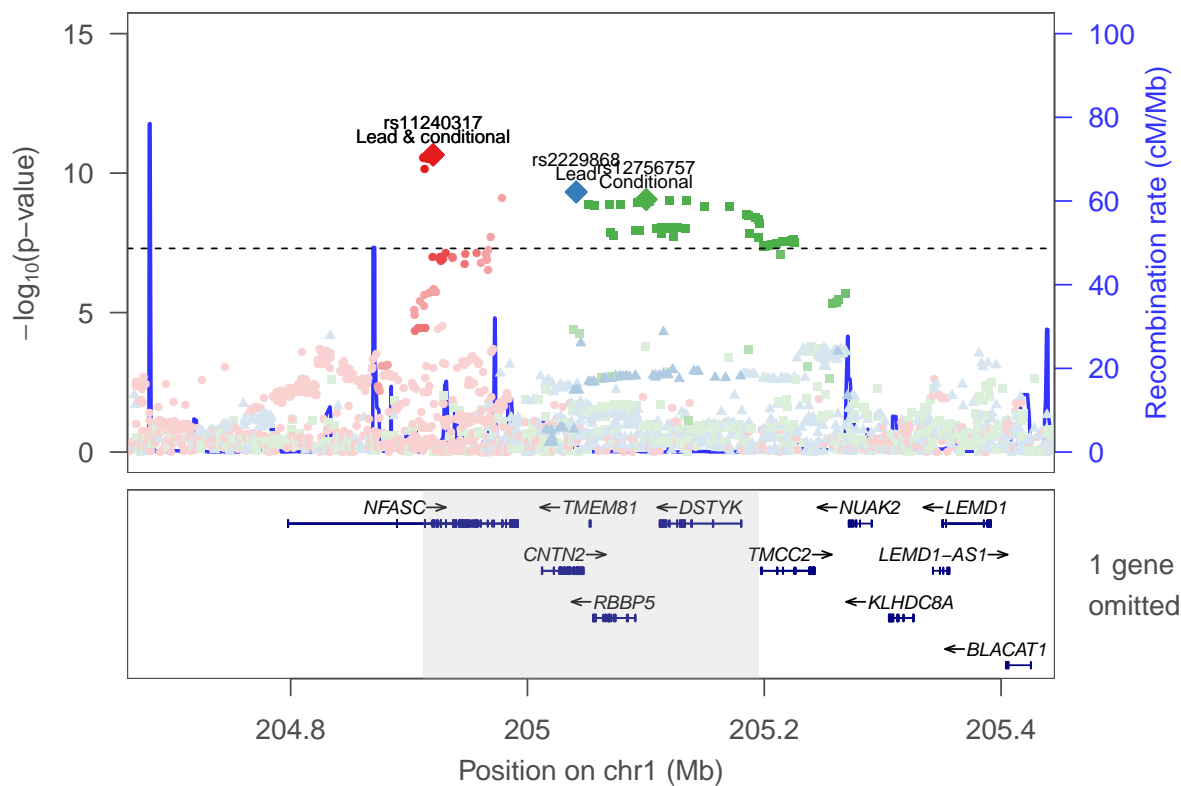
rs734073 ▲
rs11589479 ●



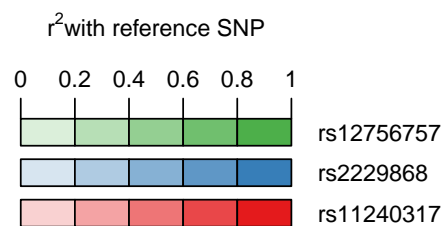
Adventurousness: locus 10 [chr 1:190.758–191.141Mb]



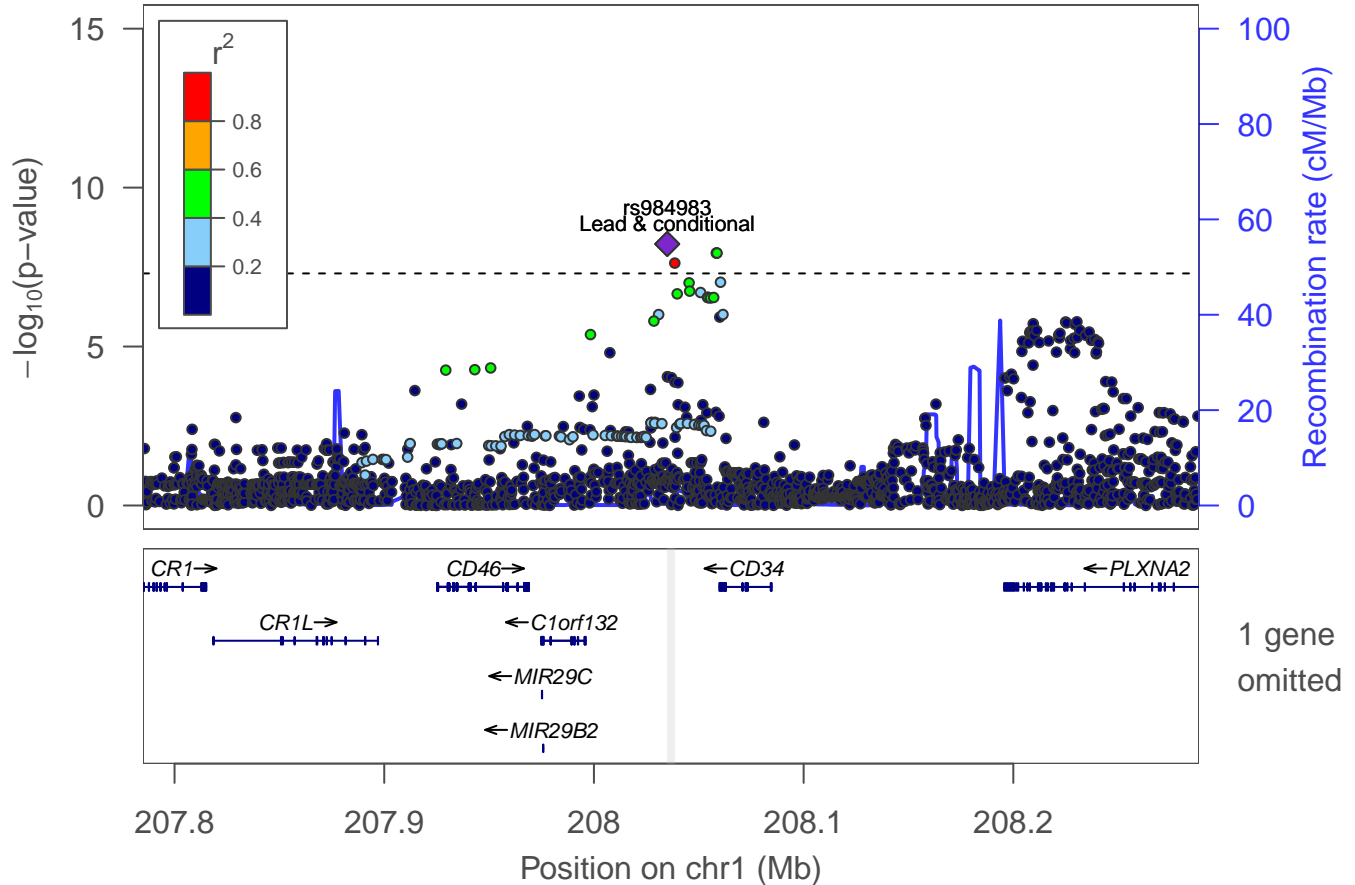
Adventurousness: Locus 11 [chr 1: 204.912–205.195Mb]



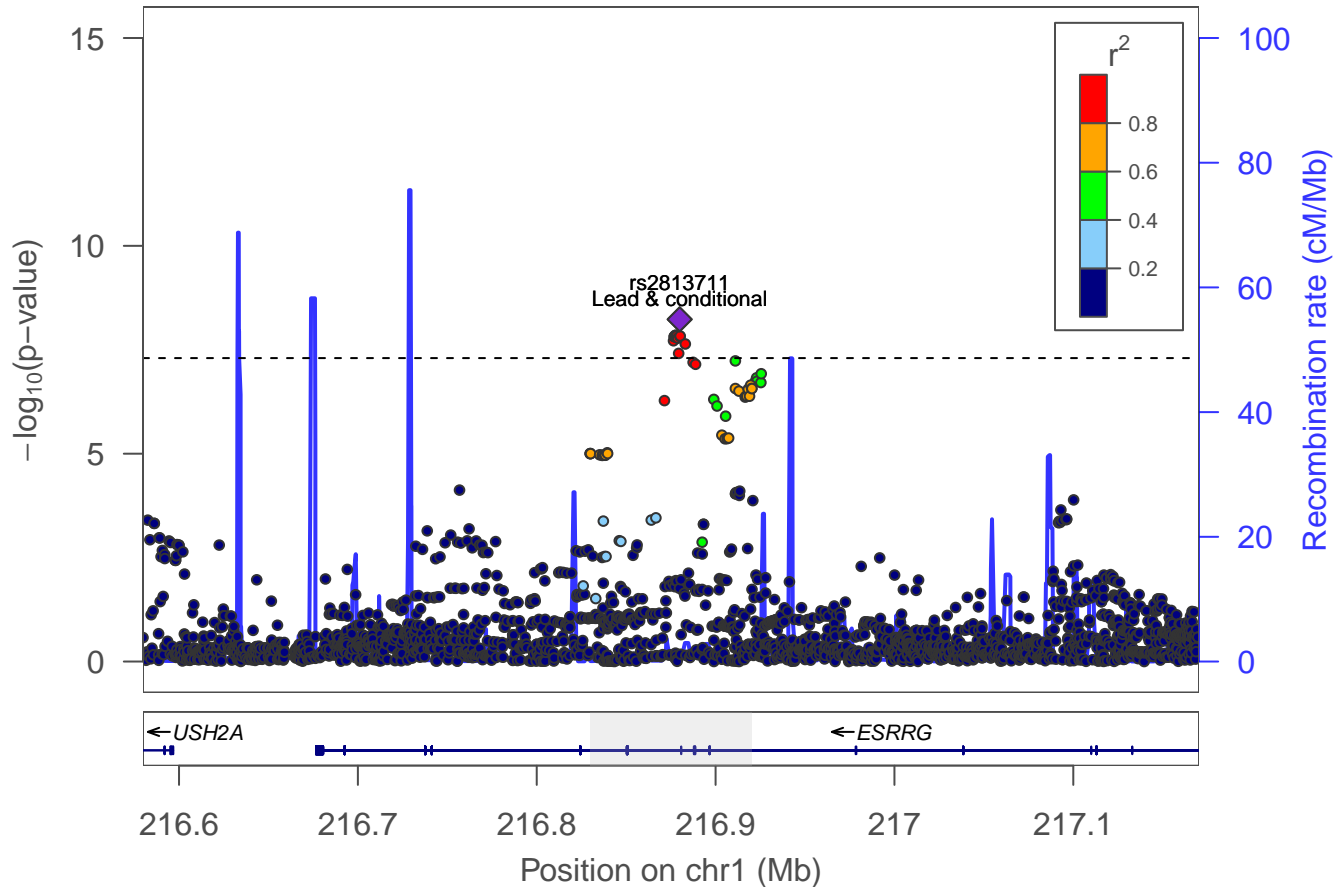
rs12756757 ■
 rs2229868 ▲
 rs11240317 ●



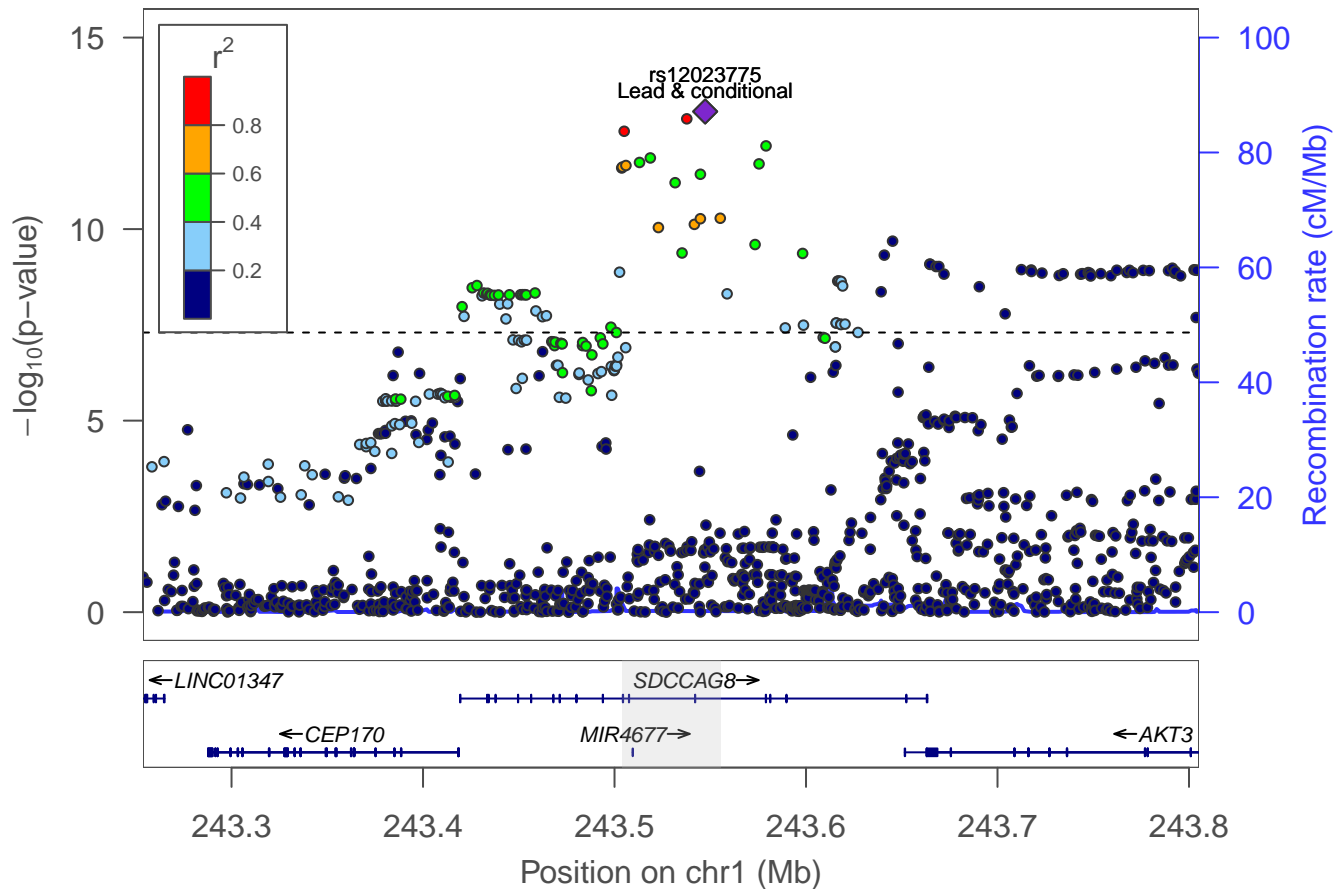
Adventurousness: locus 12 [chr 1:208.035–208.039Mb]



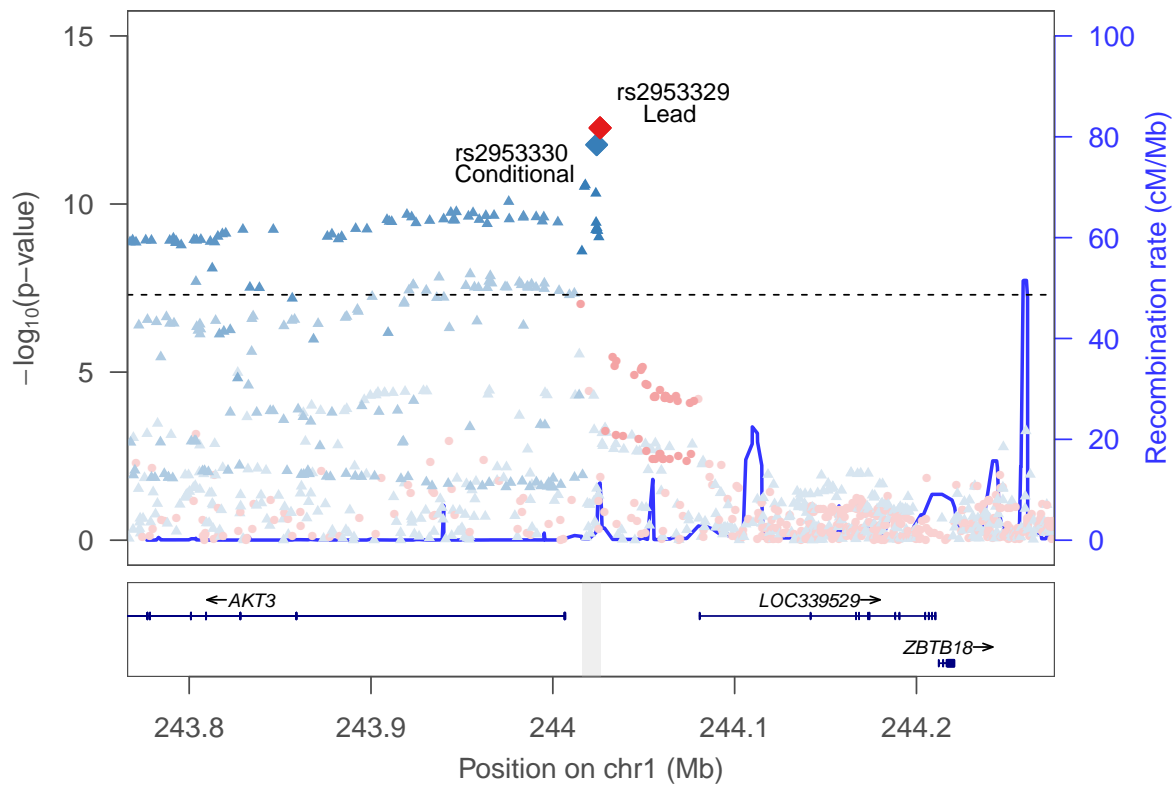
Adventurousness: locus 13 [chr 1:216.830–216.920Mb]



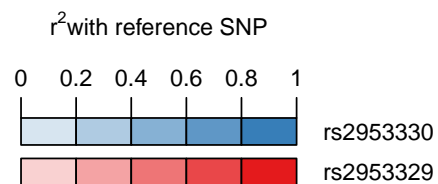
Adventurousness: locus 14 [chr 1:243.504–243.555Mb]



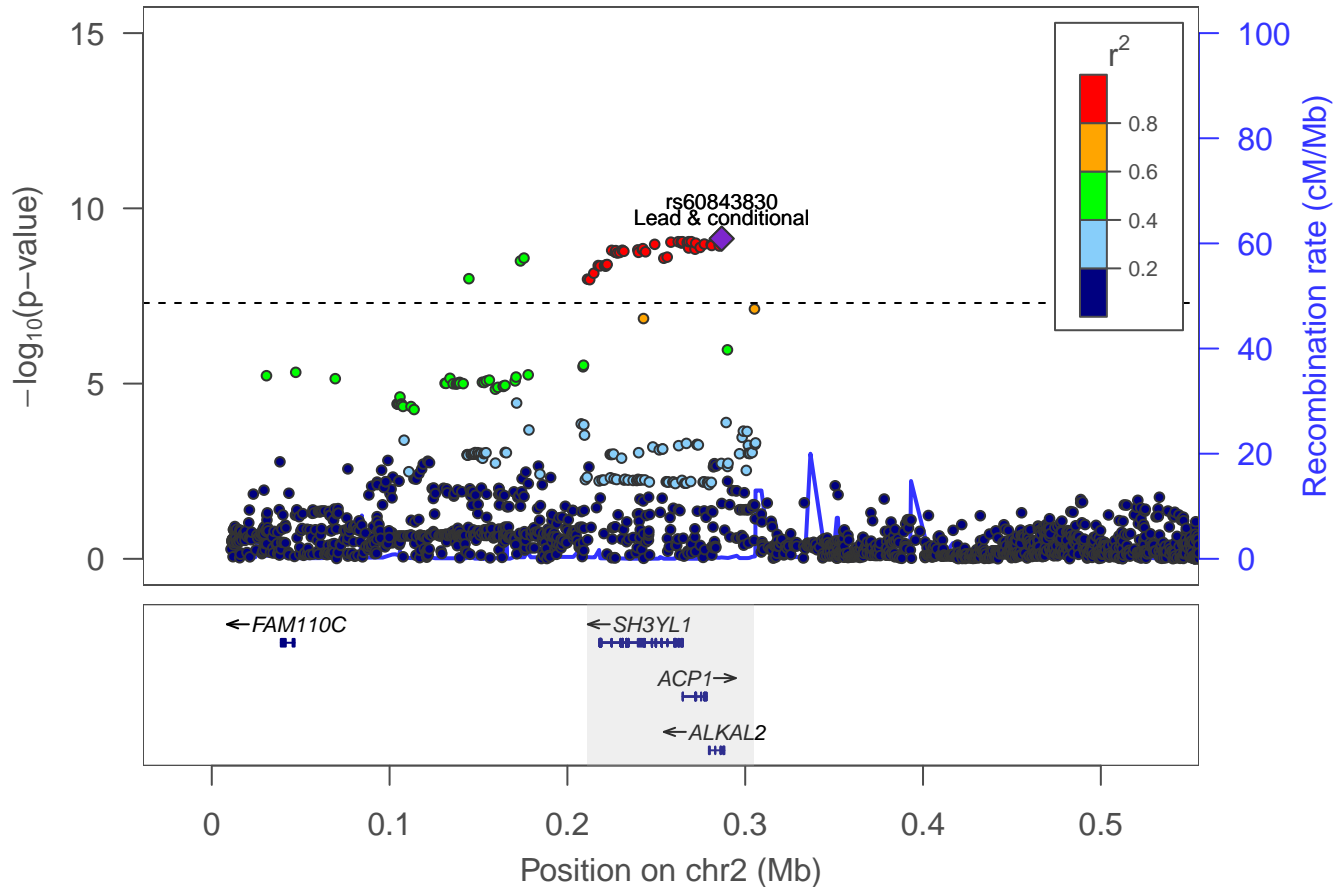
Adventurousness: Locus 15 [chr 1: 244.016–244.026Mb]



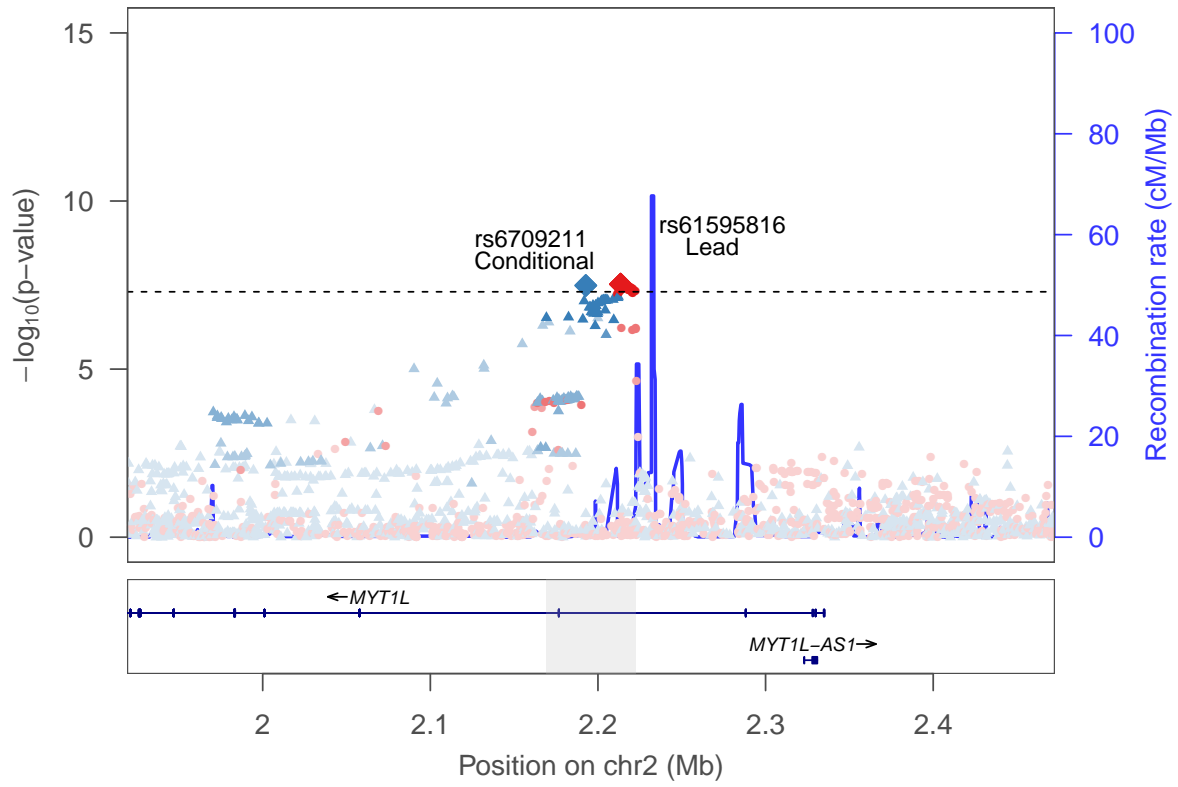
rs2953330 ▲
rs2953329 ●



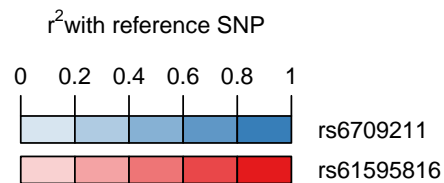
Adventurousness: locus 16 [chr 2:0.211–0.305Mb]



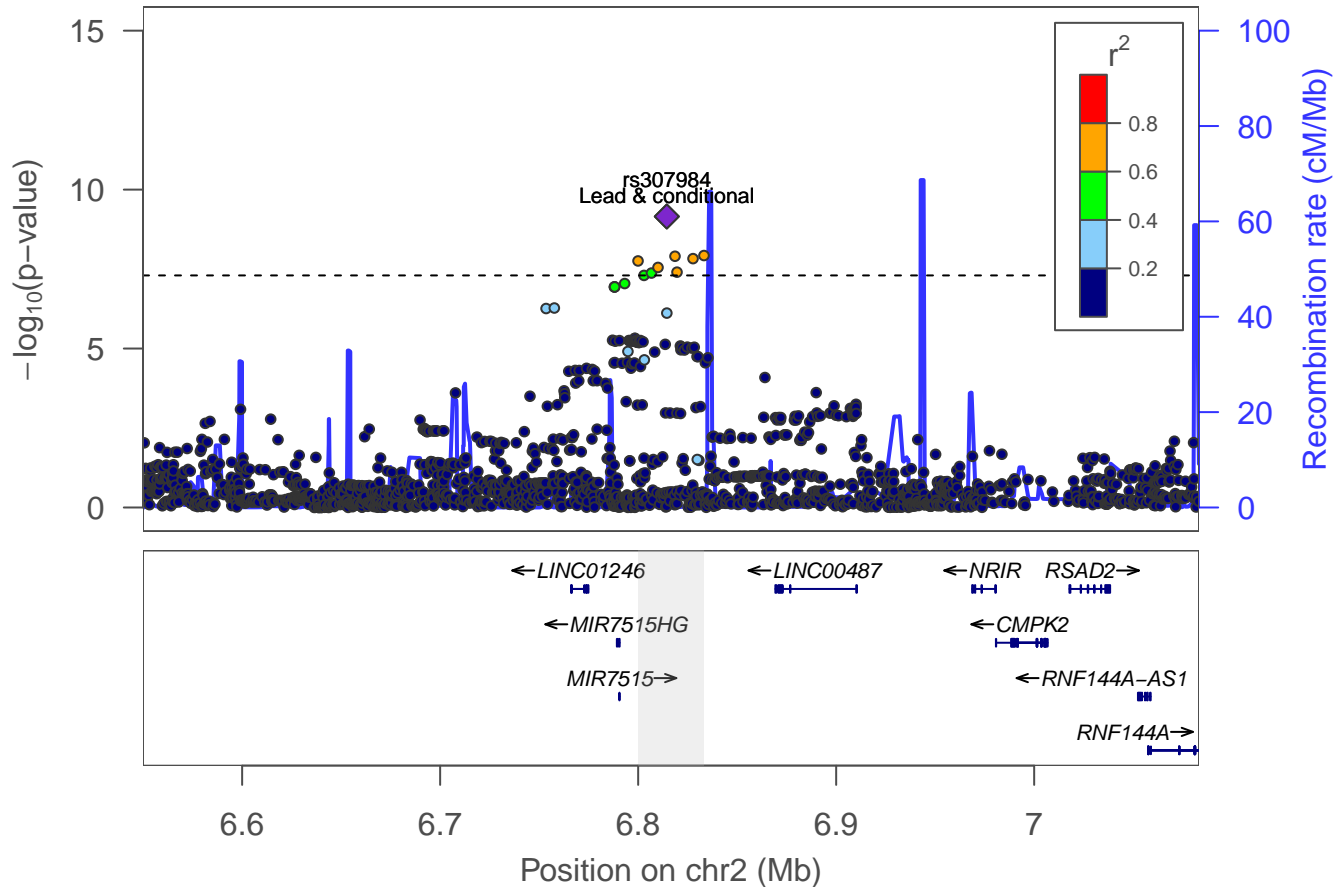
Adventurousness: Locus 17 [chr 2: 2.169–2.222Mb]



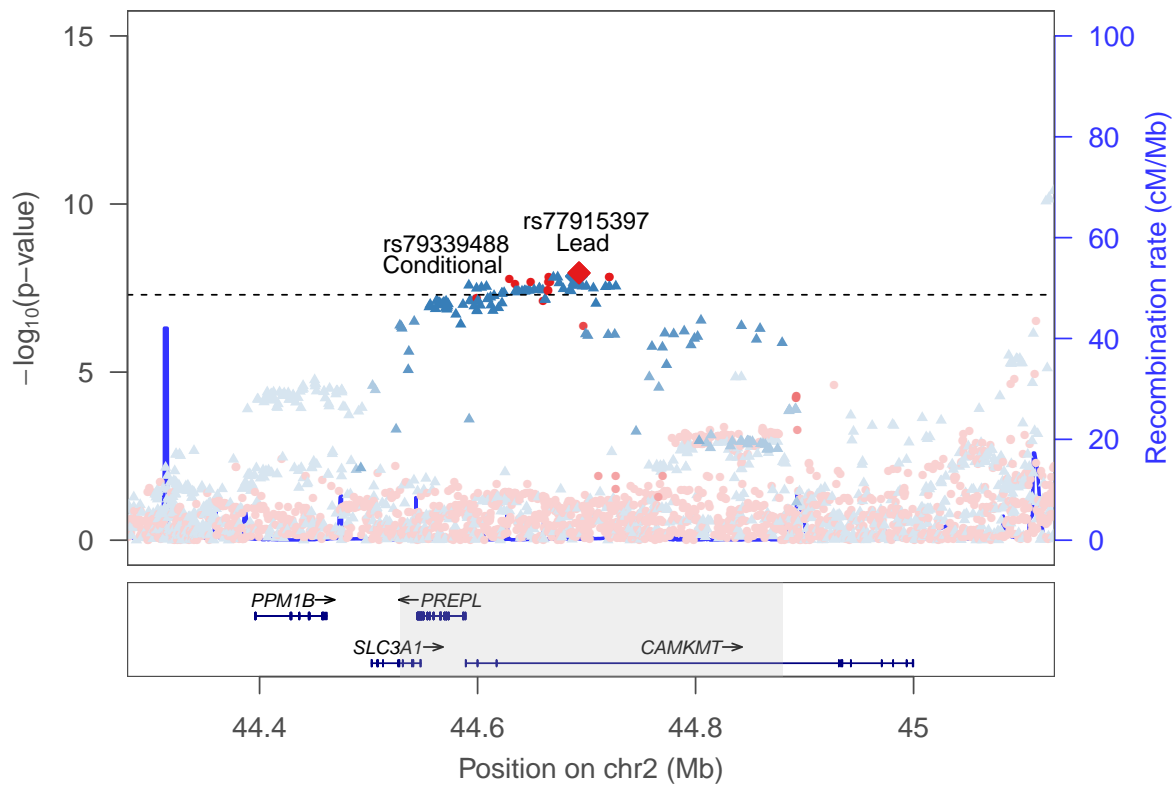
rs6709211 ▲
rs61595816 ●



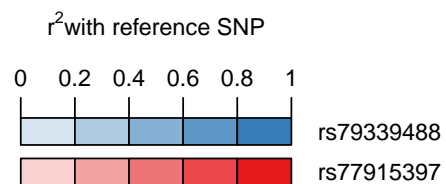
Adventurousness: locus 18 [chr 2:6.800–6.833Mb]



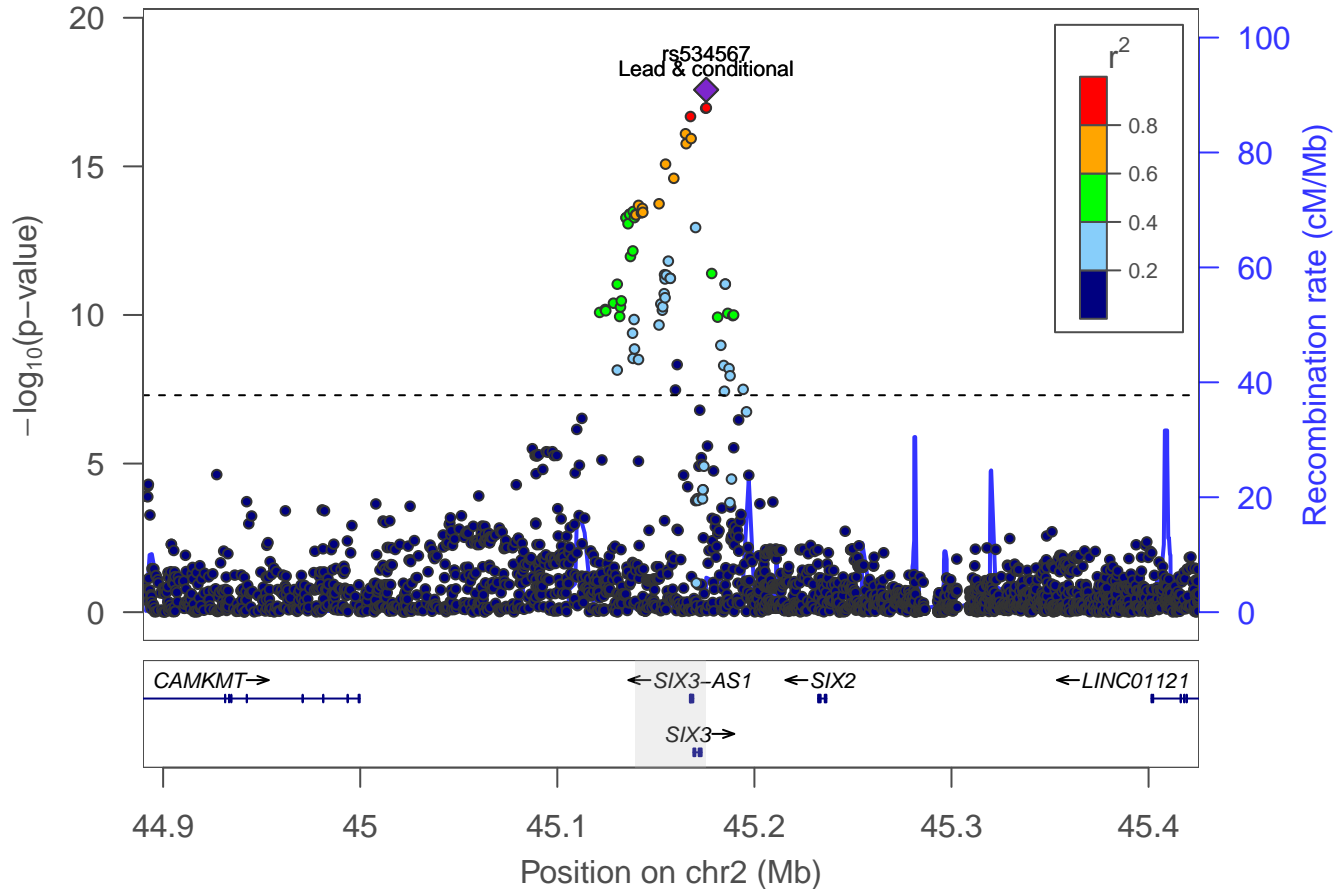
Adventurousness: Locus 19 [chr 2: 44.529–44.879Mb]



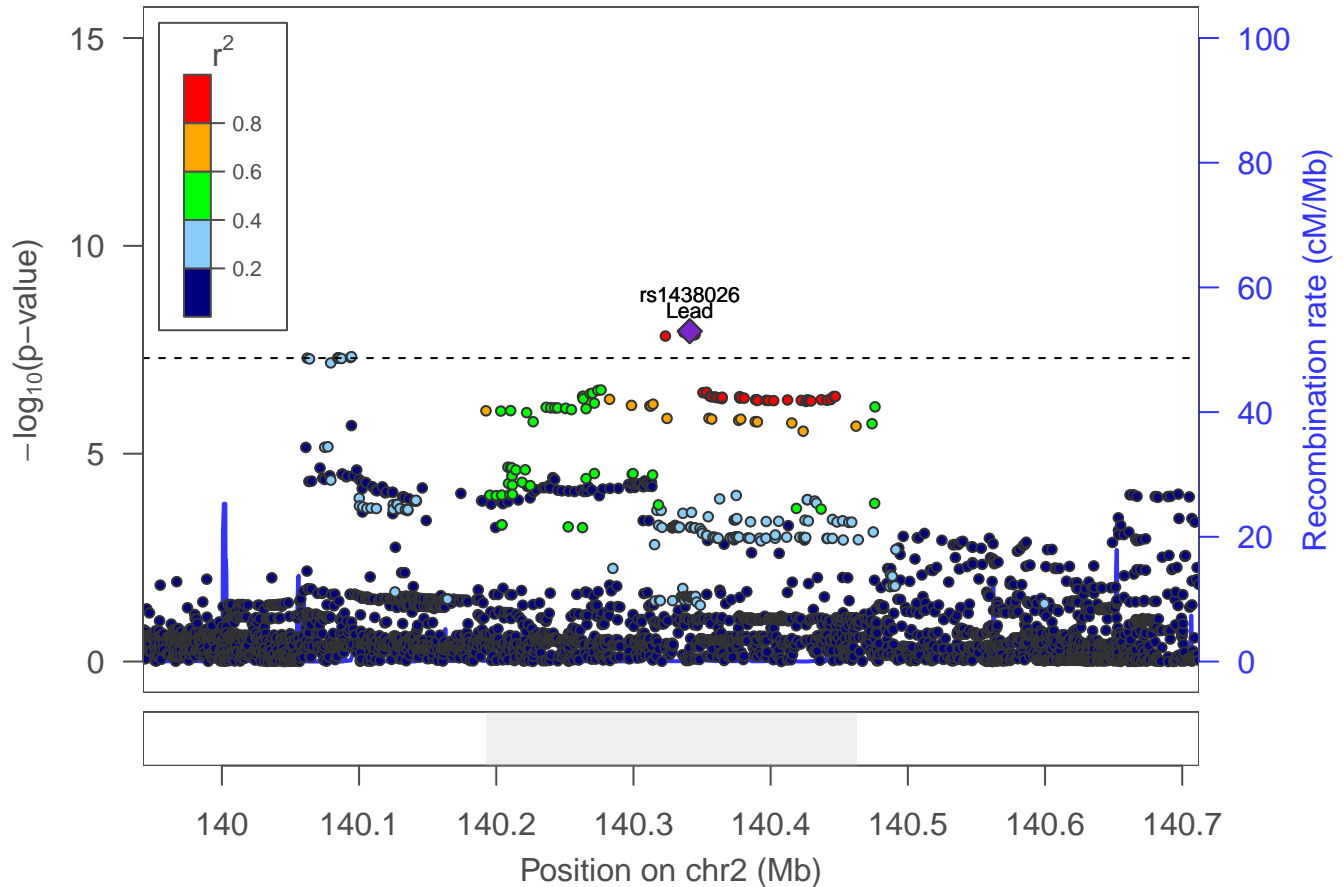
rs79339488 ▲
rs77915397 ●



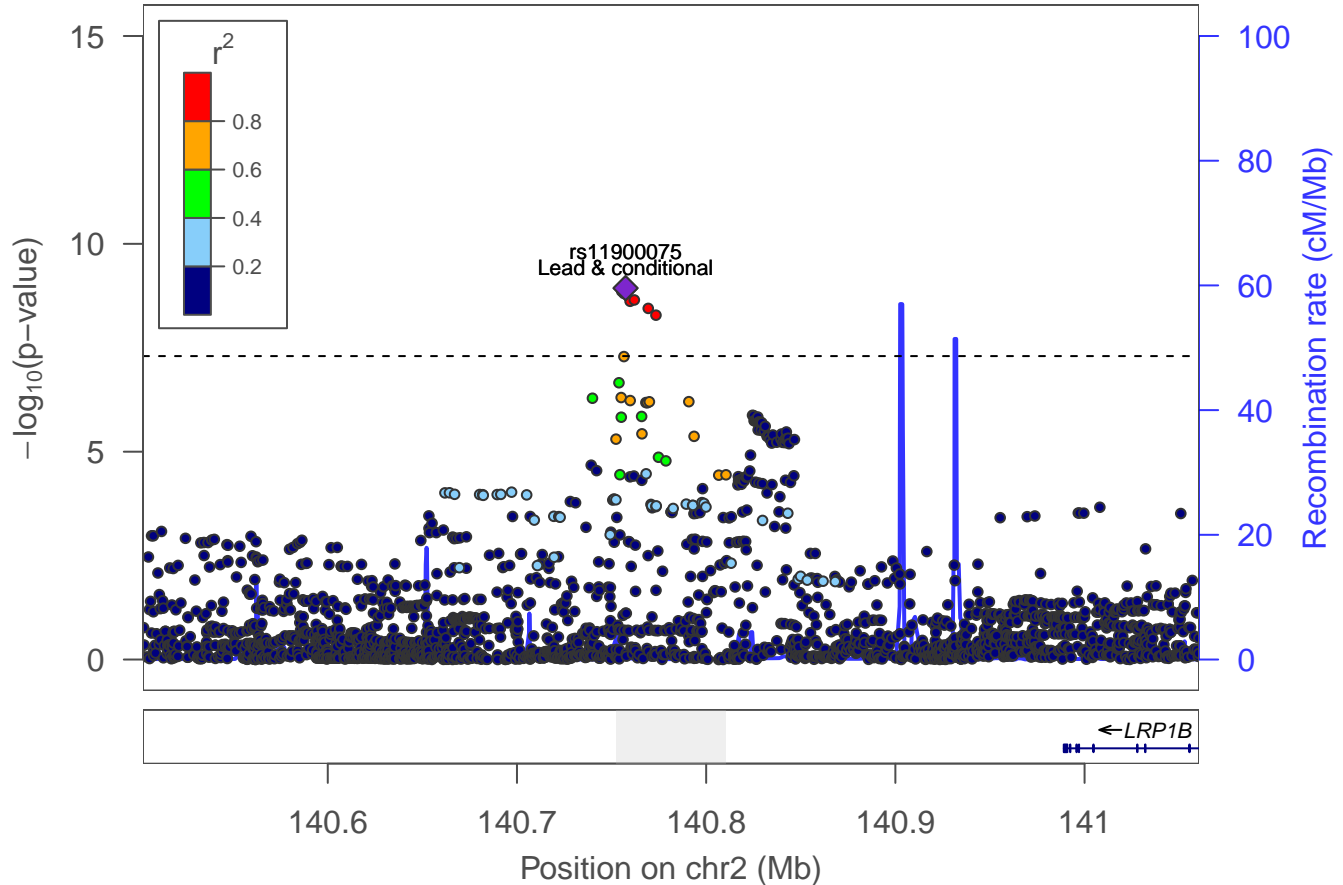
Adventurousness: locus 20 [chr 2:45.140–45.176Mb]



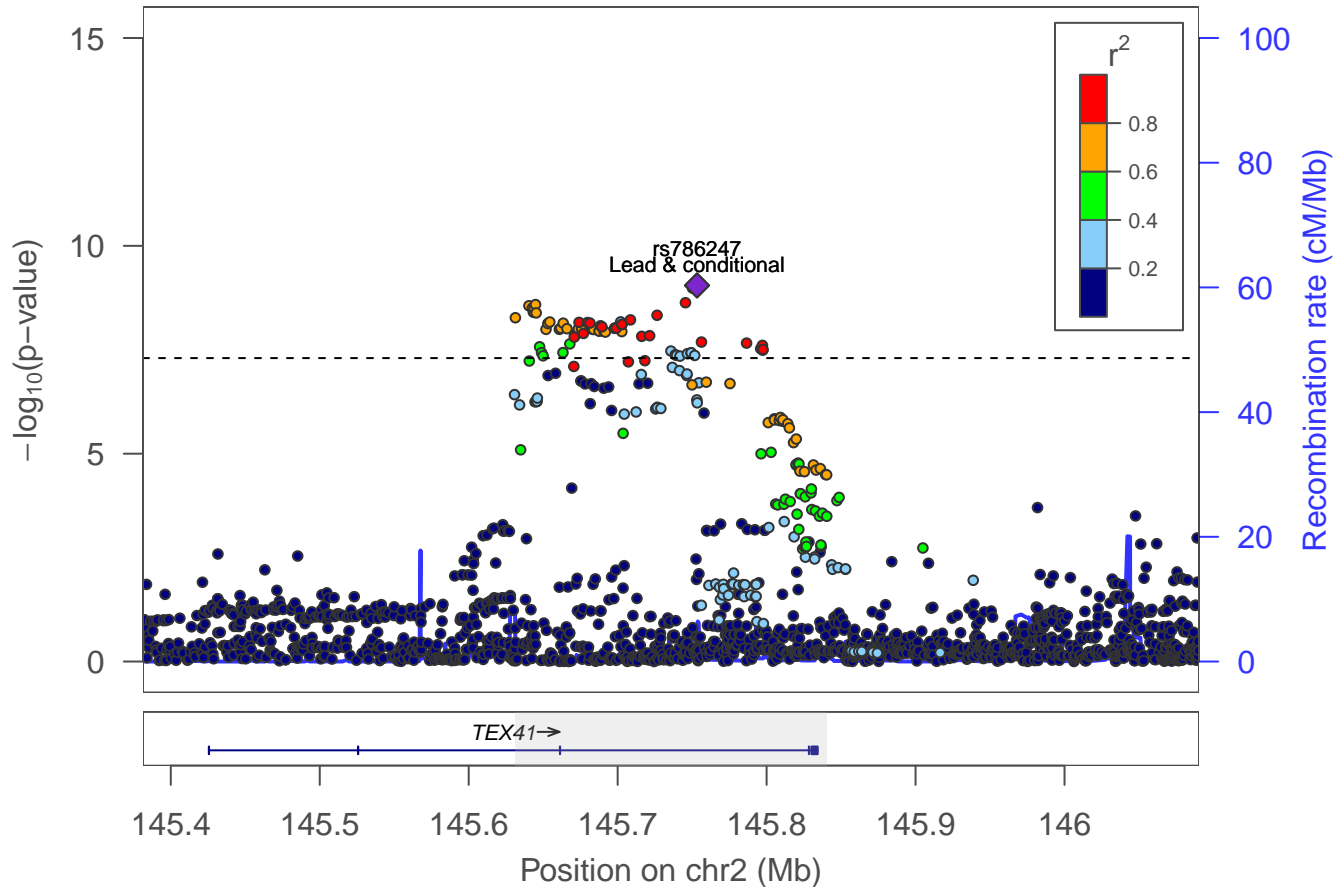
Adventurousness: locus 21 [chr 2:140.192–140.462Mb]



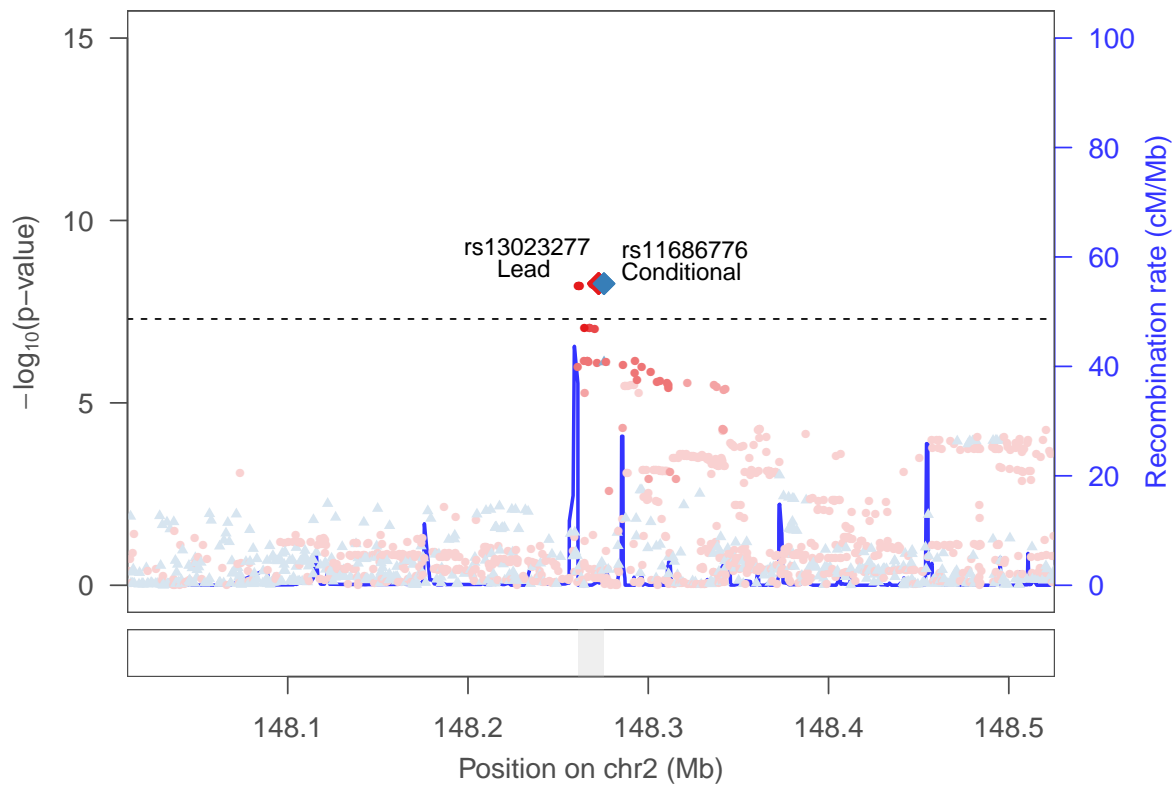
Adventurousness: locus 22 [chr 2:140.752–140.810Mb]



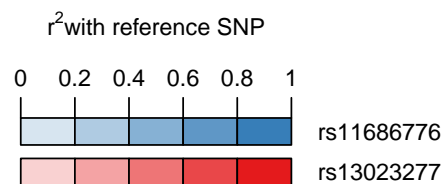
Adventurousness: locus 23 [chr 2:145.631–145.840Mb]



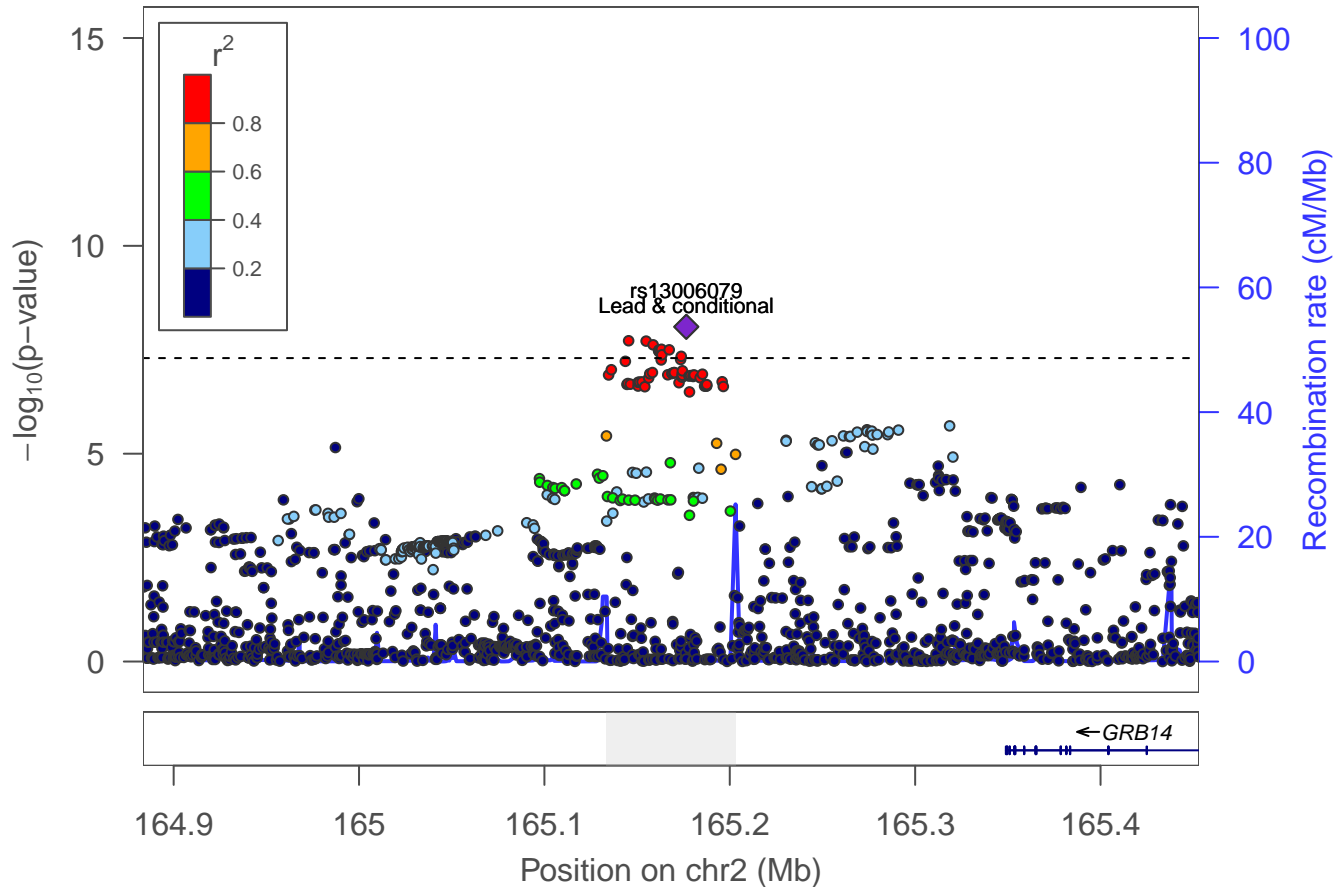
Adventurousness: Locus 24 [chr 2: 148.261–148.275Mb]



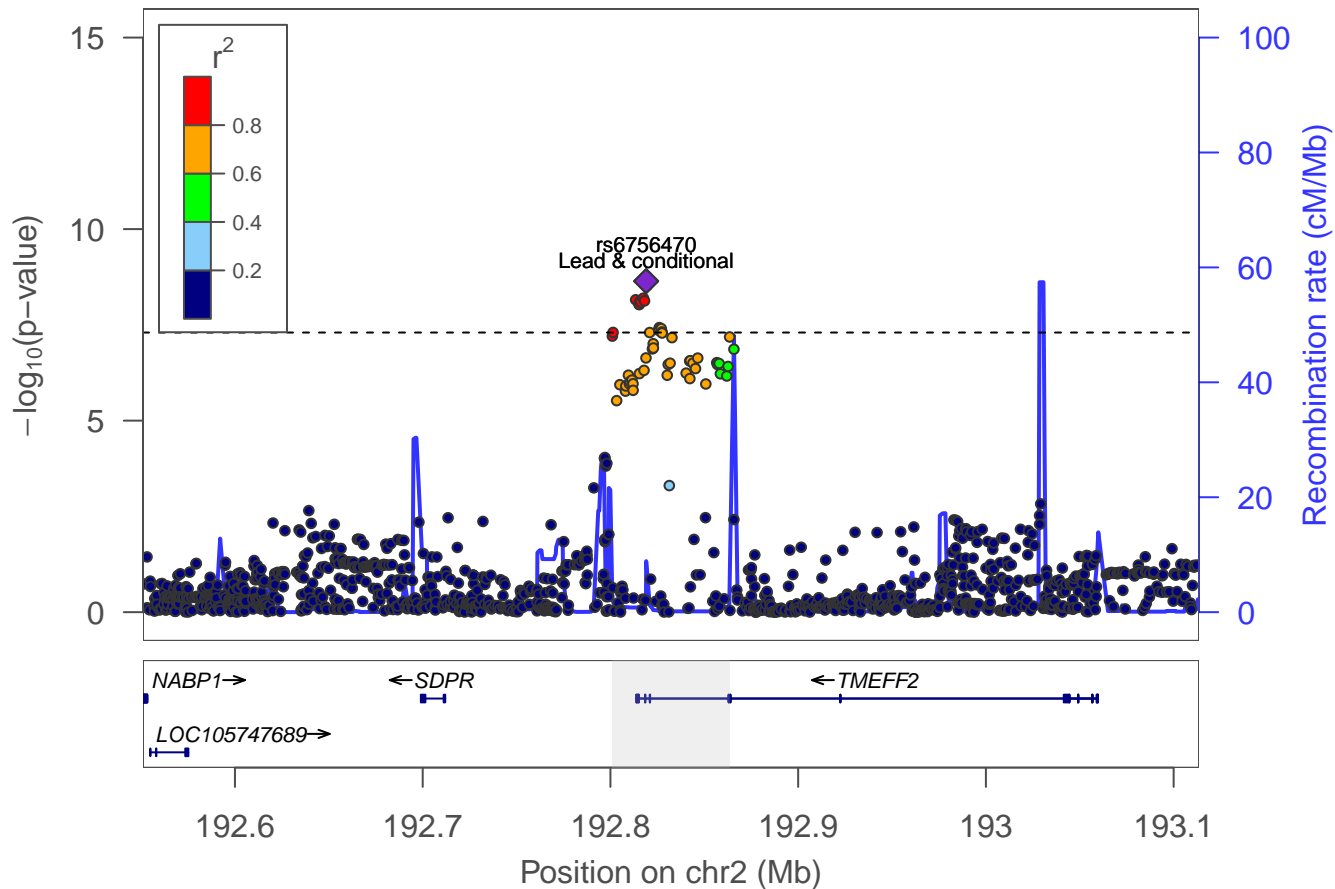
rs11686776 ▲
rs13023277 ●



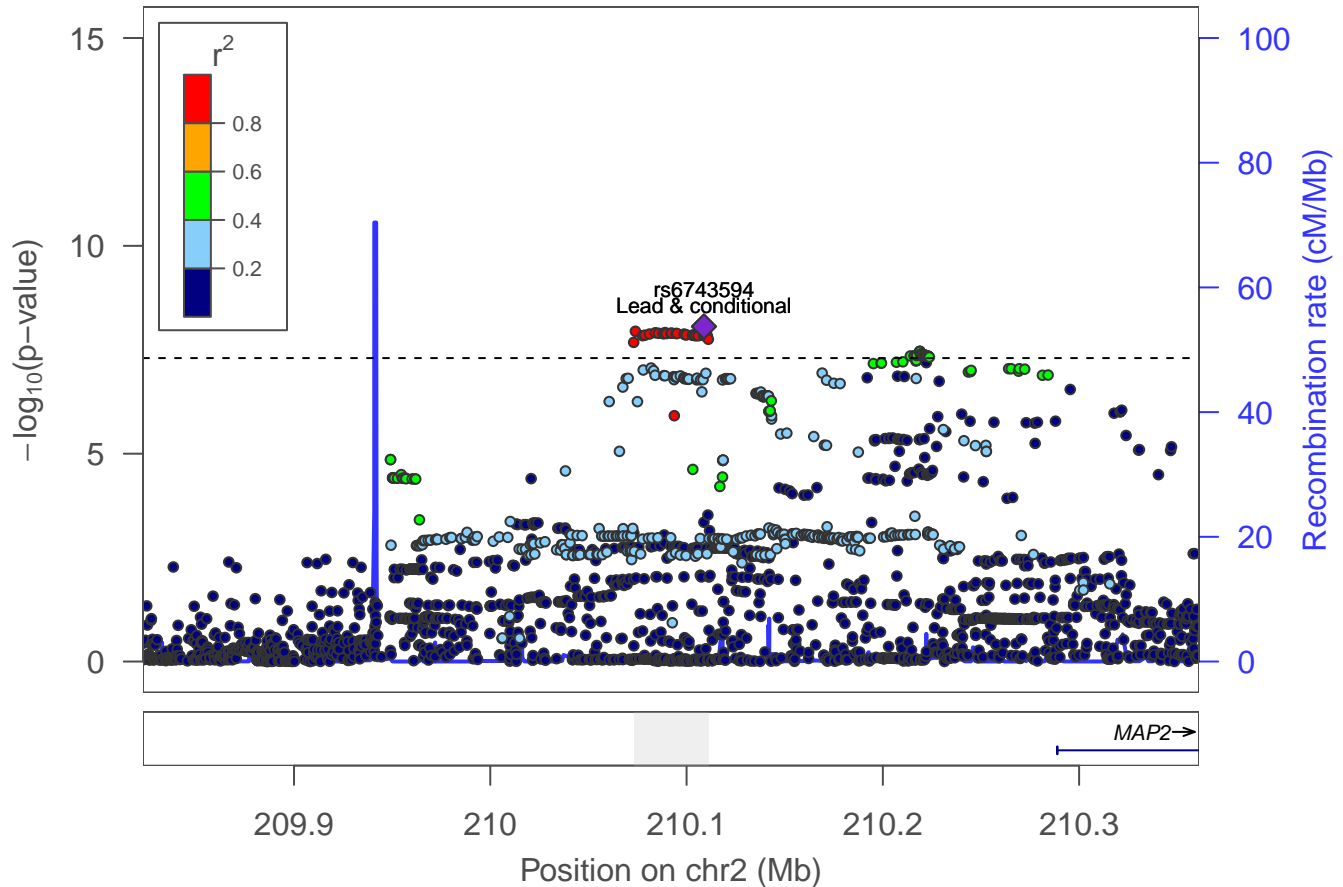
Adventurousness: locus 25 [chr 2:165.133–165.203Mb]



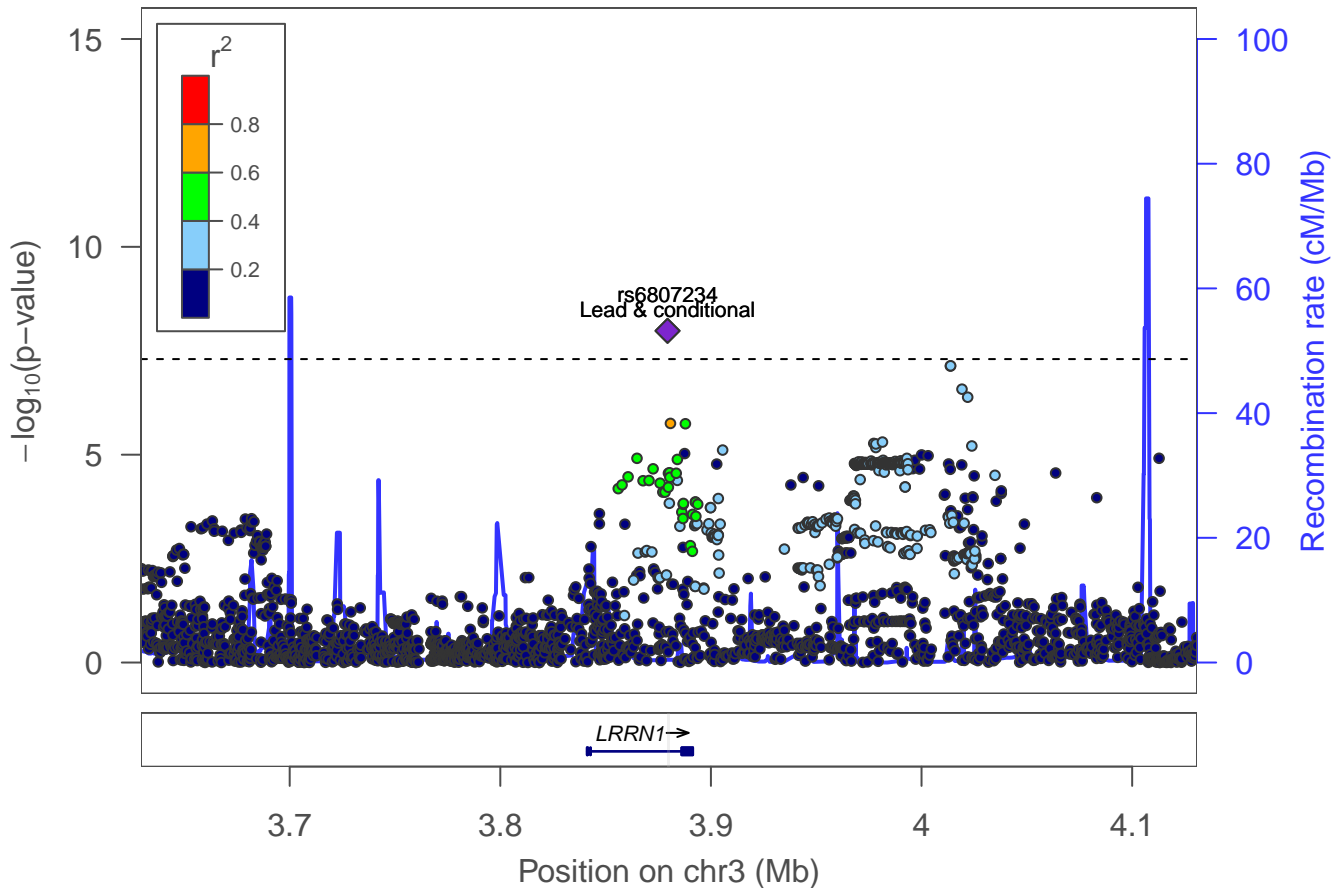
Adventurousness: locus 26 [chr 2:192.801–192.864Mb]



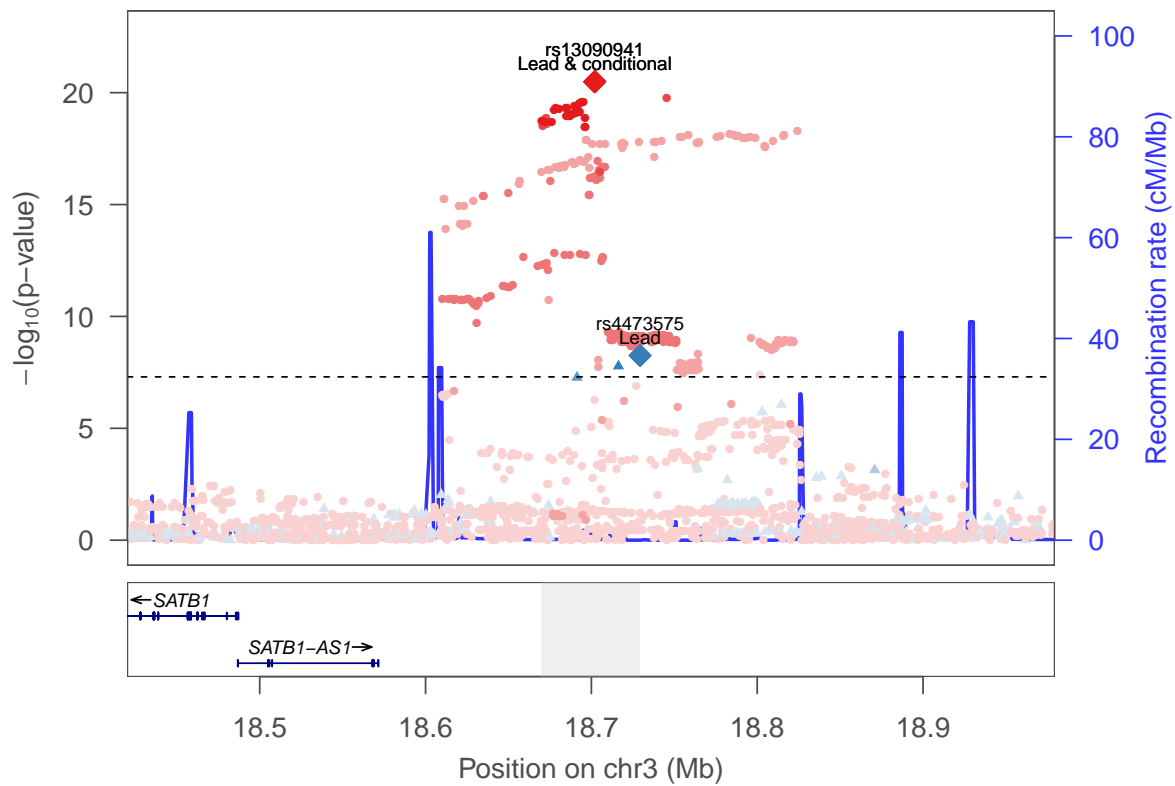
Adventurousness: locus 27 [chr 2:210.073–210.111Mb]



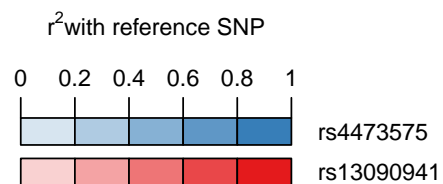
Adventurousness: locus 28 [chr 3:3.879–3.881Mb]



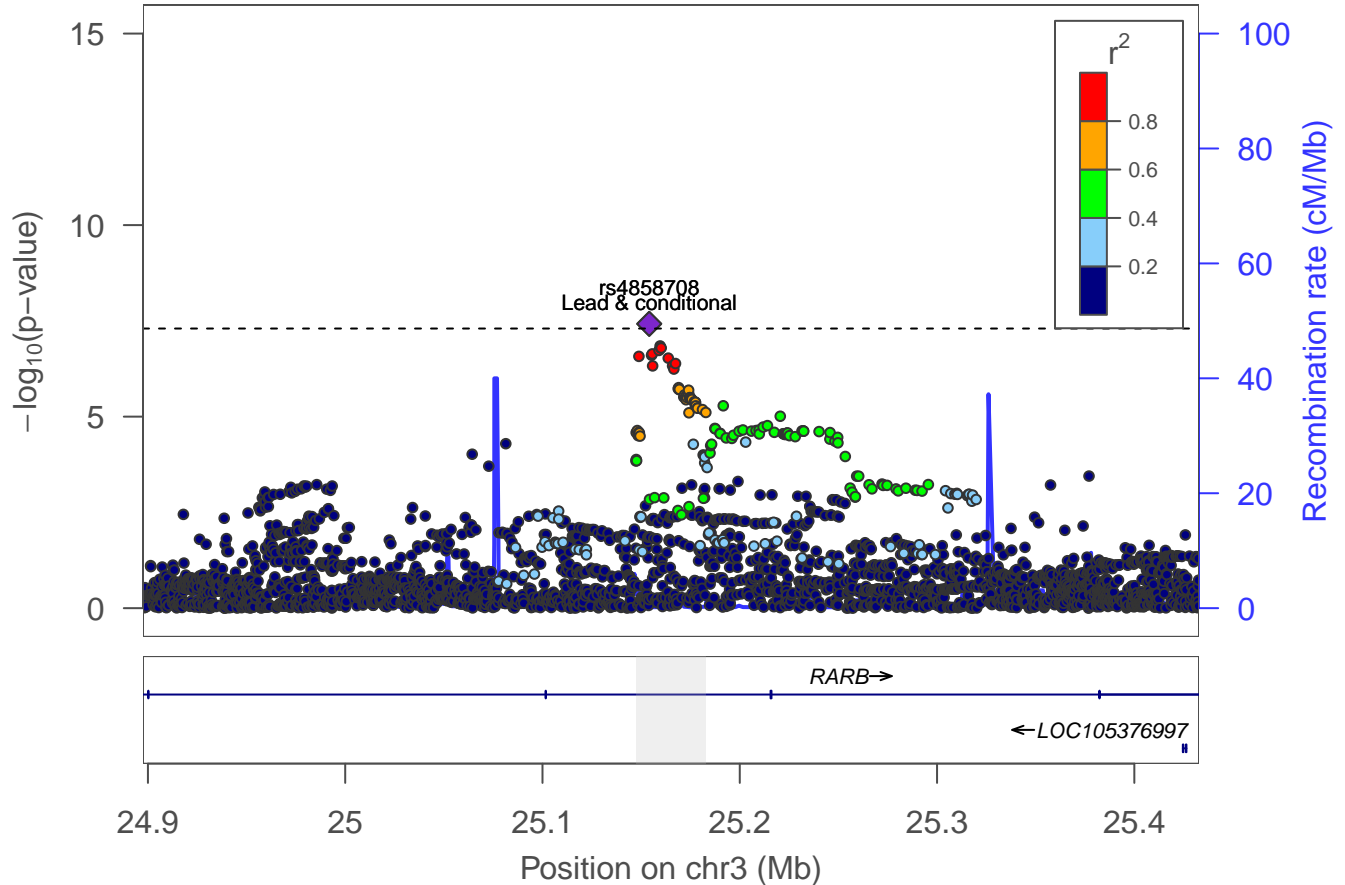
Adventurousness: Locus 29 [chr 3: 18.670–18.729Mb]



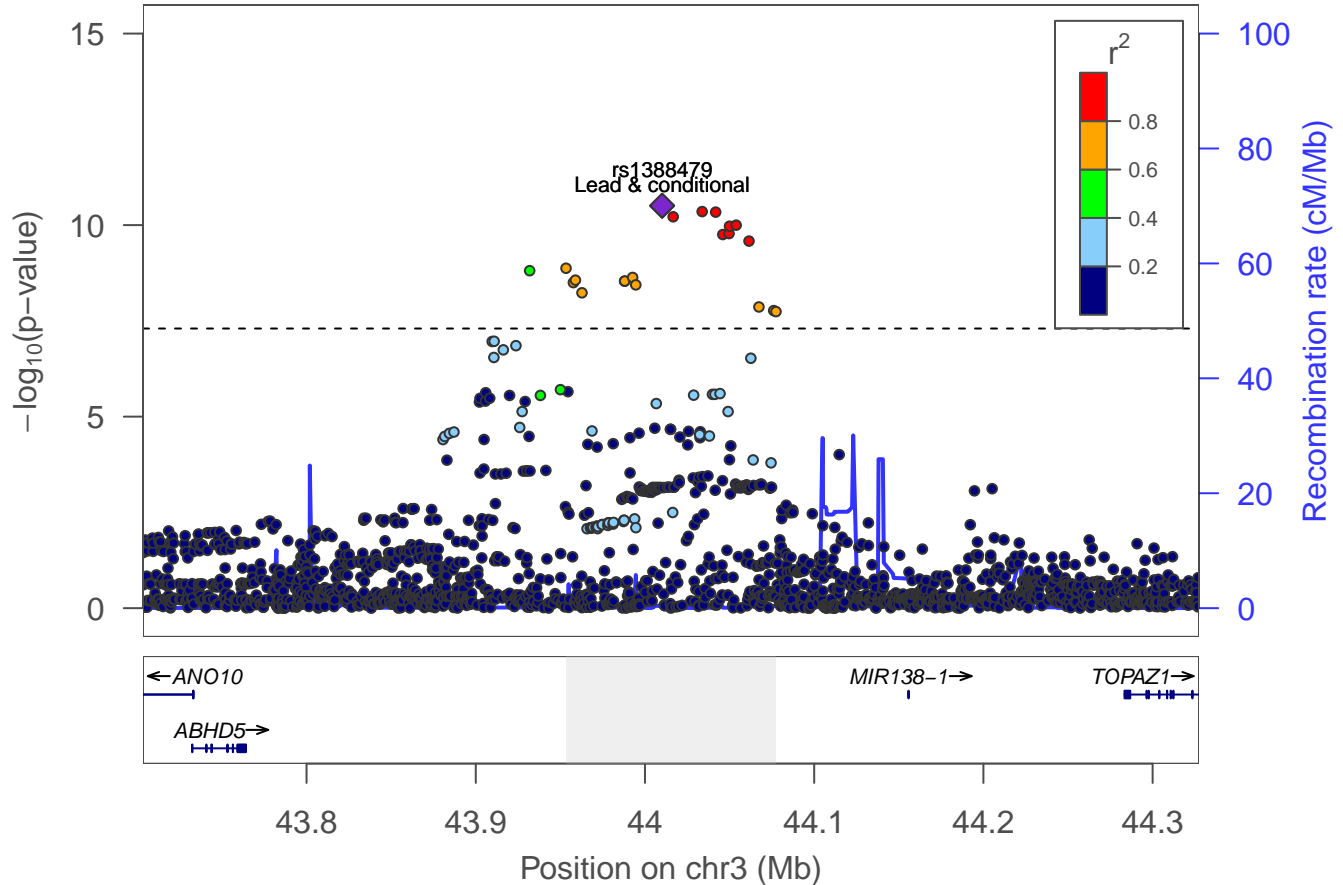
rs4473575 ▲
rs13090941 ●



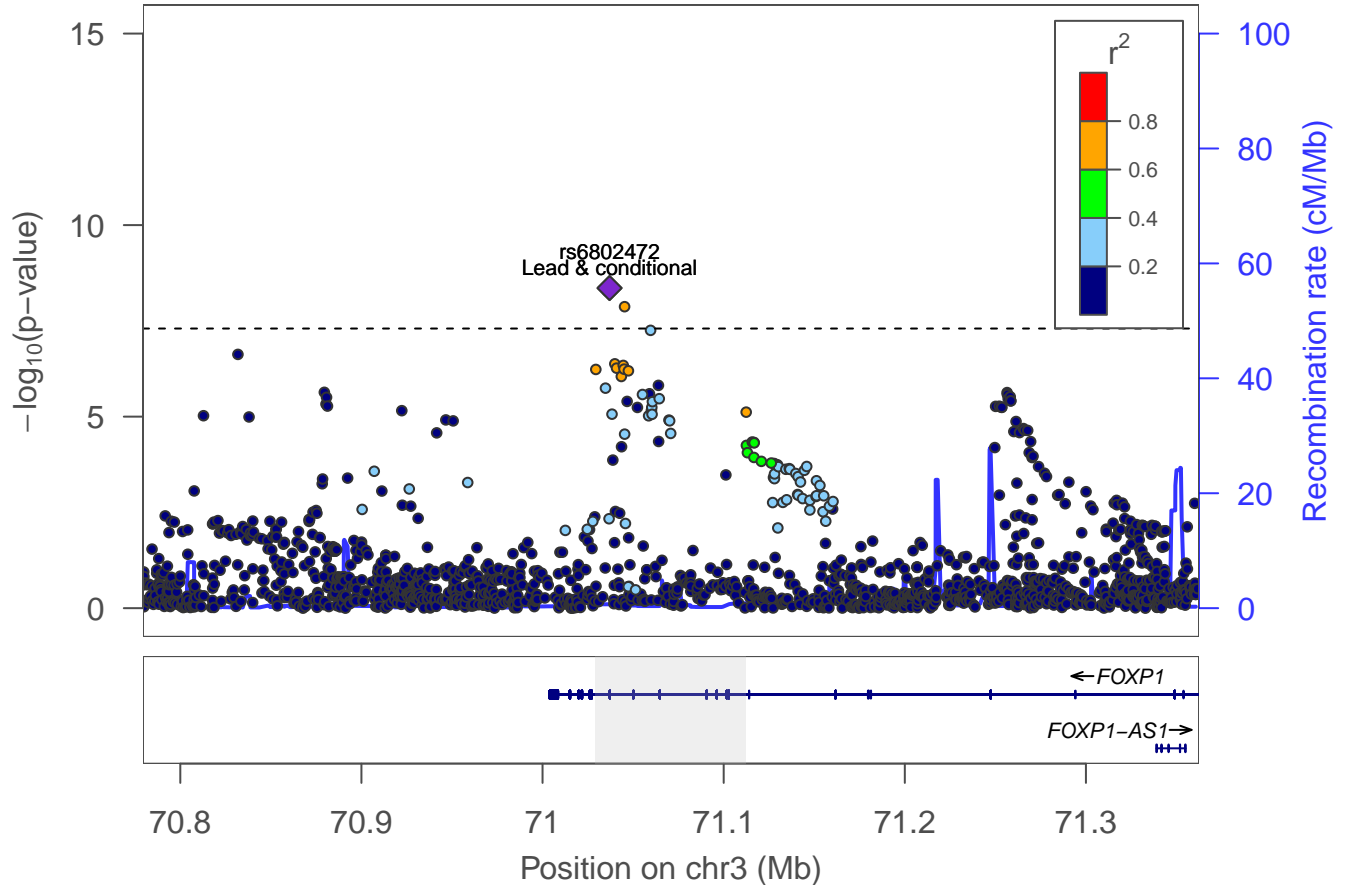
Adventurousness: locus 30 [chr 3:25.147–25.183Mb]



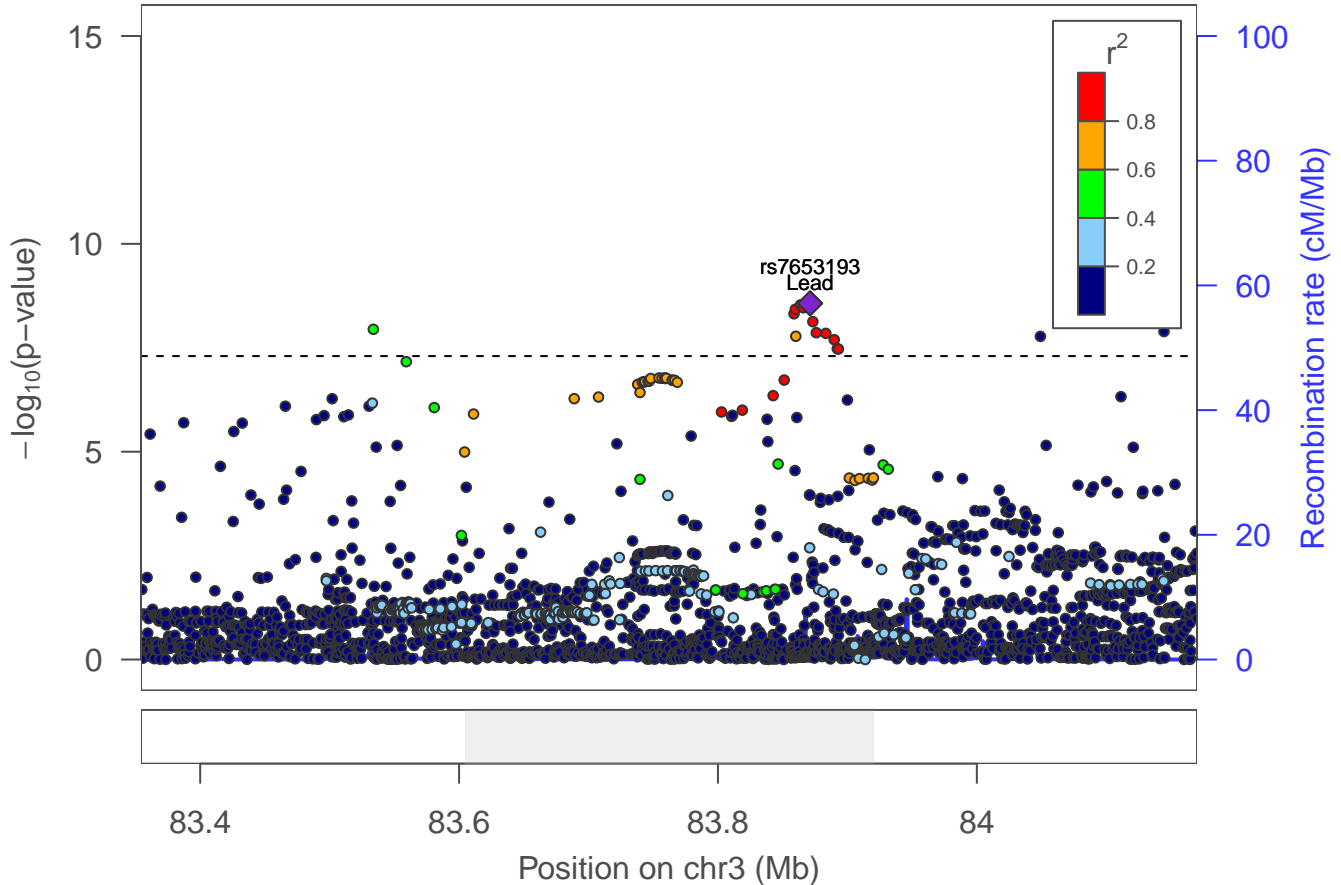
Adventurousness: locus 31 [chr 3:43.953–44.077Mb]



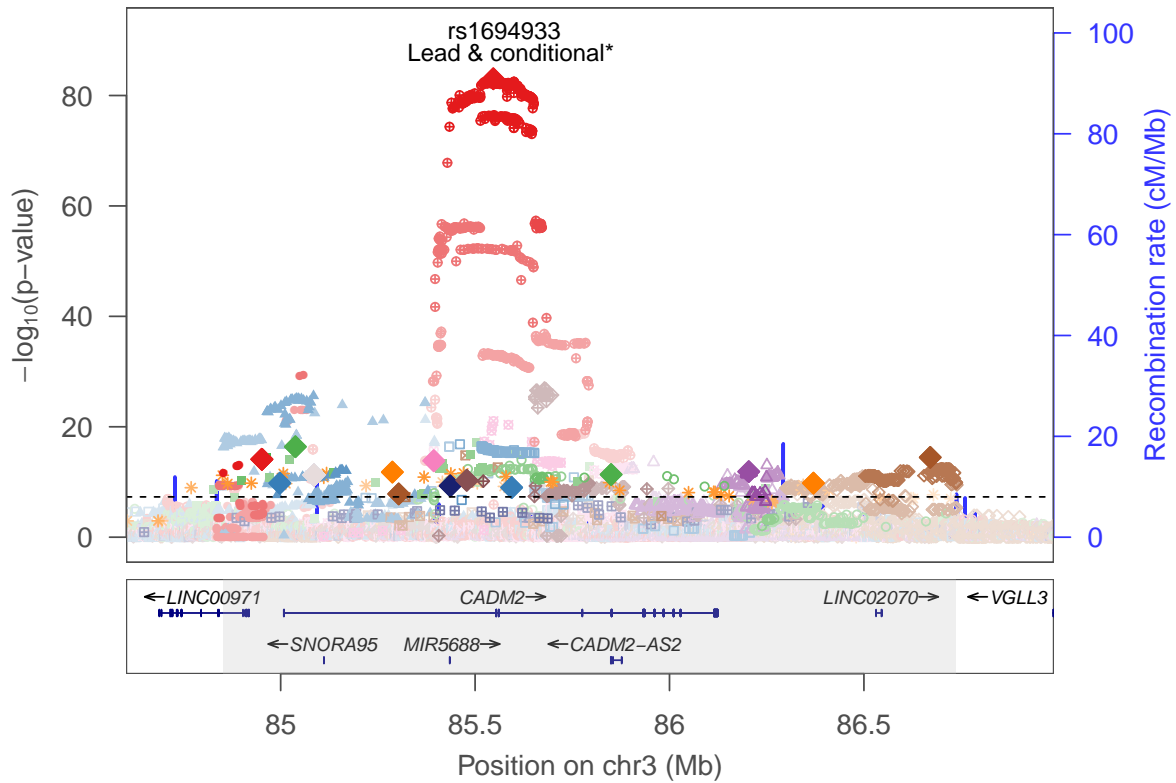
Adventurousness: locus 32 [chr 3:71.029–71.112Mb]



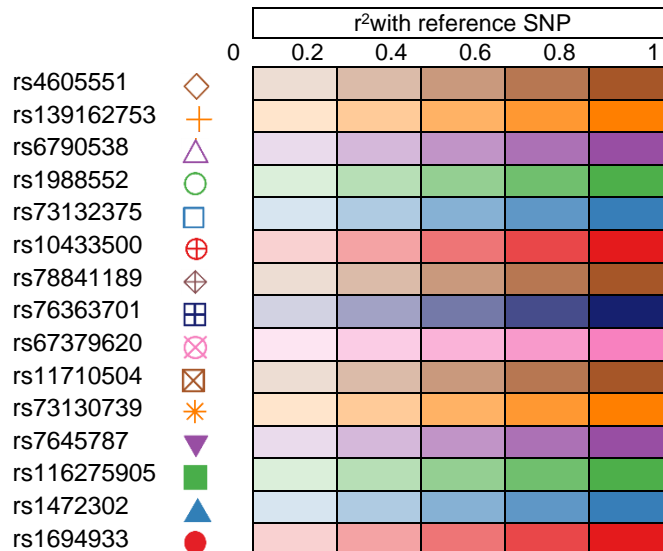
Adventurousness: locus 33 [chr 3:83.604–83.920Mb]



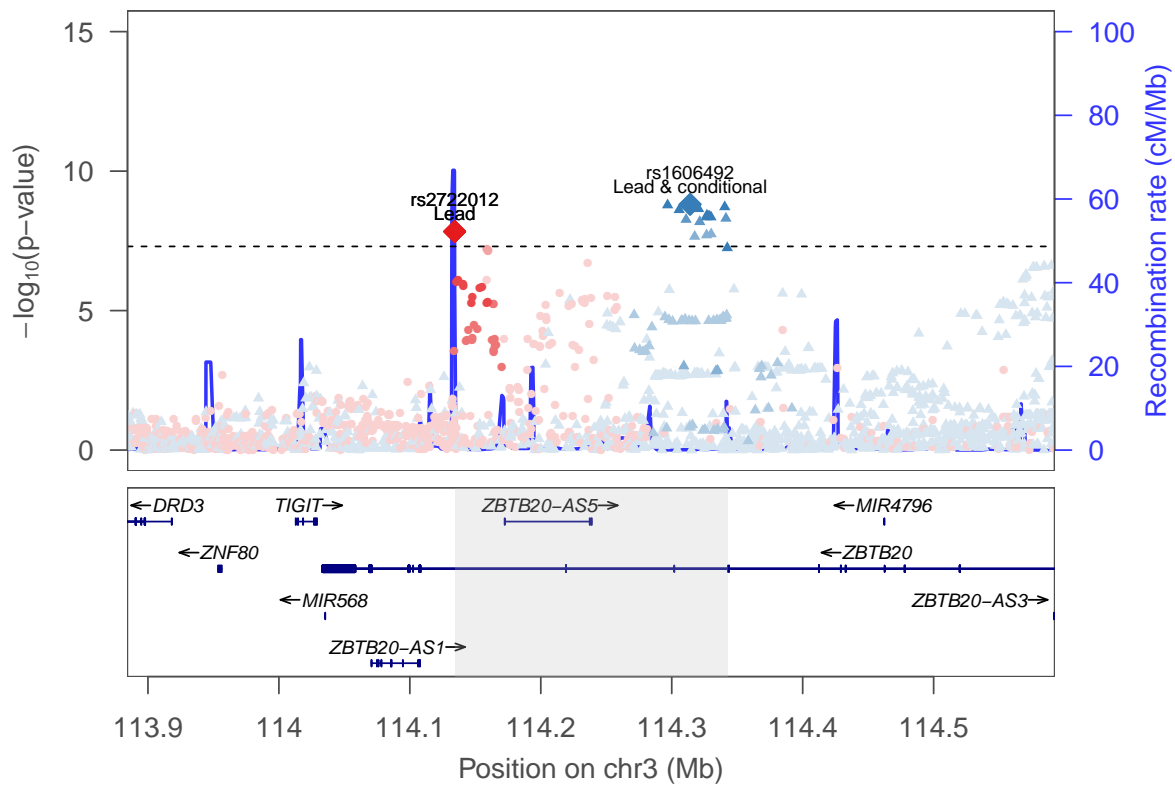
Adventurousness: Locus 34 [chr 3: 84.853–86.738Mb]



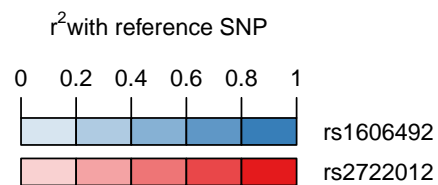
*All other reference SNPs are Lead SNPs only.



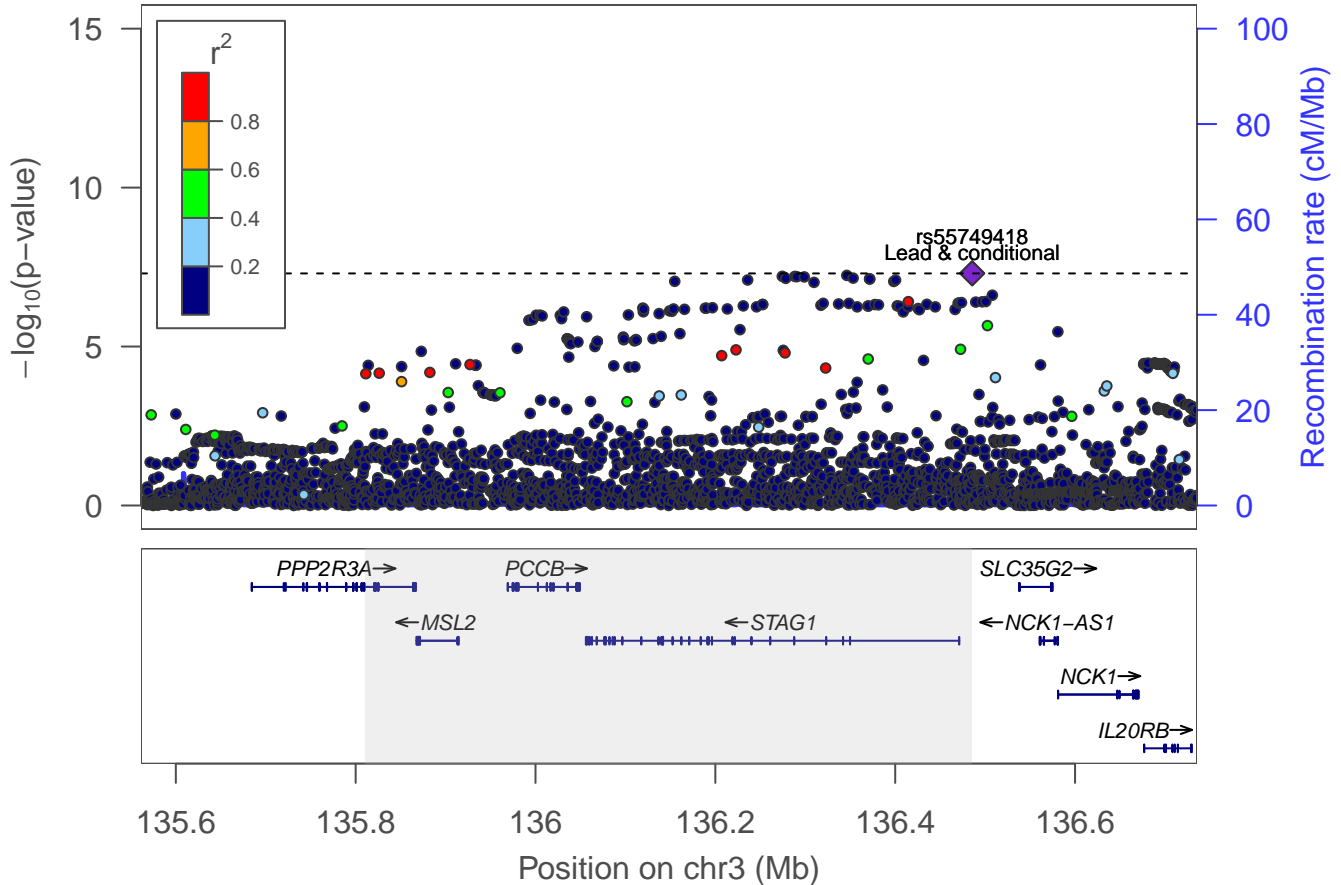
Adventurousness: Locus 35 [chr 3: 114.134–114.342Mb]



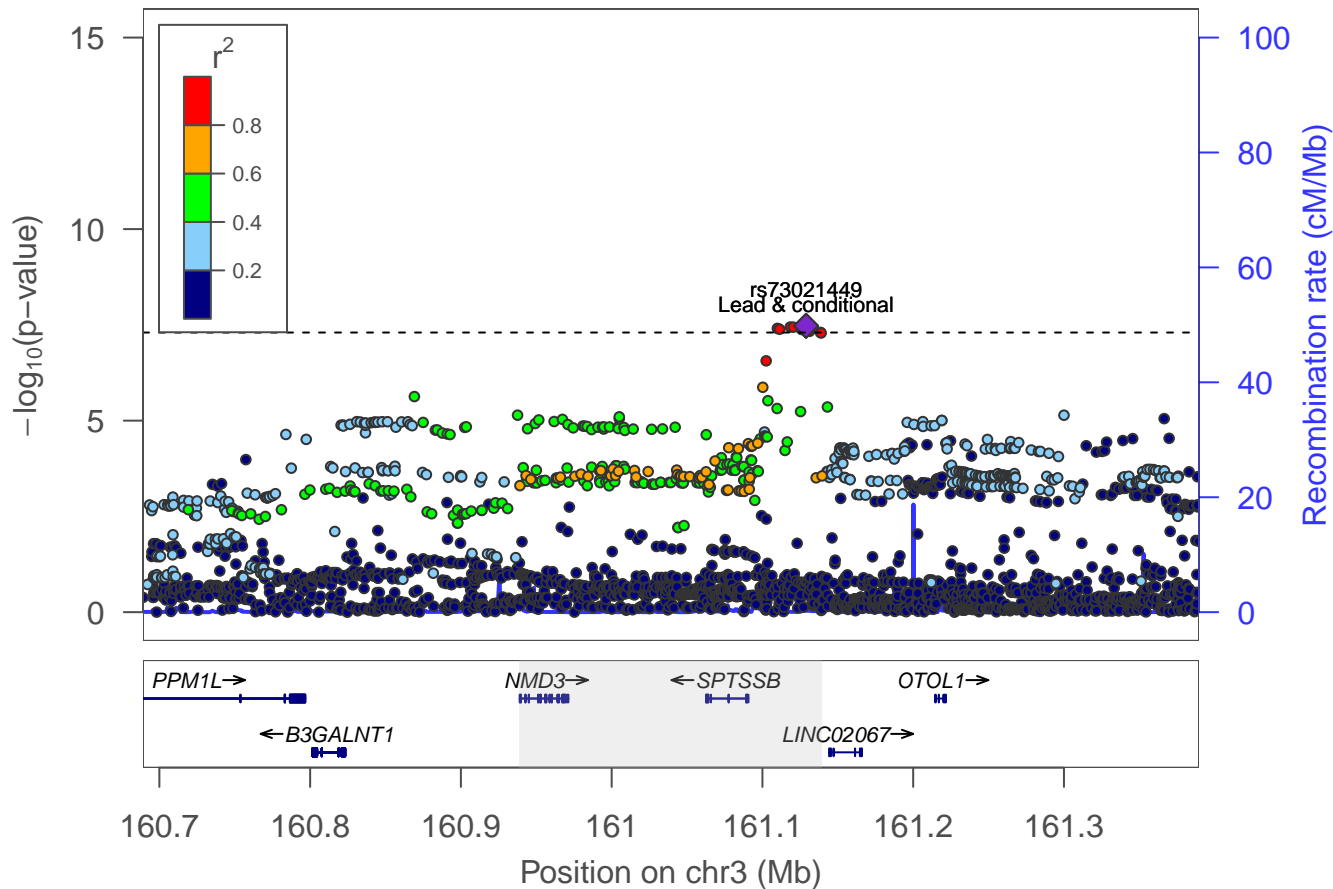
rs1606492 ▲
rs2722012 ●



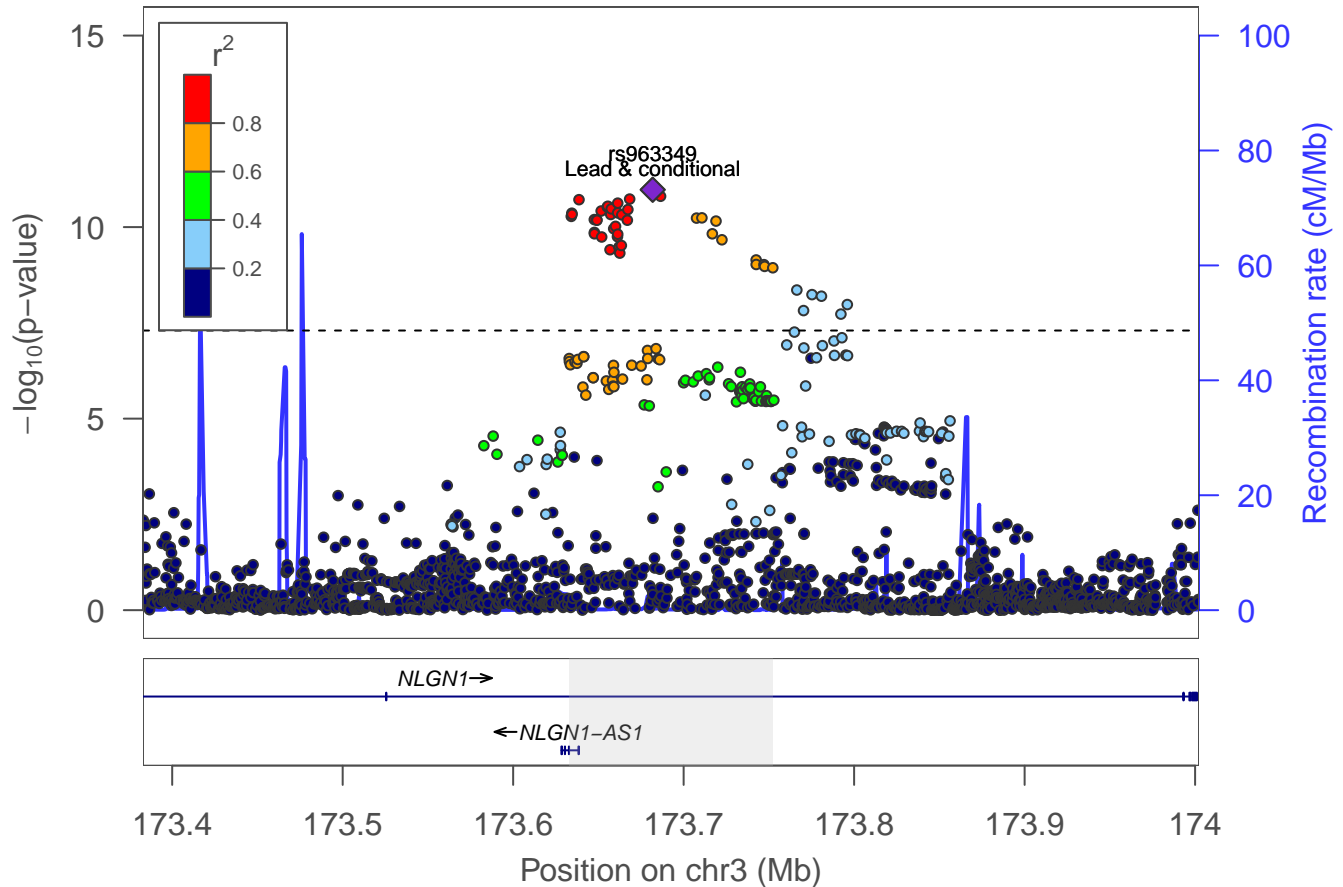
Adventurousness: locus 36 [chr 3:135.811–136.486Mb]



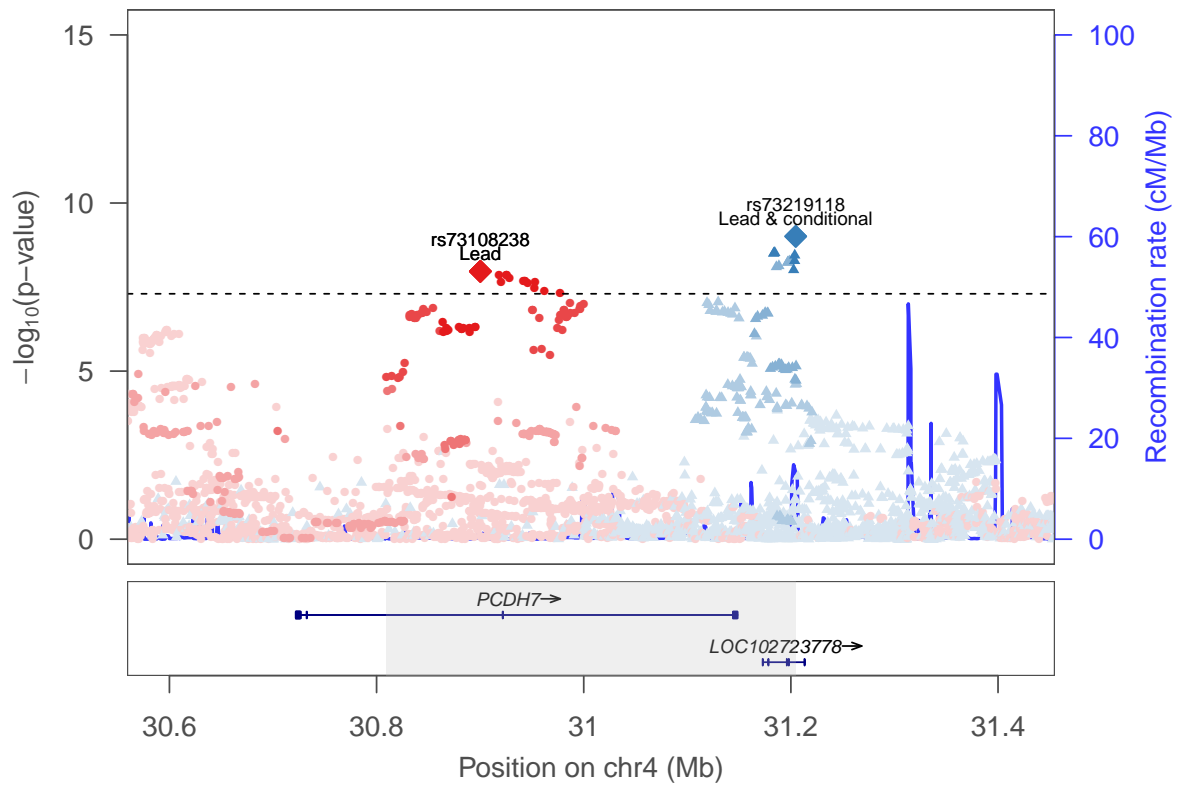
Adventurousness: locus 37 [chr 3:160.939–161.140Mb]



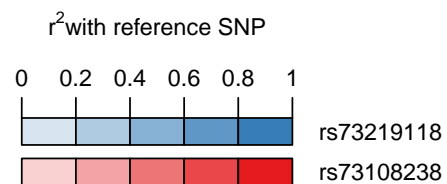
Adventurousness: locus 38 [chr 3:173.633–173.752Mb]



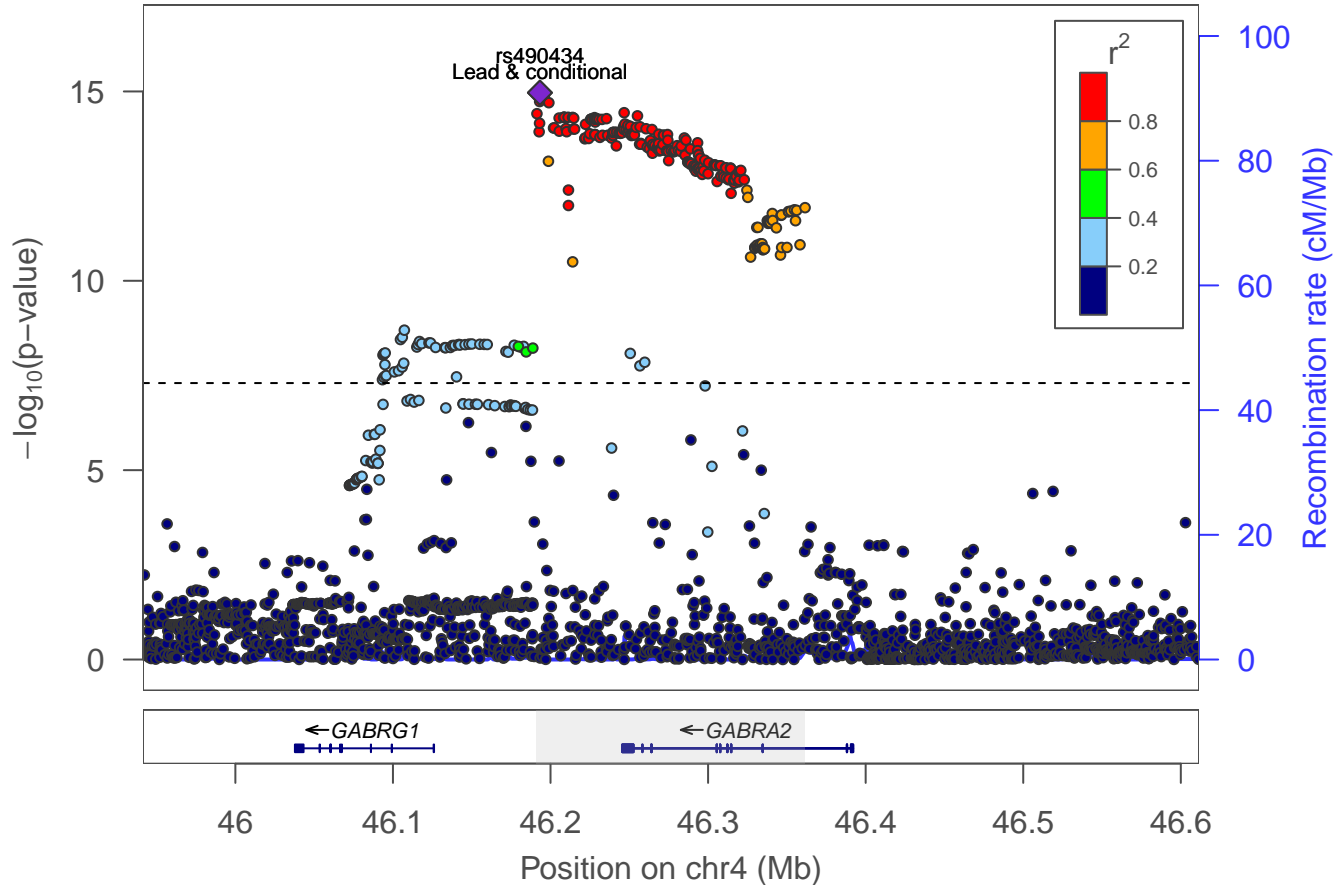
Adventurousness: Locus 39 [chr 4: 30.809–31.205Mb]



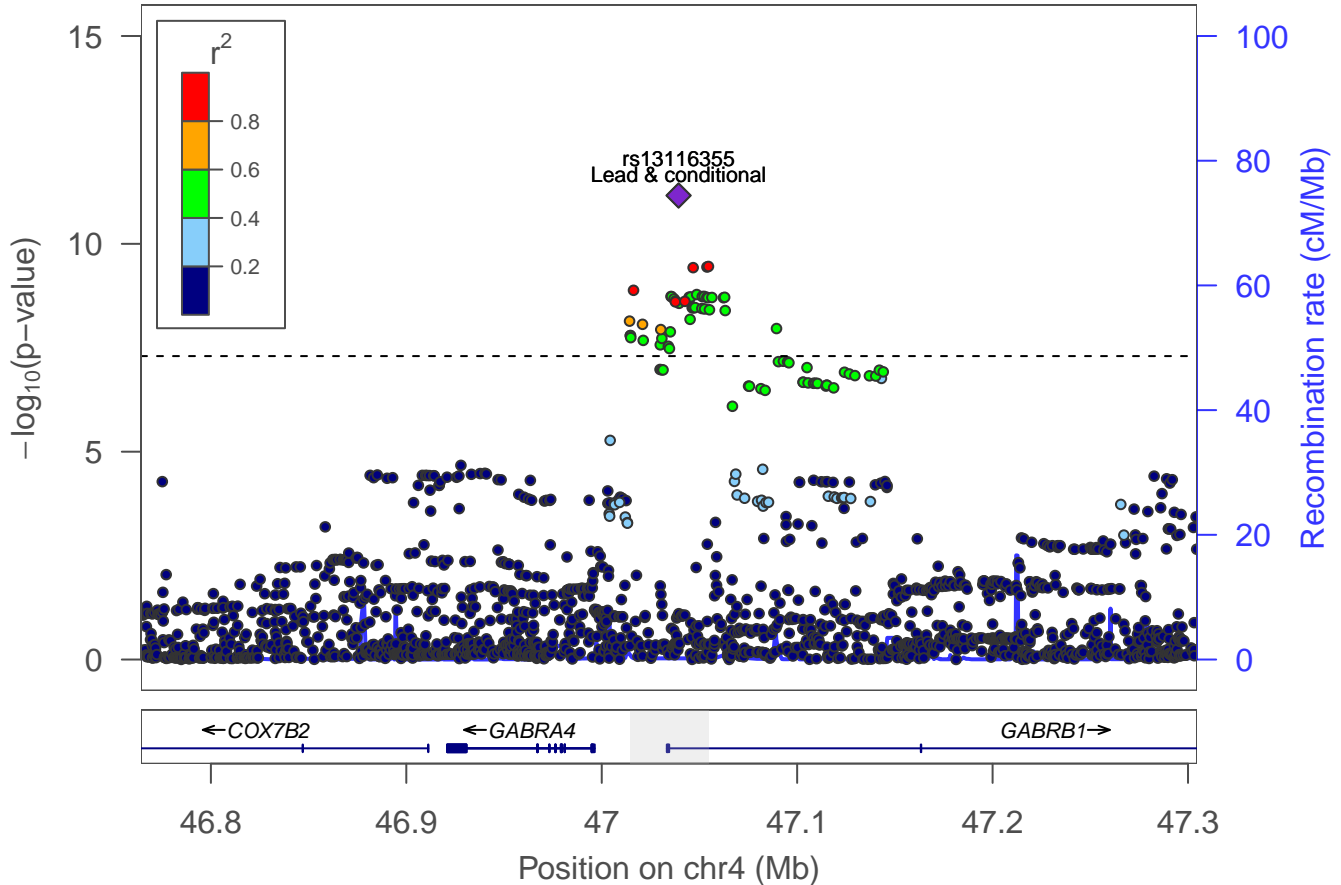
rs73219118 ▲
rs73108238 ●



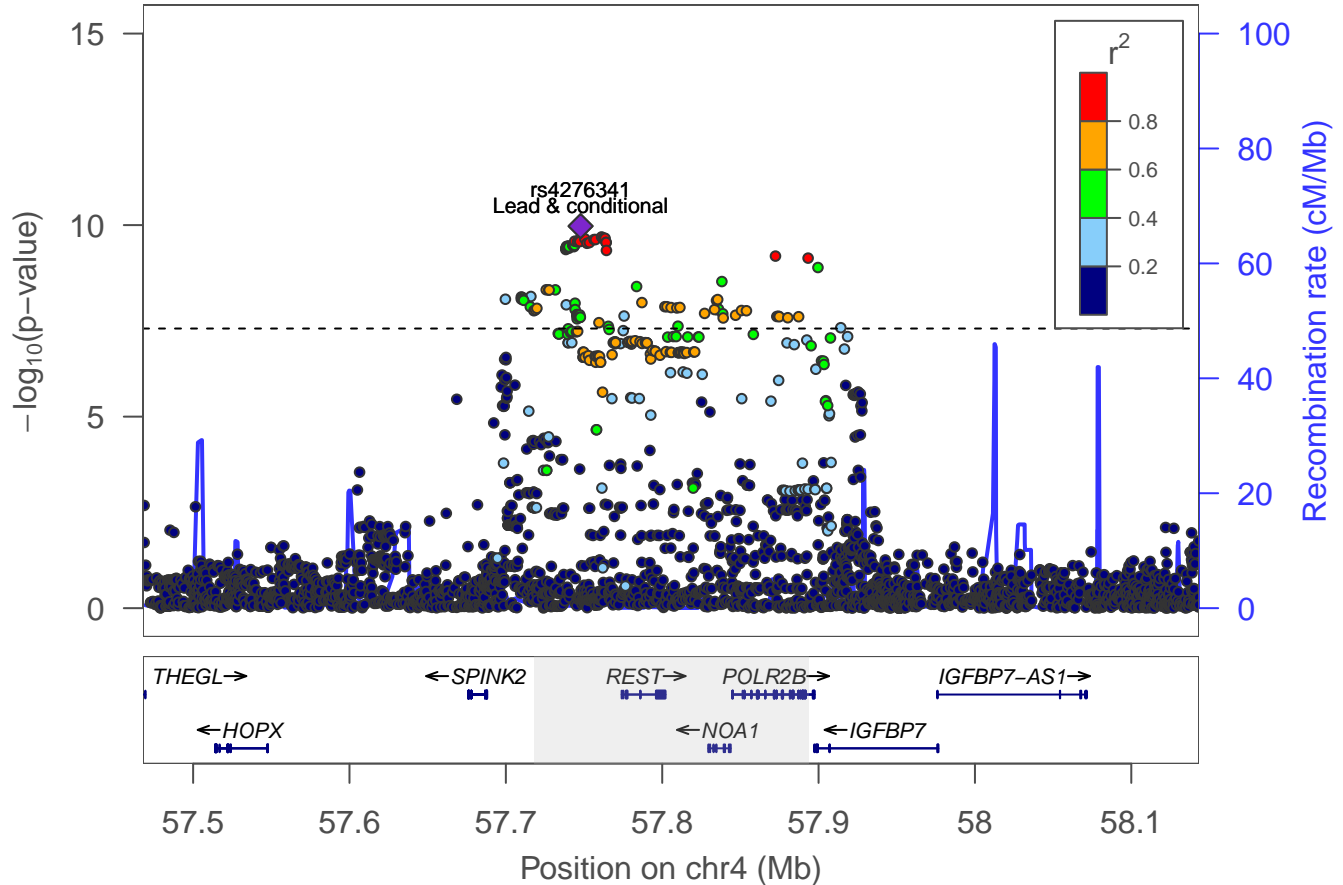
Adventurousness: locus 40 [chr 4:46.191–46.362Mb]



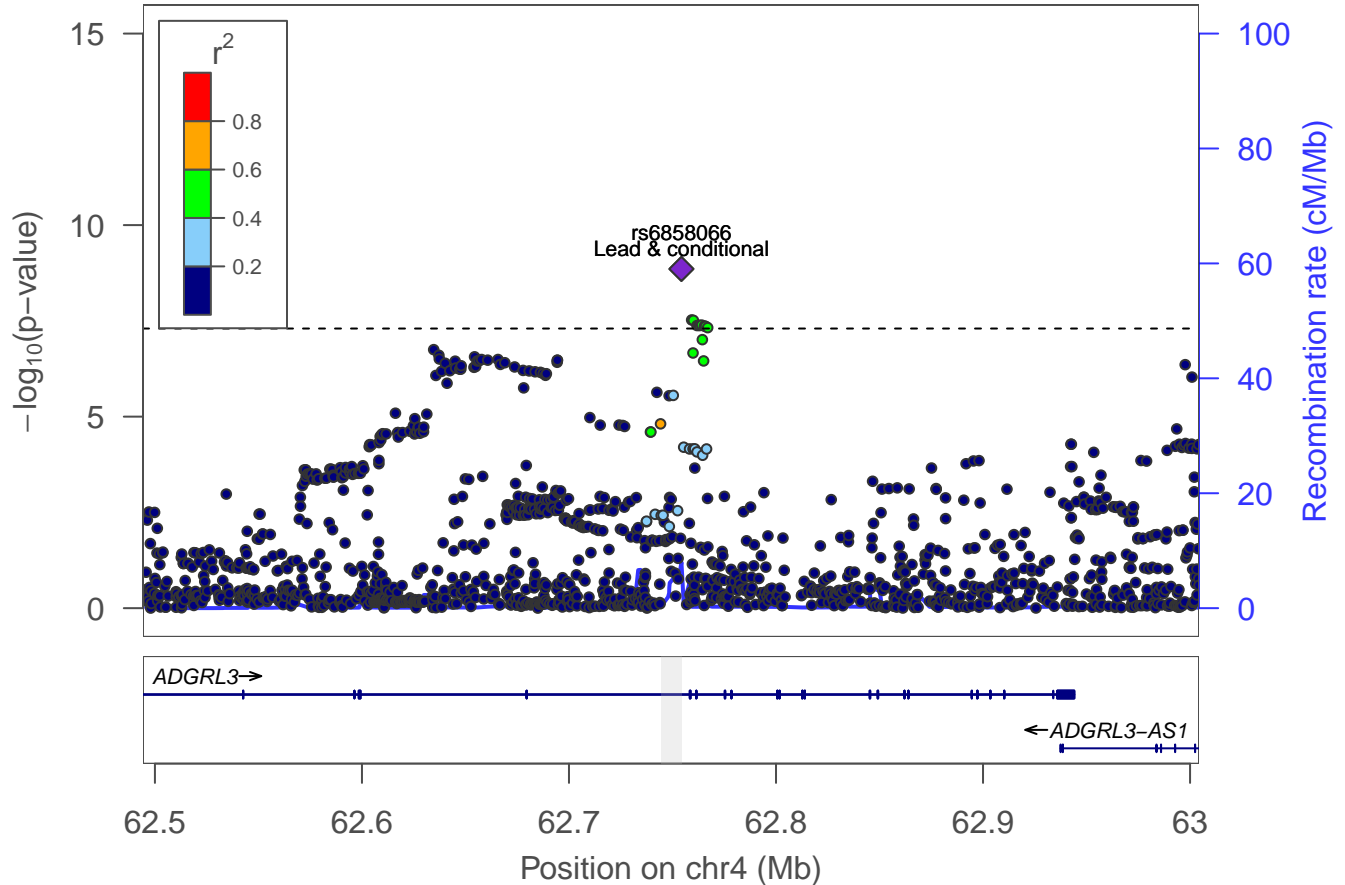
Adventurousness: locus 41 [chr 4:47.014–47.055Mb]



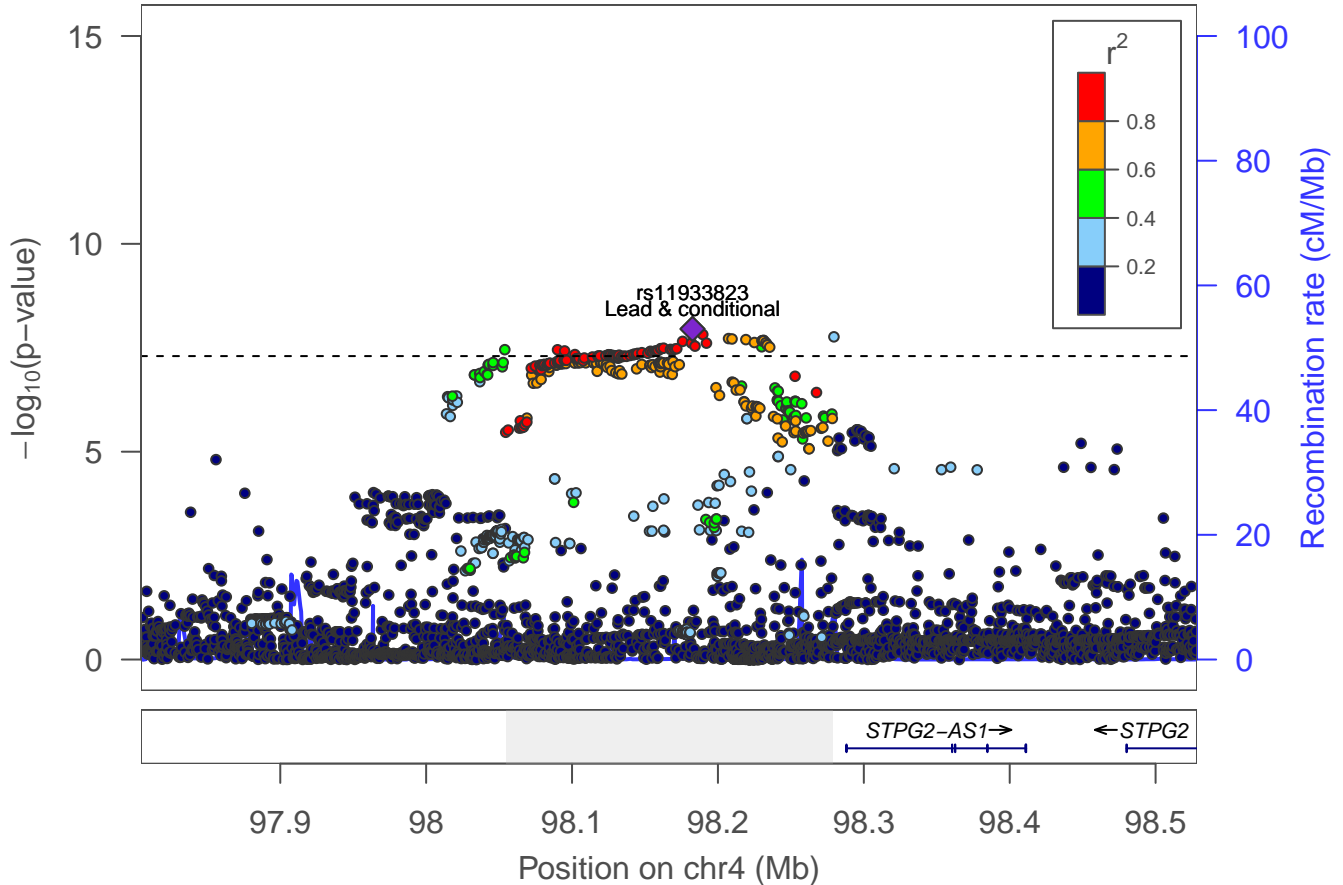
Adventurousness: locus 42 [chr 4:57.718–57.893Mb]



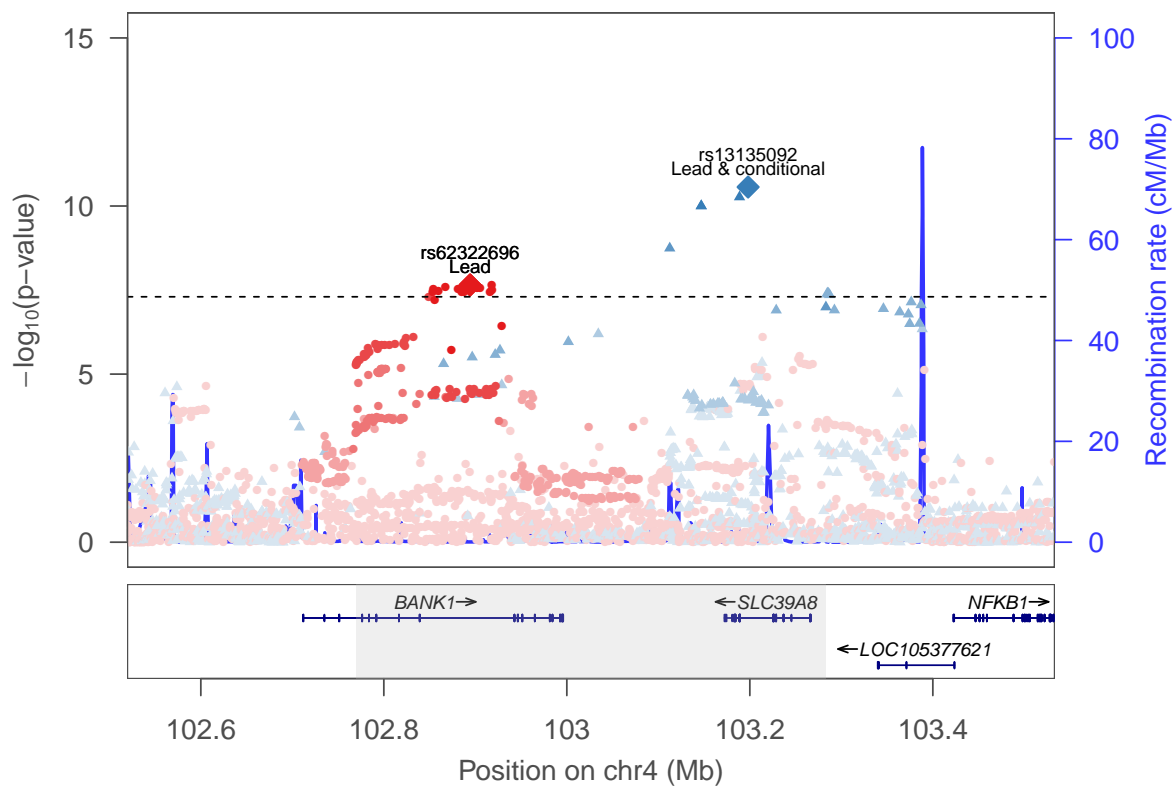
Adventurousness: locus 43 [chr 4:62.744–62.754Mb]



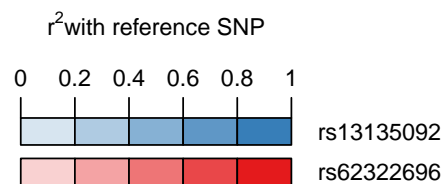
Adventurousness: locus 44 [chr 4:98.055–98.278Mb]



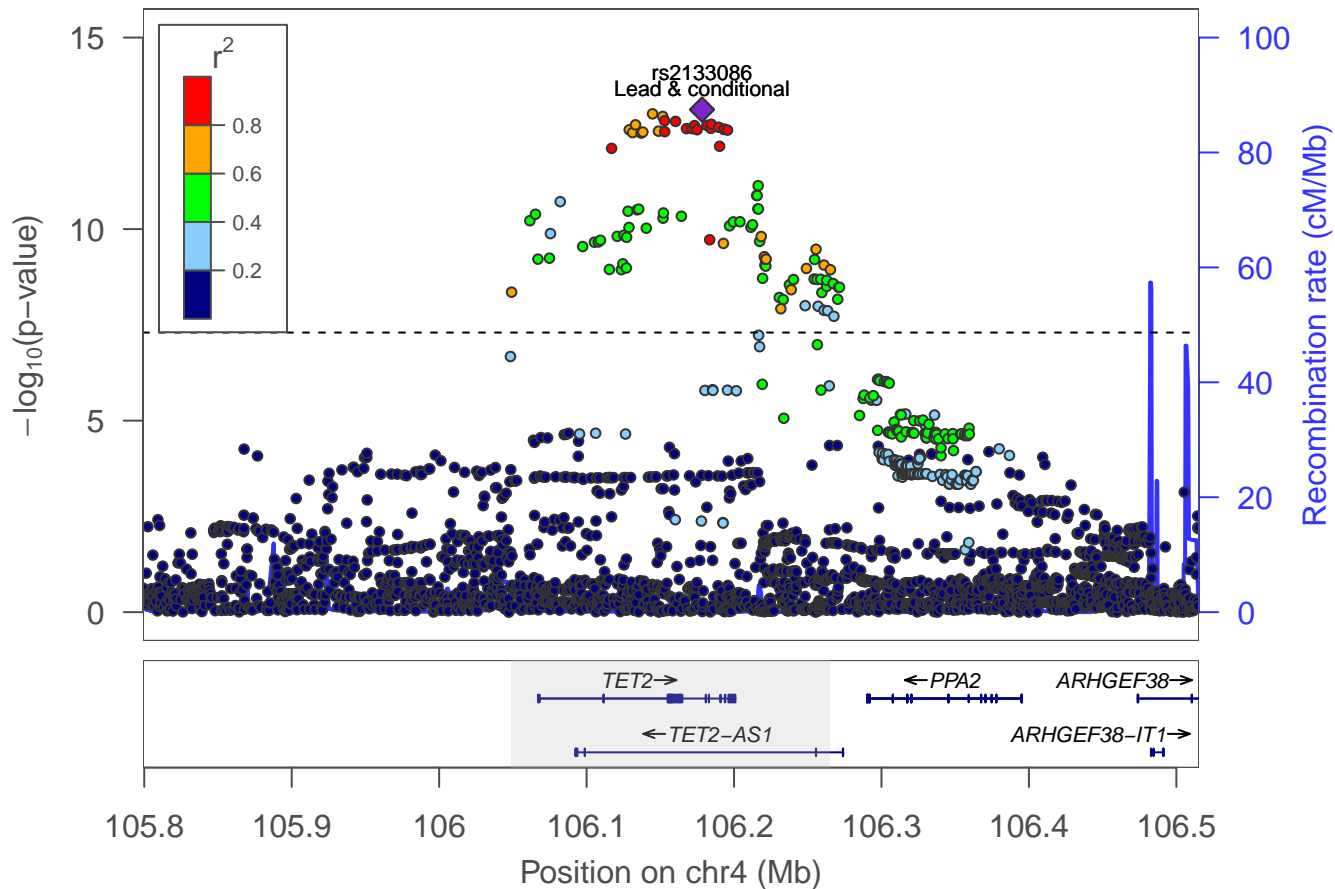
Adventurousness: Locus 45 [chr 4: 102.770–103.283Mb]



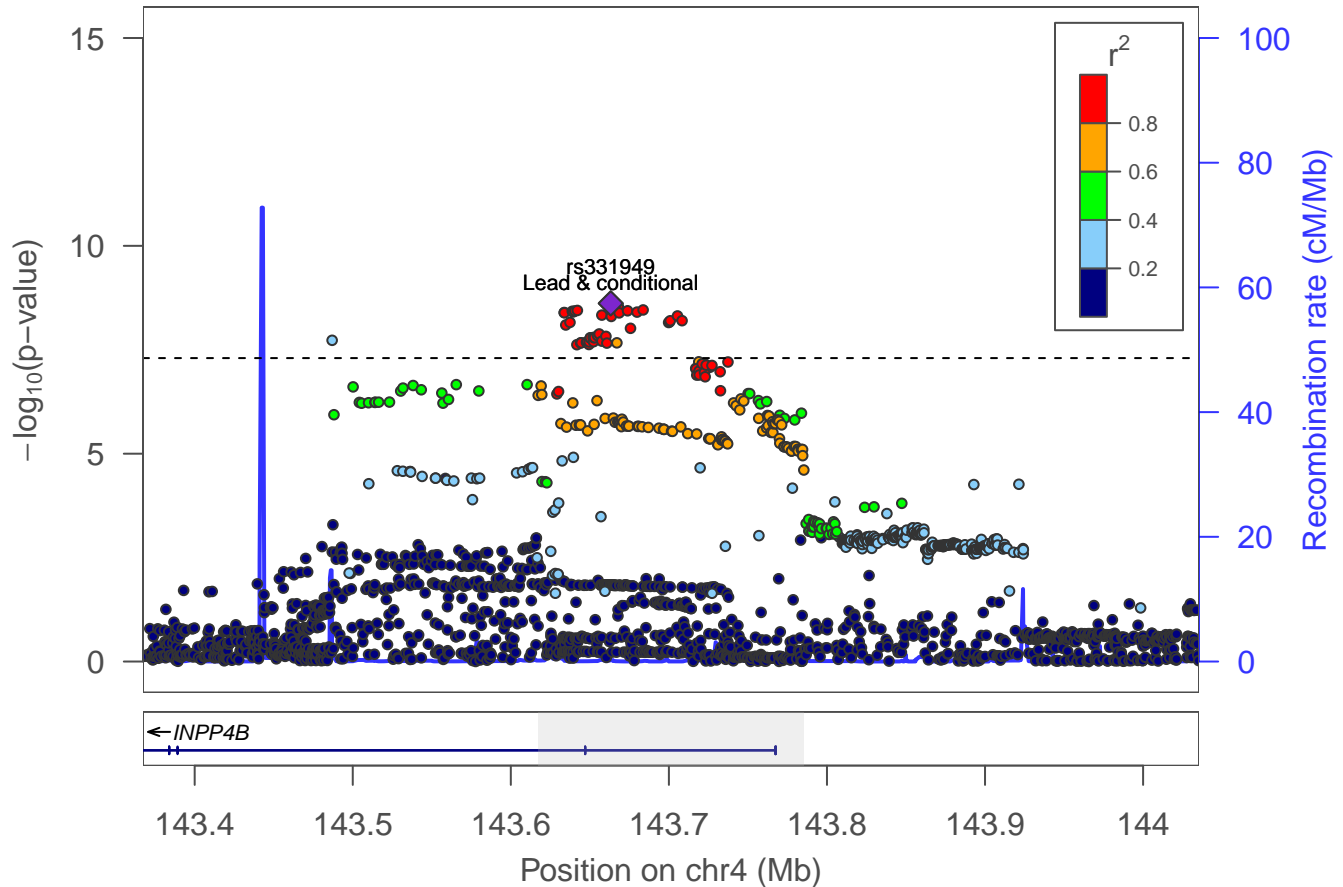
rs13135092 ▲
rs62322696 ●



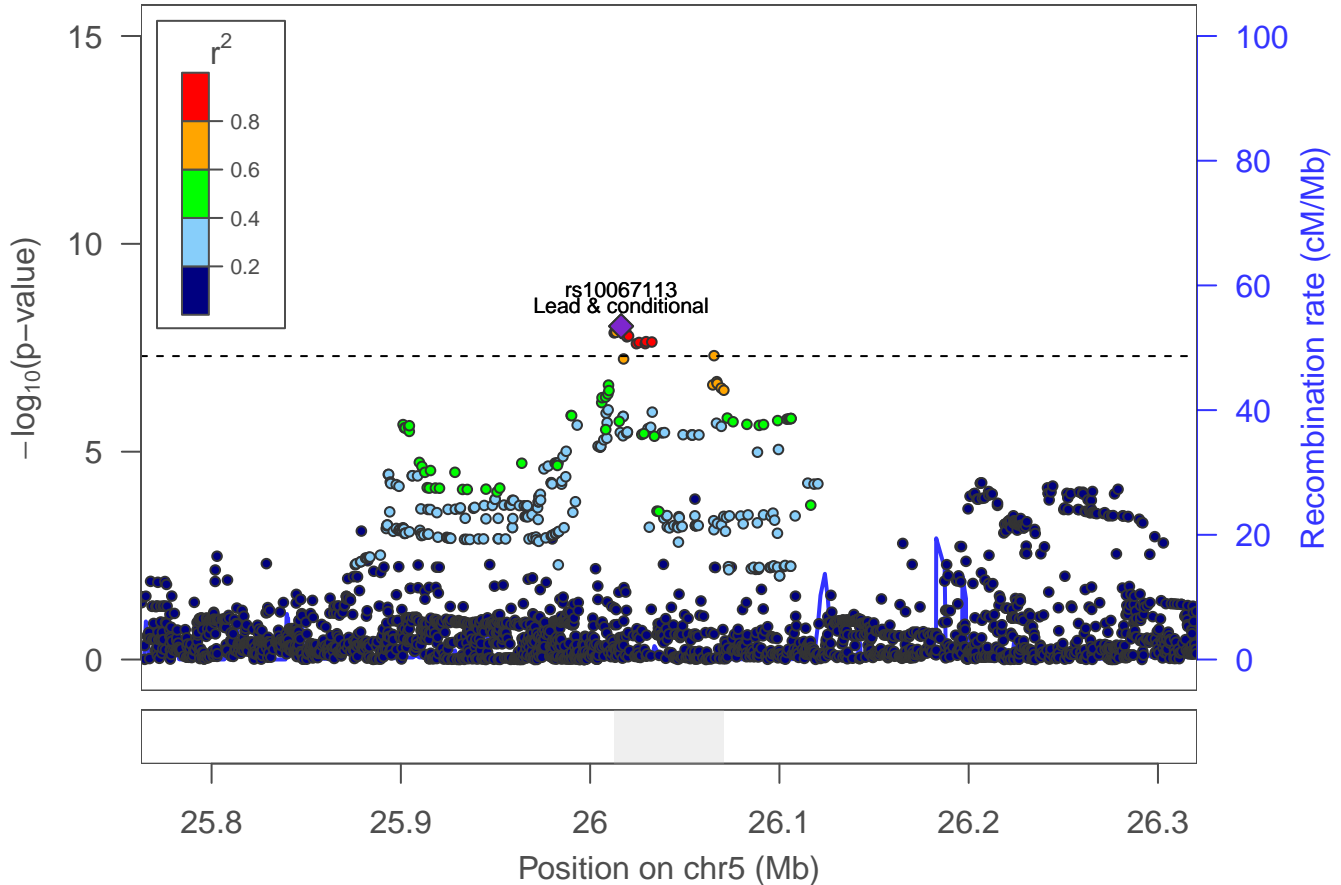
Adventurousness: locus 46 [chr 4:106.049–106.265Mb]



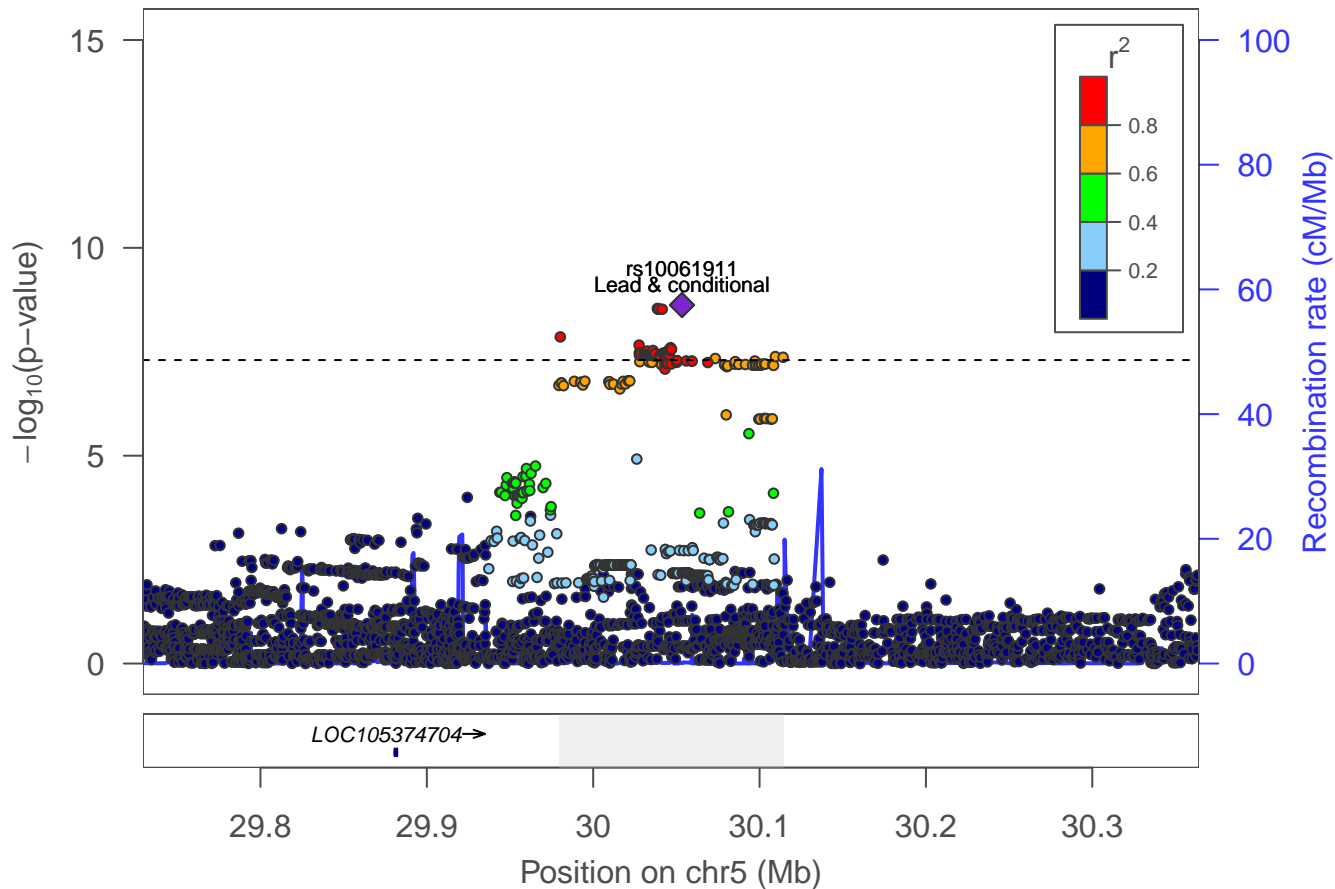
Adventurousness: locus 47 [chr 4:143.617–143.785Mb]



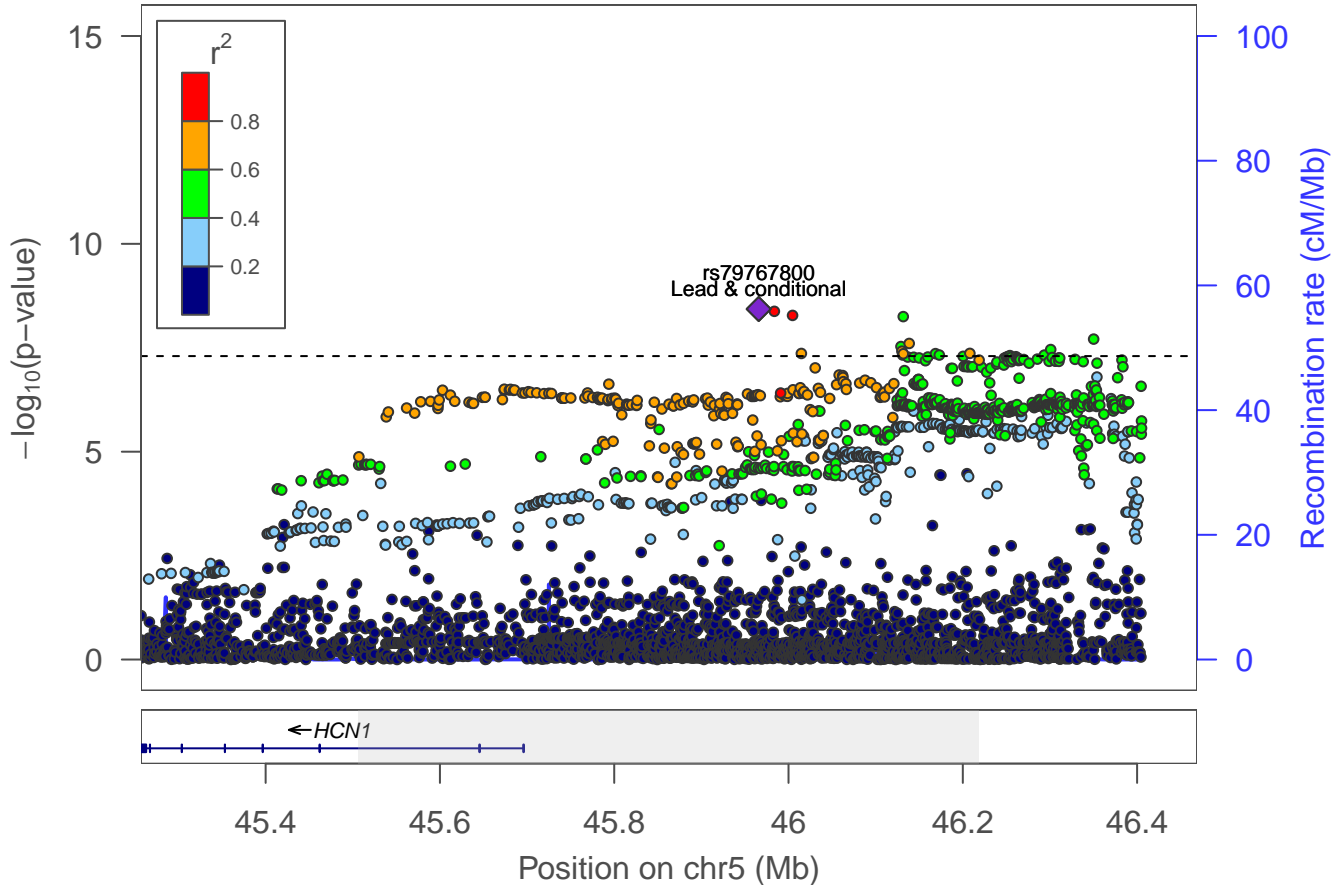
Adventurousness: locus 48 [chr 5:26.013–26.071Mb]



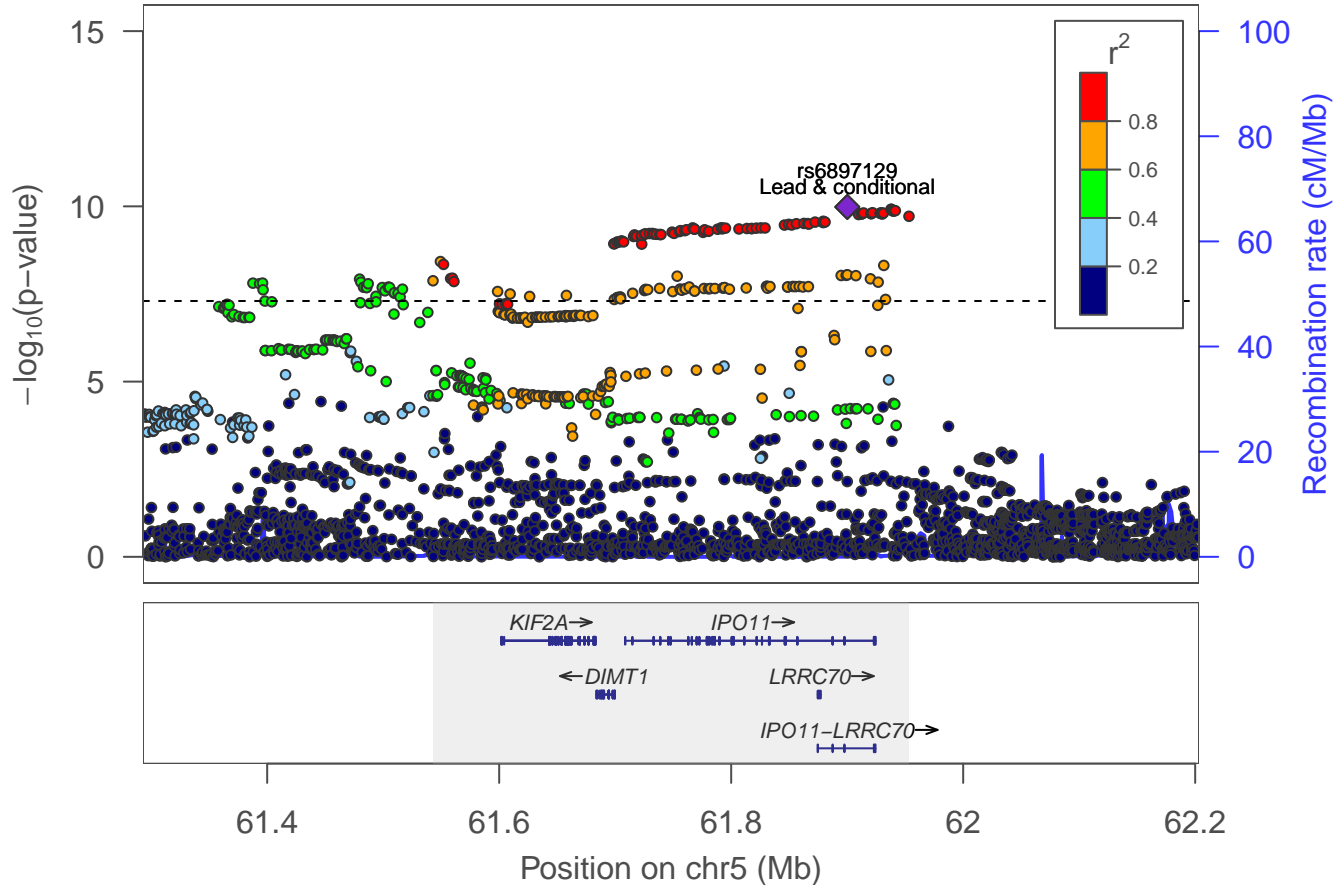
Adventurousness: locus 49 [chr 5:29.979–30.114Mb]



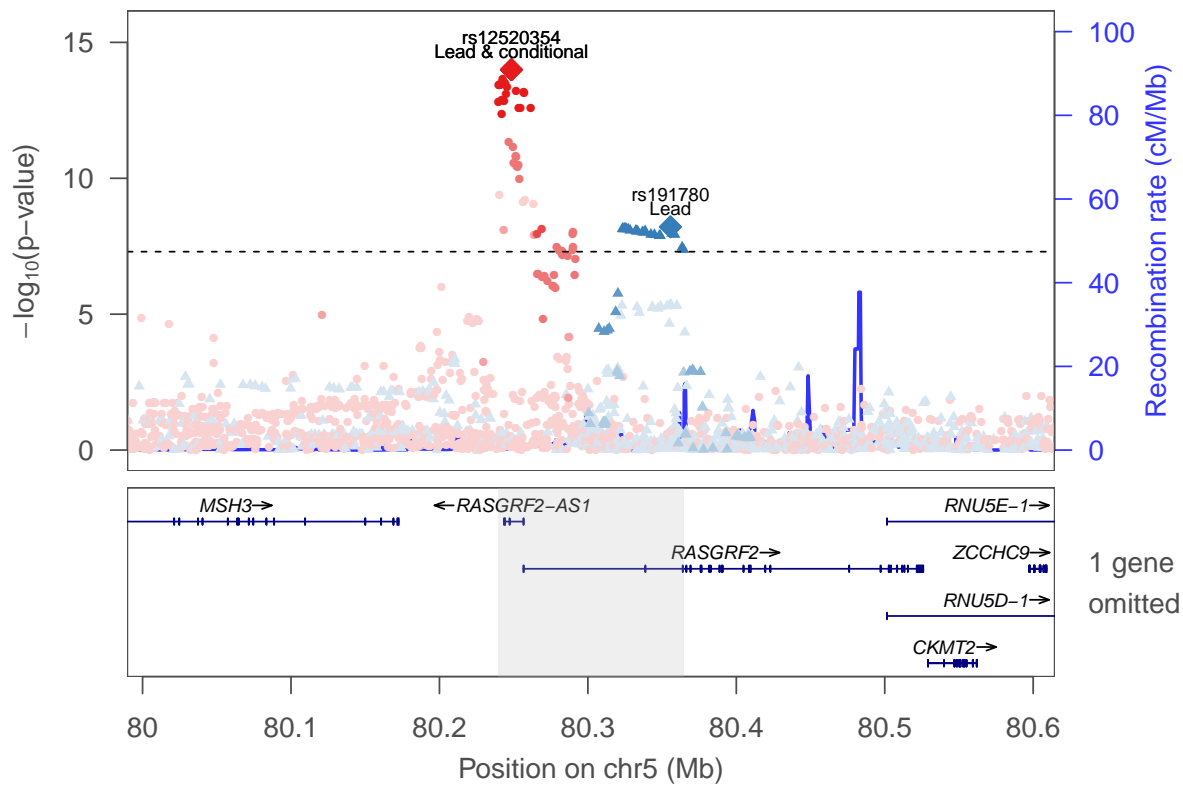
Adventurousness: locus 50 [chr 5:45.507–46.219Mb]



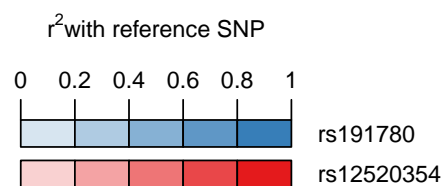
Adventurousness: locus 51 [chr 5:61.543–61.953Mb]



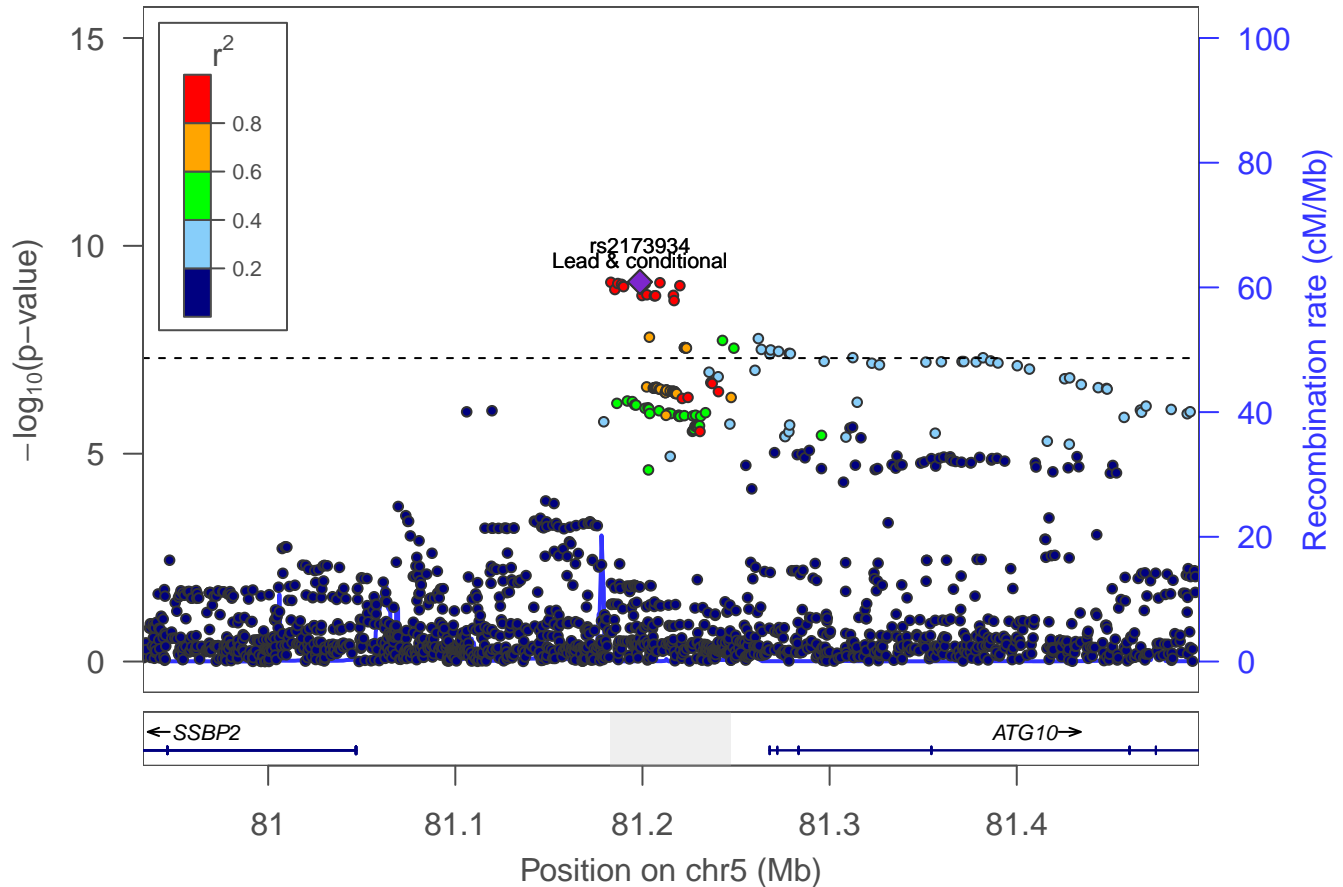
Adventurousness: Locus 52 [chr 5: 80.240–80.364Mb]



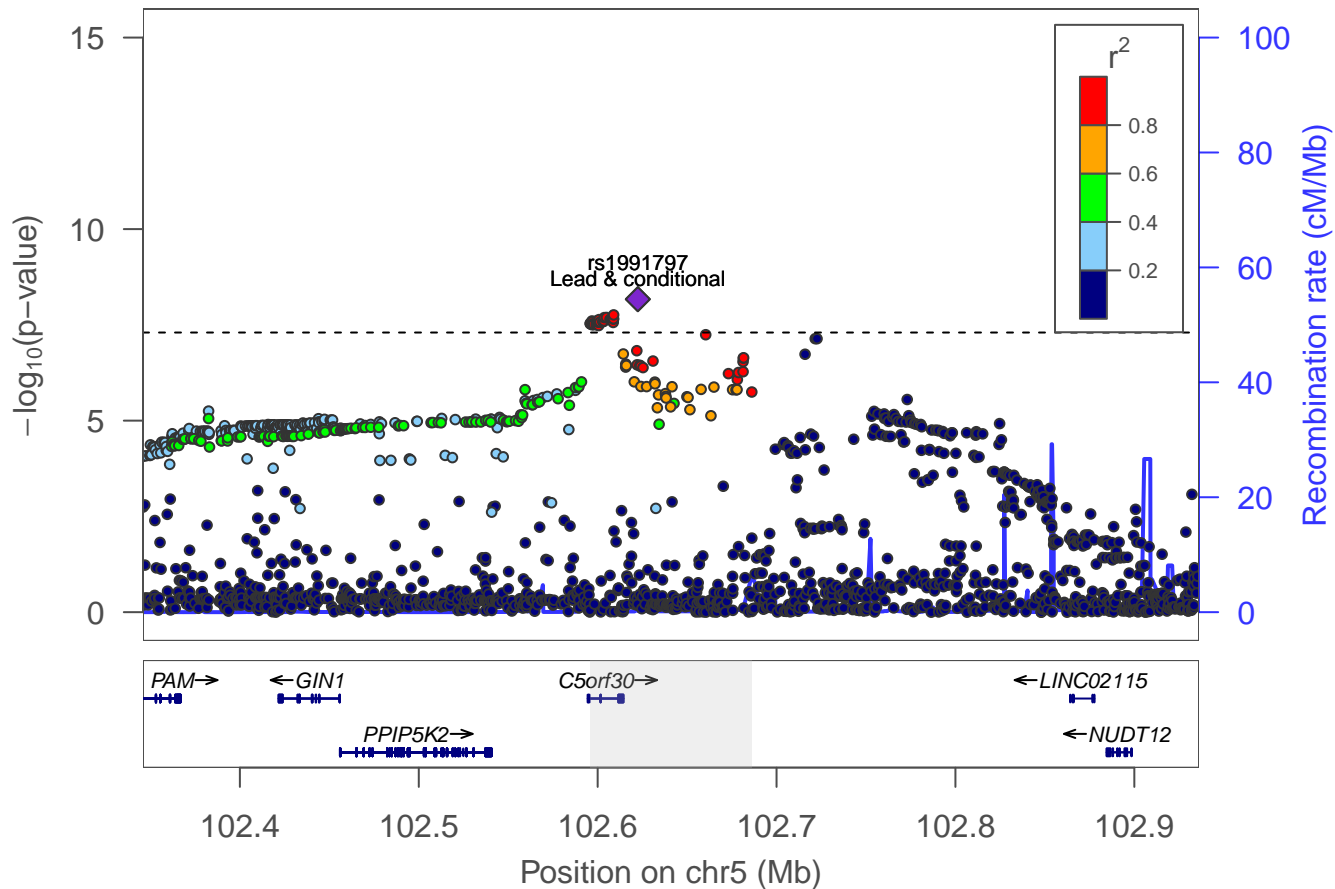
rs191780 ▲
rs12520354 ●



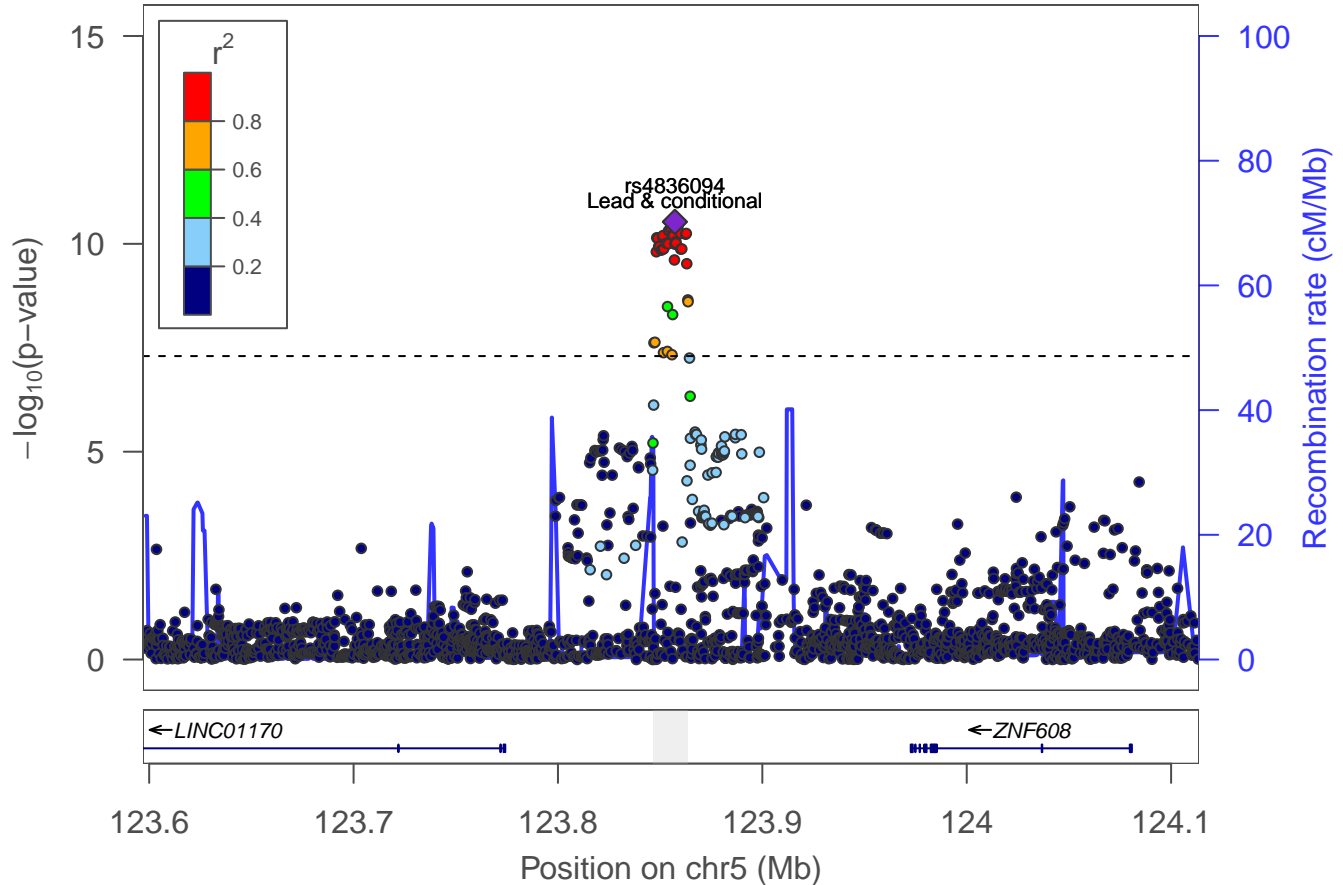
Adventurousness: locus 53 [chr 5:81.183–81.247Mb]



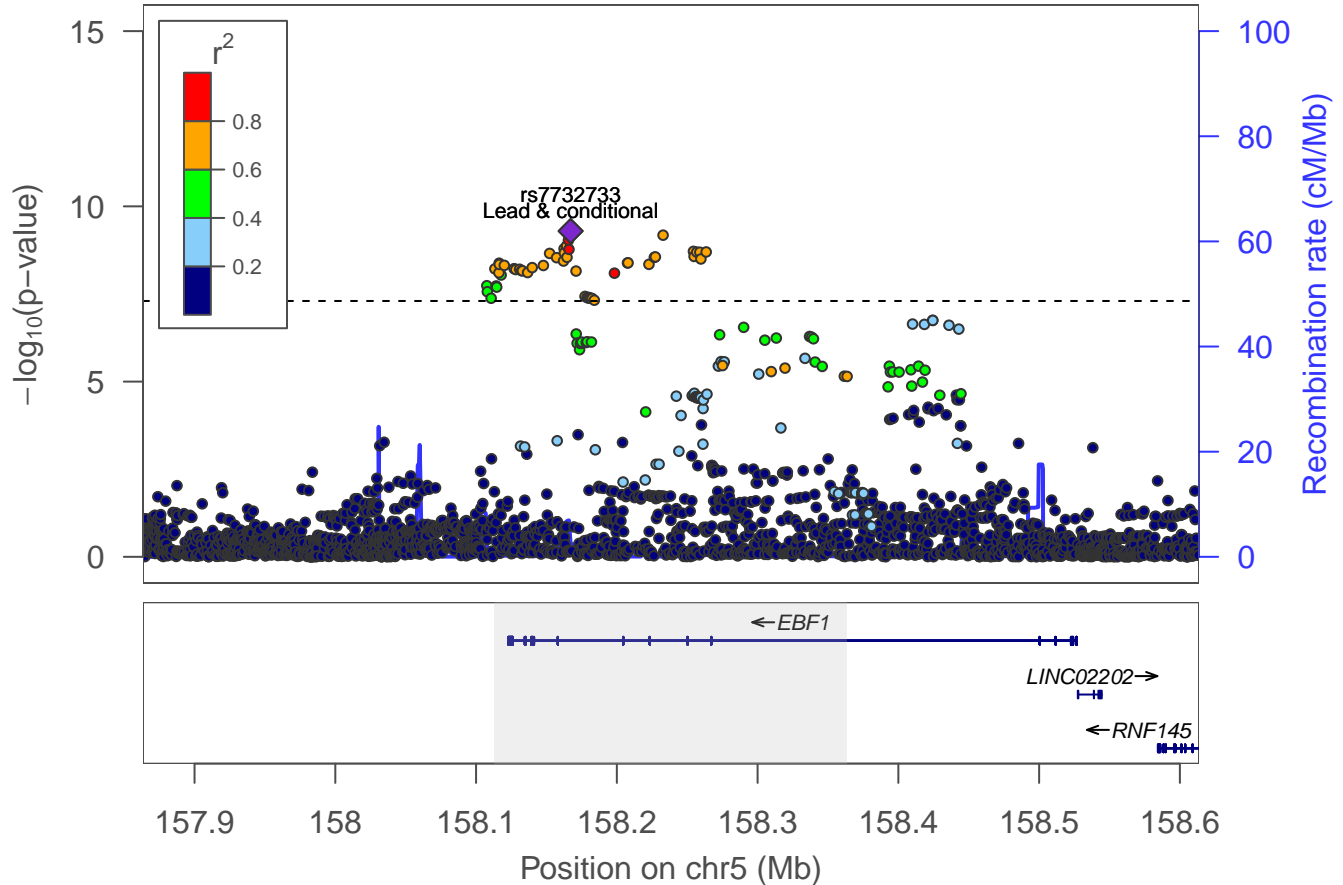
Adventurousness: locus 54 [chr 5:102.596–102.686Mb]



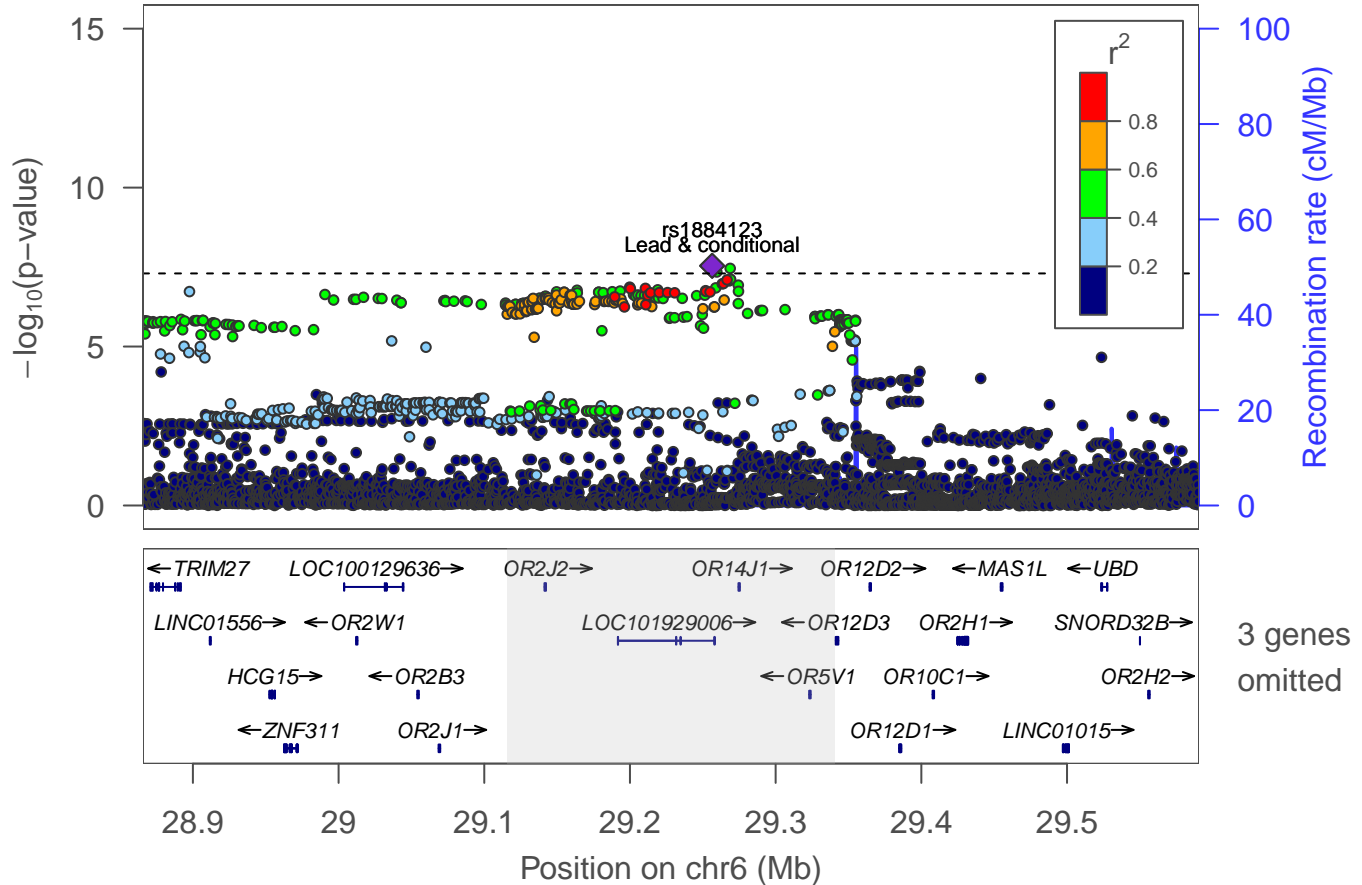
Adventurousness: locus 55 [chr 5:123.847–123.864Mb]



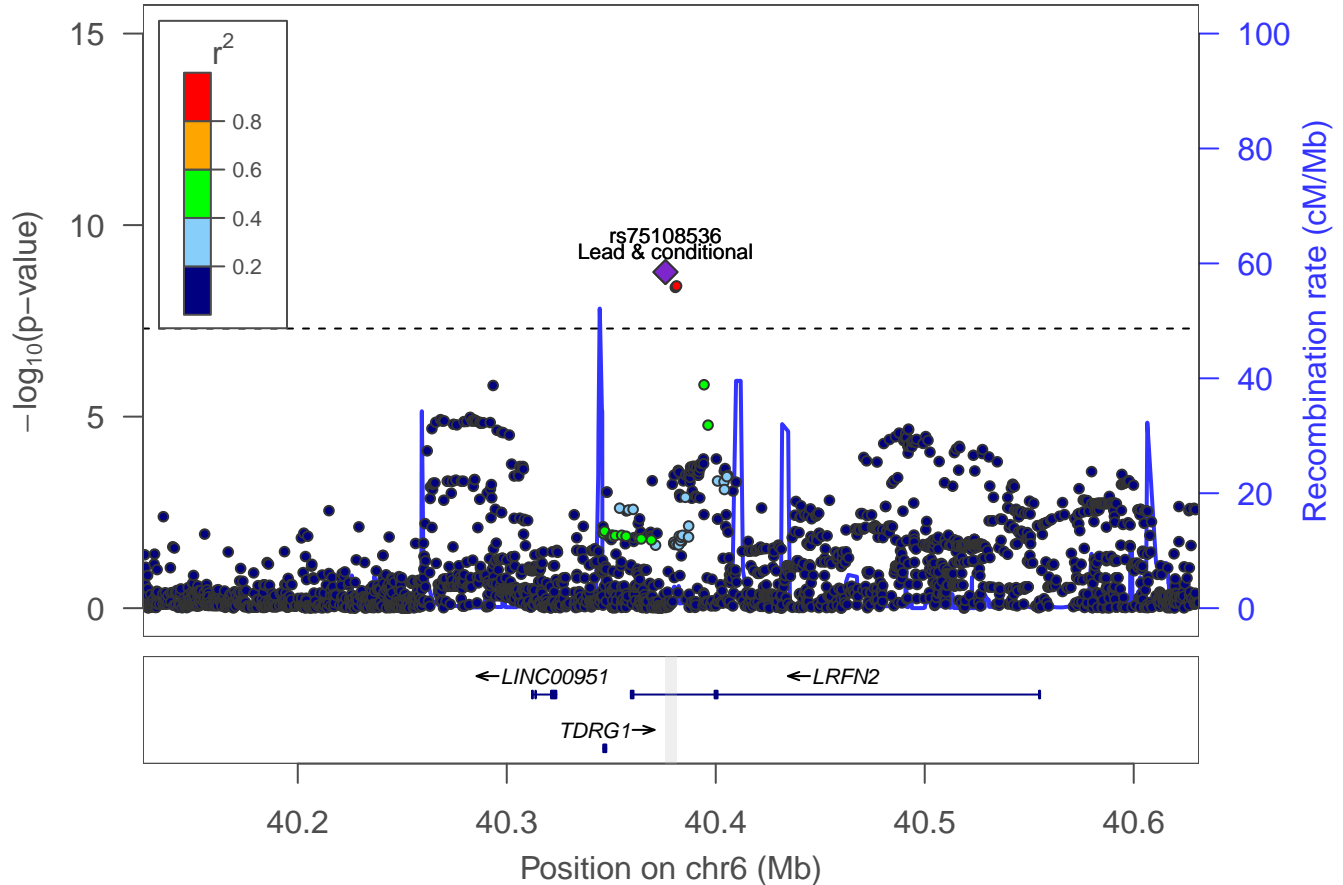
Adventurousness: locus 56 [chr 5:158.113–158.364Mb]



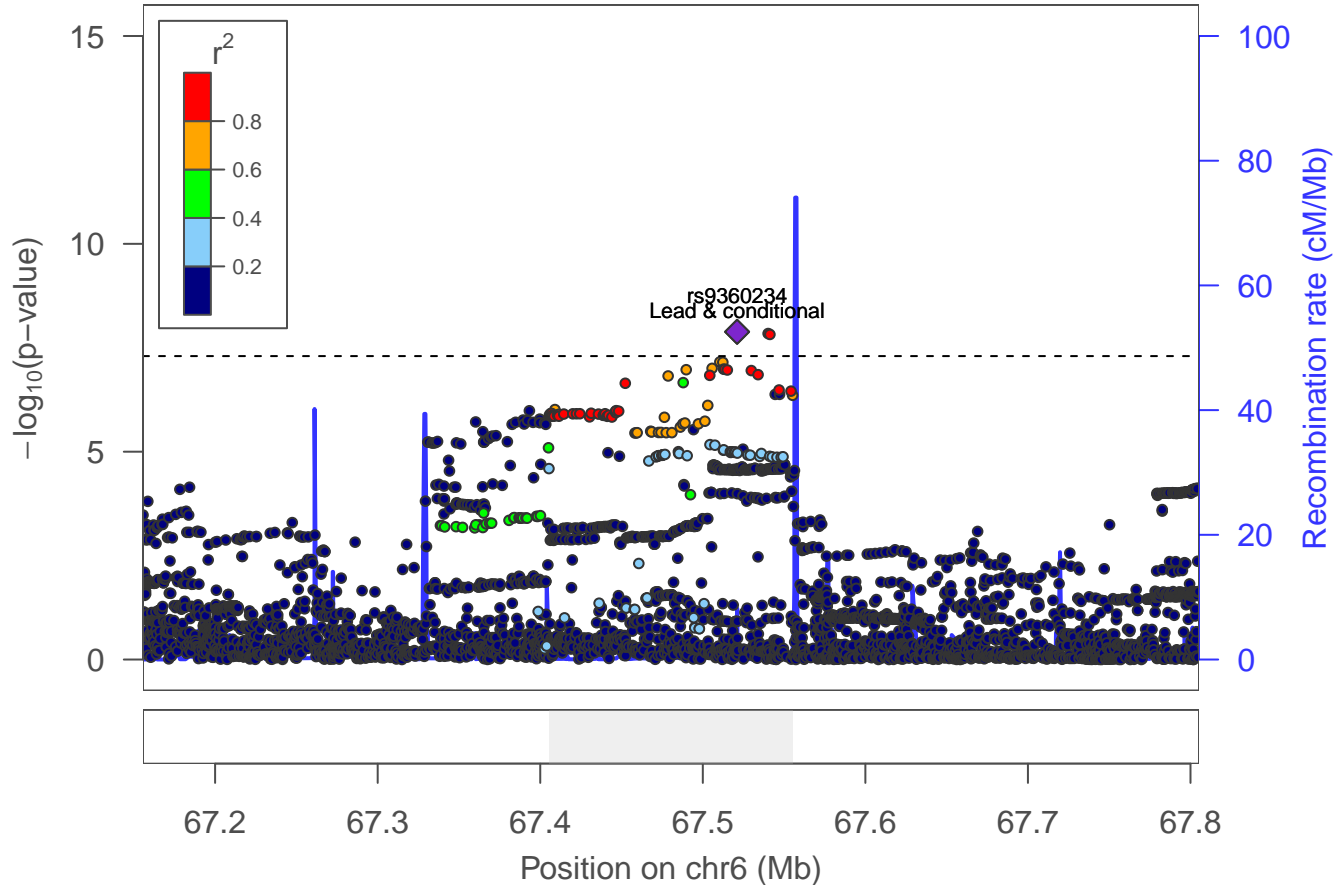
Adventurousness: locus 57 [chr 6:29.116–29.341Mb]



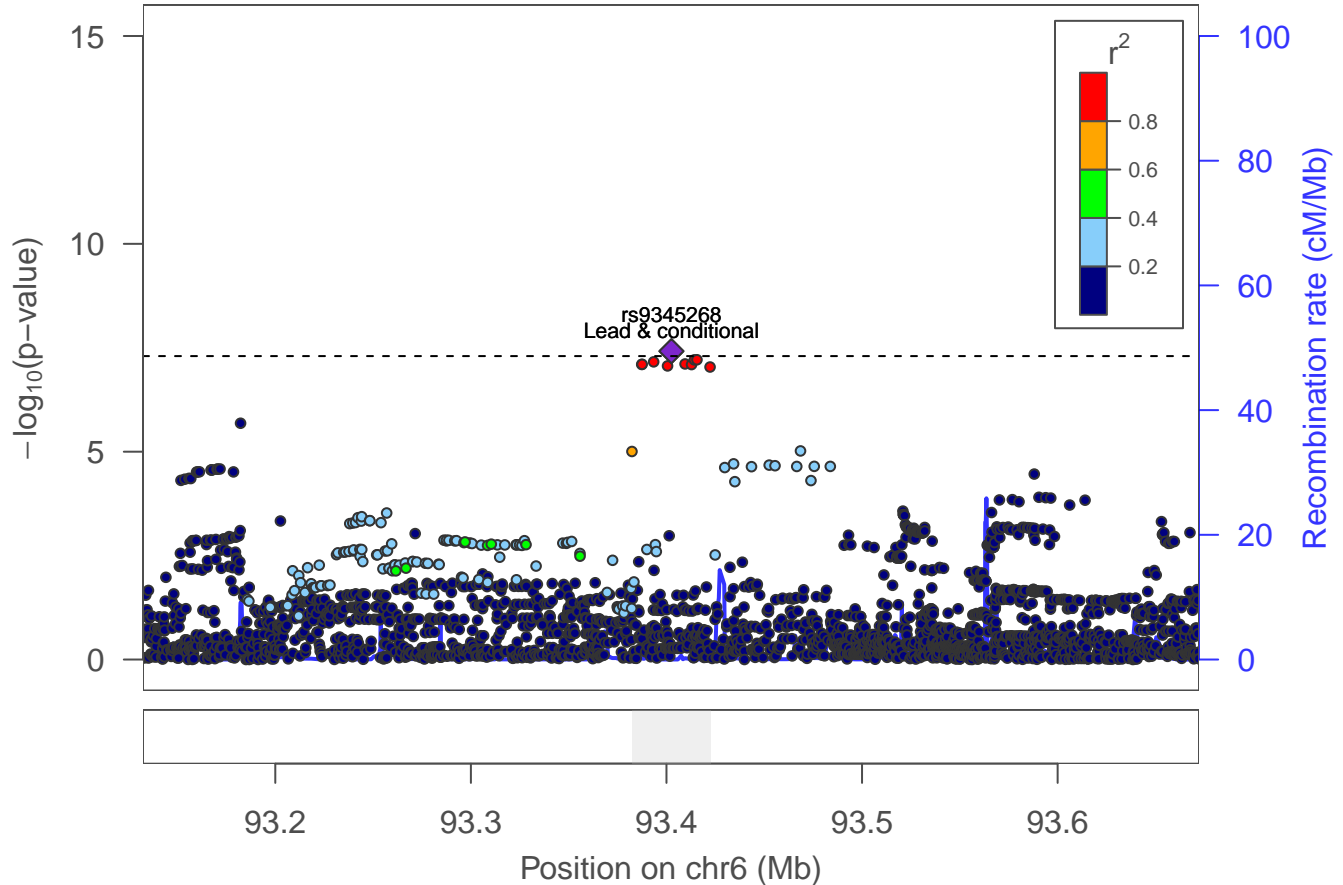
Adventurousness: locus 58 [chr 6:40.376–40.381Mb]



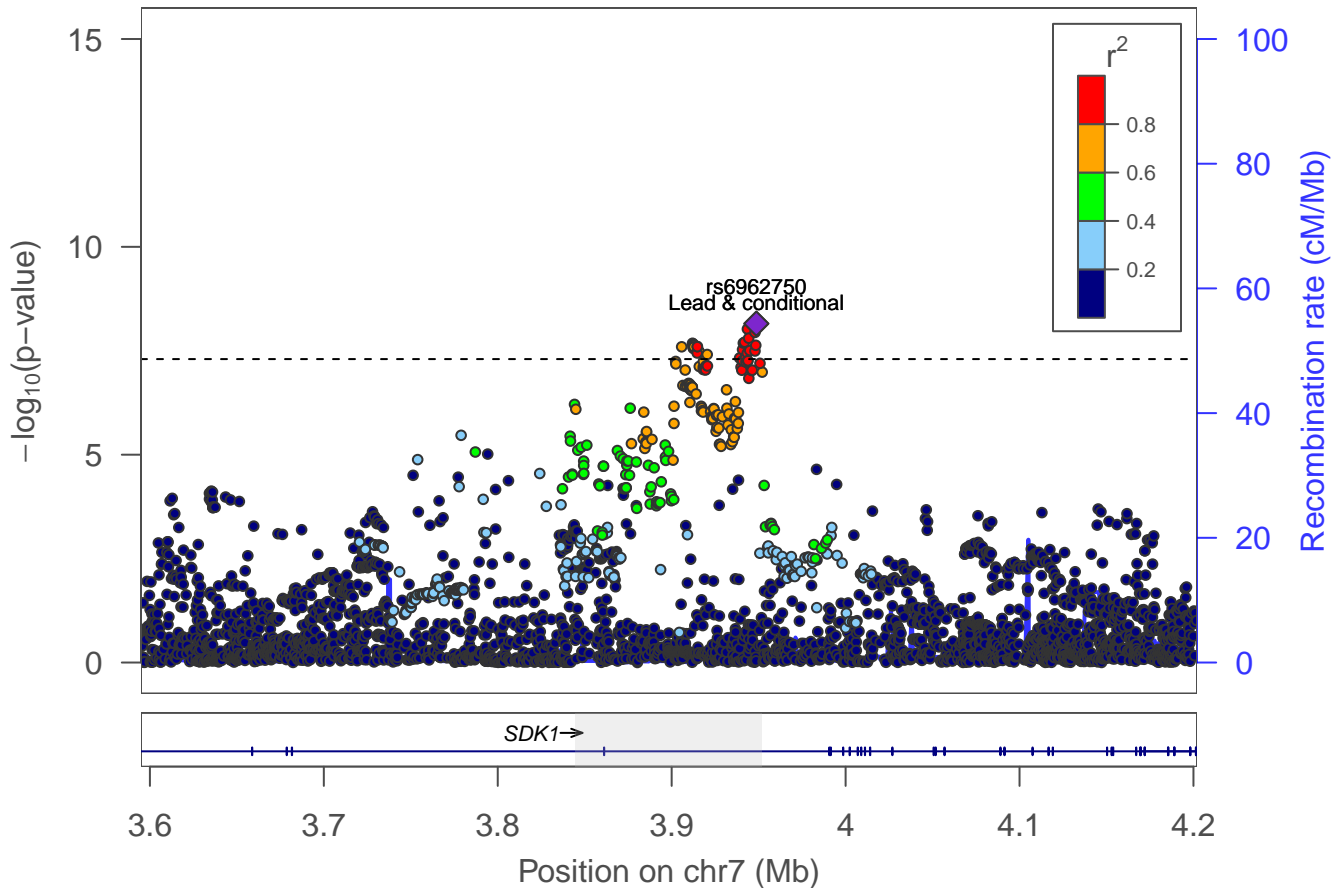
Adventurousness: locus 59 [chr 6:67.406–67.555Mb]



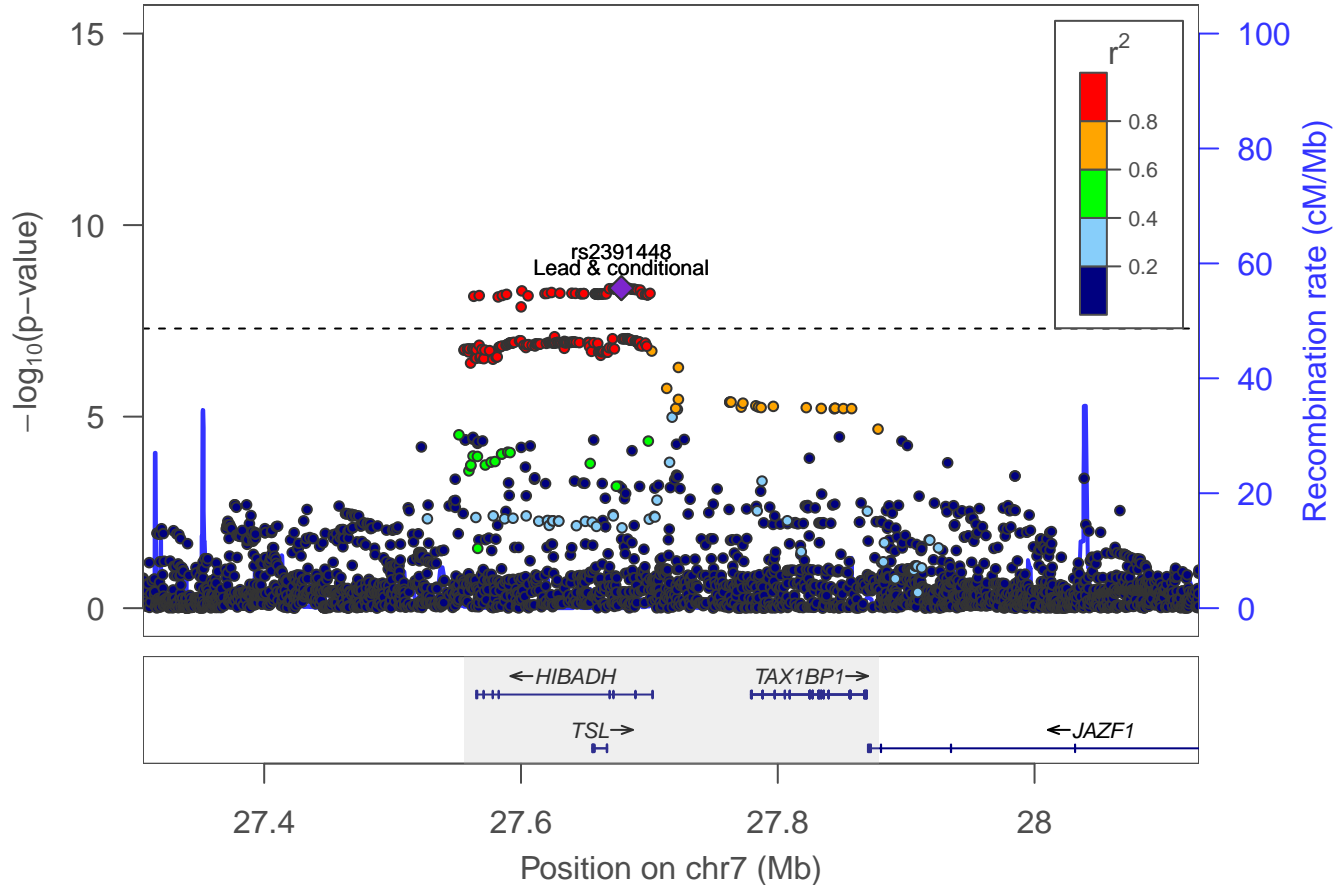
Adventurousness: locus 60 [chr 6:93.382–93.422Mb]



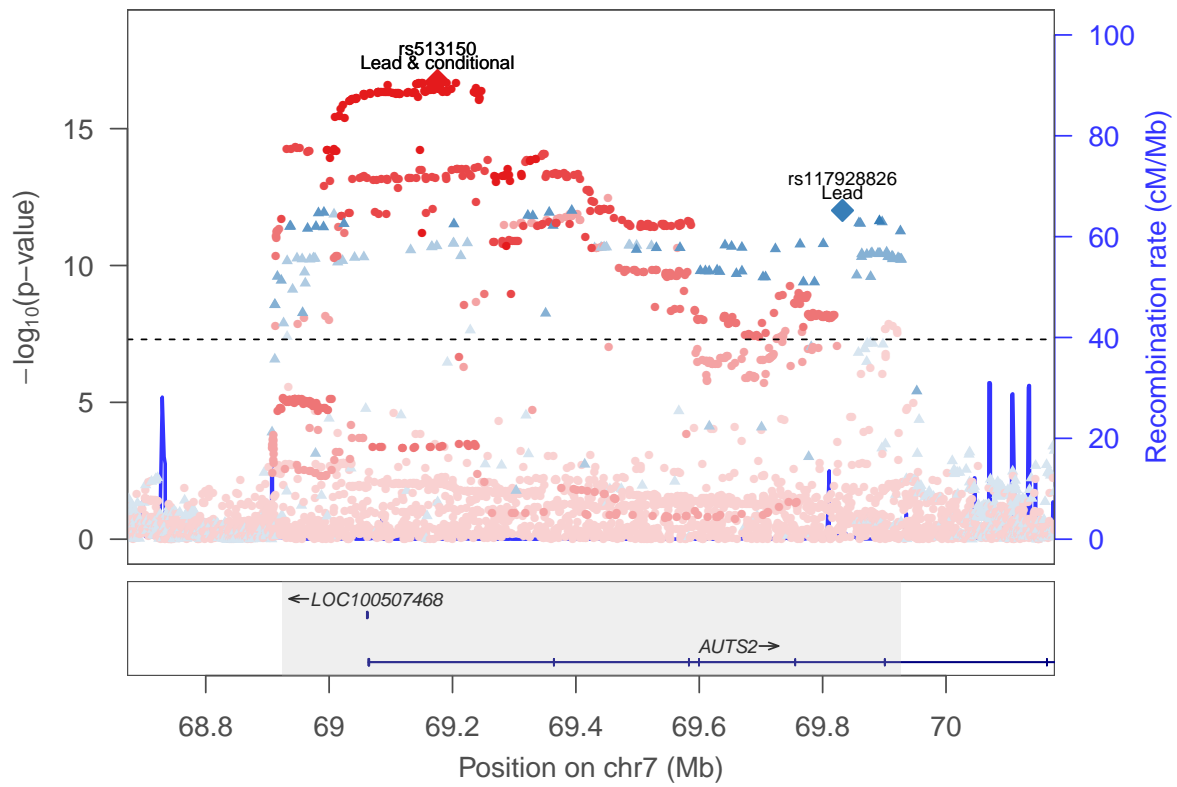
Adventurousness: locus 61 [chr 7:3.845–3.952Mb]



Adventurousness: locus 62 [chr 7:27.556–27.878Mb]



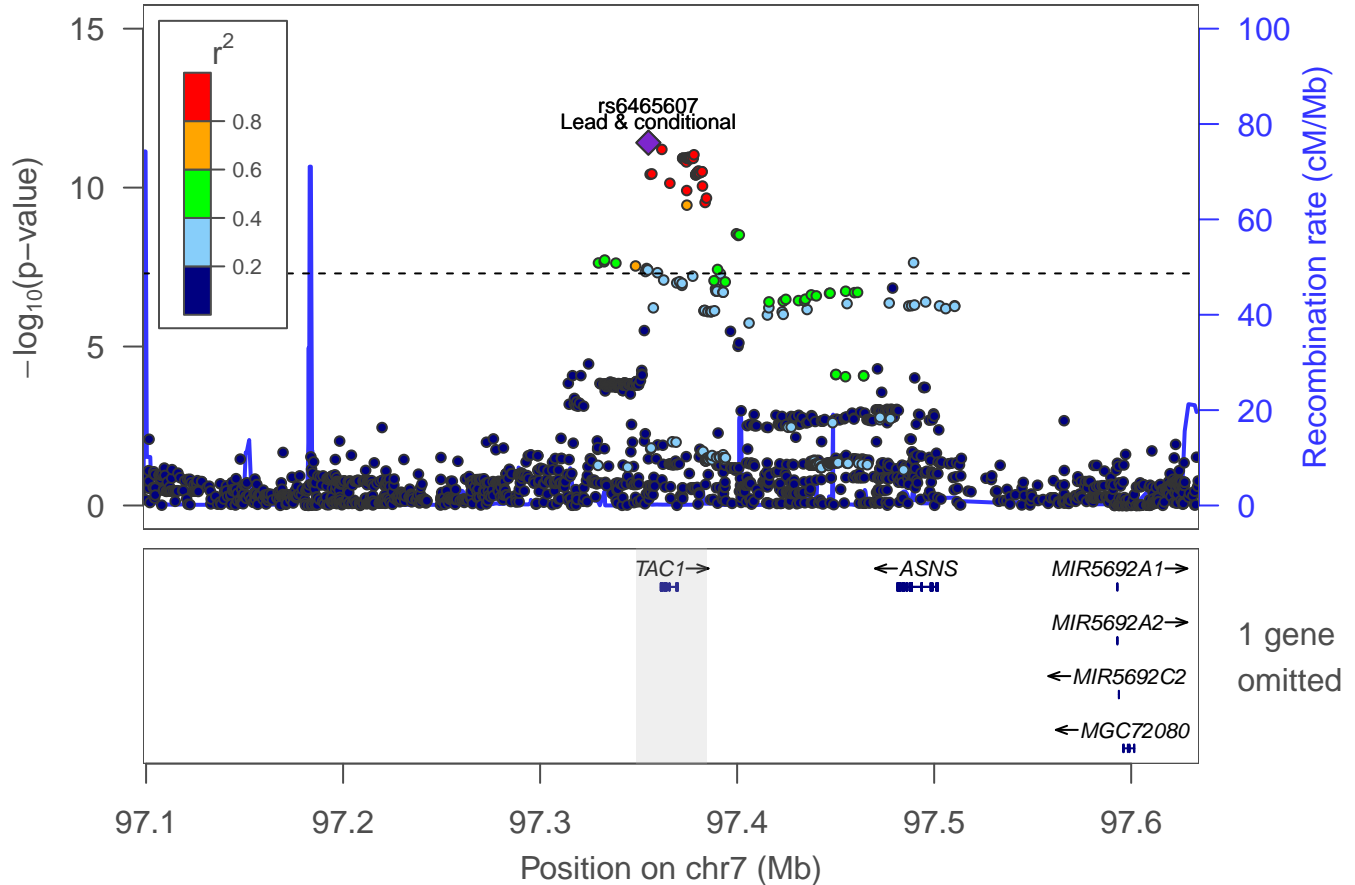
Adventurousness: Locus 63 [chr 7: 68.923–69.926Mb]



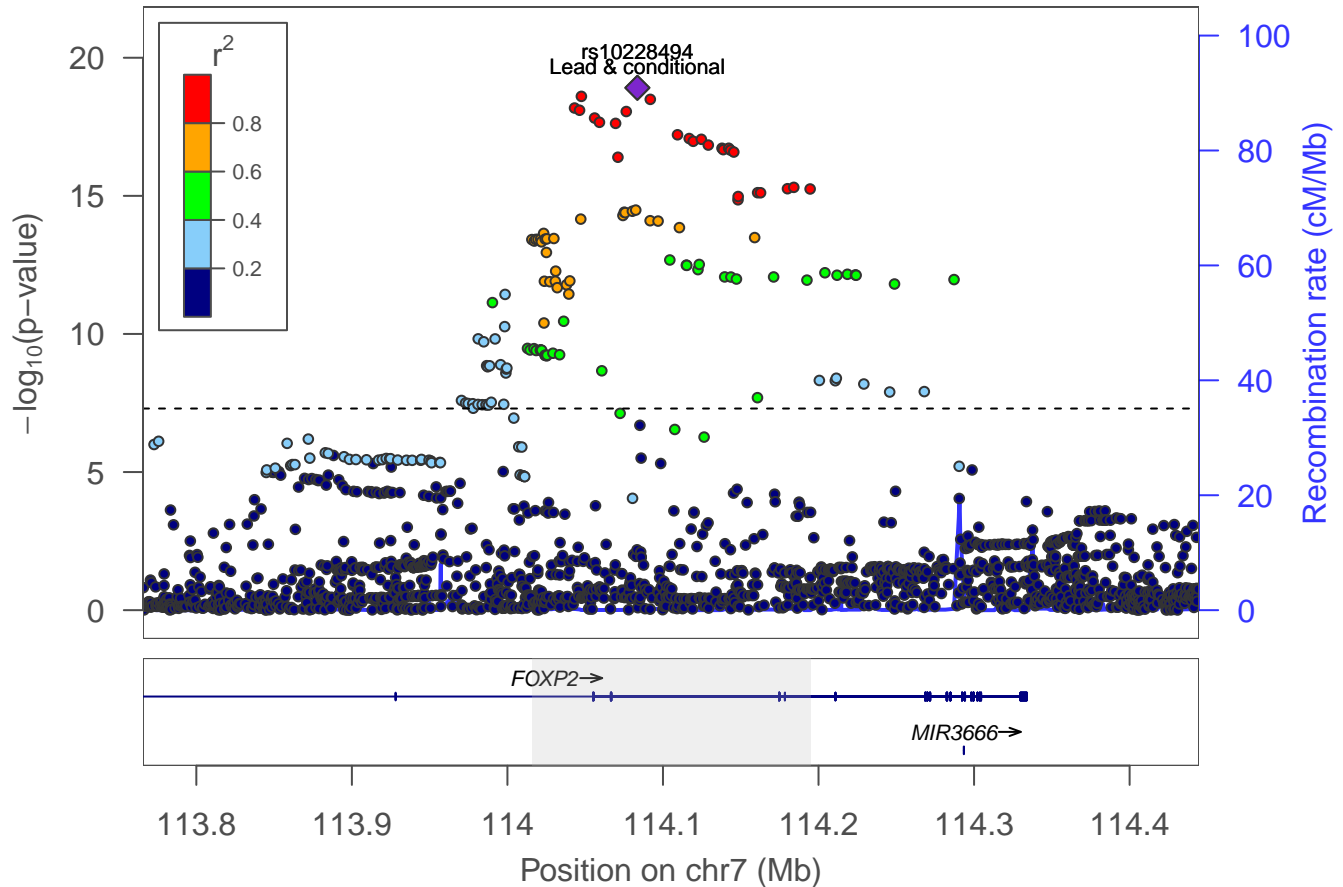
rs117928826 ▲
rs513150 ●



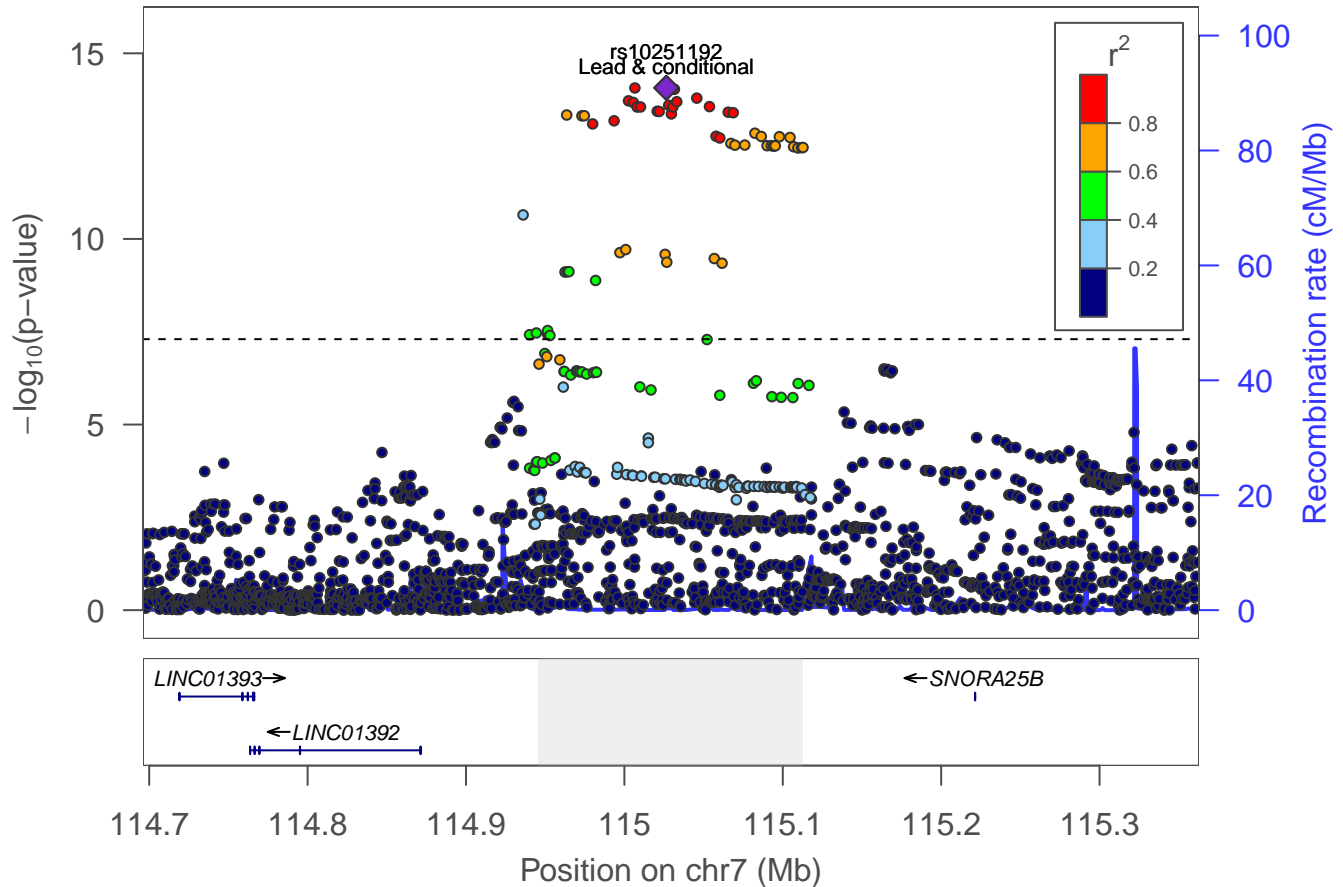
Adventurousness: locus 64 [chr 7:97.348–97.384Mb]



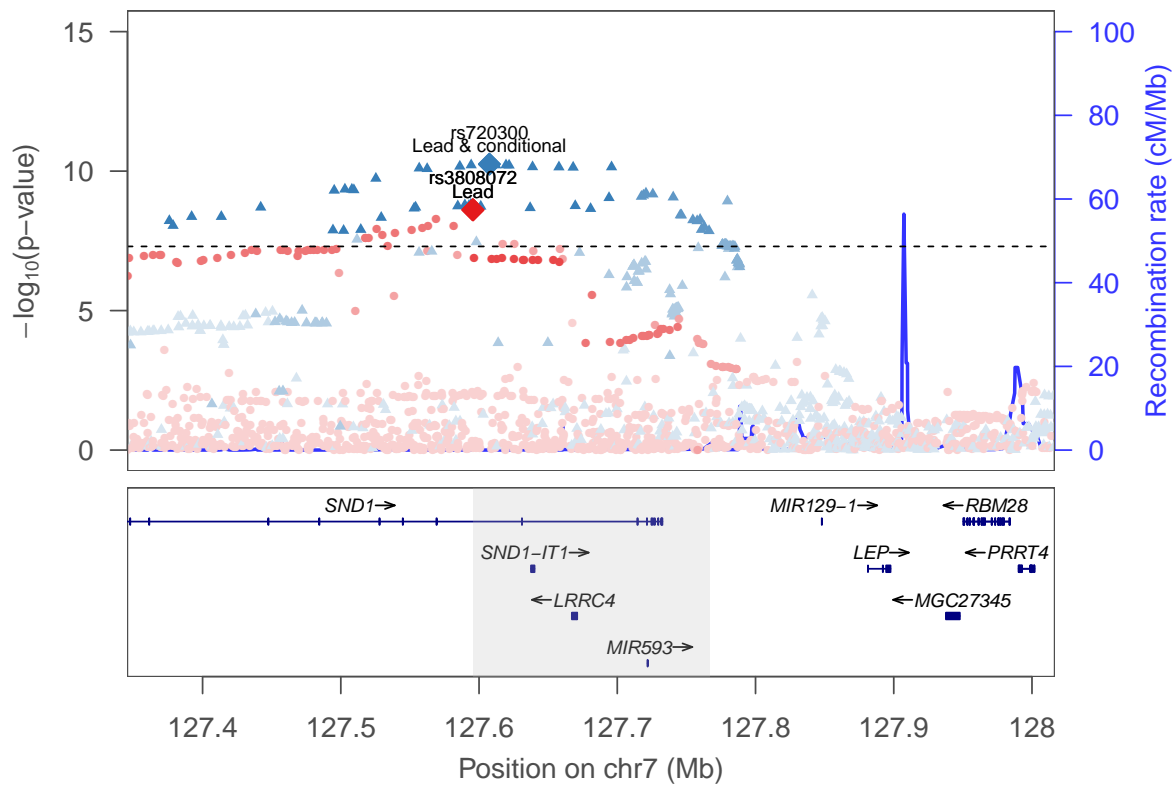
Adventurousness: locus 65 [chr 7:114.016–114.195Mb]



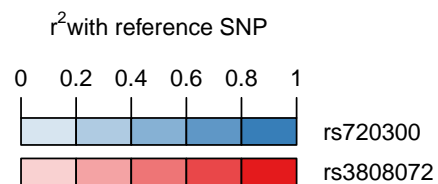
Adventurousness: locus 66 [chr 7:114.946–115.113Mb]



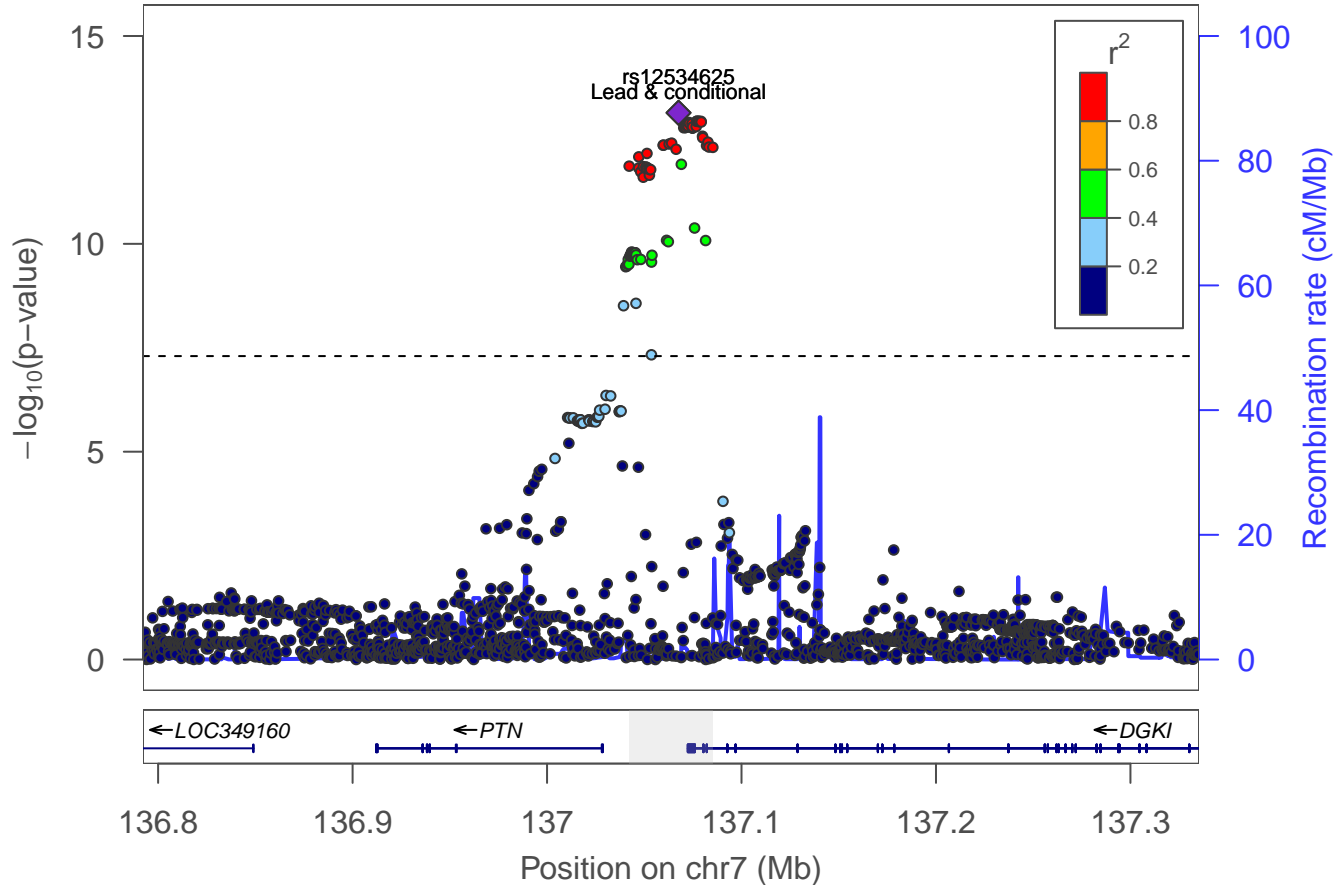
Adventurousness: Locus 67 [chr 7: 127.596–127.766Mb]



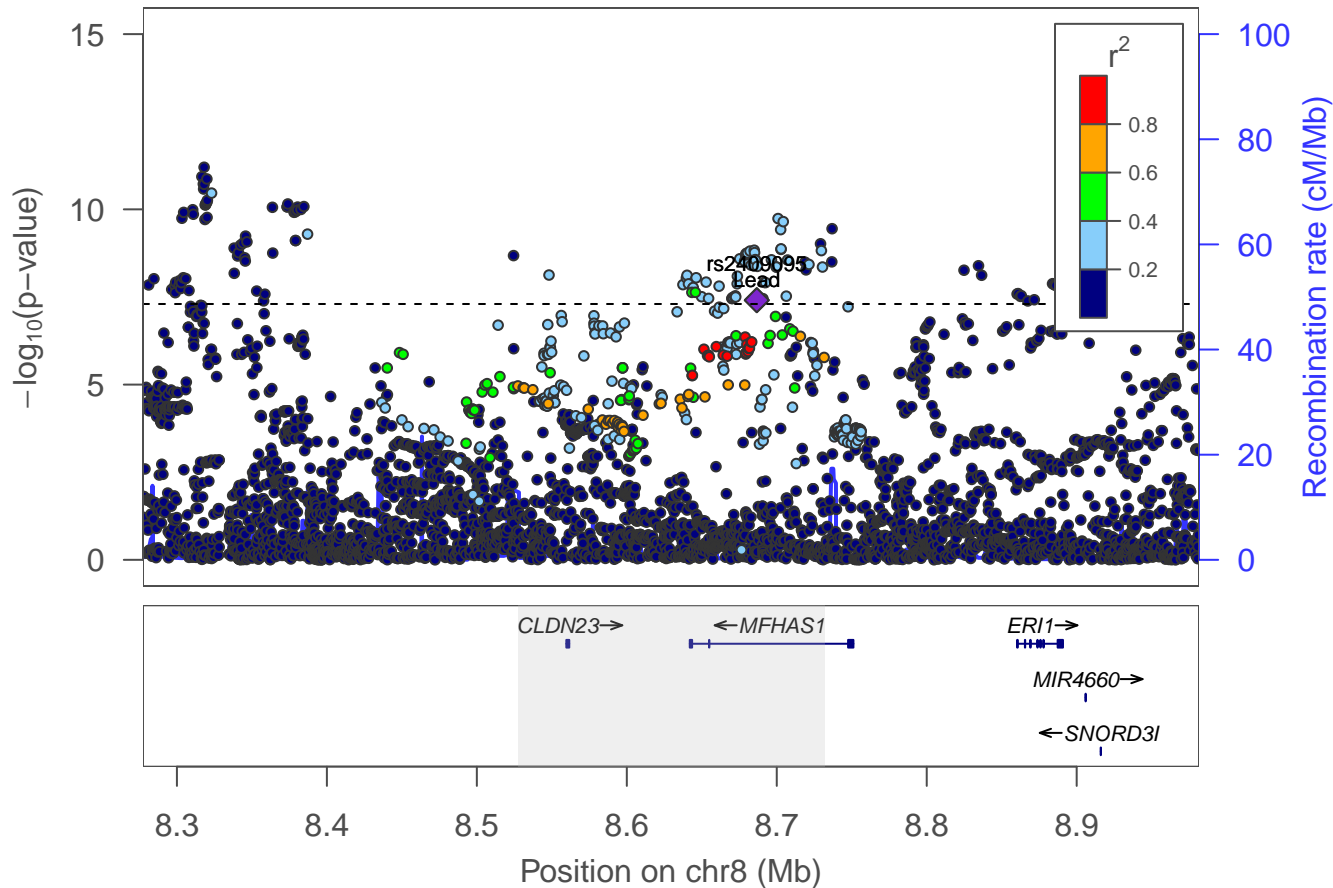
rs720300 ▲
rs3808072 ●



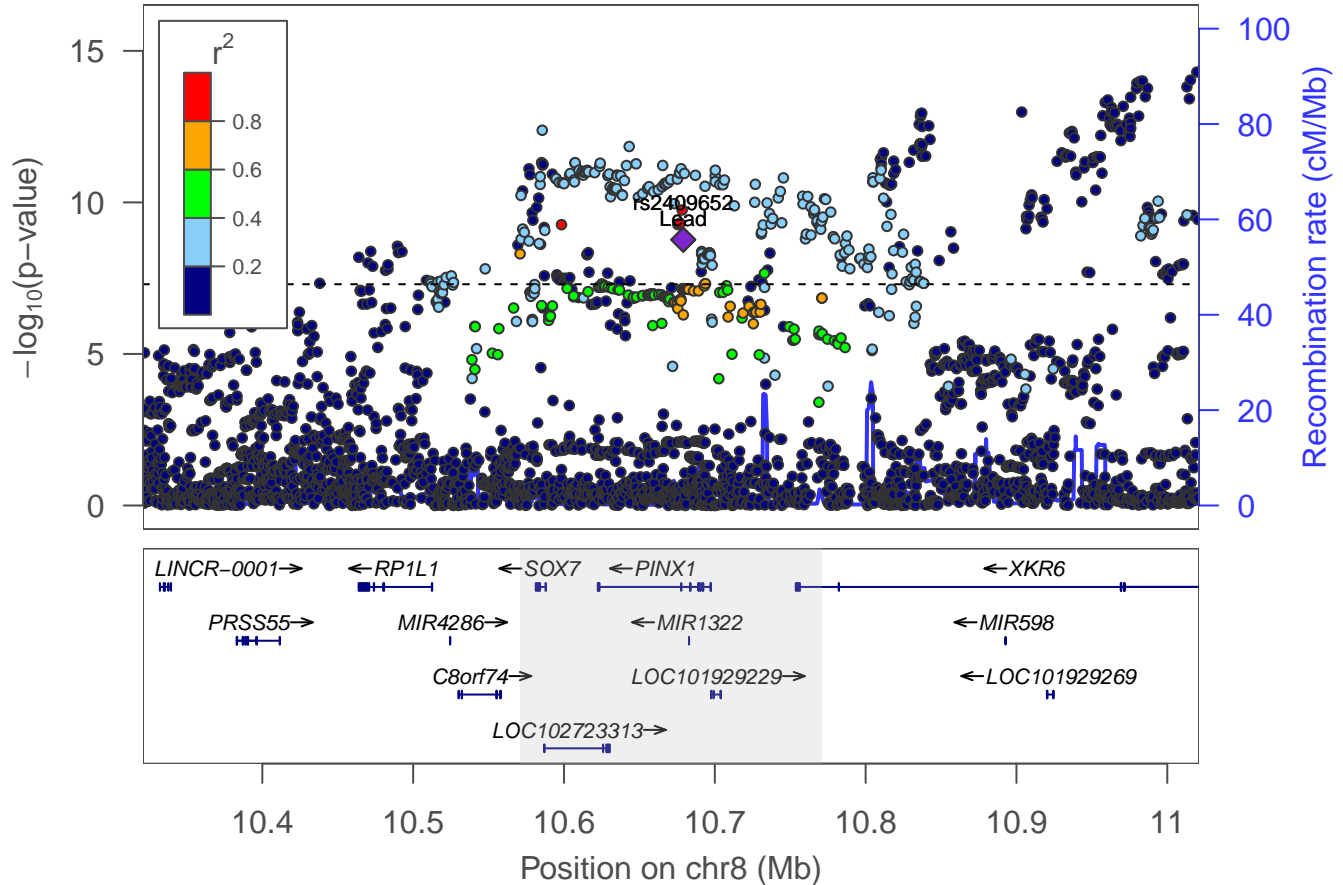
Adventurousness: locus 68 [chr 7:137.042–137.085Mb]



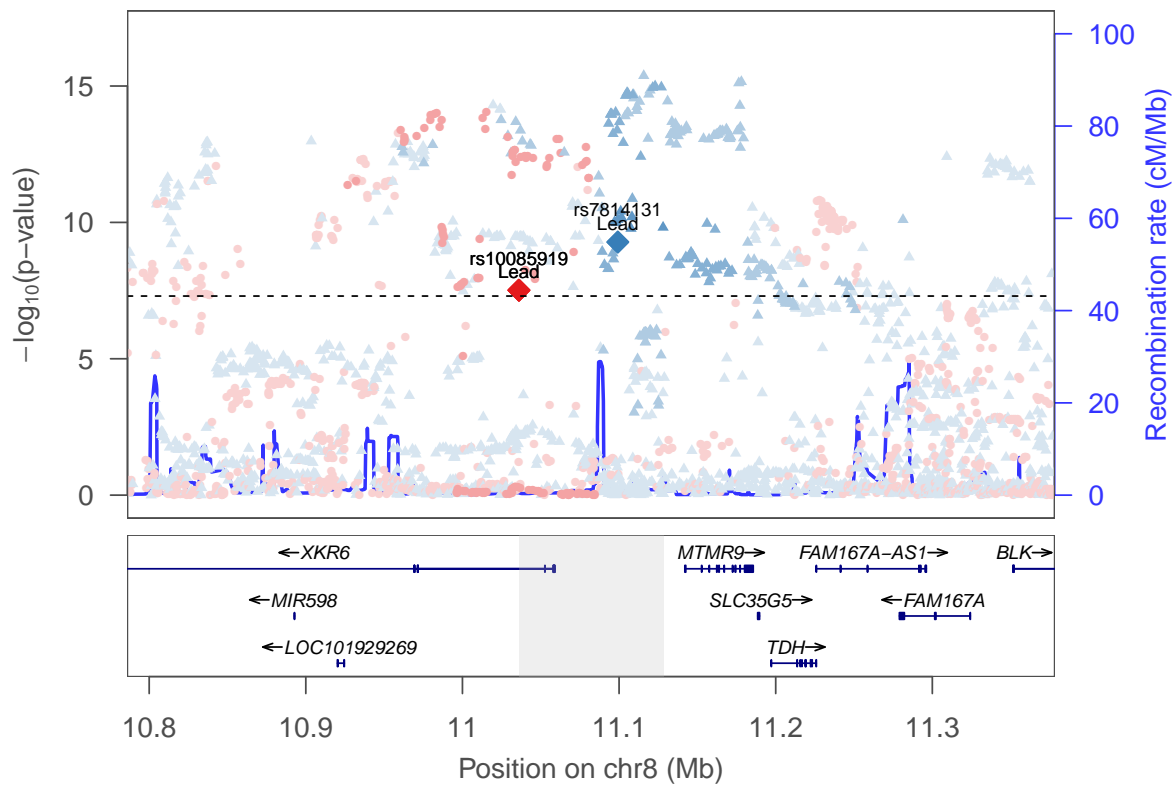
Adventurousness: locus 69 [chr 8:8.527–8.732Mb]



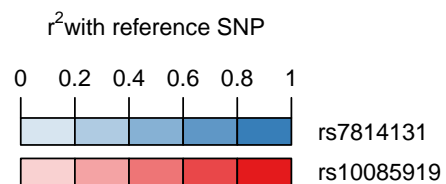
Adventurousness: locus 70 [chr 8:10.571–10.771Mb]



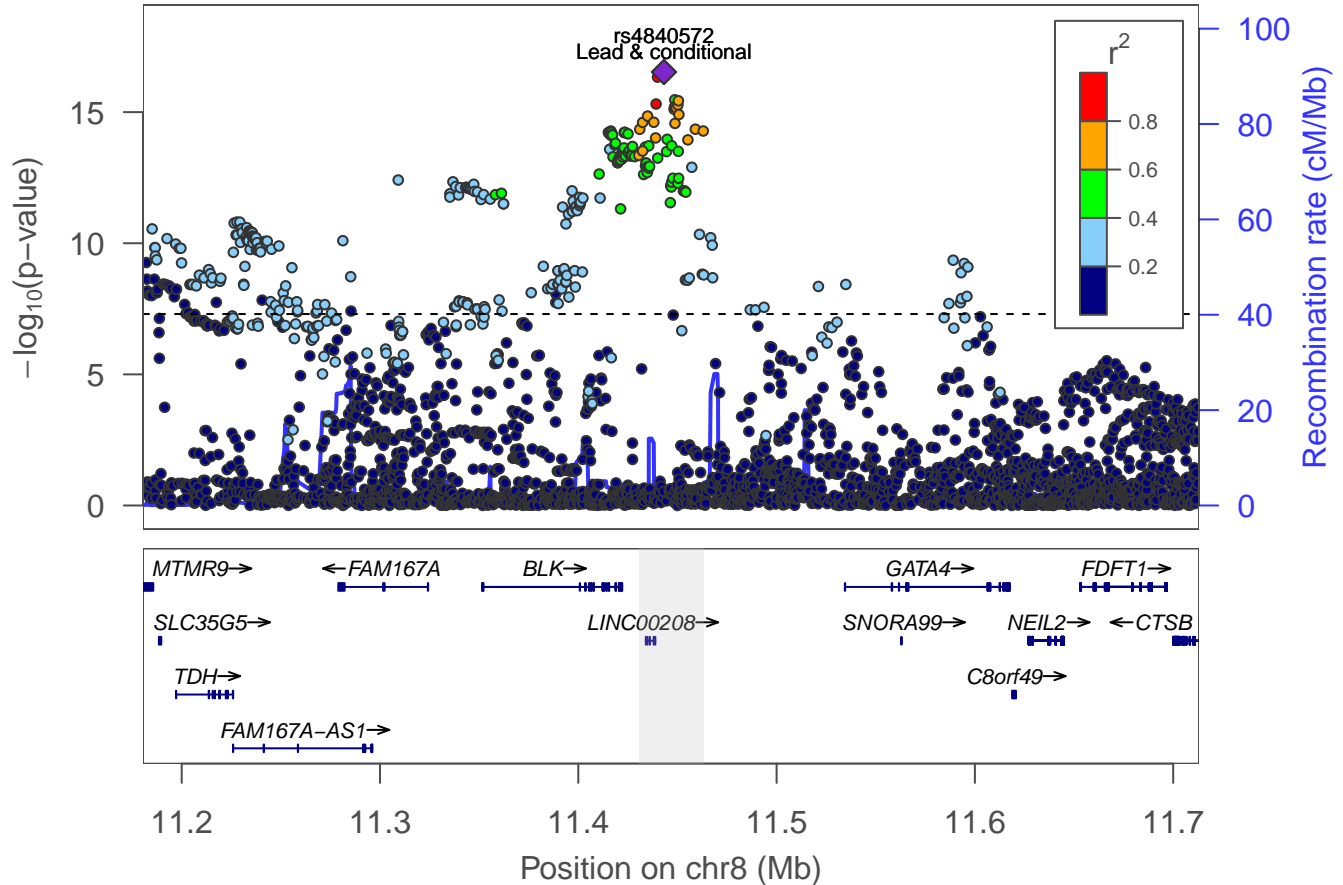
Adventurousness: Locus 71 [chr 8: 11.036–11.128Mb]



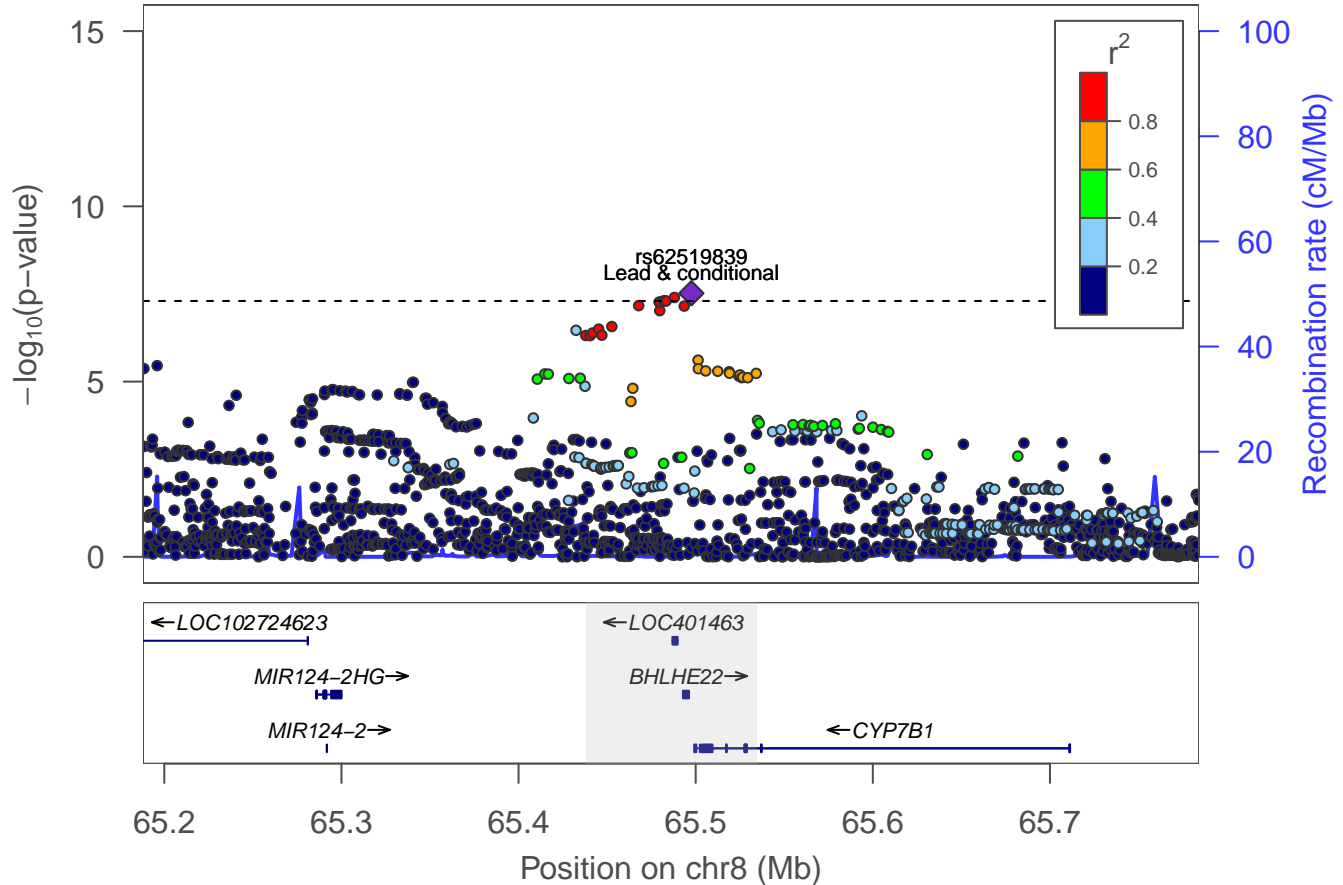
rs7814131 ▲
rs10085919 ●



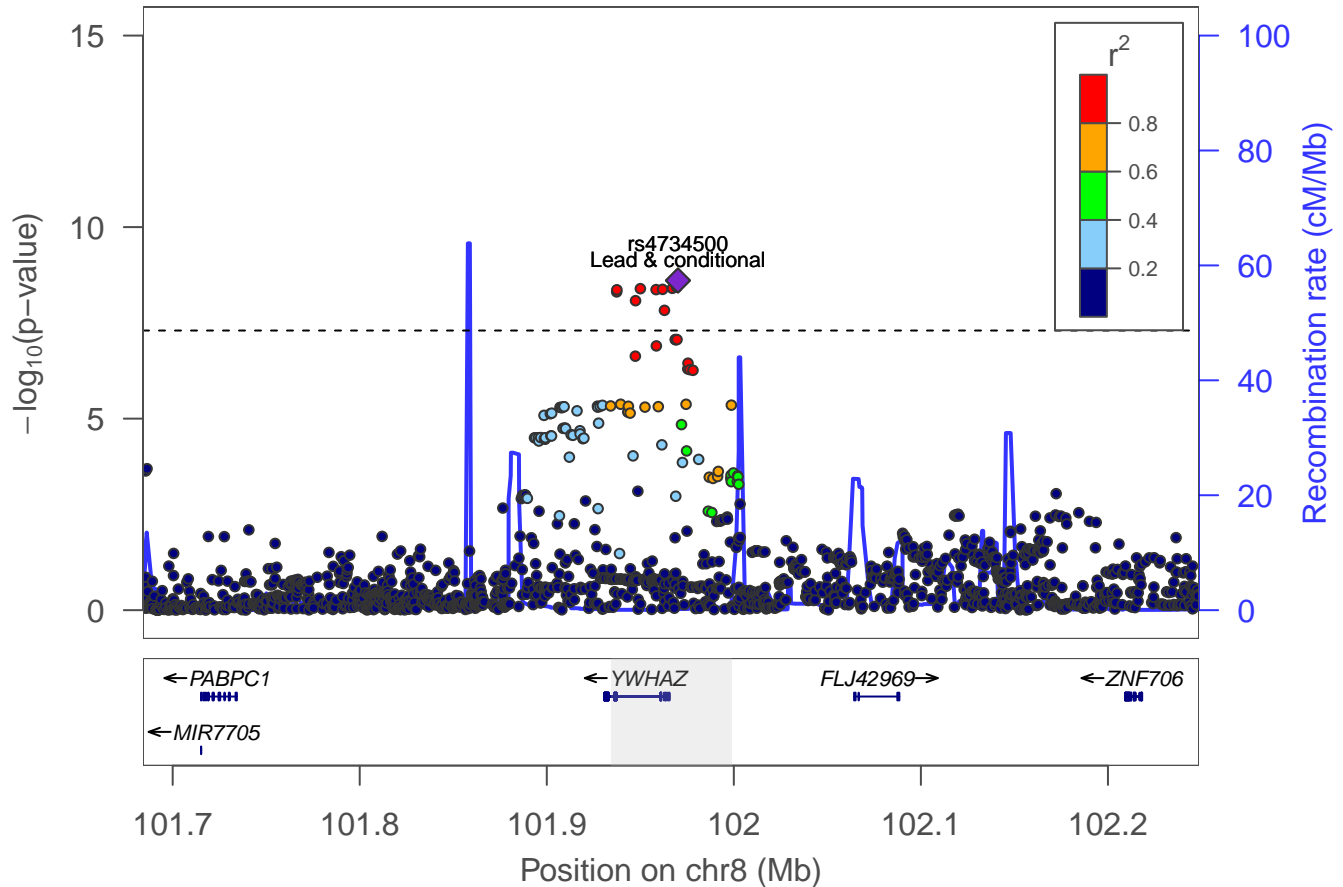
Adventurousness: locus 72 [chr 8:11.430–11.463Mb]



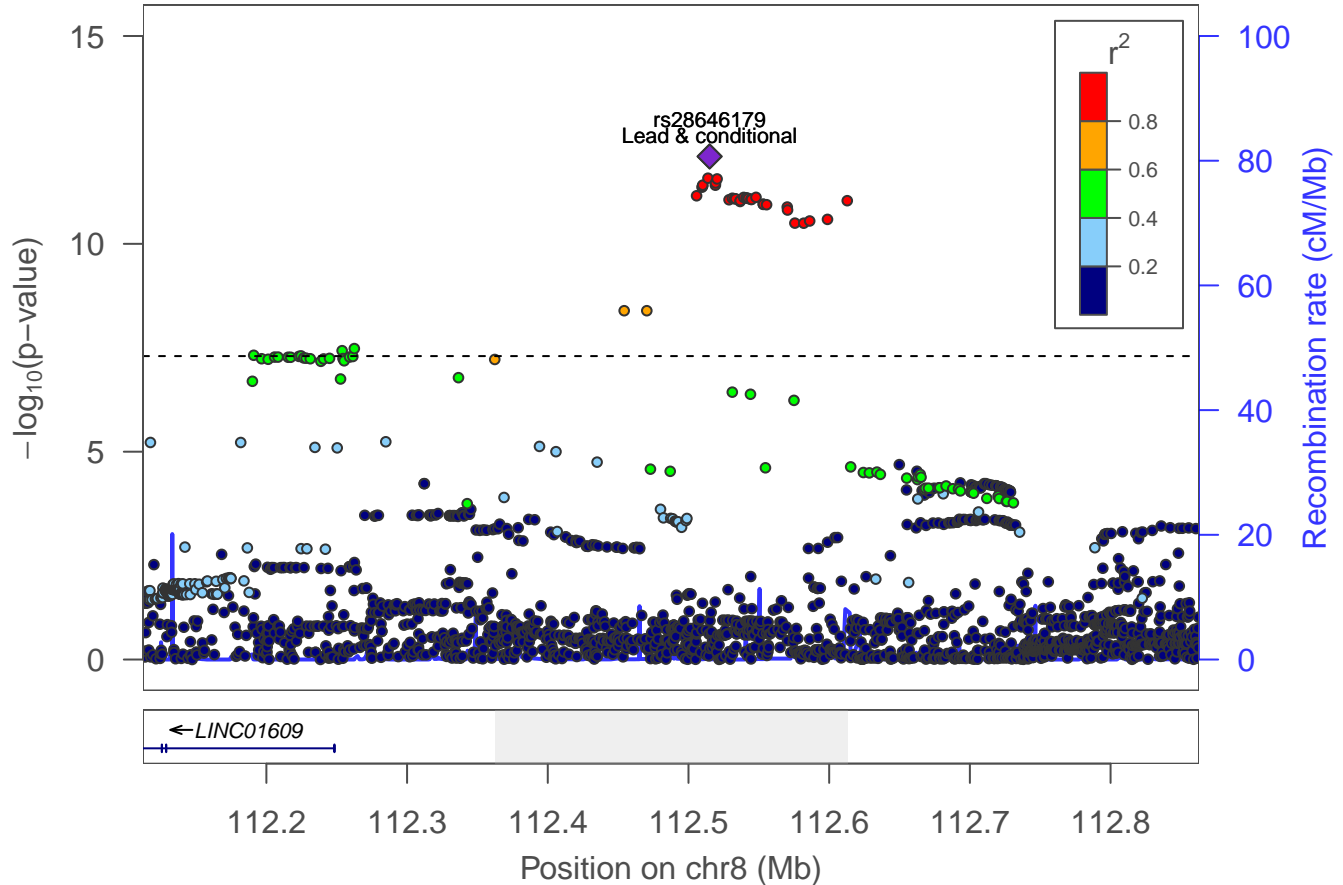
Adventurousness: locus 73 [chr 8:65.438–65.534Mb]



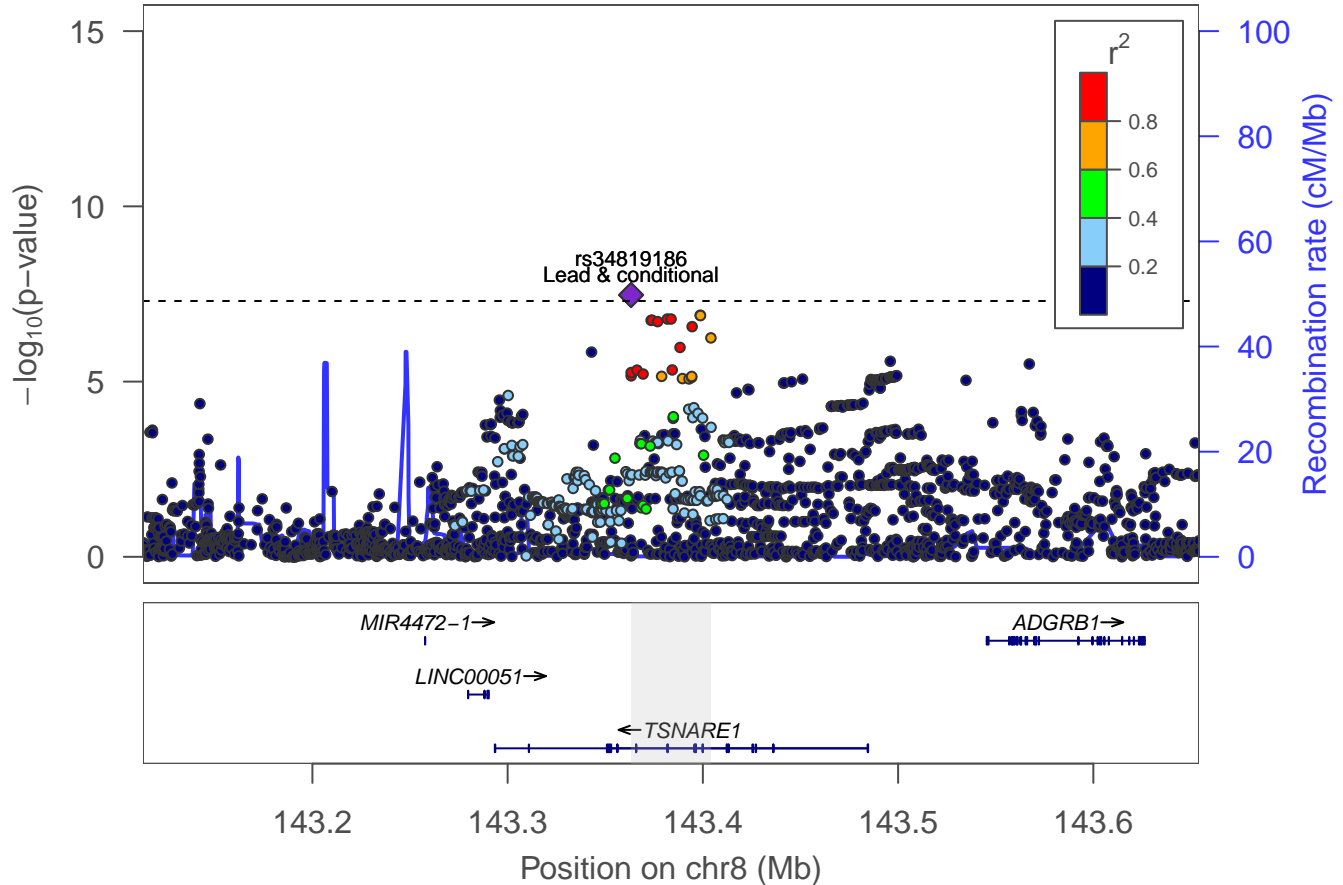
Adventurousness: locus 74 [chr 8:101.934–101.999Mb]



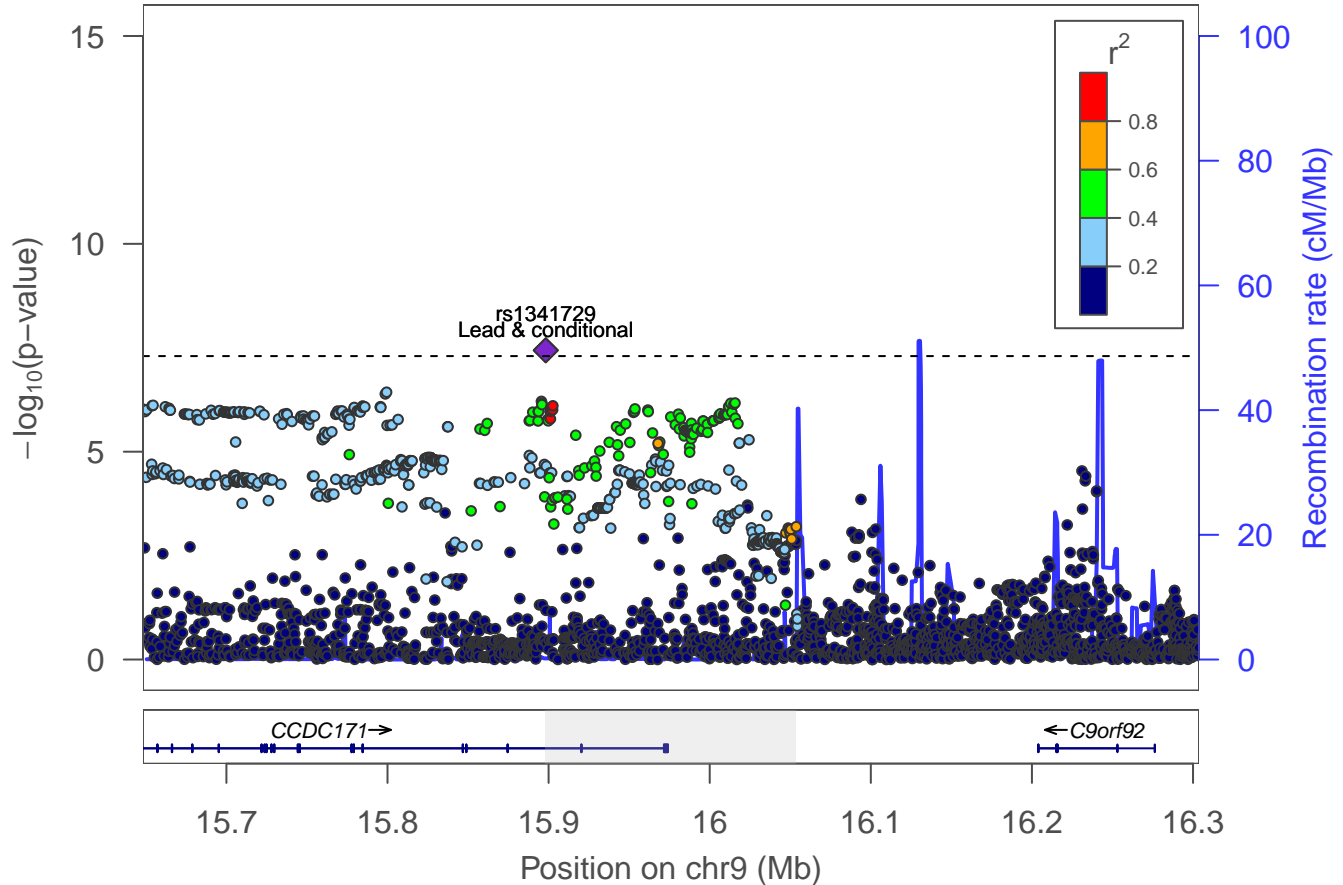
Adventurousness: locus 75 [chr 8:112.362–112.613Mb]



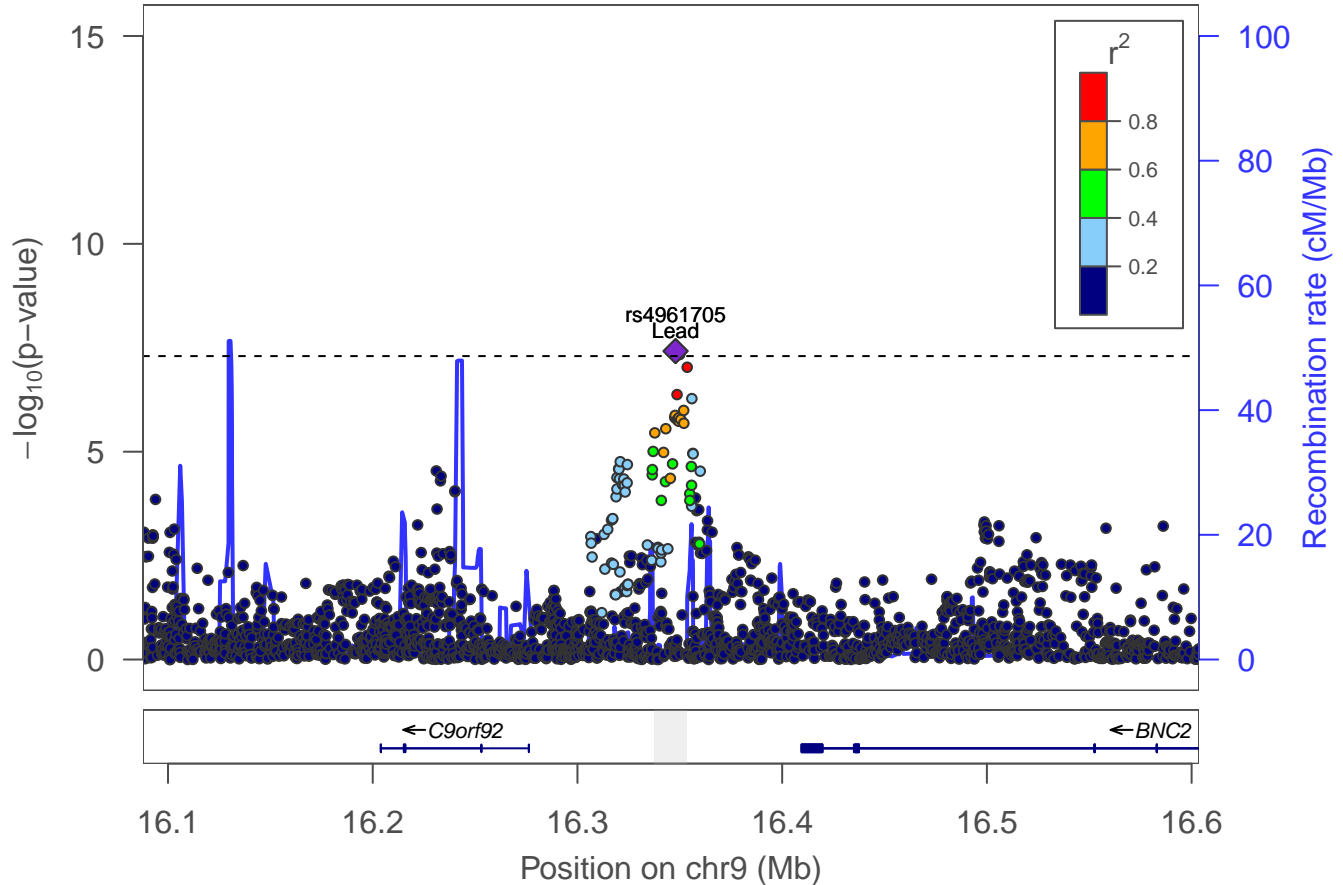
Adventurousness: locus 76 [chr 8:143.363–143.404Mb]



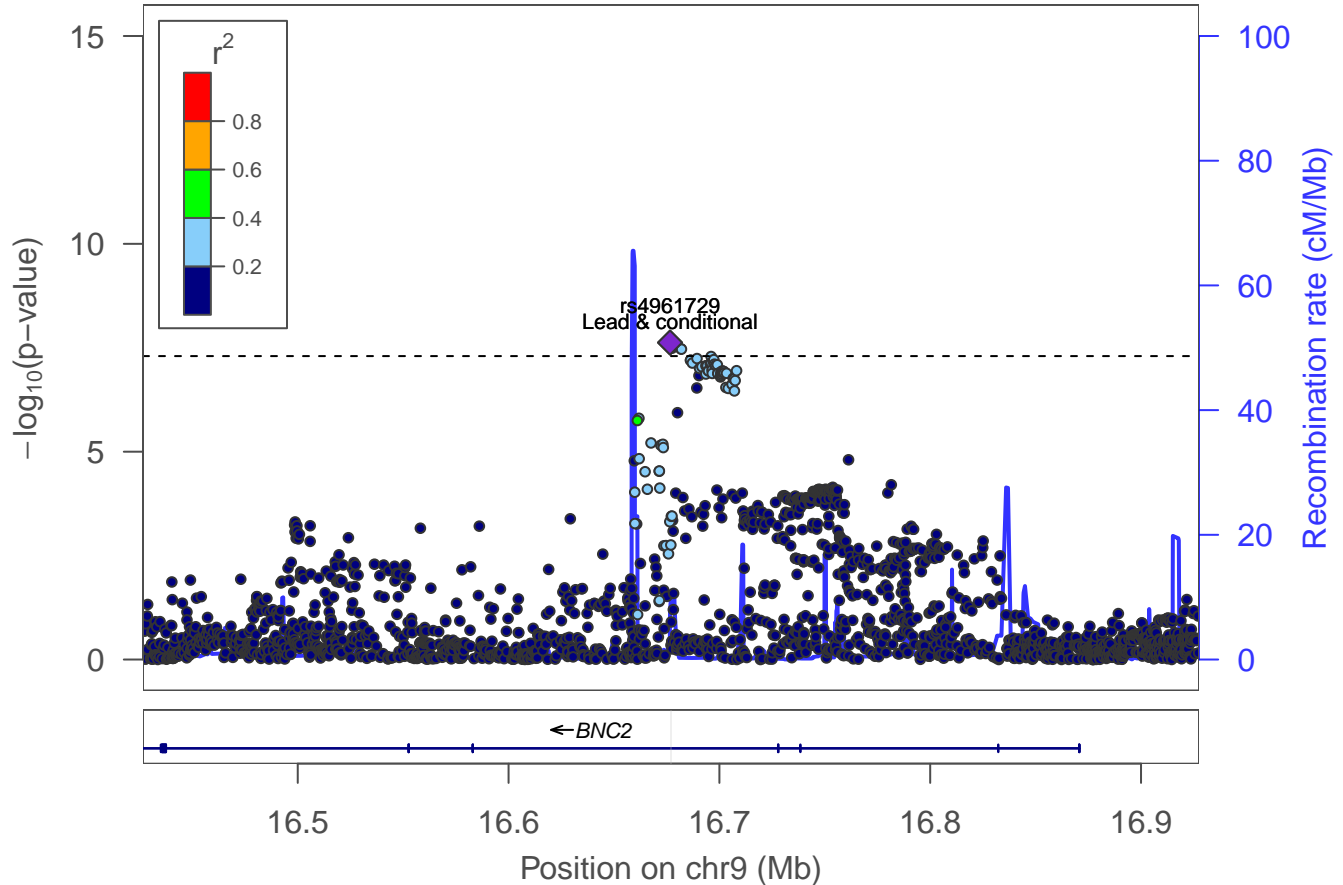
Adventurousness: locus 77 [chr 9:15.898–16.054Mb]



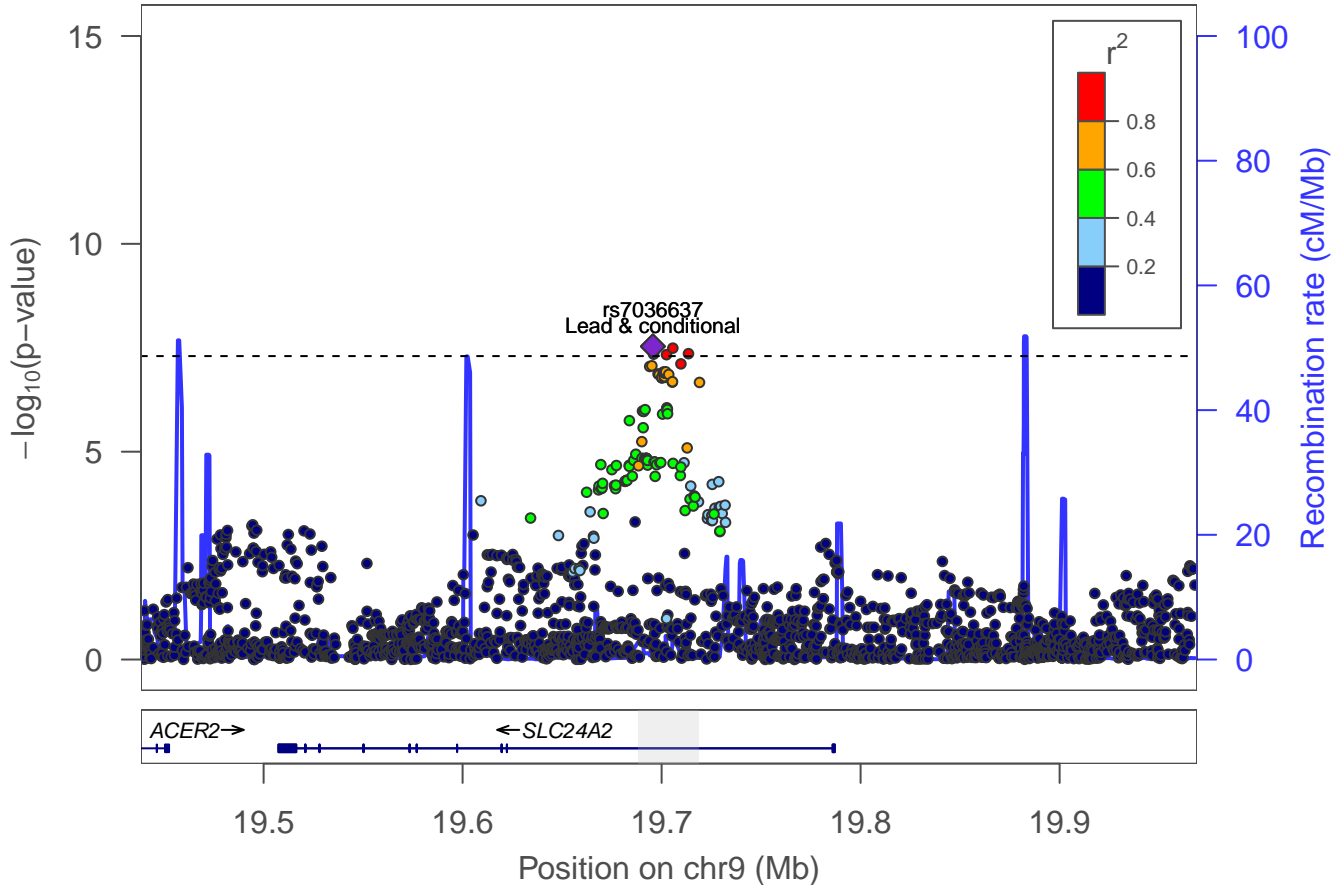
Adventurousness: locus 78 [chr 9:16.338–16.354Mb]



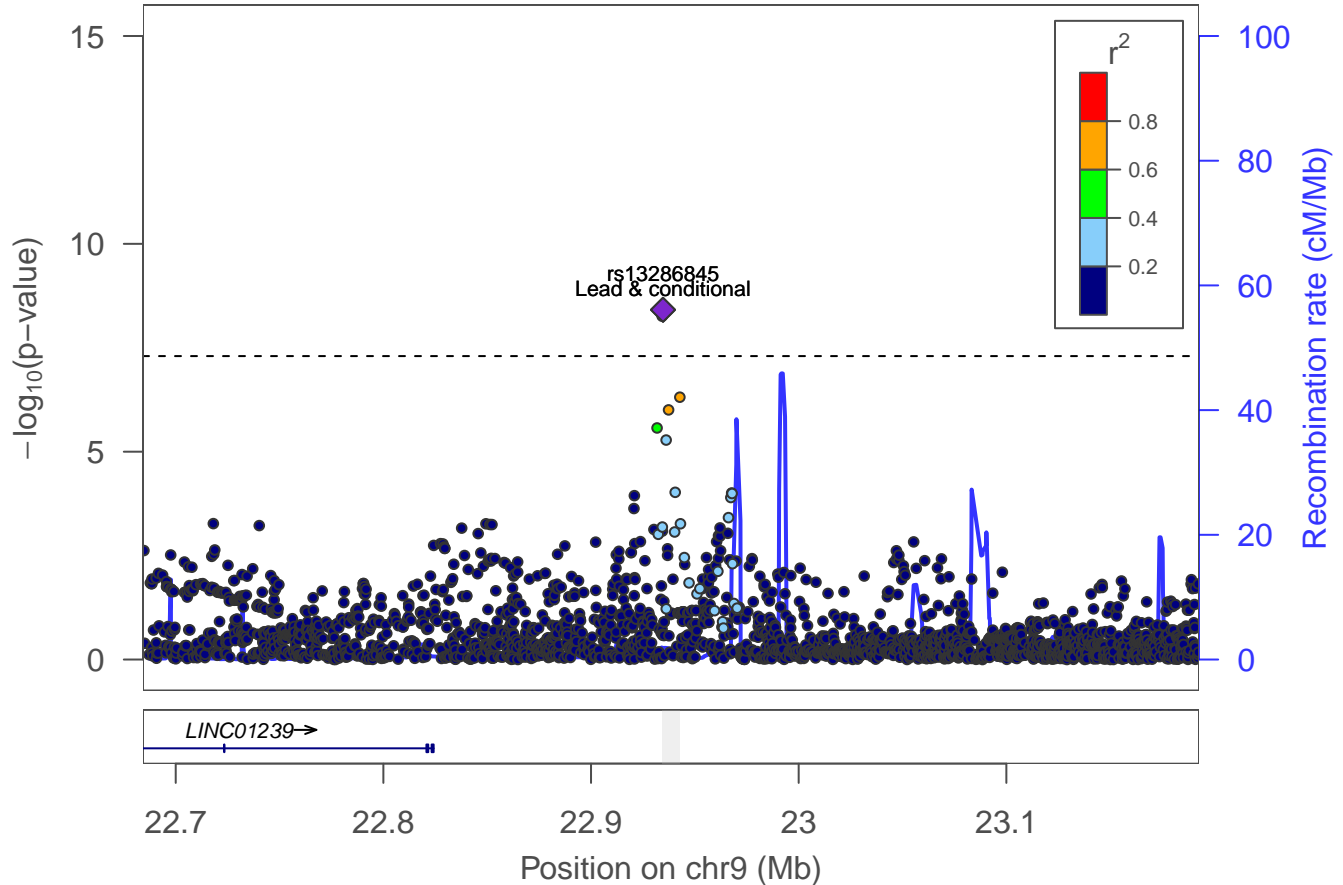
Adventurousness: locus 79 [chr 9:16.677–16.677Mb]



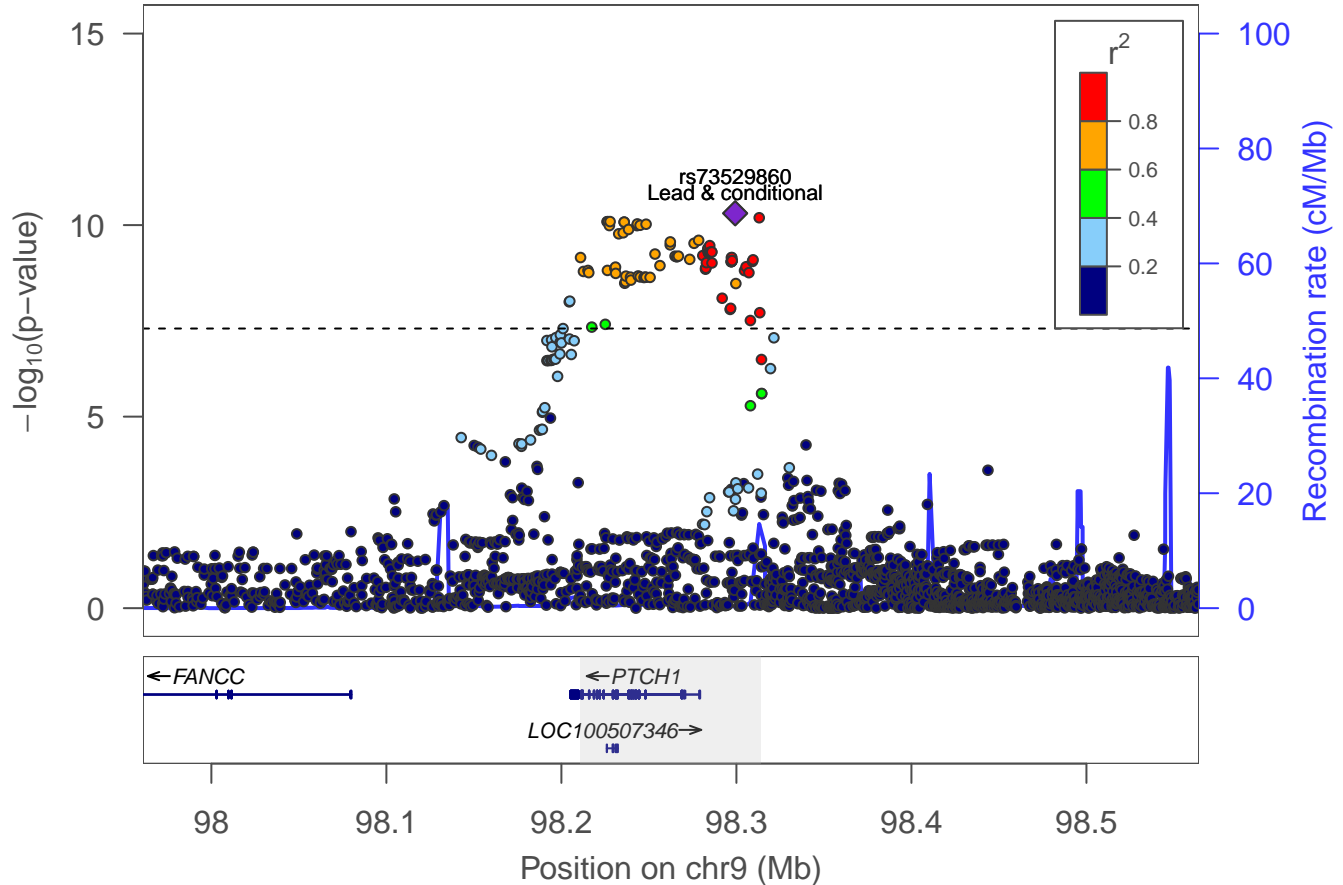
Adventurousness: locus 80 [chr 9:19.688–19.719Mb]



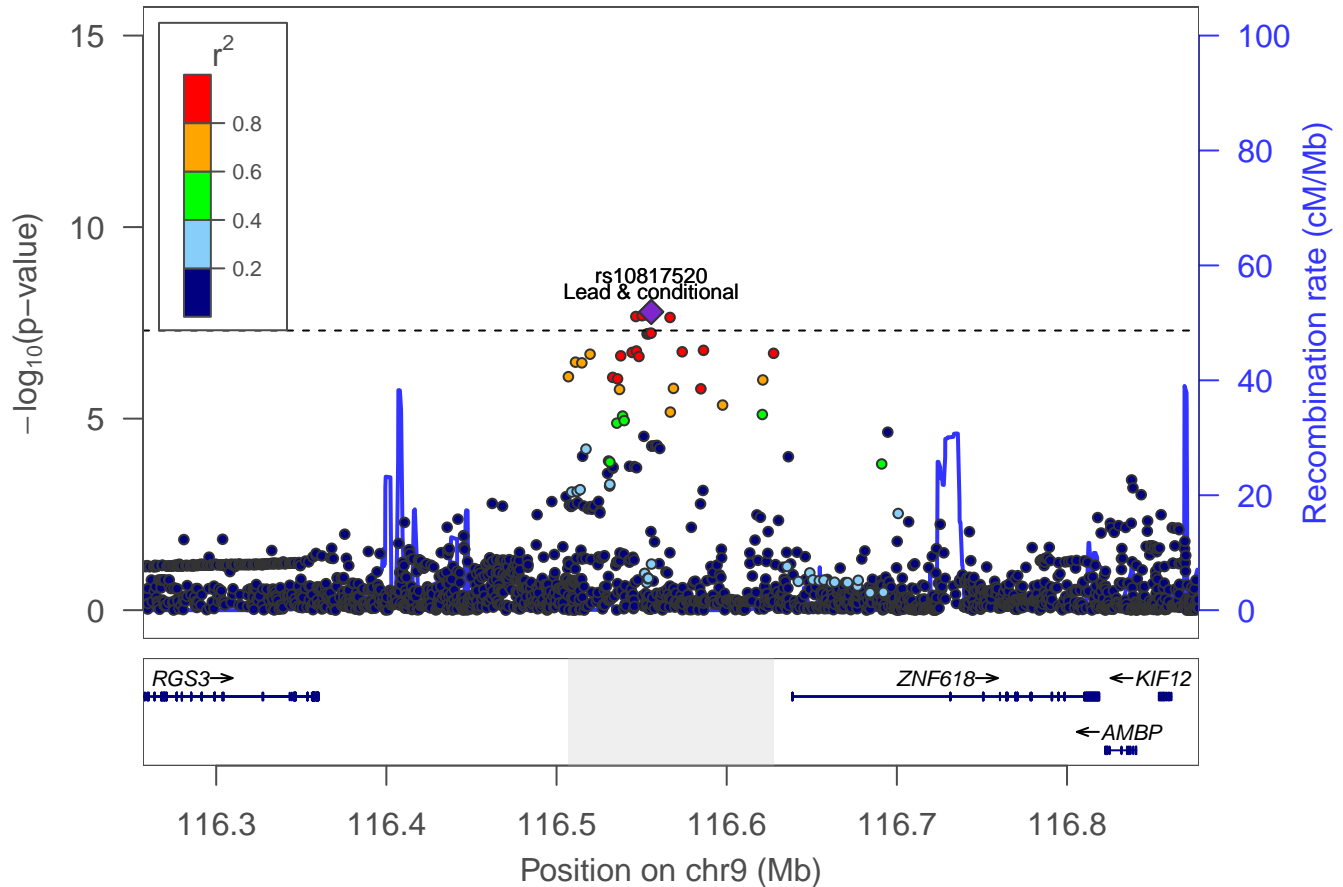
Adventurousness: locus 81 [chr 9:22.934–22.943Mb]



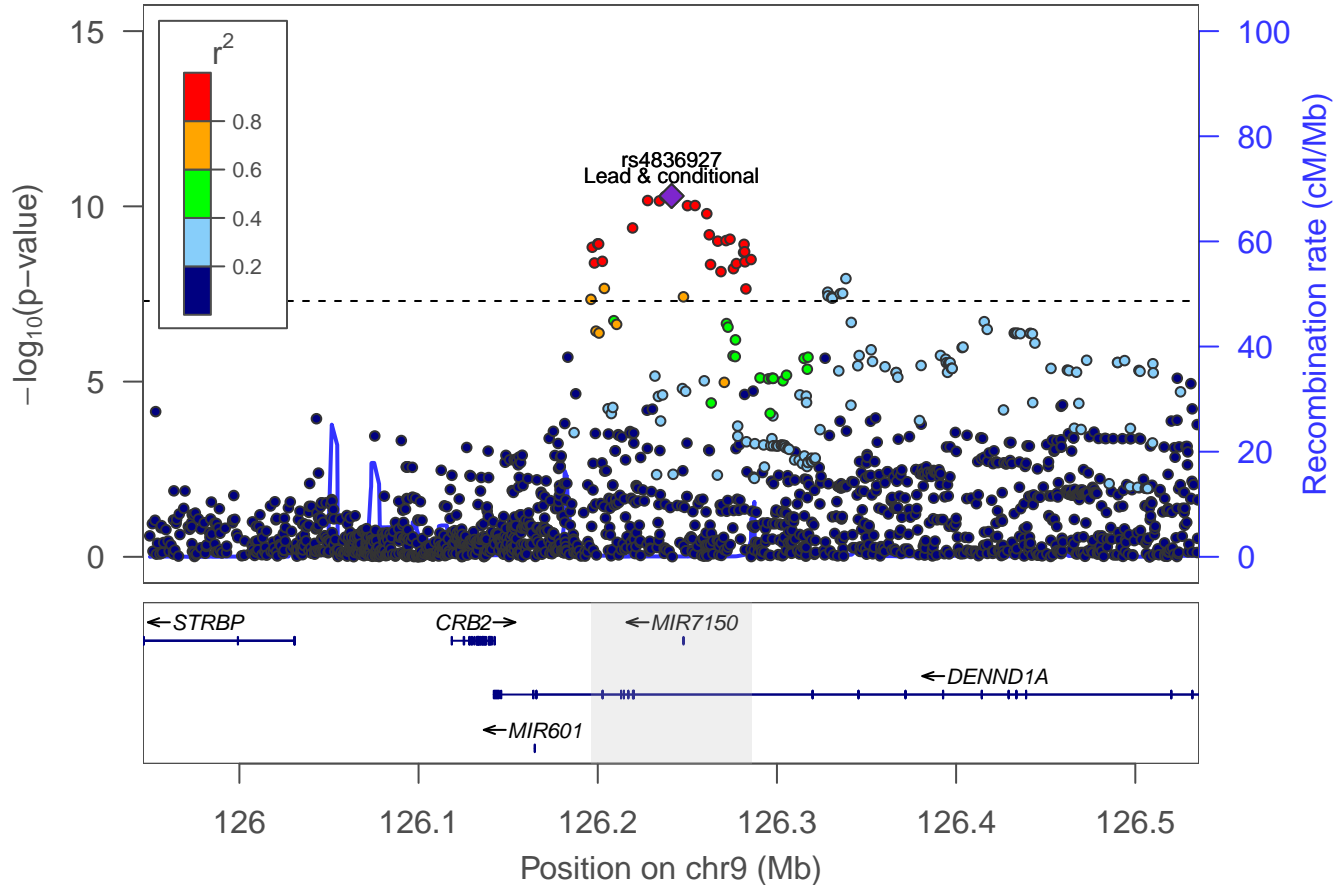
Adventurousness: locus 82 [chr 9:98.211–98.314Mb]



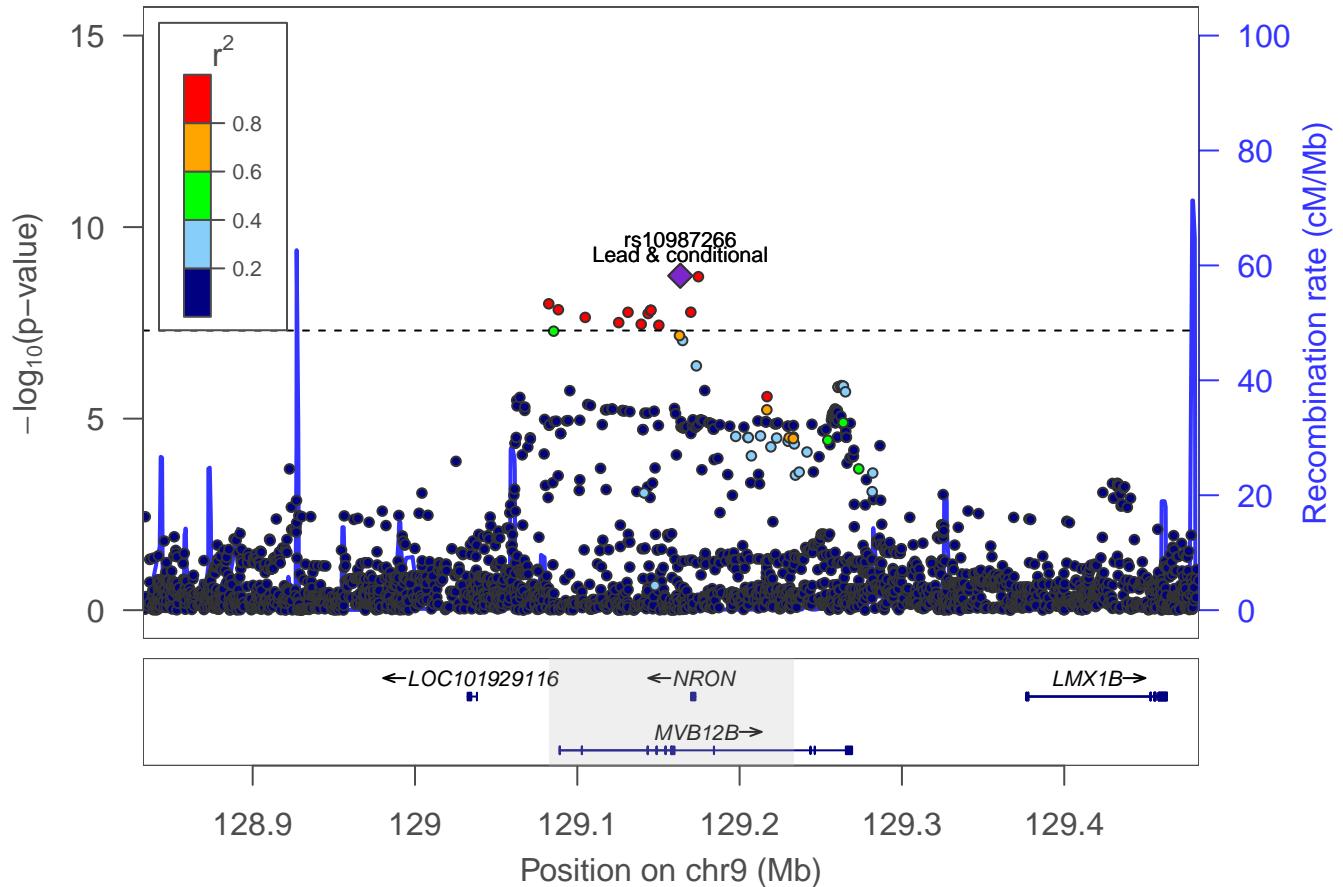
Adventurousness: locus 83 [chr 9:116.507–116.628Mb]



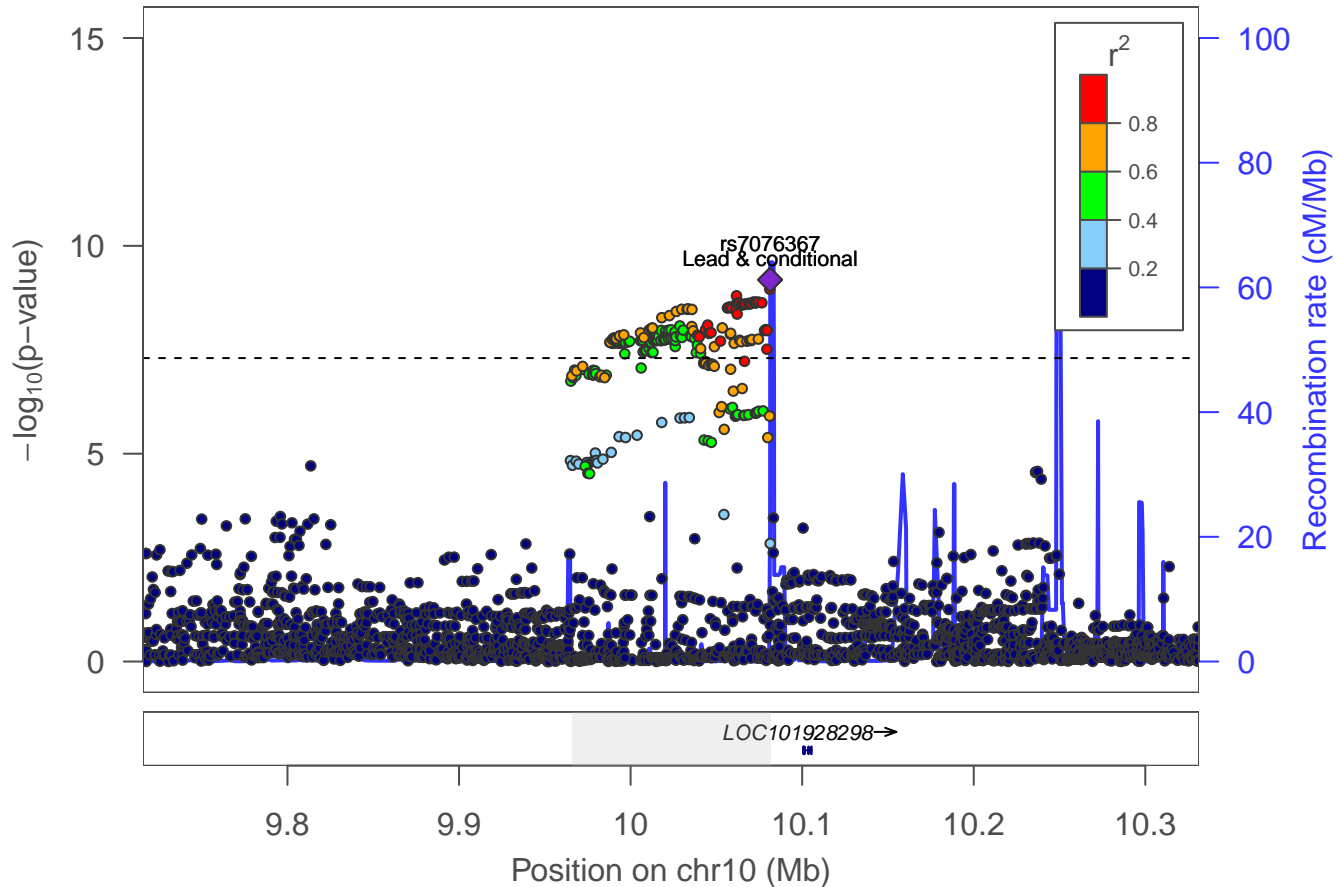
Adventurousness: locus 84 [chr 9:126.196–126.286Mb]



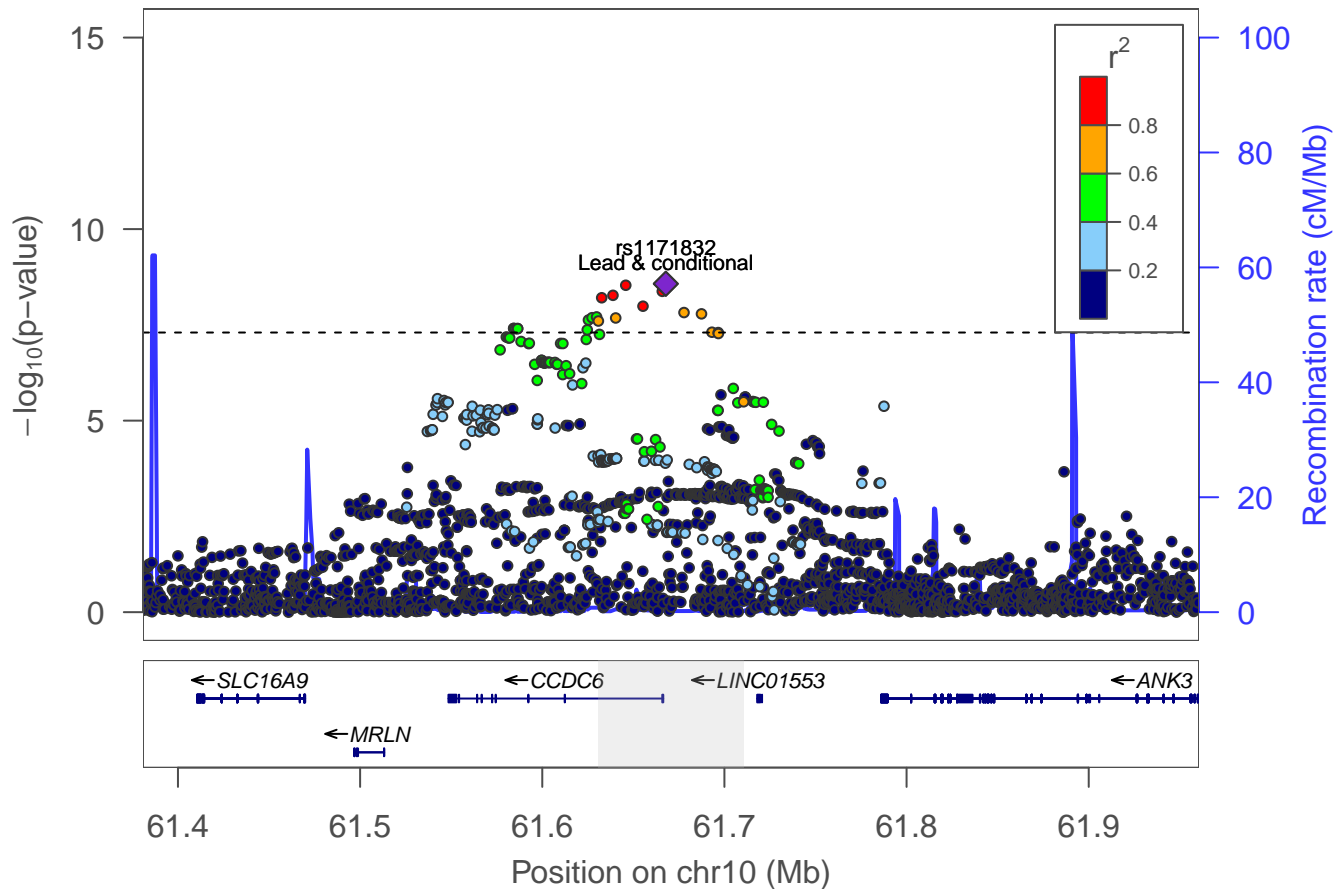
Adventurousness: locus 85 [chr 9:129.082–129.233Mb]



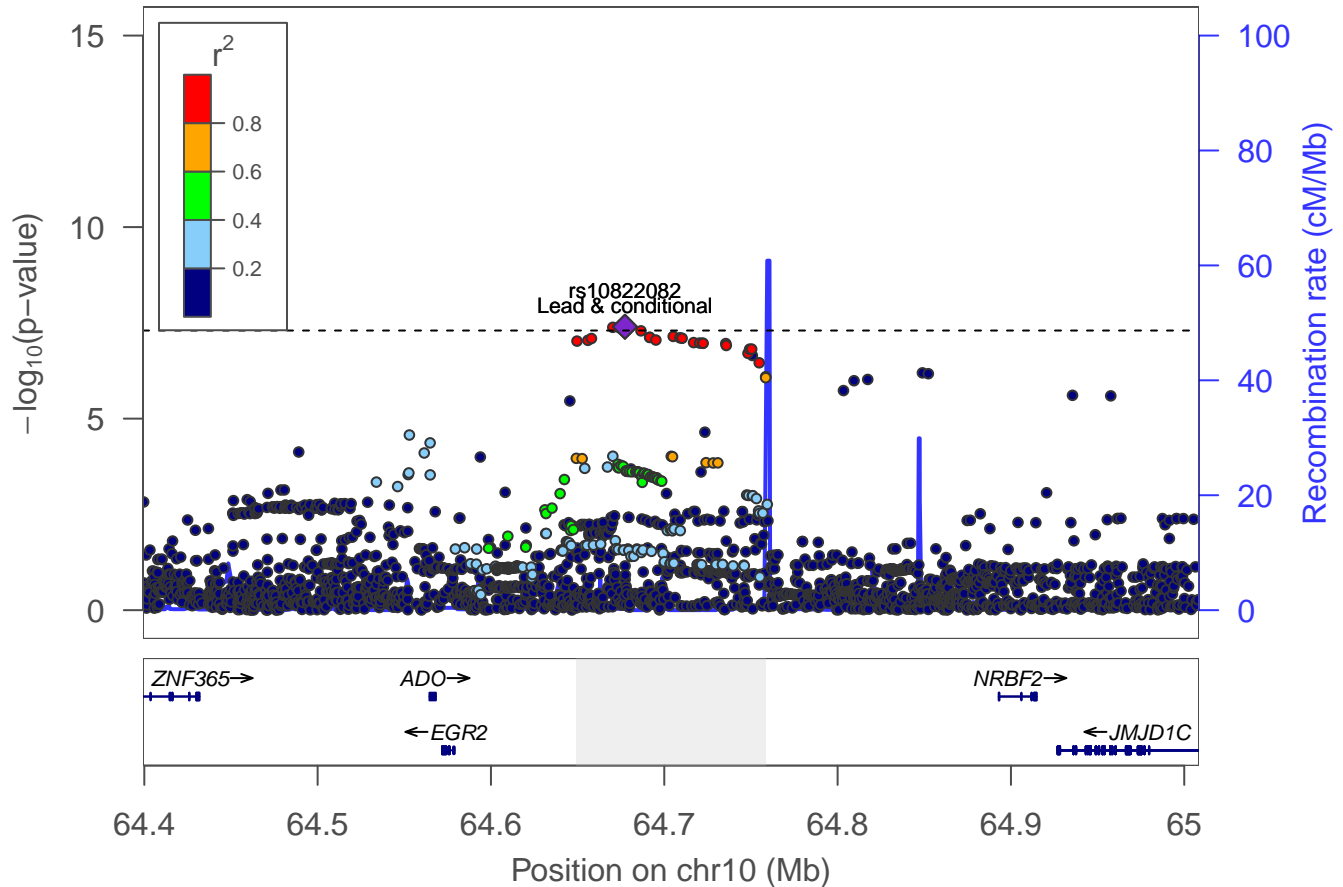
Adventurousness: locus 86 [chr 10:9.966–10.081Mb]



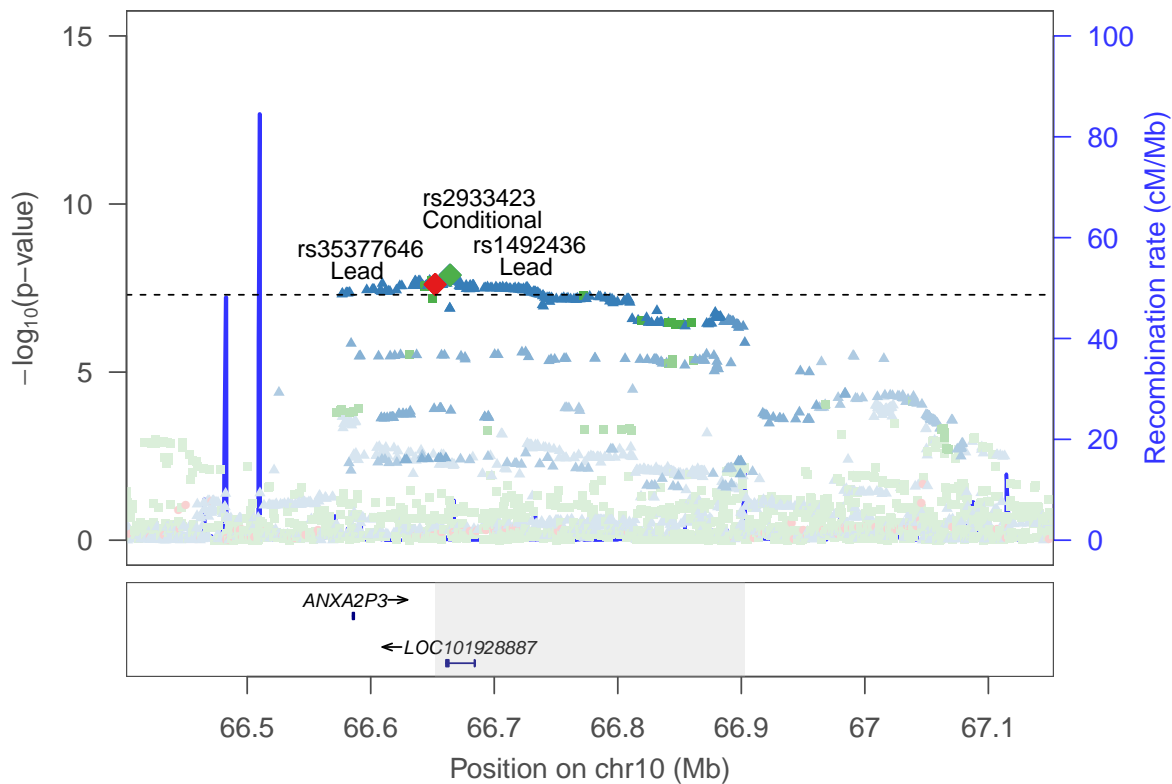
Adventurousness: locus 87 [chr 10:61.631–61.711Mb]



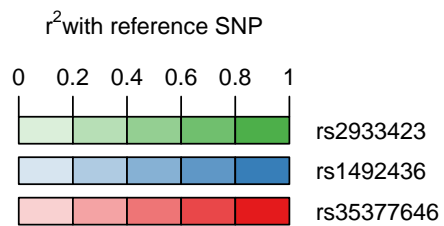
Adventurousness: locus 88 [chr 10:64.649–64.759Mb]



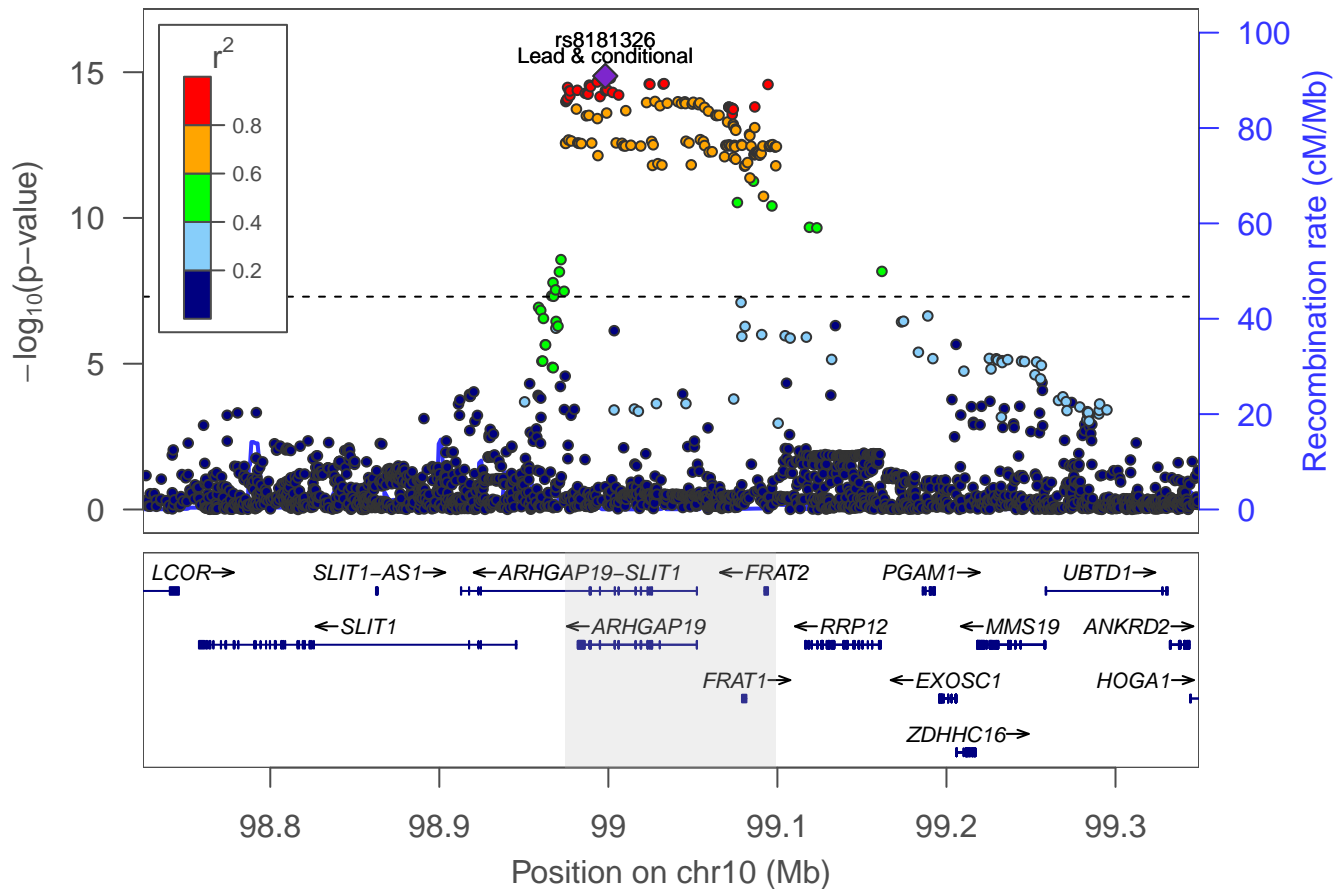
Adventurousness: Locus 89 [chr 10: 66.652–66.903Mb]



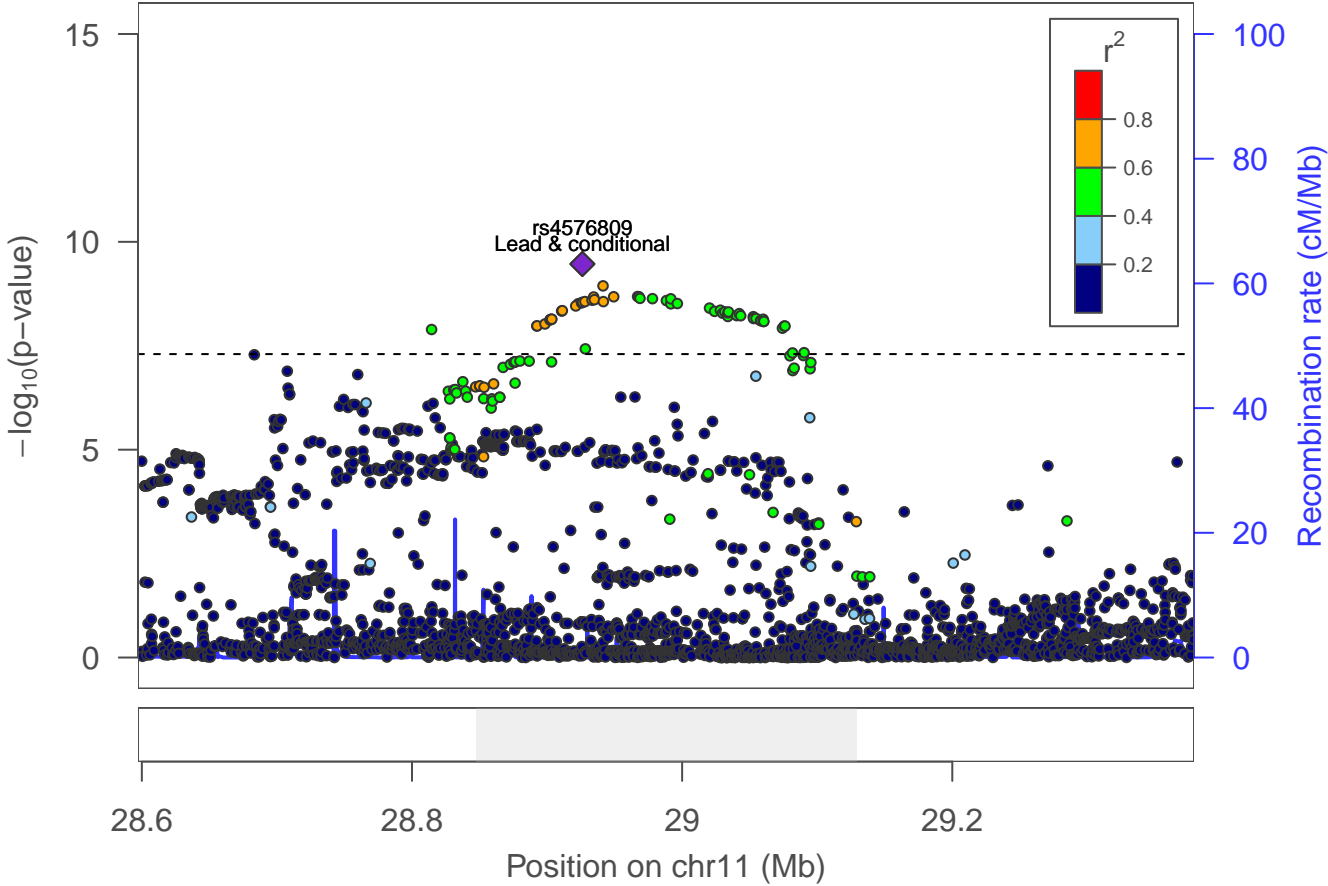
rs2933423 ■
rs1492436 ▲
rs35377646 ●



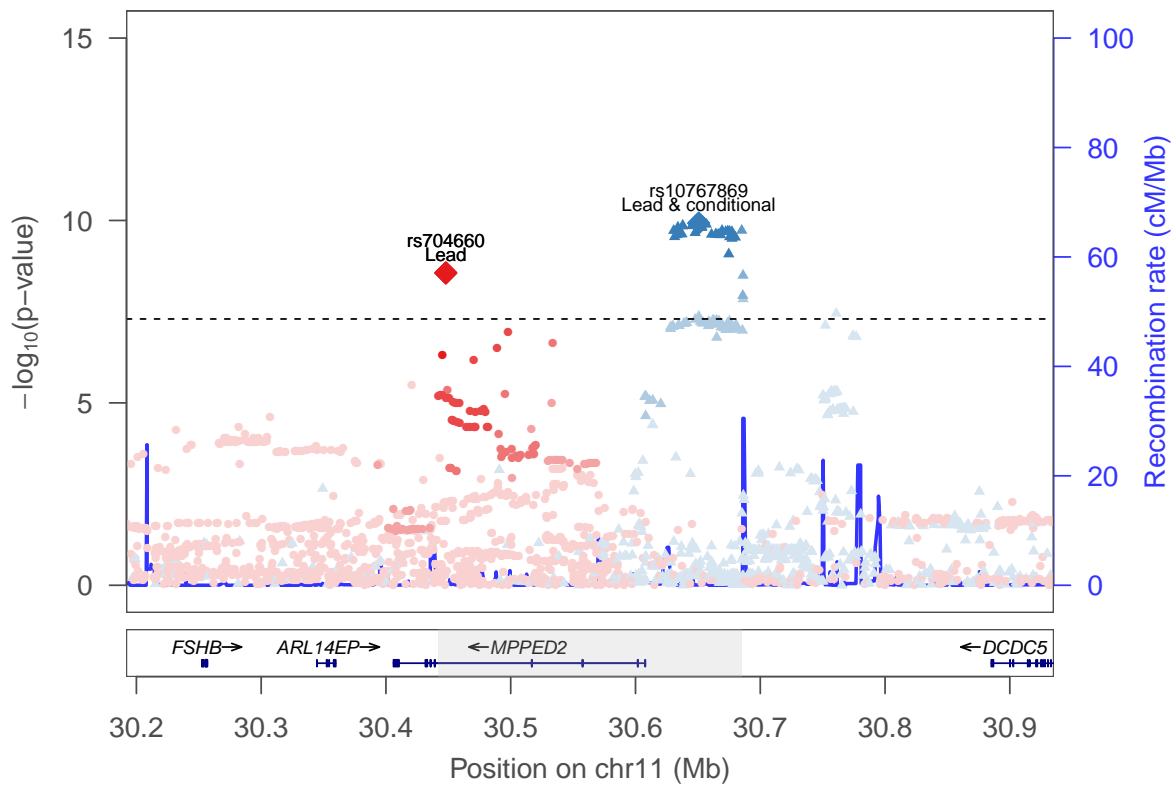
Adventurousness: locus 90 [chr 10:98.975–99.099Mb]



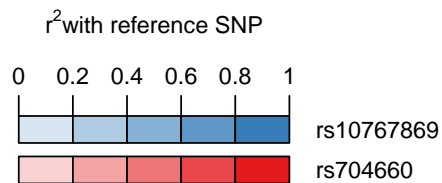
Adventurousness: locus 91 [chr 11:28.847–29.129Mb]



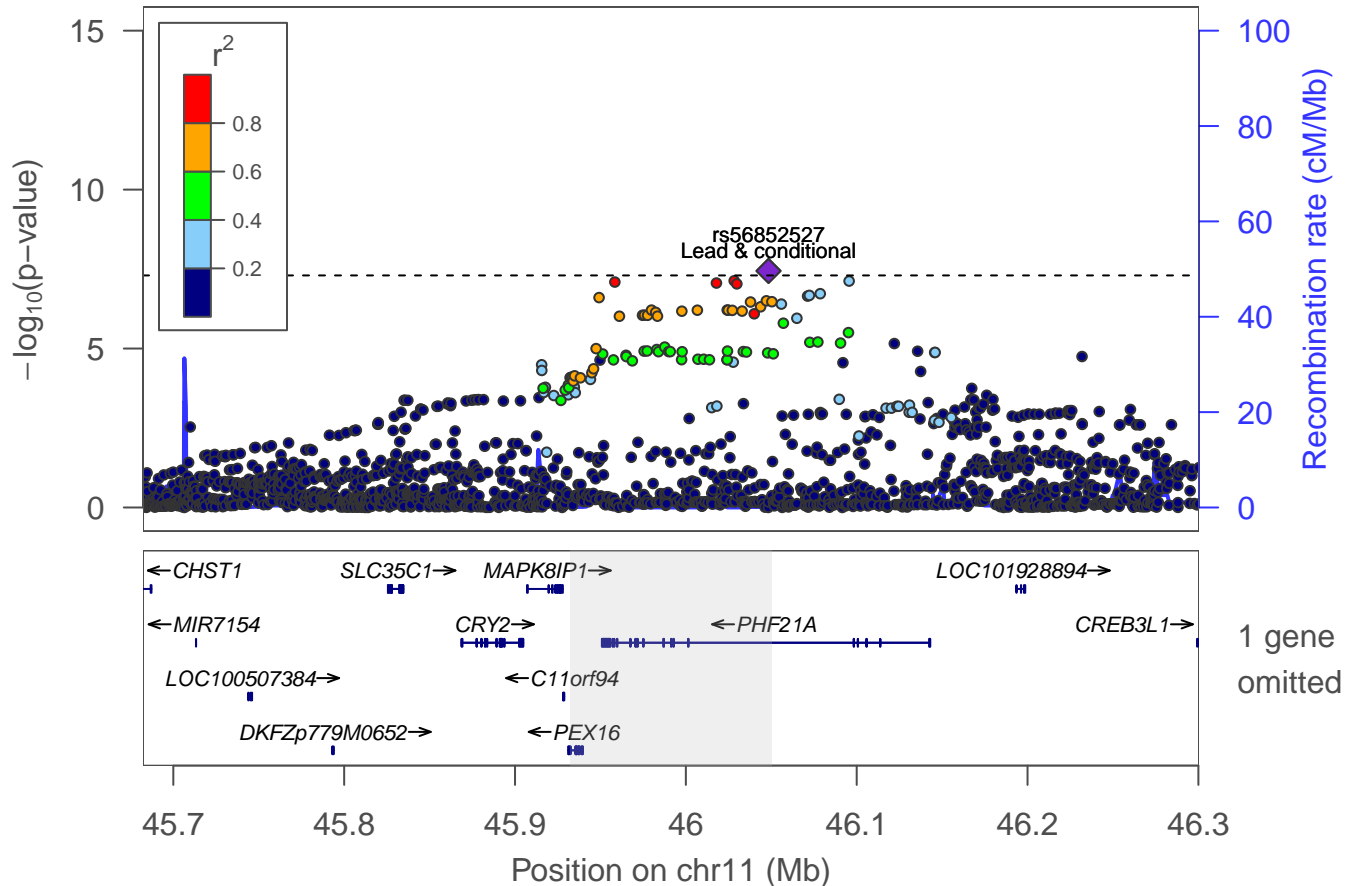
Adventurousness: Locus 92 [chr 11: 30.442–30.685Mb]



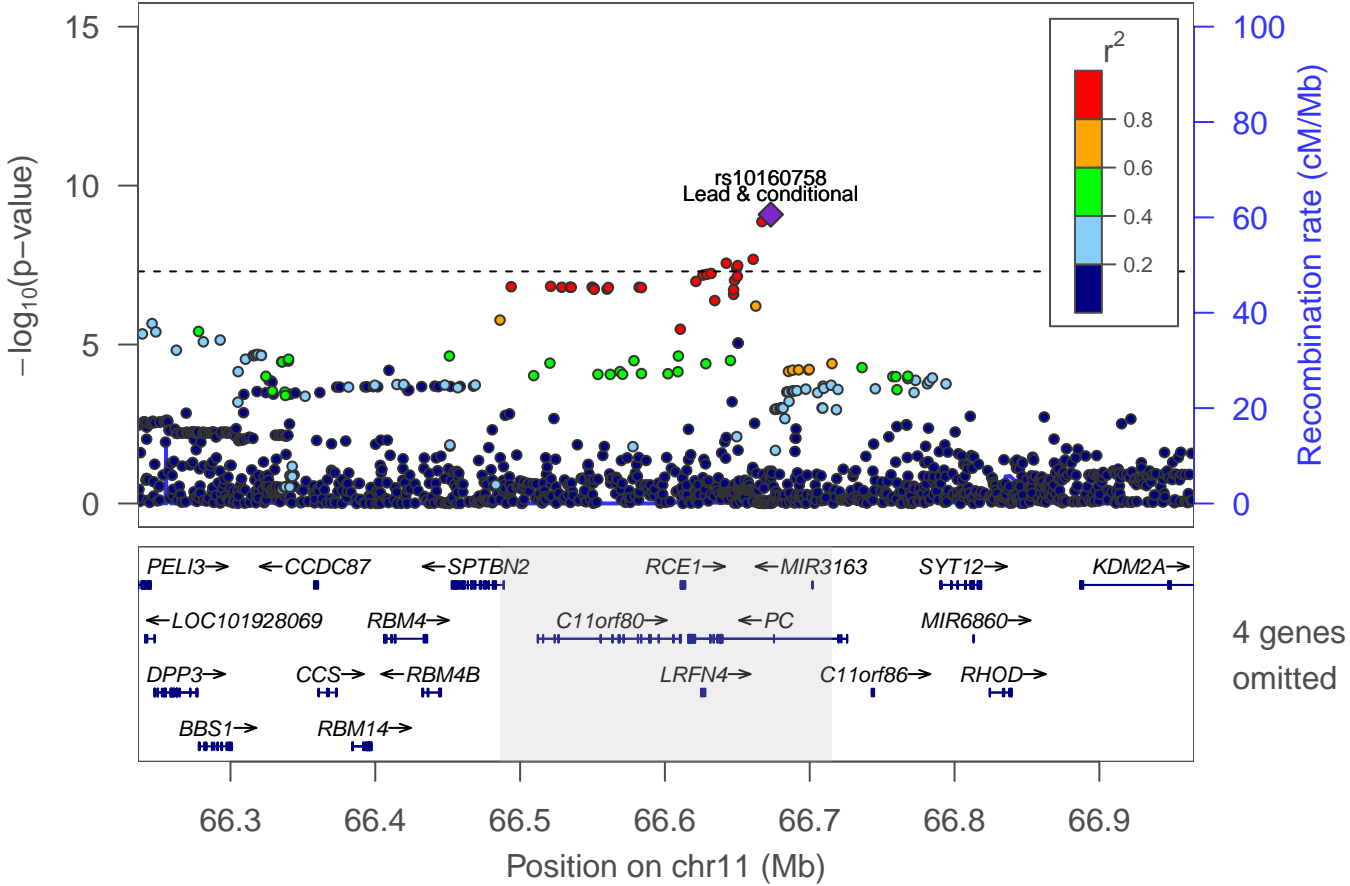
rs10767869 ▲
rs704660 ●



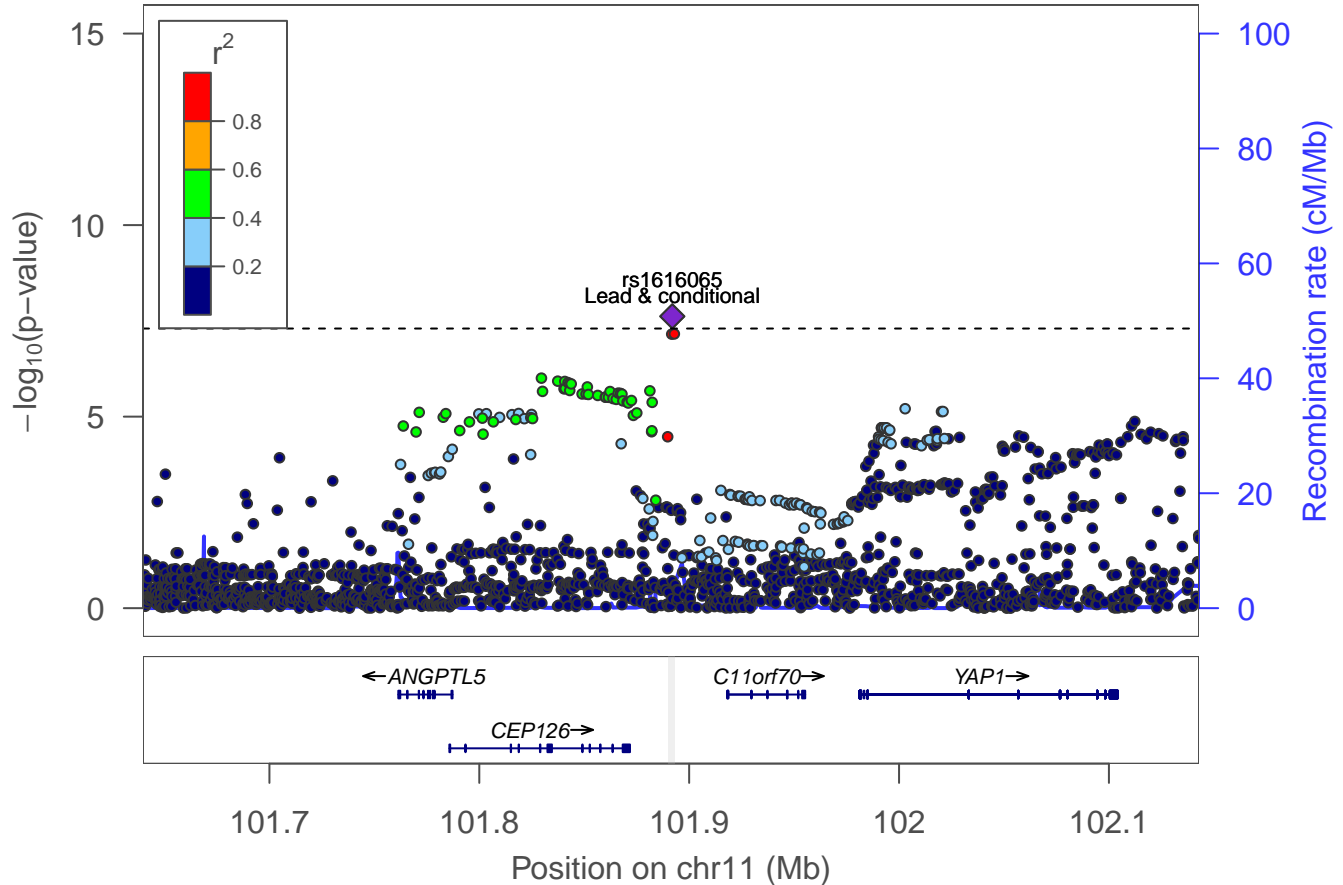
Adventurousness: locus 93 [chr 11:45.932–46.050Mb]



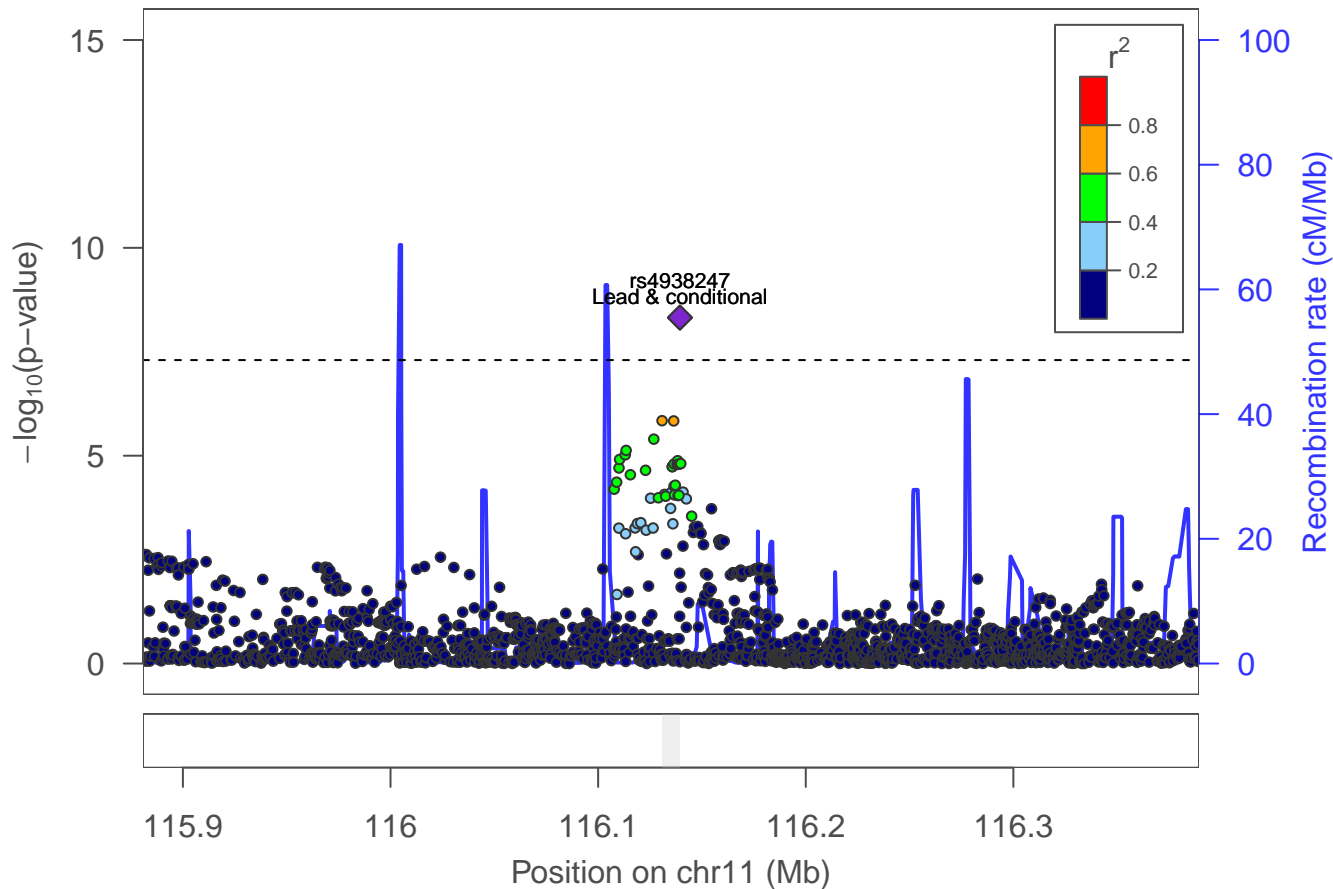
Adventurousness: locus 94 [chr 11:66.486–66.715Mb]



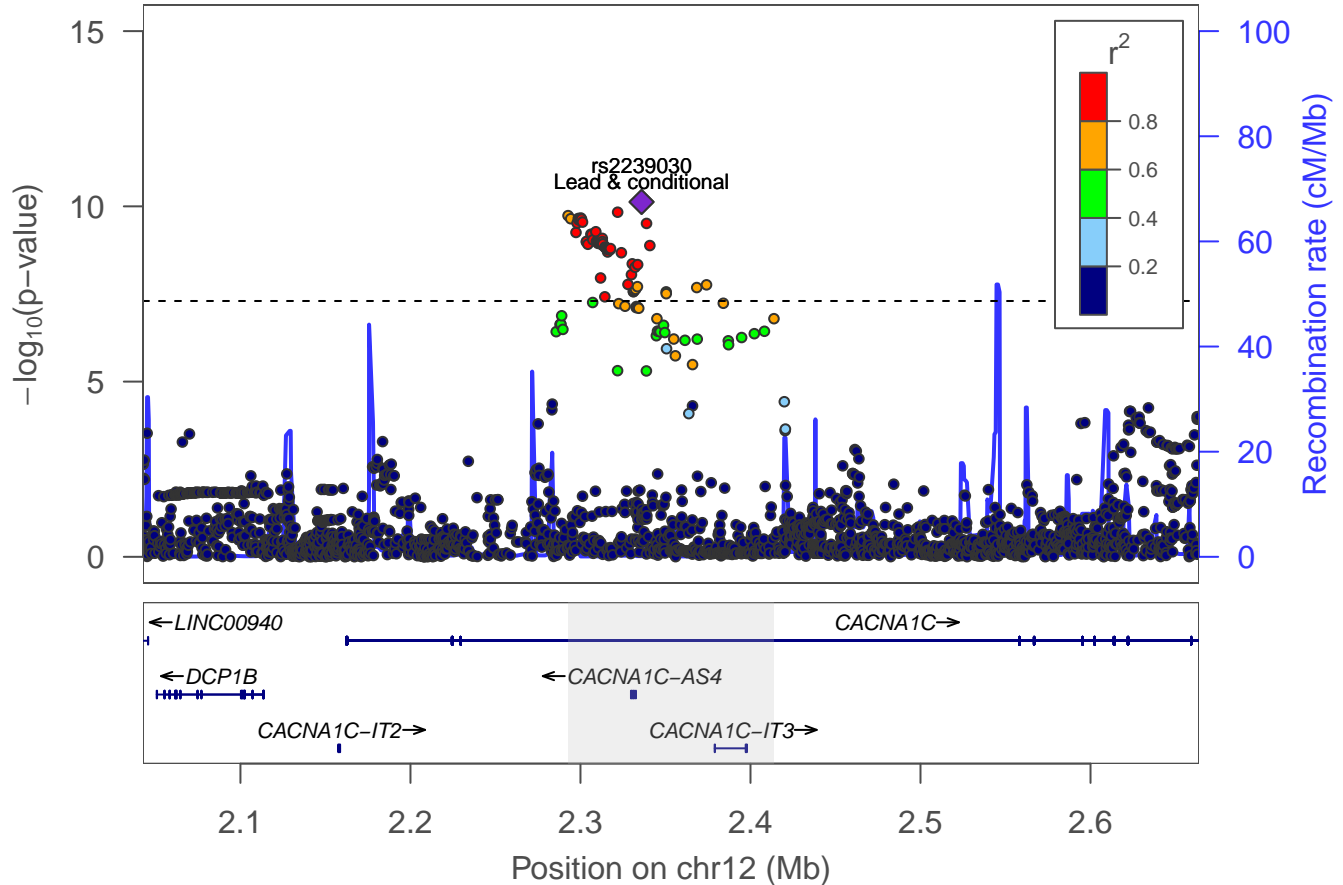
Adventurousness: locus 95 [chr 11:101.890–101.893Mb]



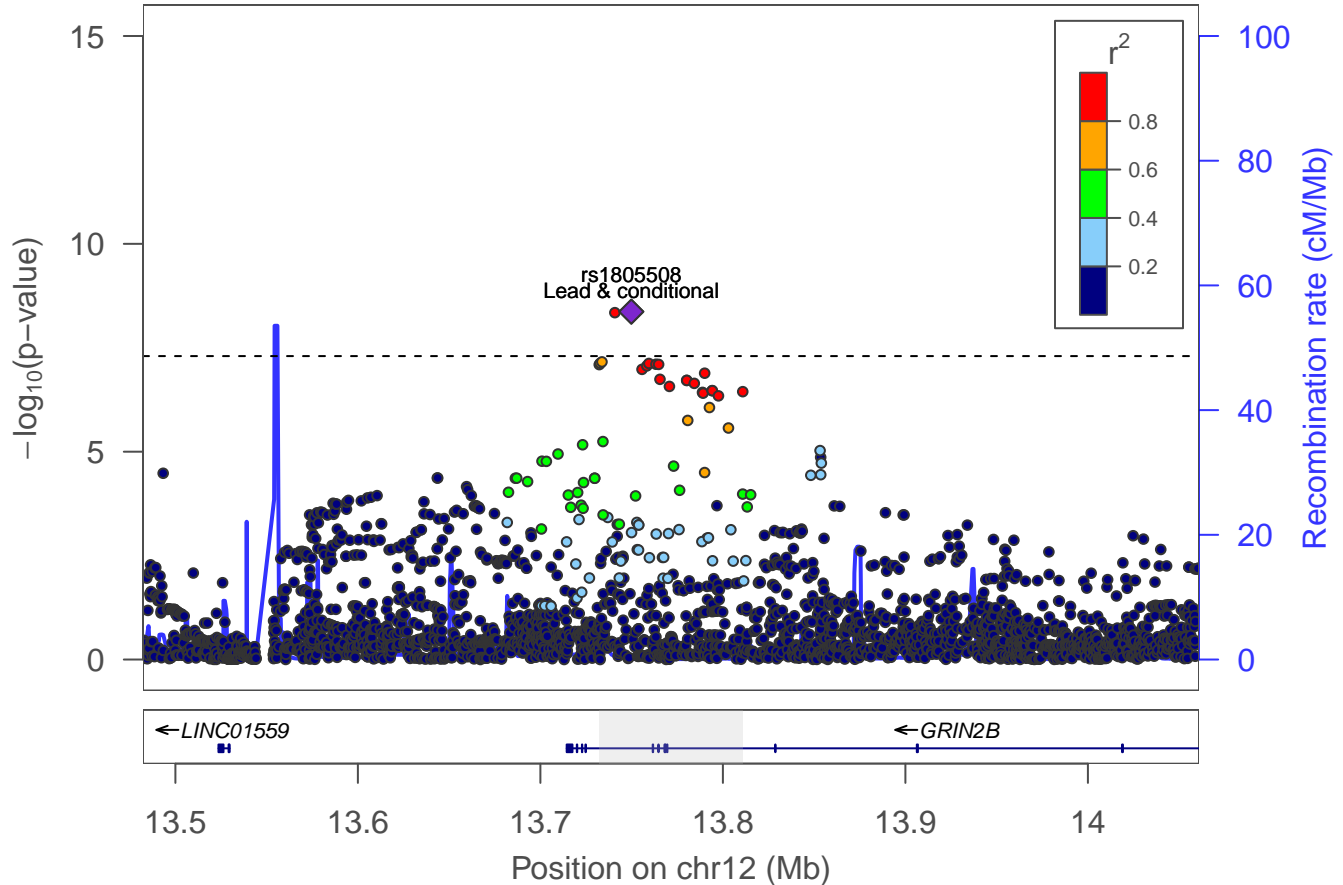
Adventurousness: locus 96 [chr 11:116.131–116.139Mb]



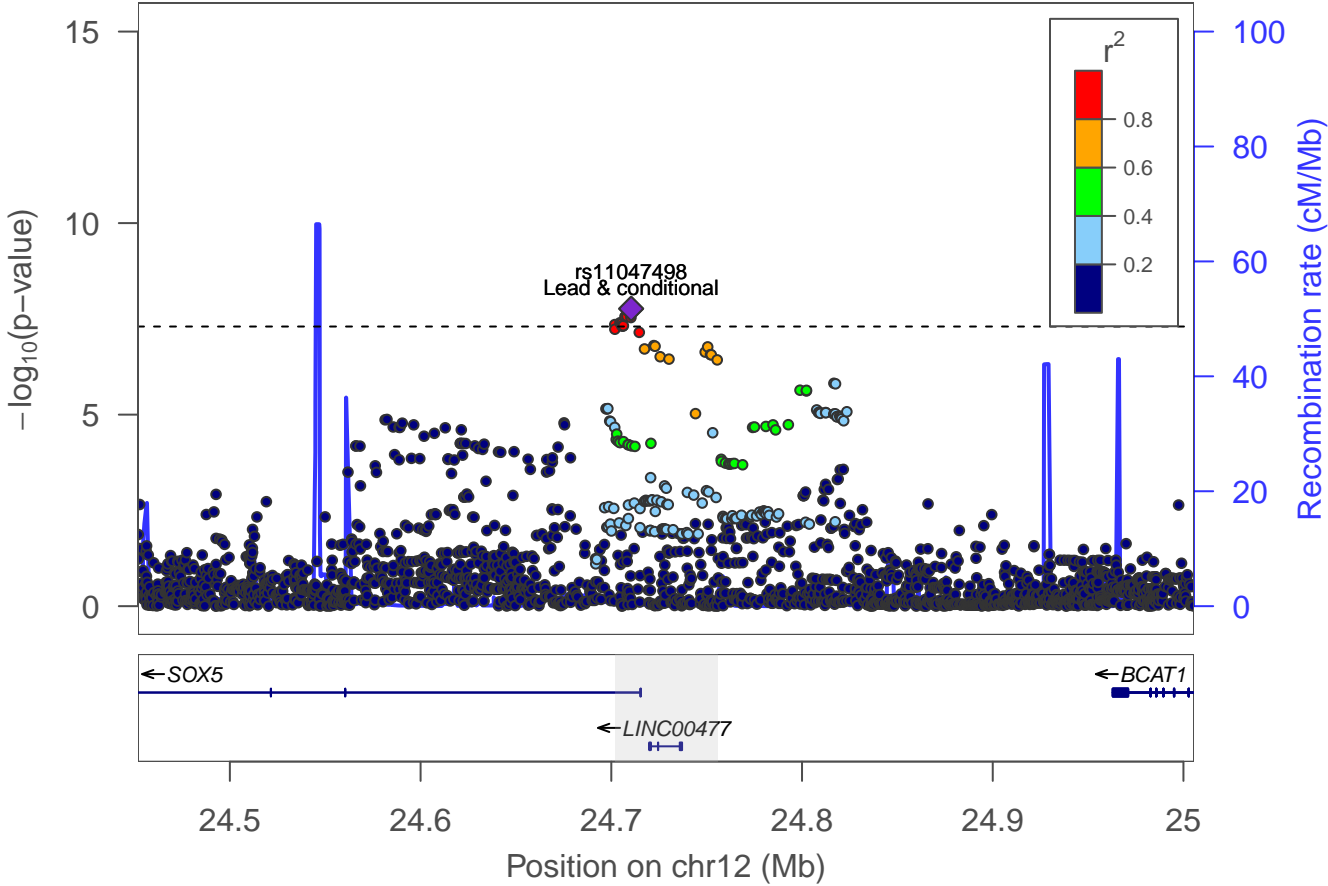
Adventurousness: locus 97 [chr 12:2.293–2.414Mb]



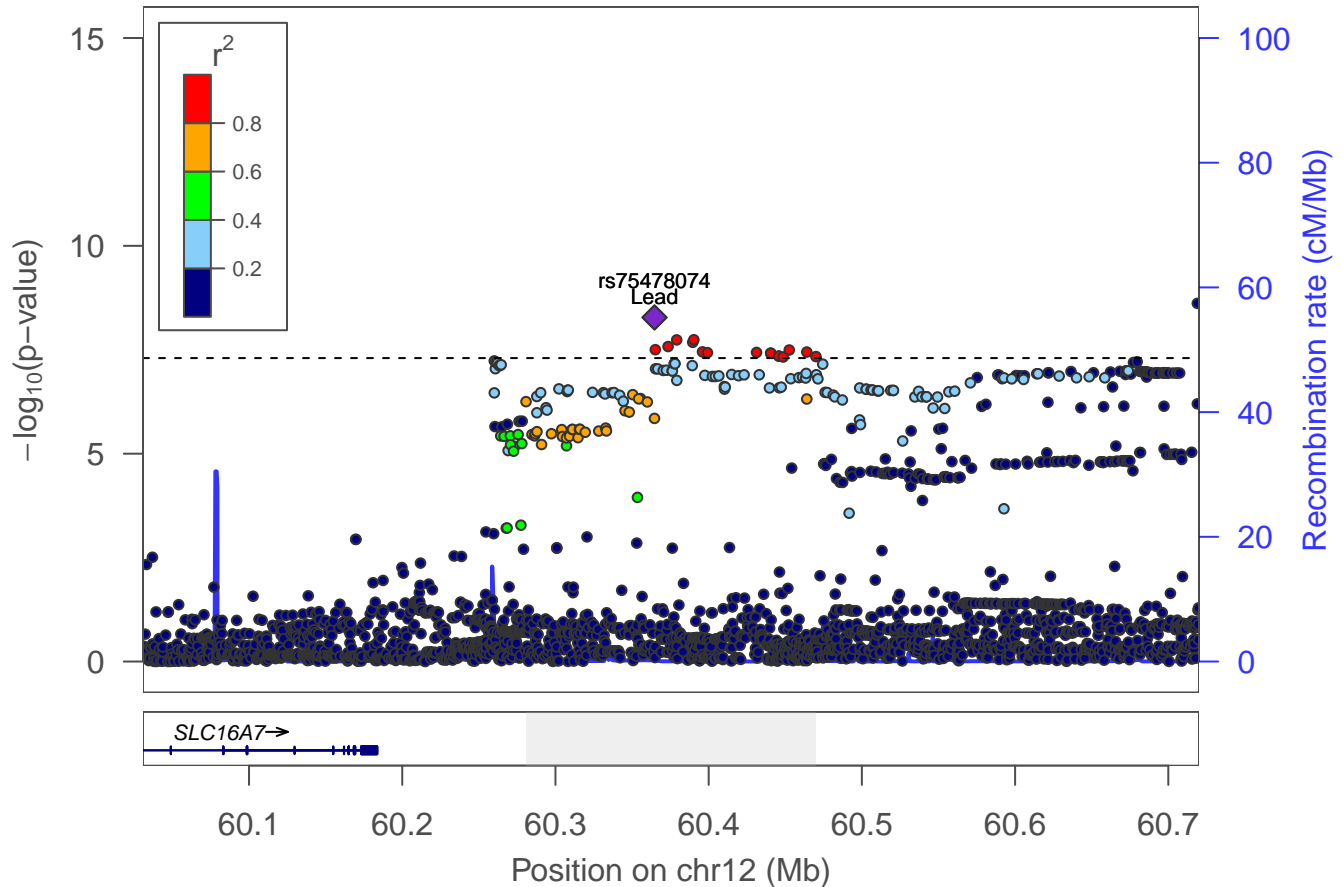
Adventurousness: locus 98 [chr 12:13.732–13.811Mb]



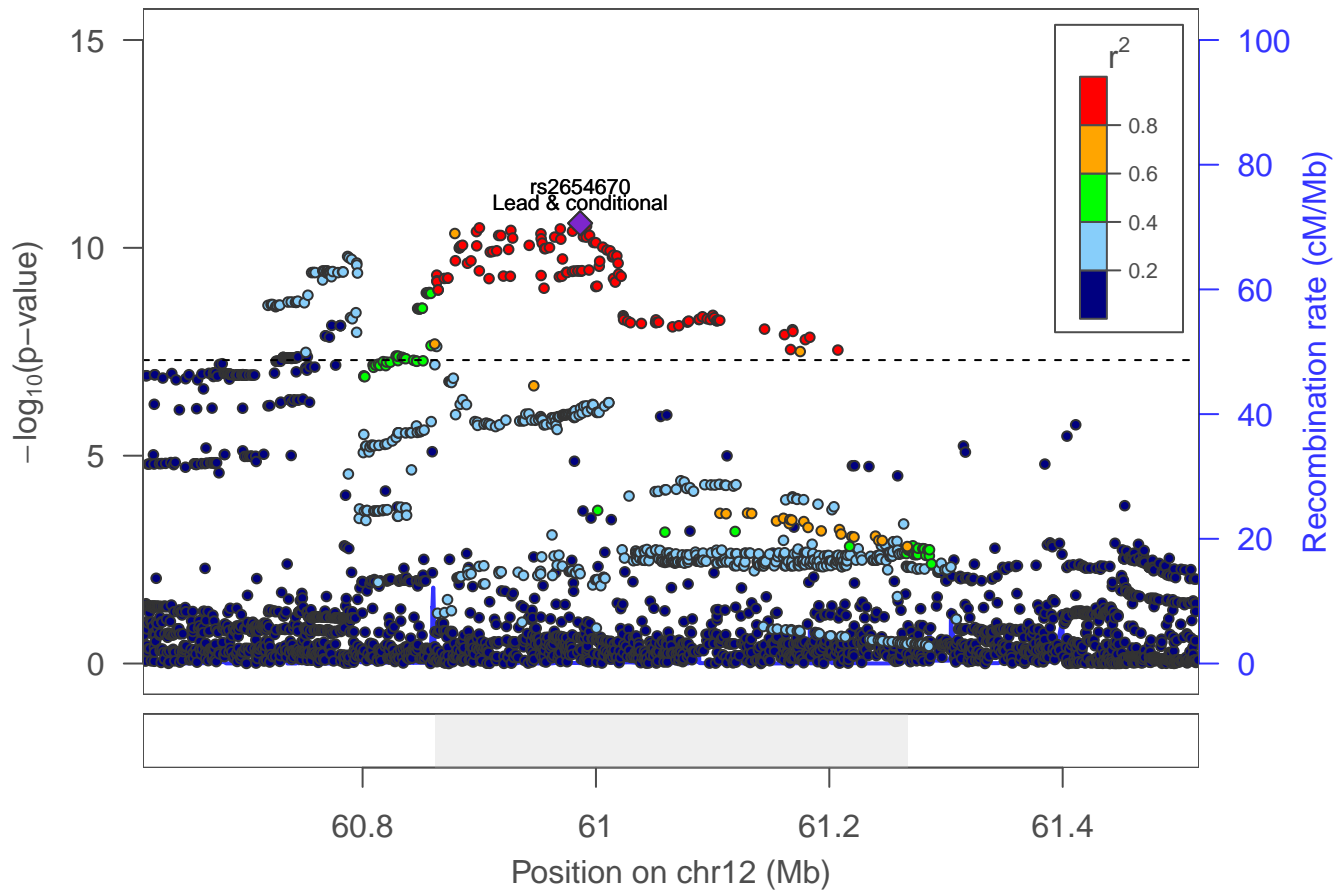
Adventurousness: locus 99 [chr 12:24.702–24.756Mb]



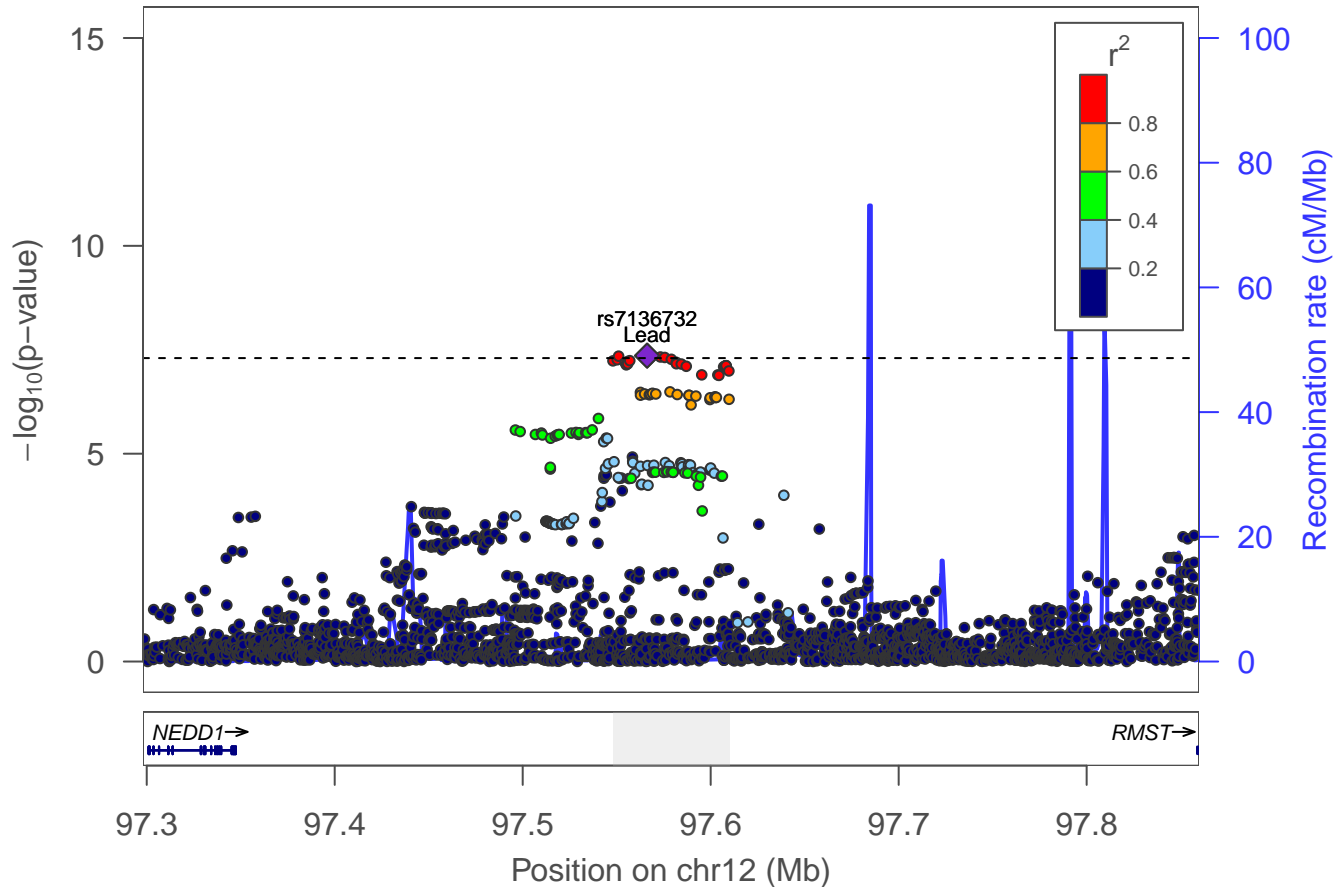
Adventurousness: locus 100 [chr 12:60.281–60.470Mb]



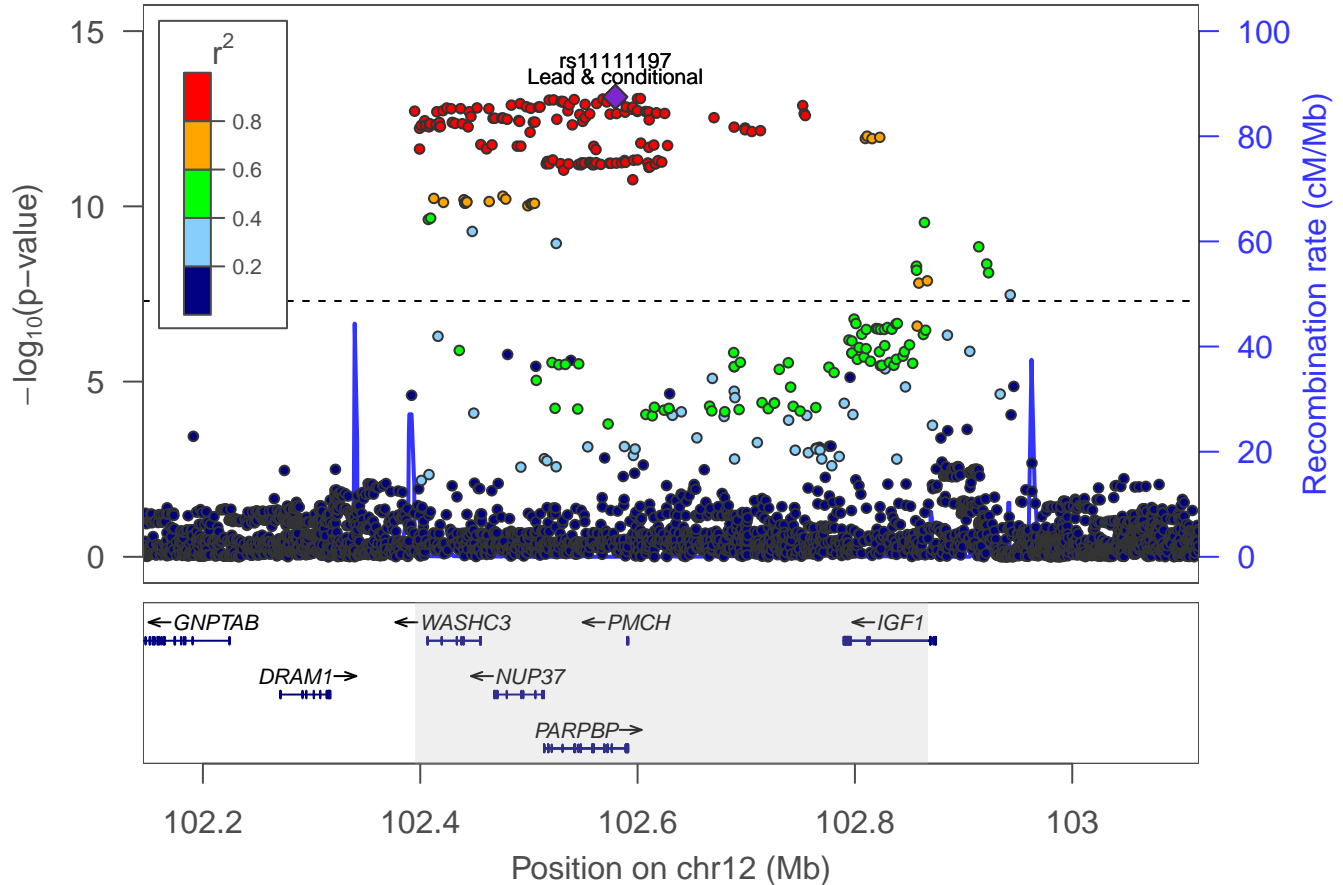
Adventurousness: locus 101 [chr 12:60.862–61.267Mb]



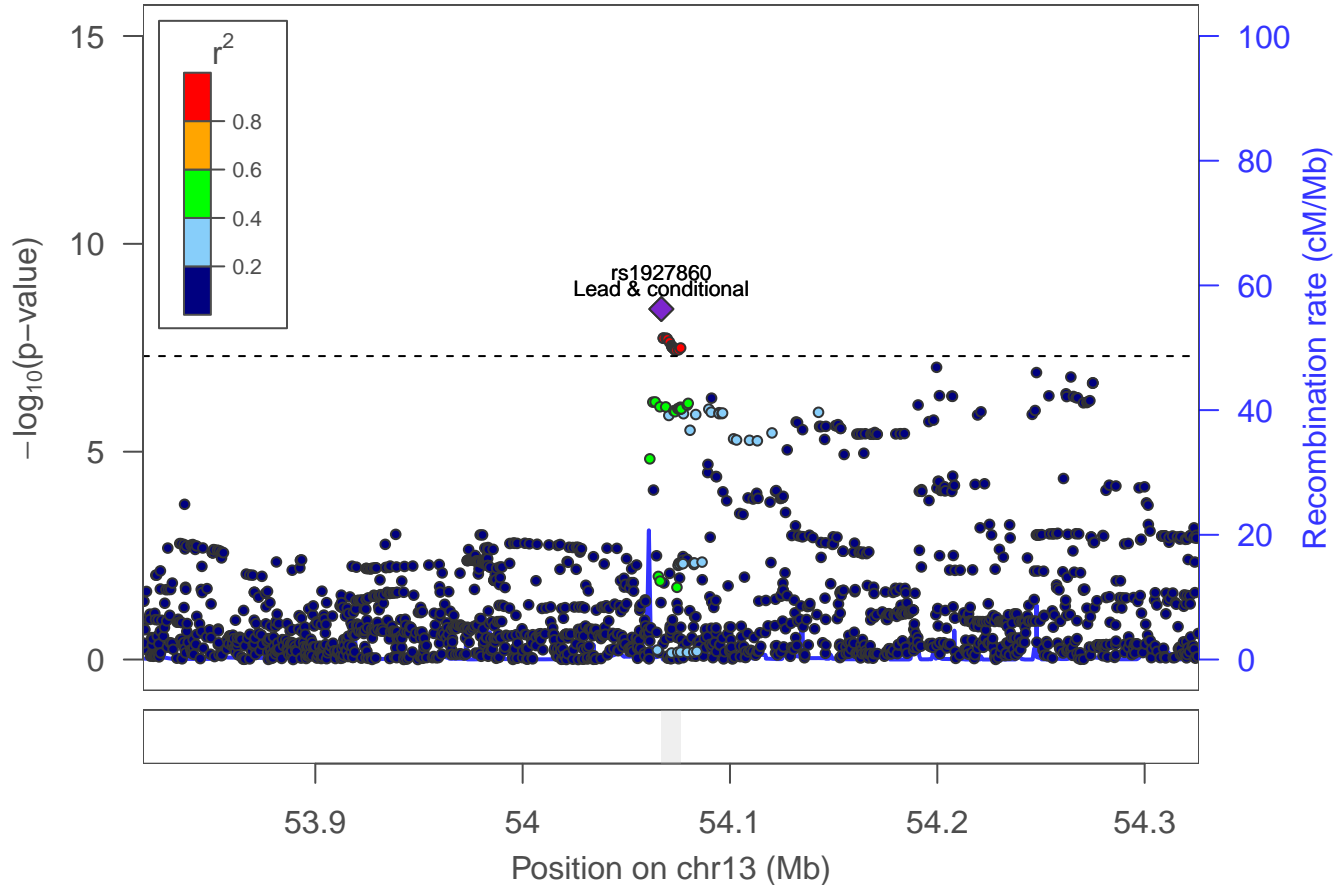
Adventurousness: locus 102 [chr 12:97.548–97.610Mb]



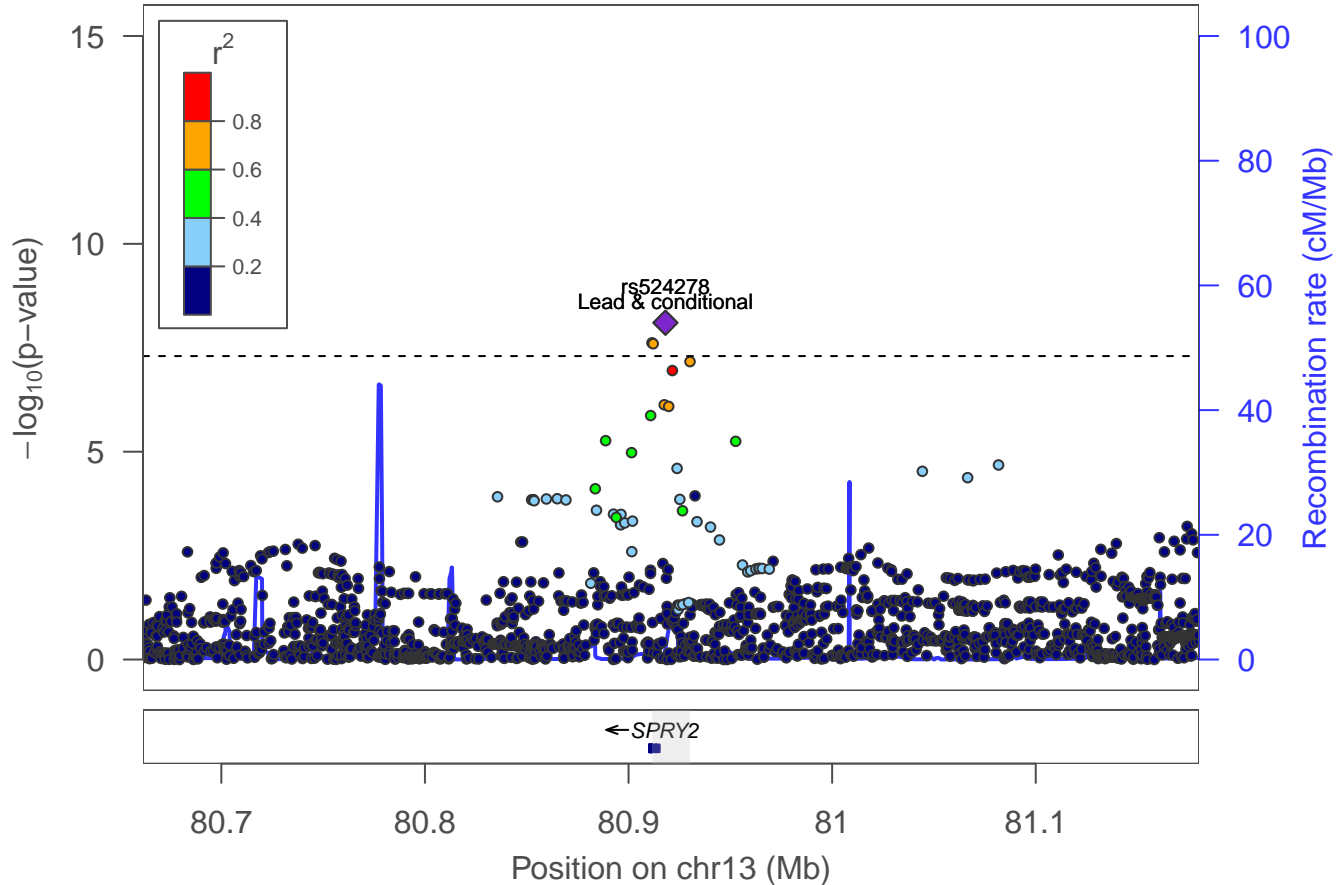
Adventurousness: locus 103 [chr 12:102.395–102.867Mb]



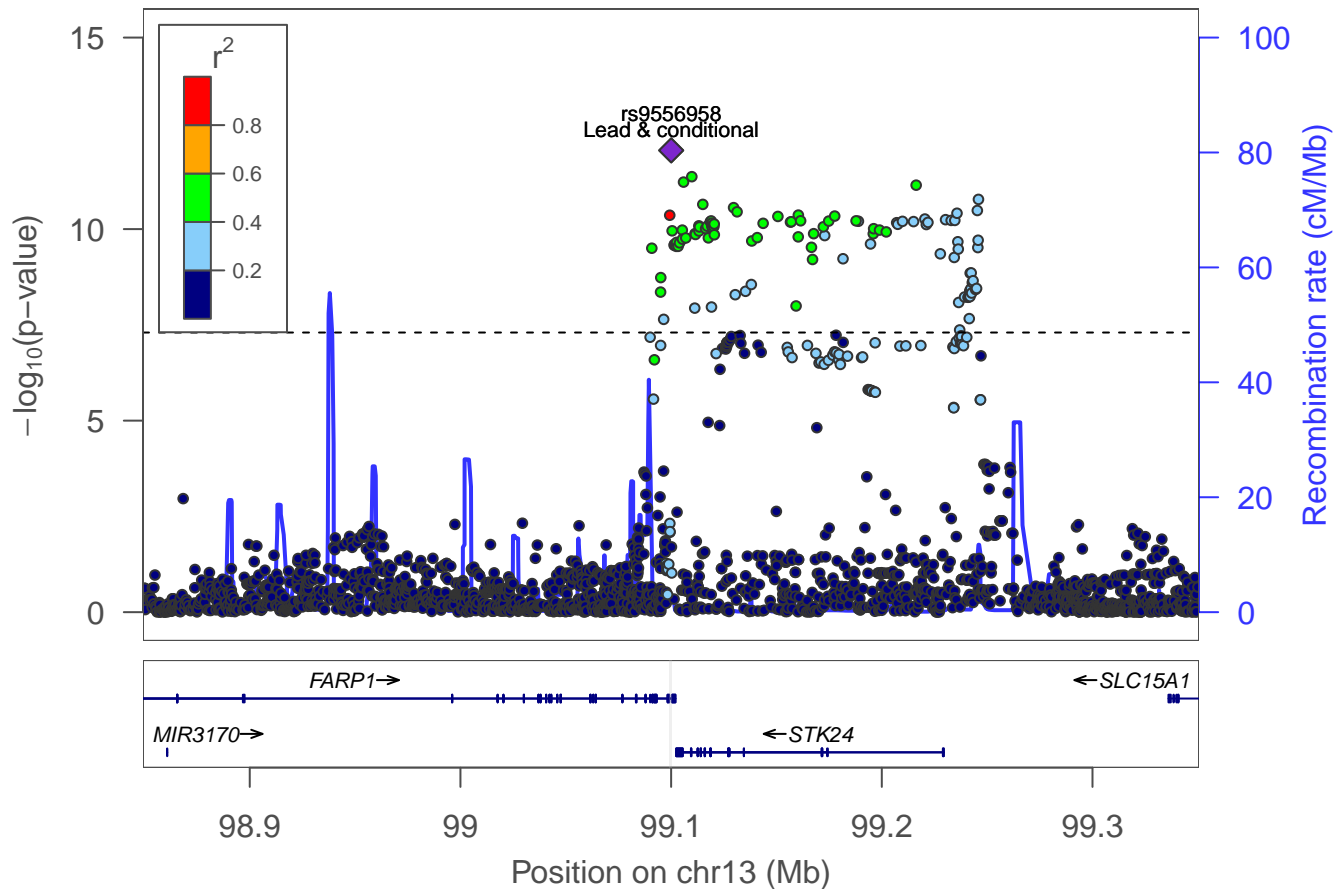
Adventurousness: locus 104 [chr 13:54.067–54.076Mb]



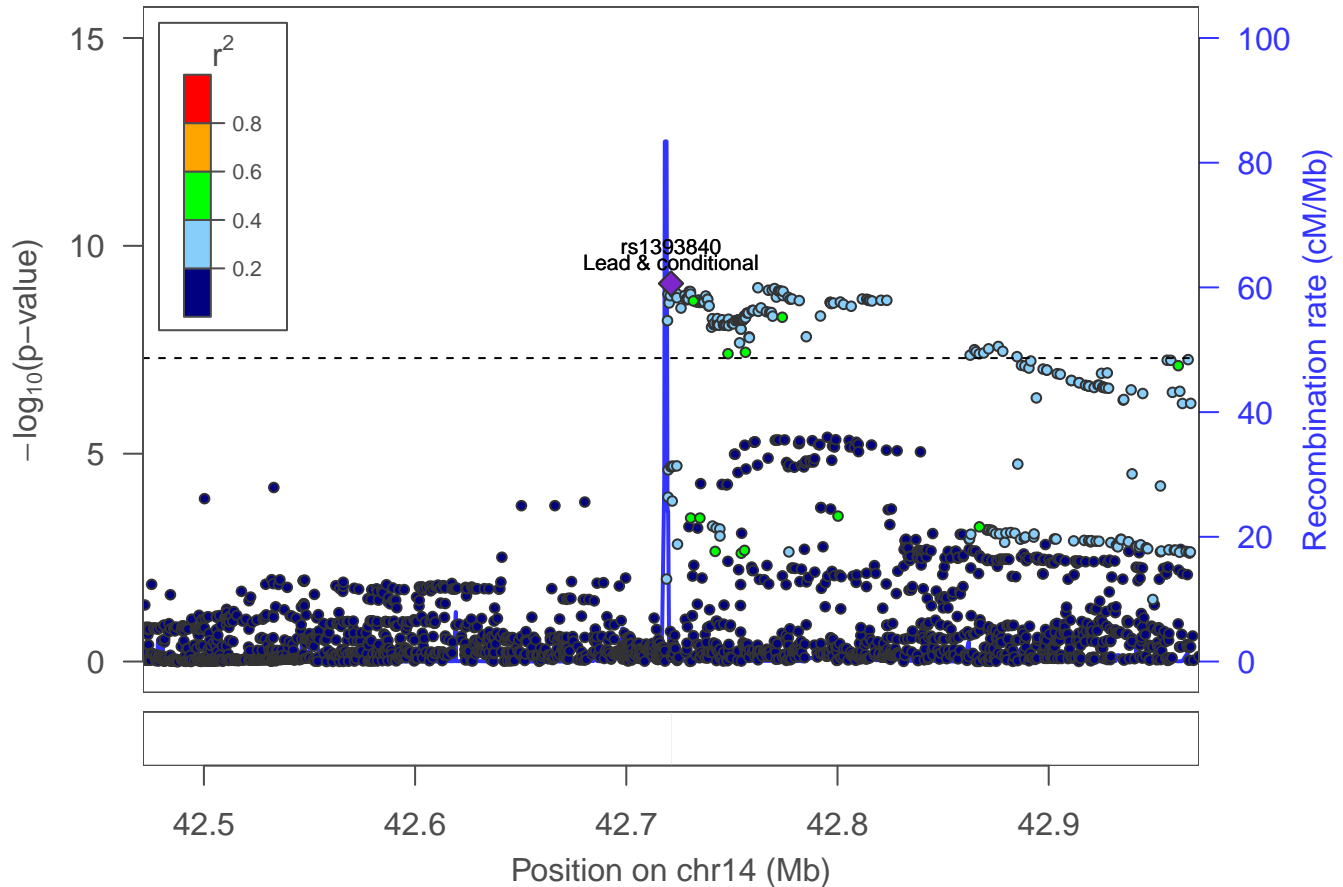
Adventurousness: locus 105 [chr 13:80.912–80.930Mb]



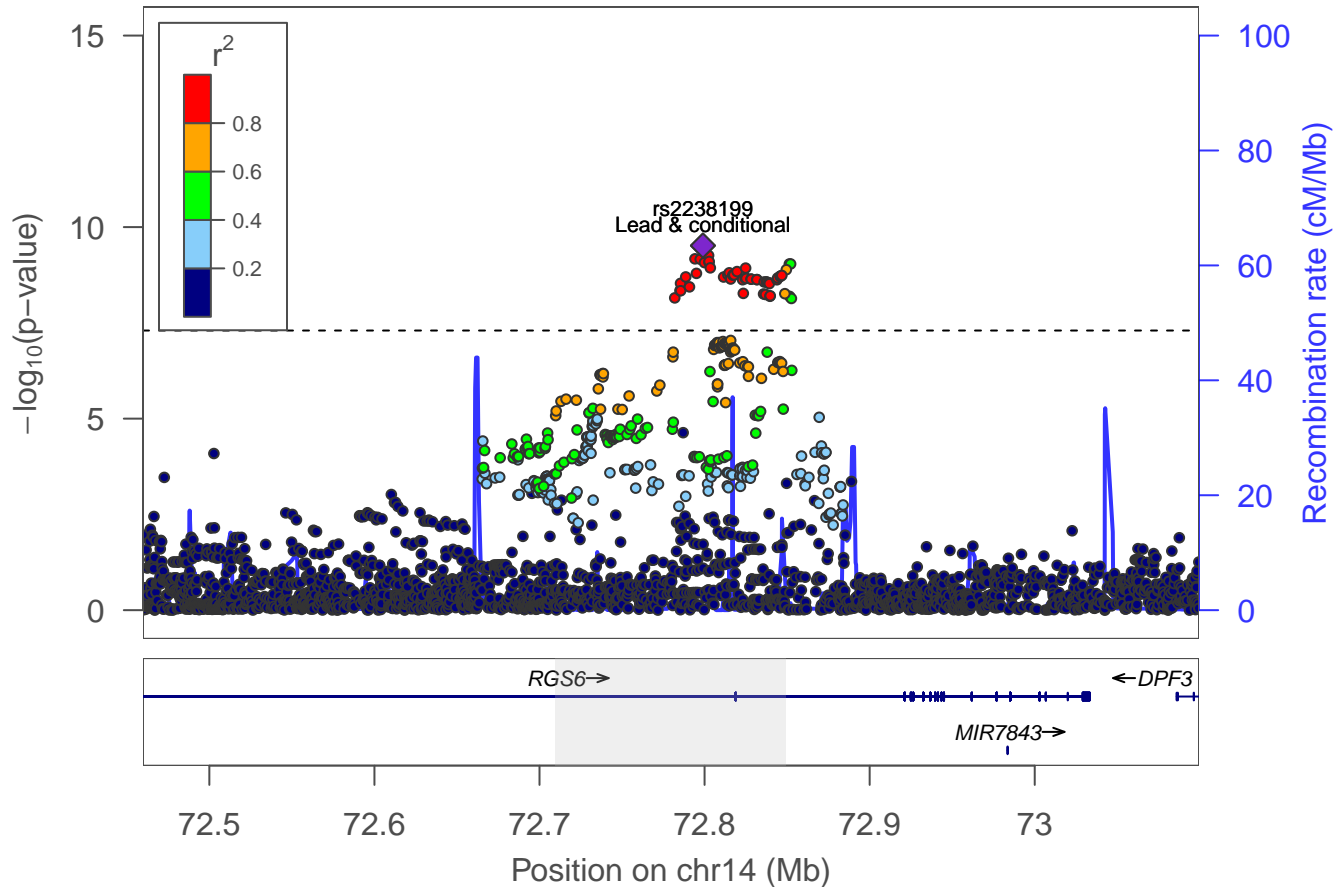
Adventurousness: locus 106 [chr 13:99.099–99.101Mb]



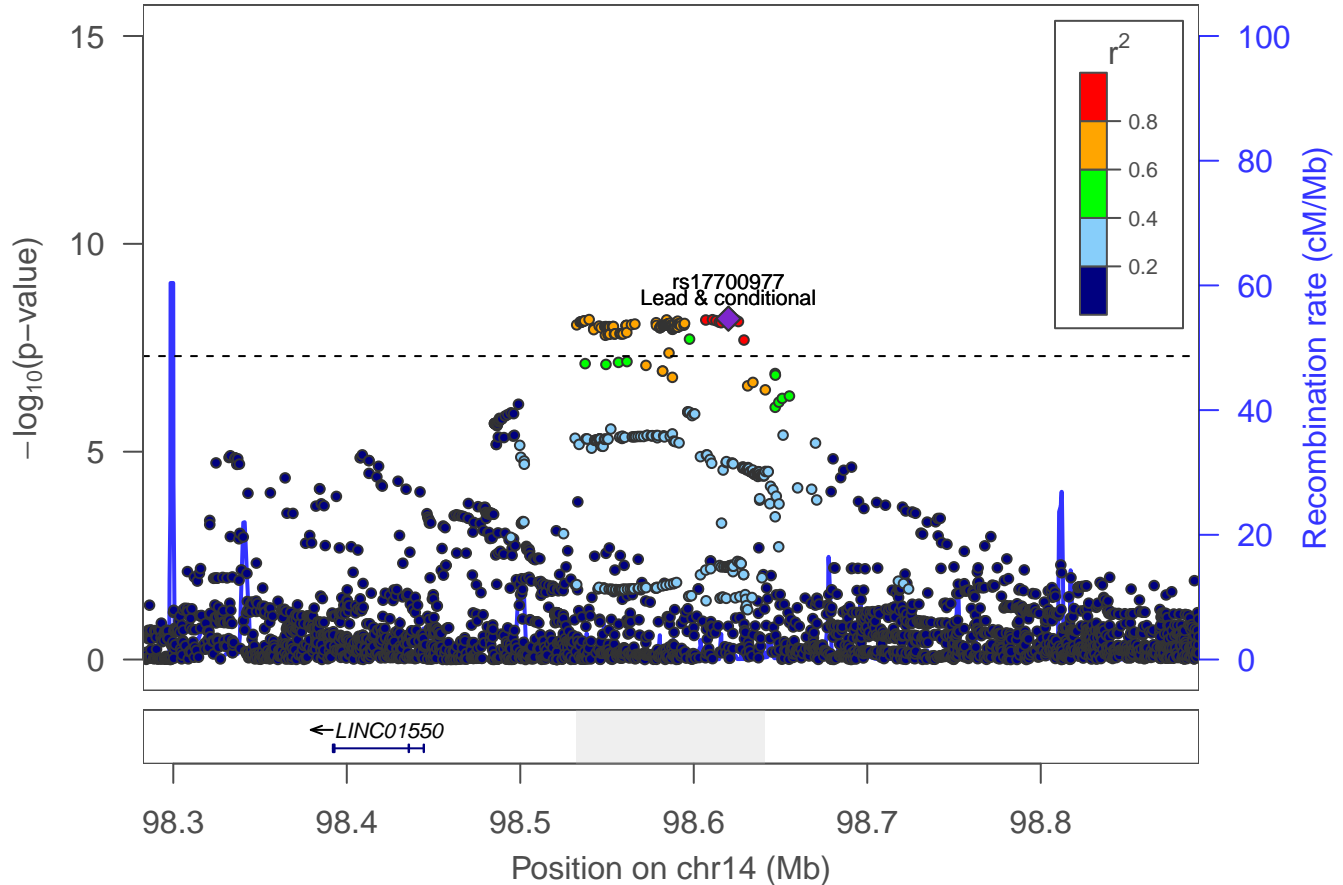
Adventurousness: locus 107 [chr 14:42.721–42.721Mb]



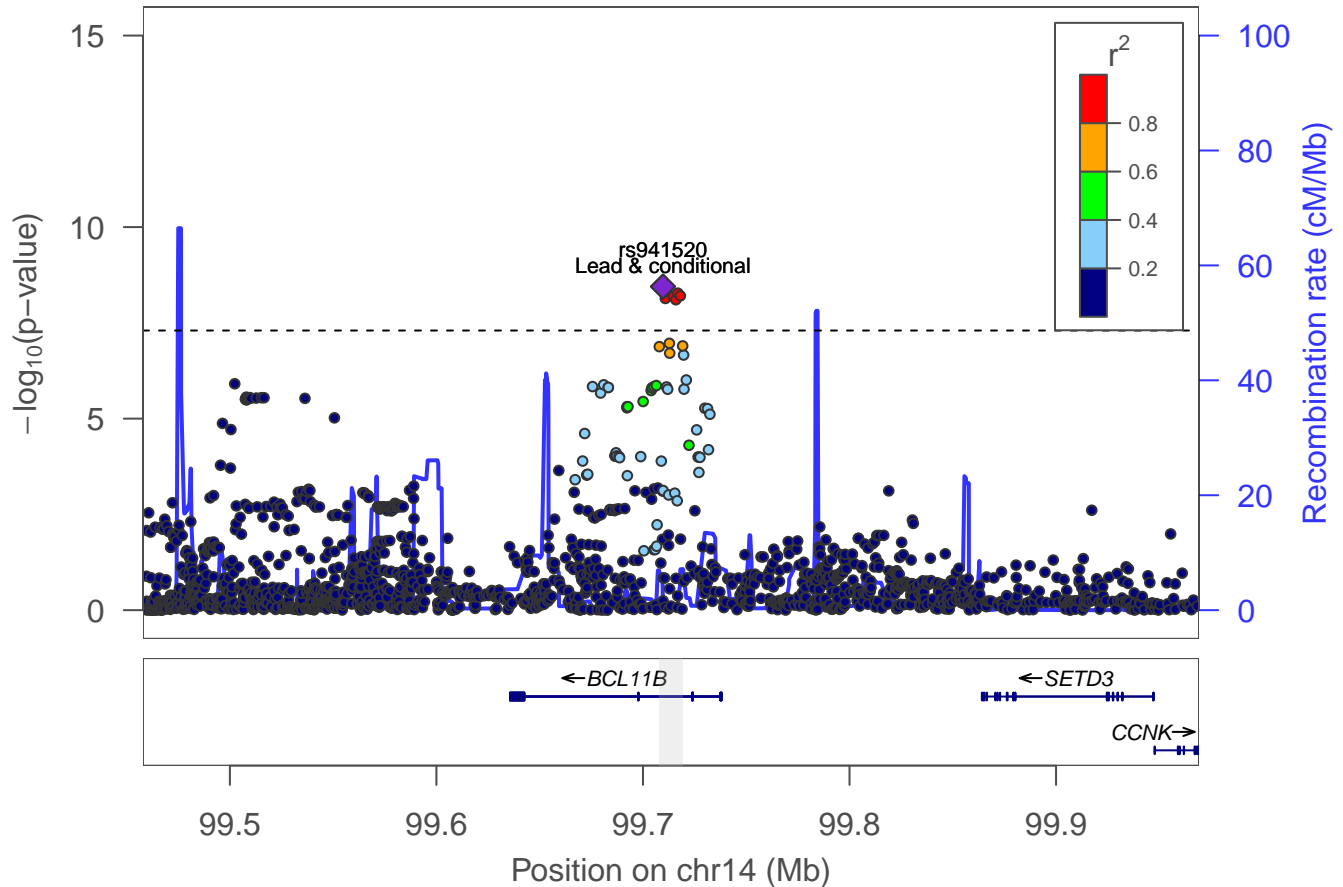
Adventurousness: locus 108 [chr 14:72.710–72.850Mb]



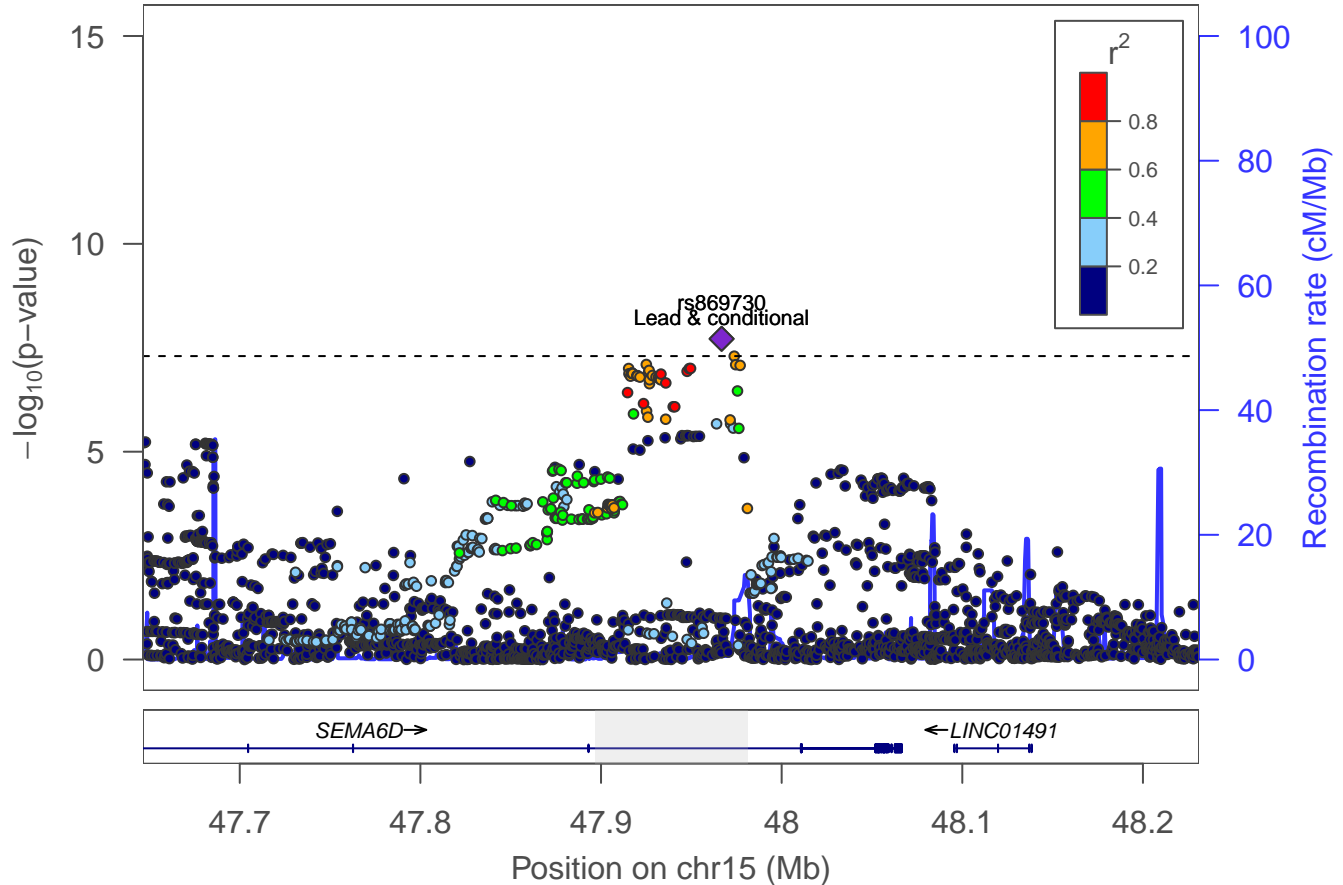
Adventurousness: locus 109 [chr 14:98.533–98.641Mb]



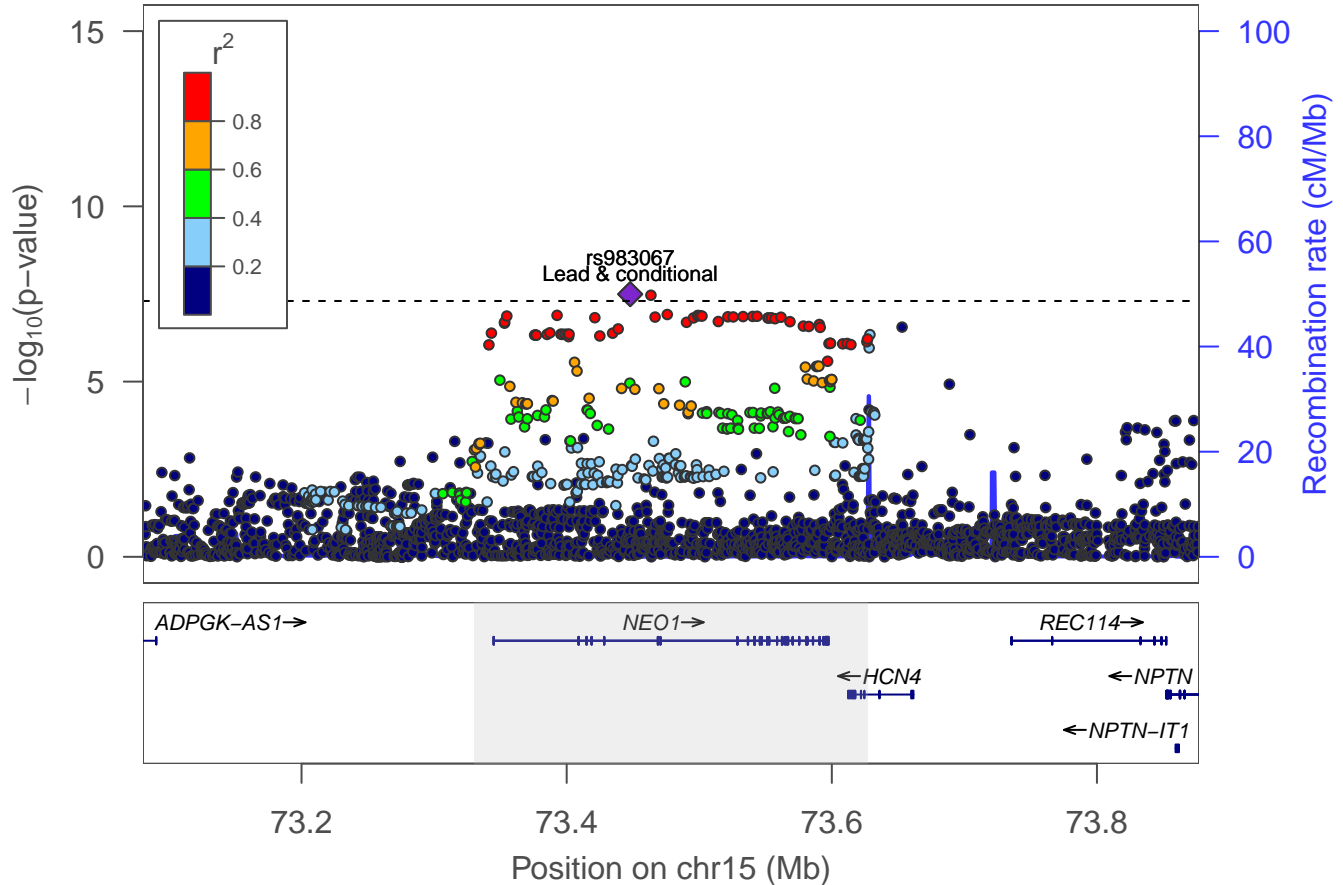
Adventurousness: locus 110 [chr 14:99.708–99.719Mb]



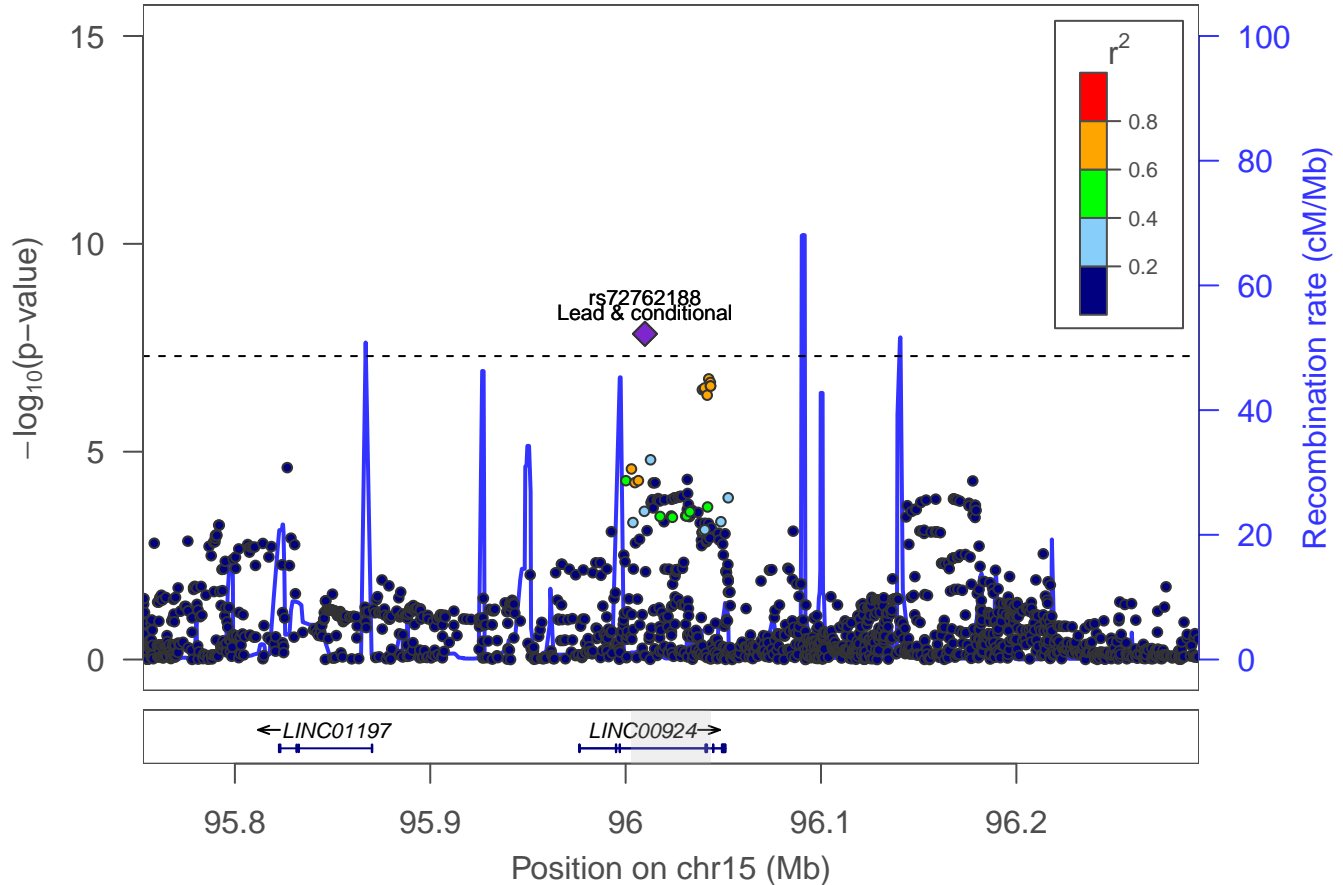
Adventurousness: locus 111 [chr 15:47.896–47.981Mb]



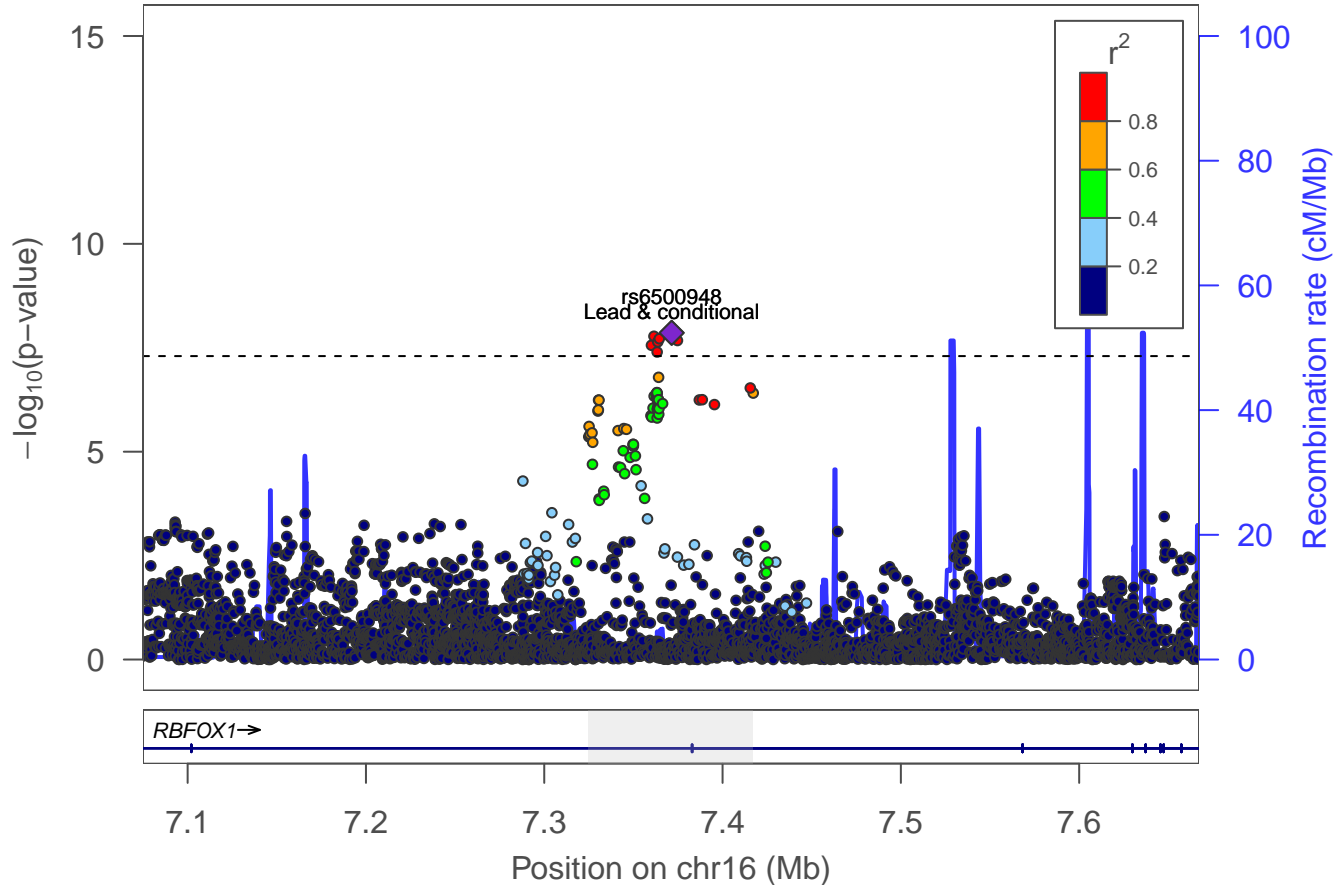
Adventurousness: locus 112 [chr 15:73.330–73.627Mb]



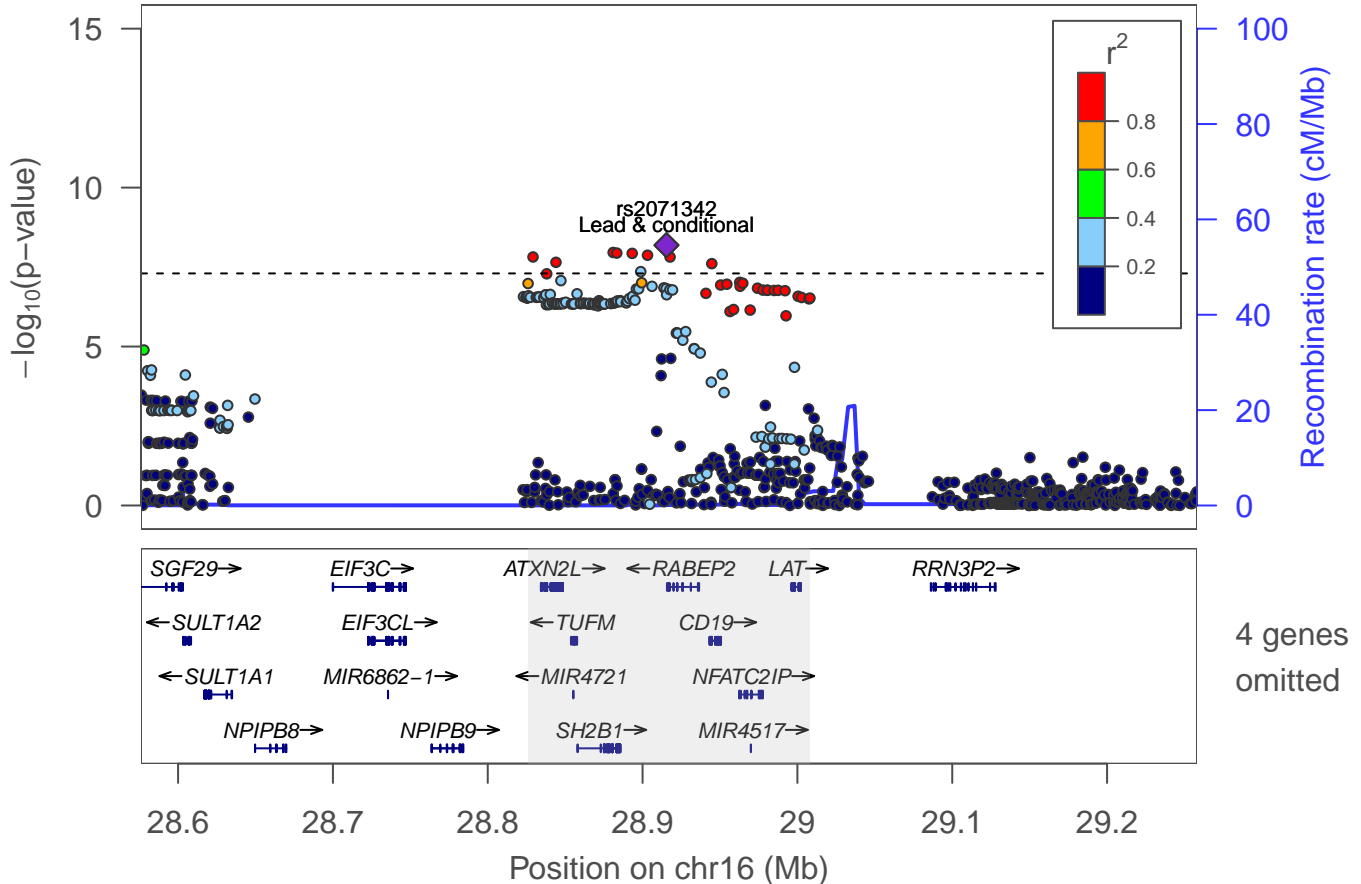
Adventurousness: locus 113 [chr 15:96.003–96.043Mb]



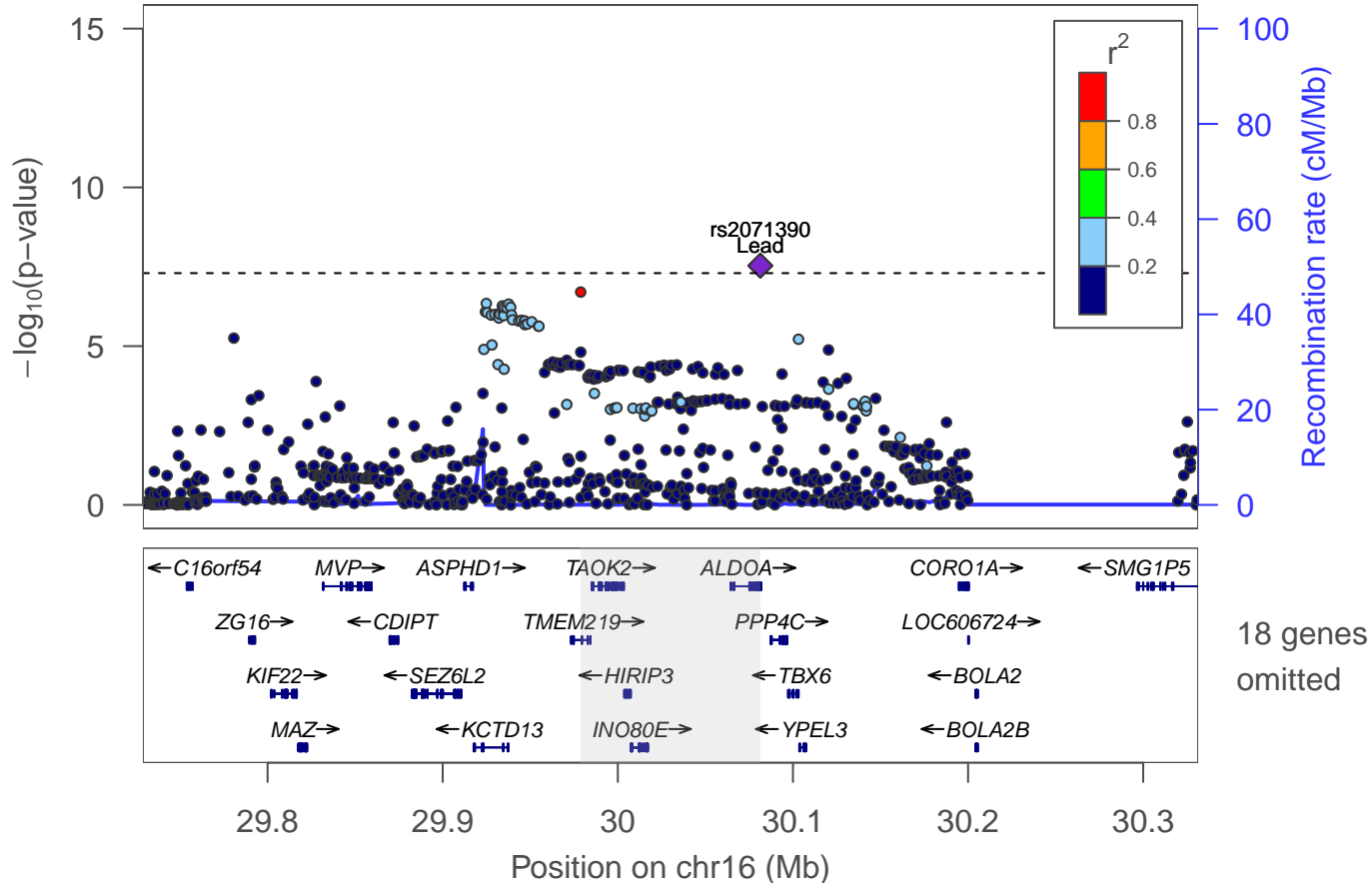
Adventurousness: locus 114 [chr 16:7.325–7.417Mb]



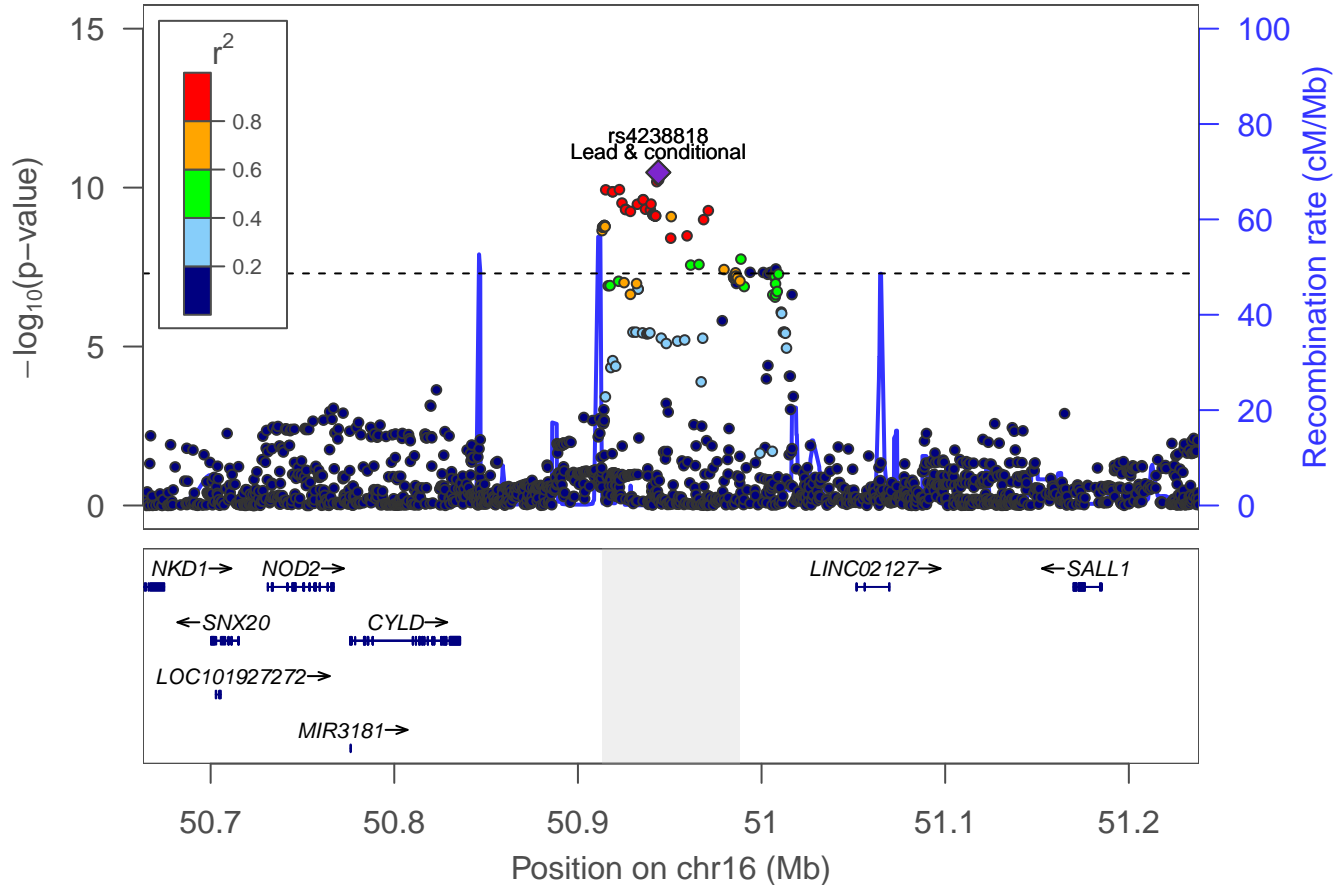
Adventurousness: locus 115 [chr 16:28.826–29.008Mb]



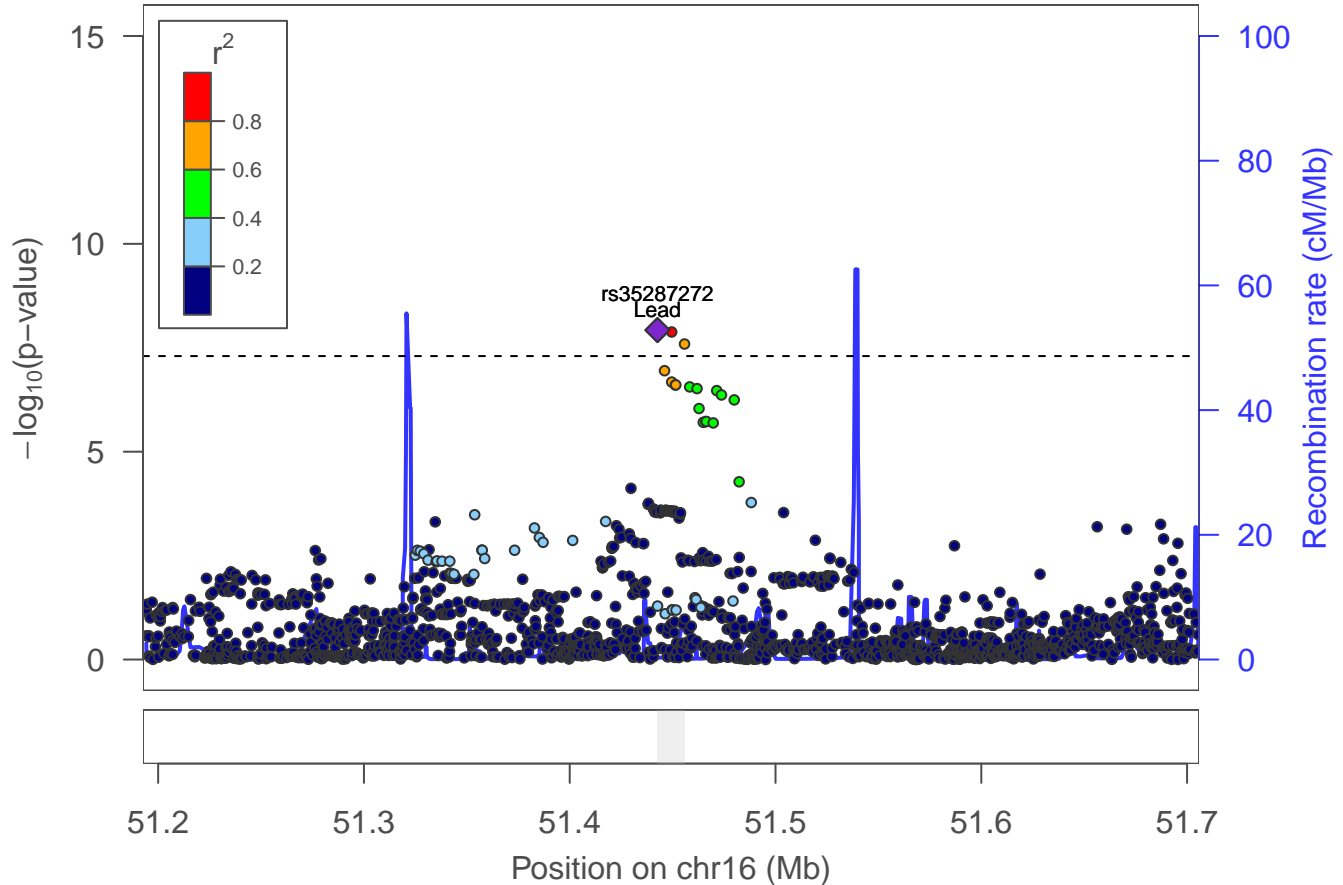
Adventurousness: locus 116 [chr 16:29.979–30.081Mb]



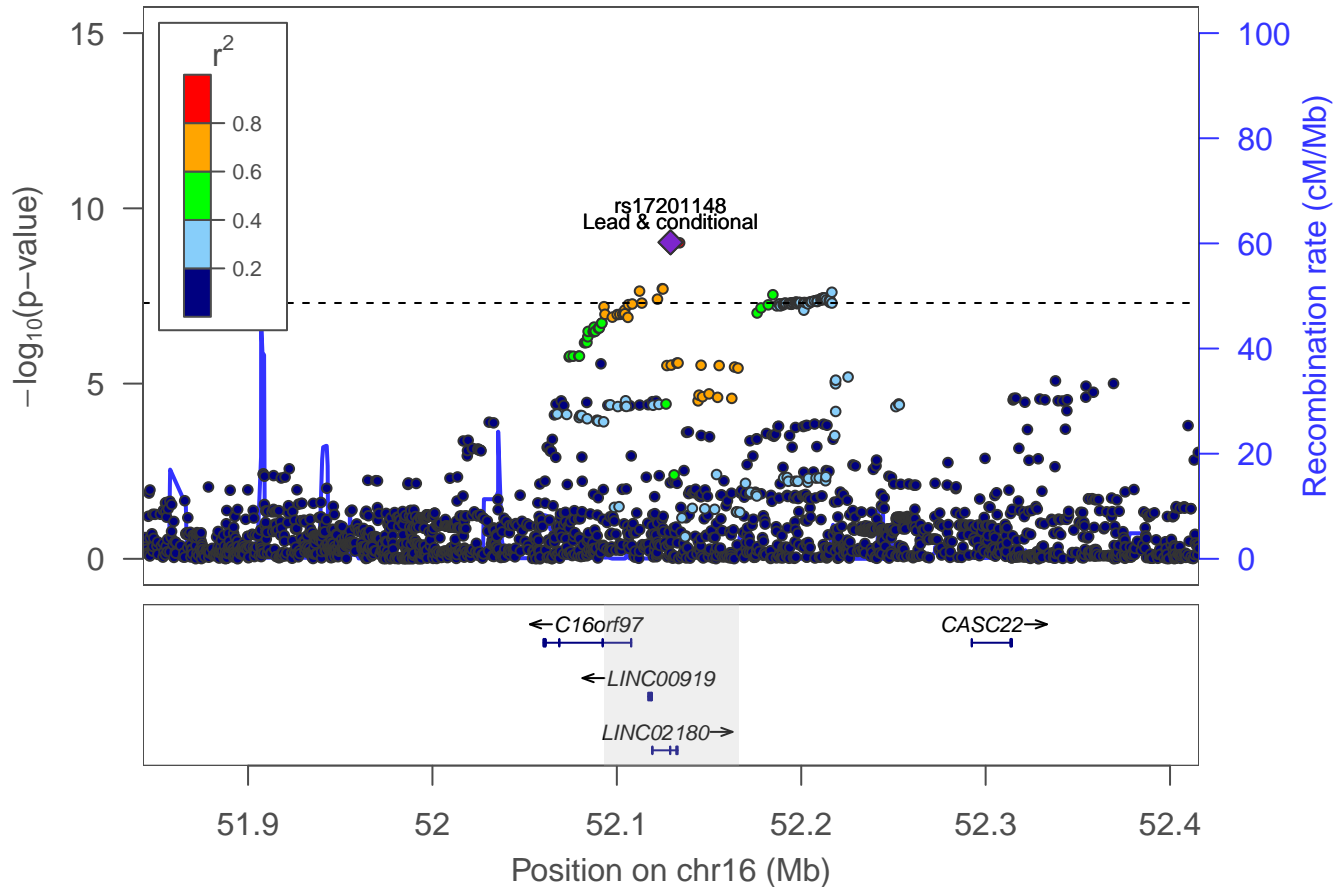
Adventurousness: locus 117 [chr 16:50.913–50.988Mb]



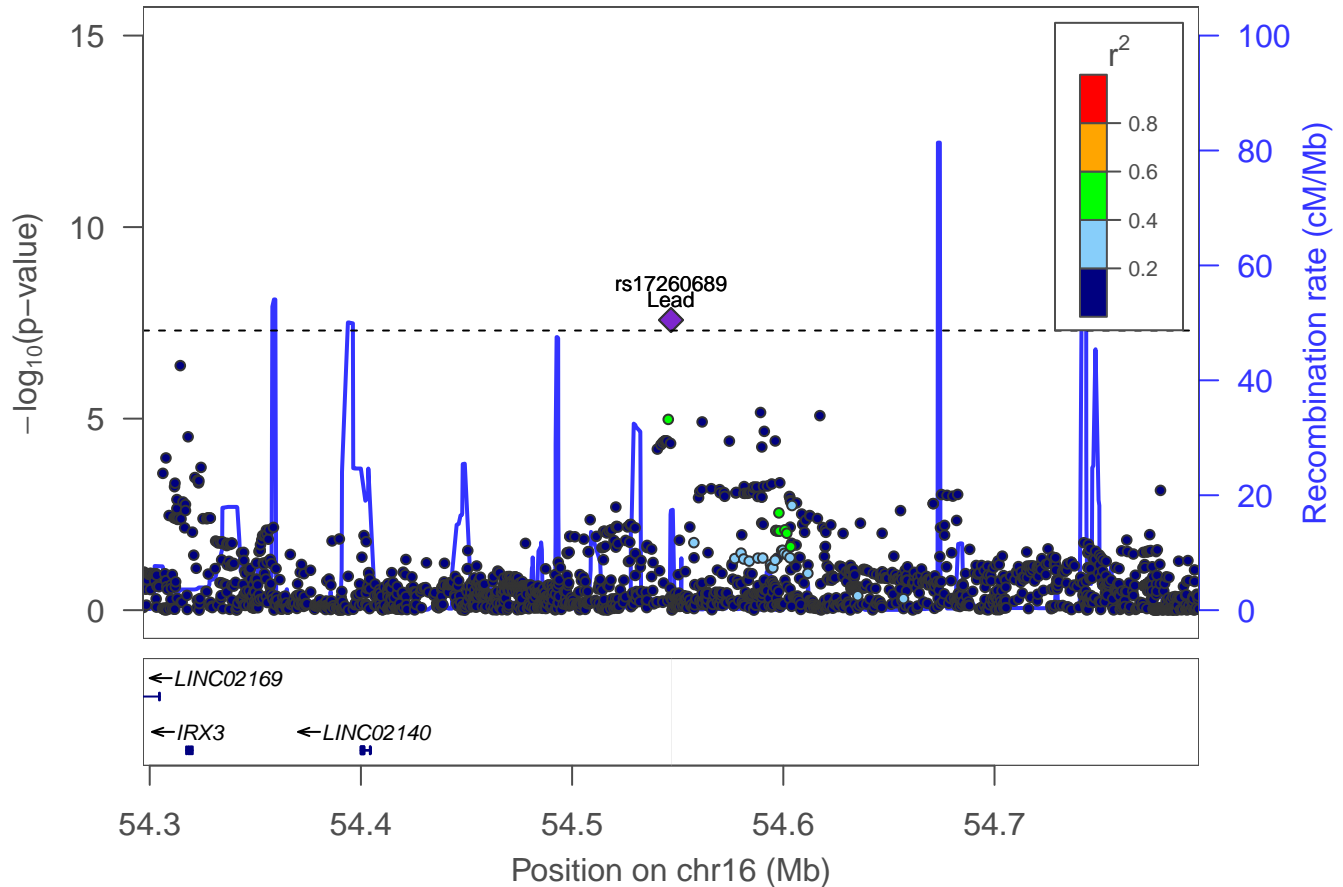
Adventurousness: locus 118 [chr 16:51.443–51.456Mb]



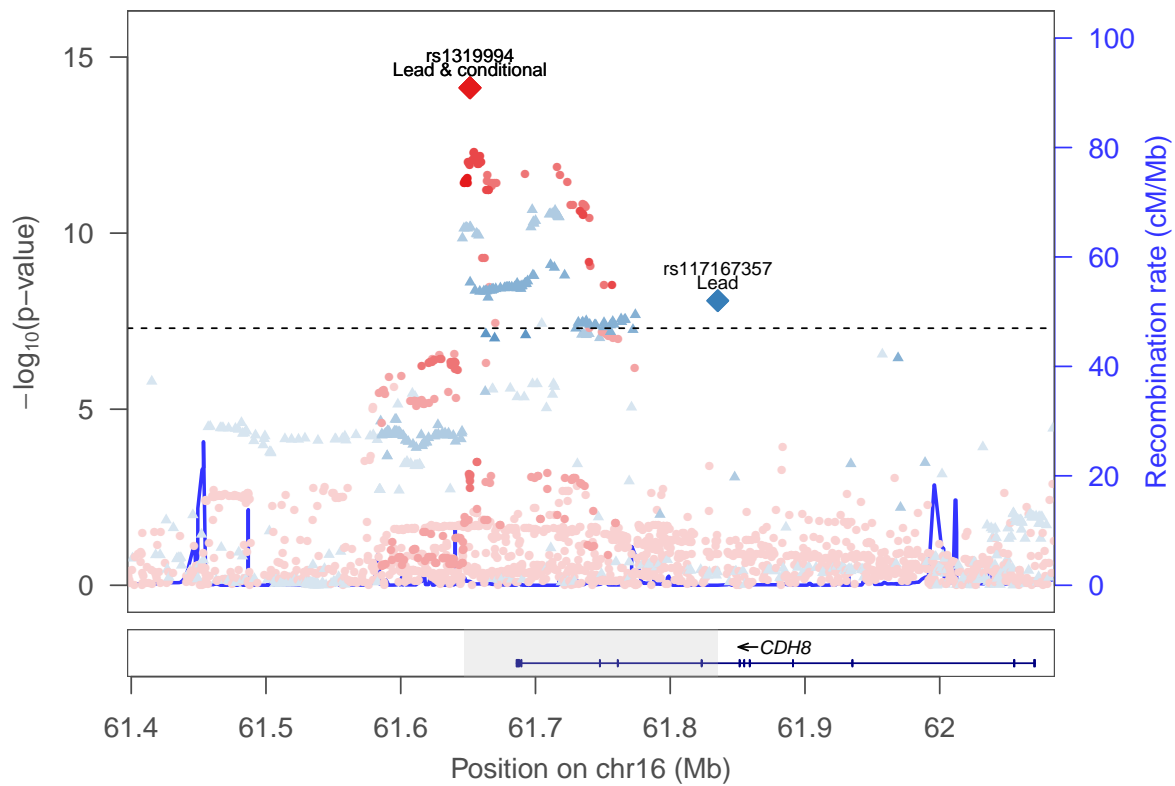
Adventurousness: locus 119 [chr 16:52.093–52.166Mb]



Adventurousness: locus 120 [chr 16:54.547–54.547Mb]



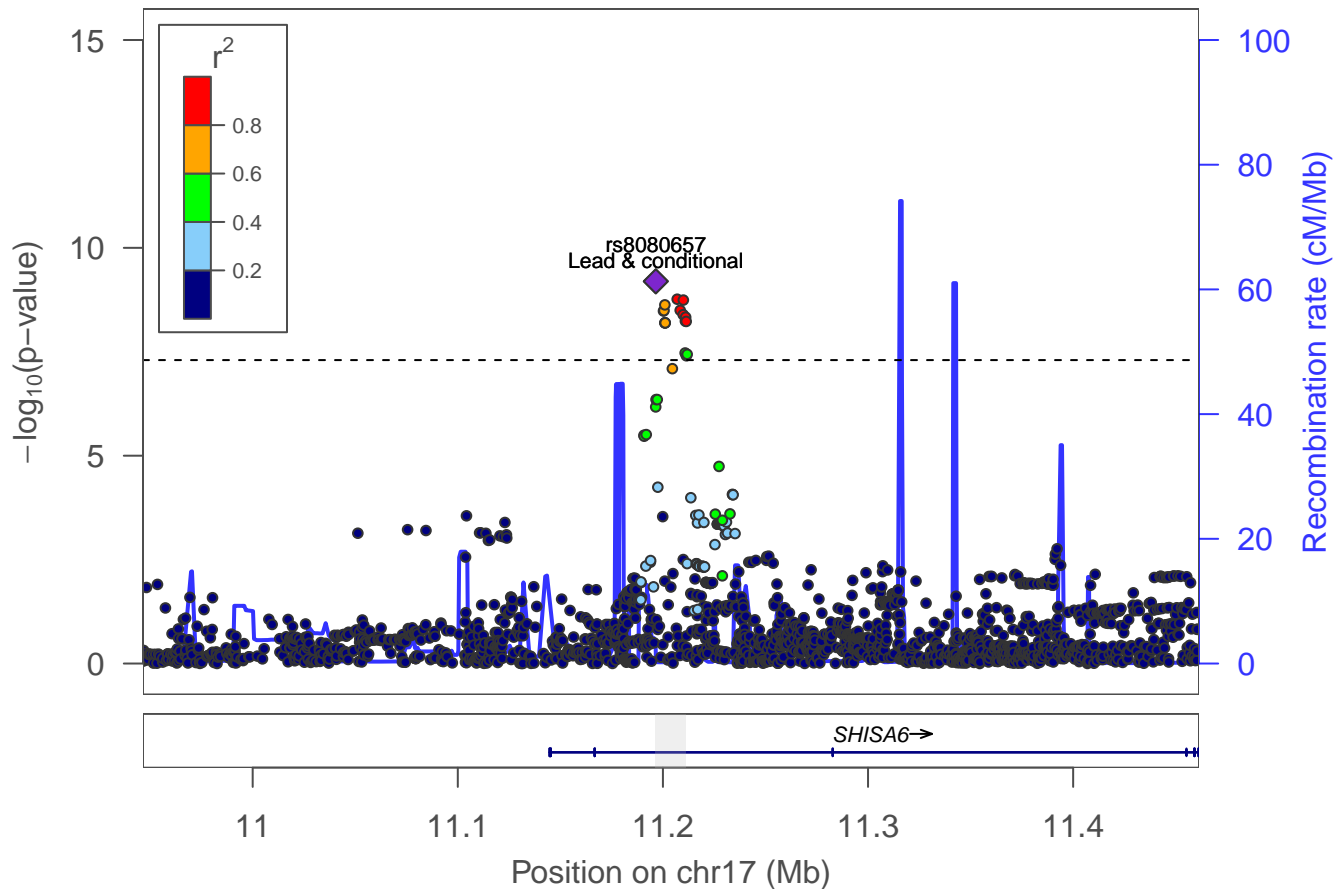
Adventurousness: Locus 121 [chr 16: 61.647–61.835Mb]



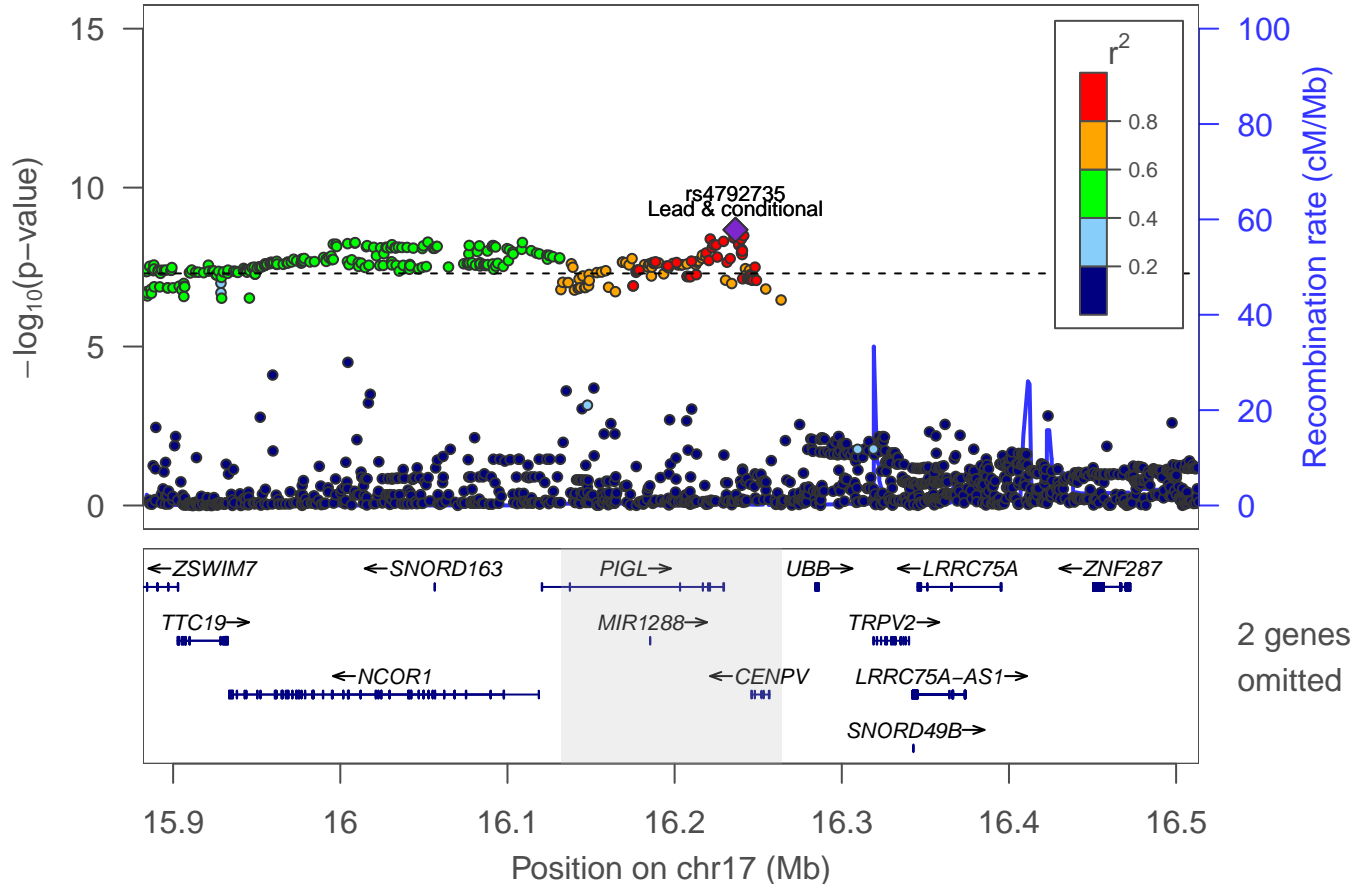
rs117167357 ▲
rs1319994 ●



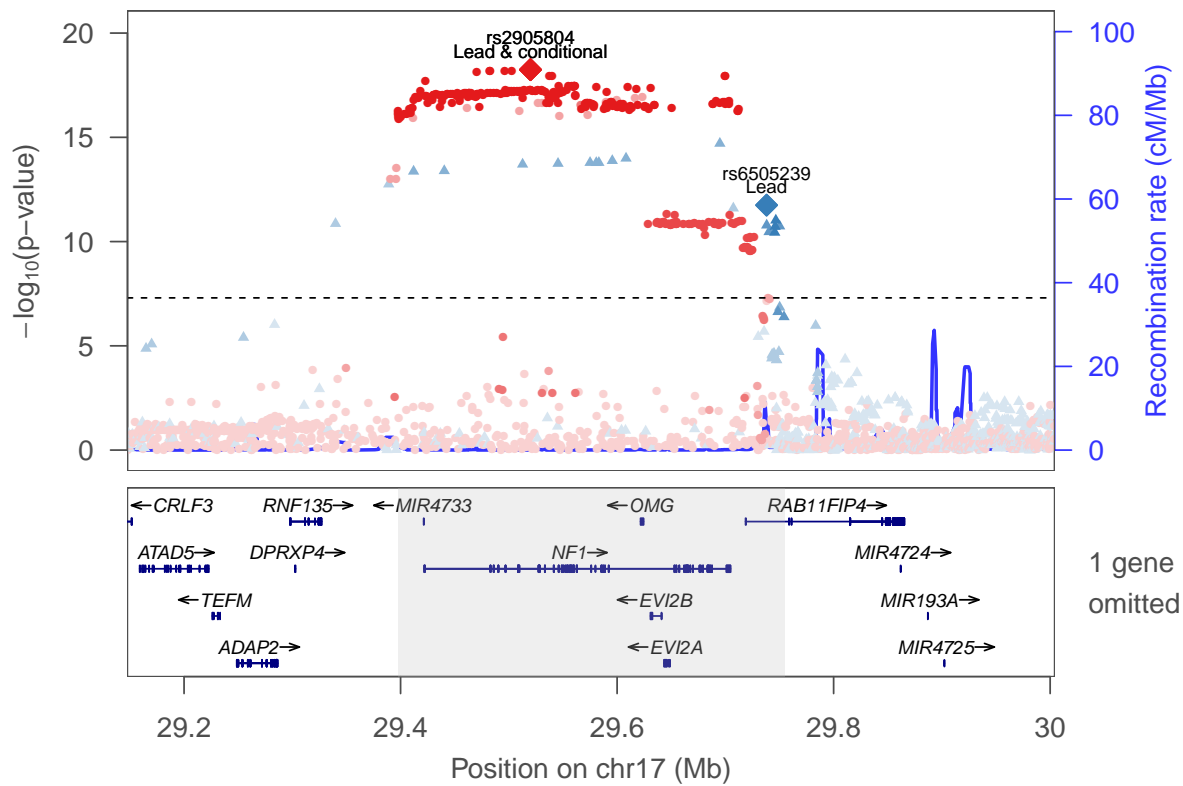
Adventurousness: locus 122 [chr 17:11.197–11.211Mb]



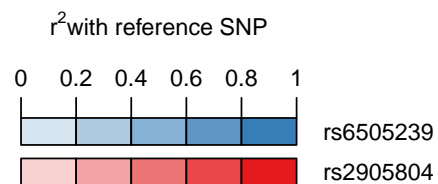
Adventurousness: locus 123 [chr 17:16.132–16.264Mb]



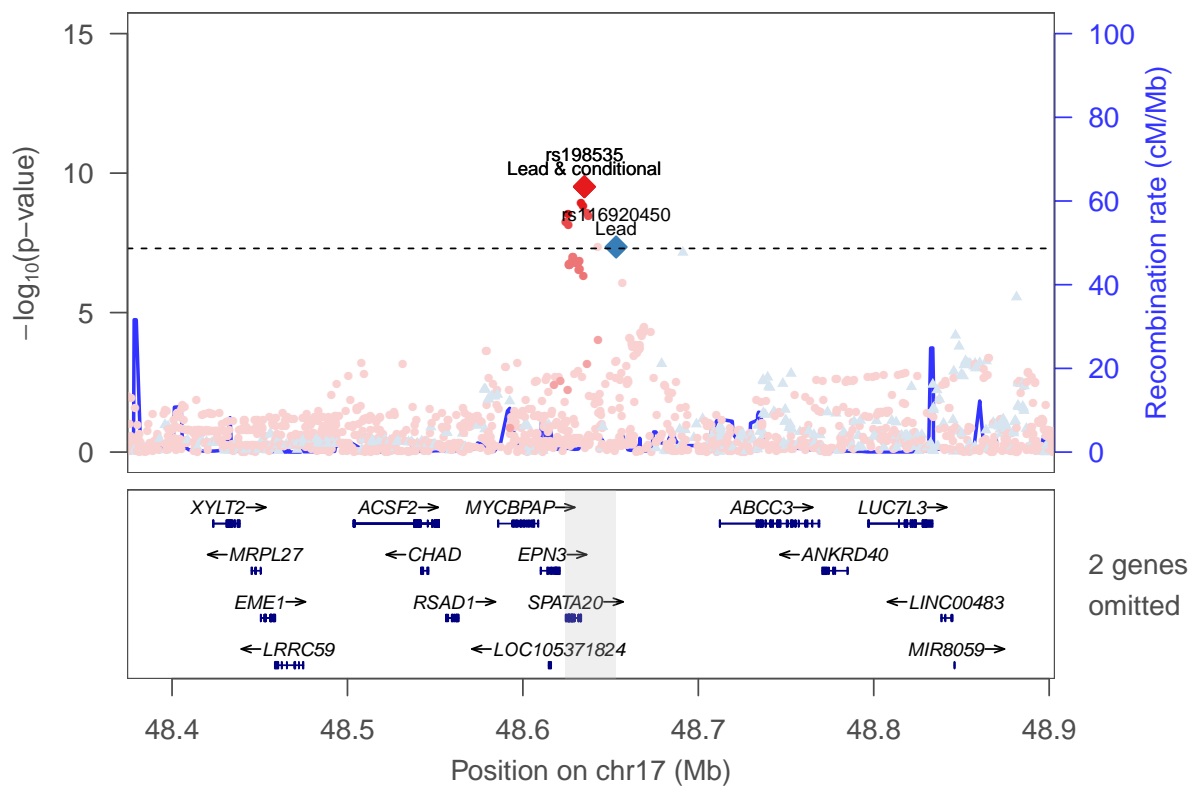
Adventurousness: Locus 124 [chr 17: 29.398–29.754Mb]



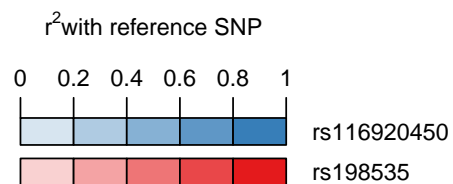
rs6505239 ▲
rs2905804 ●



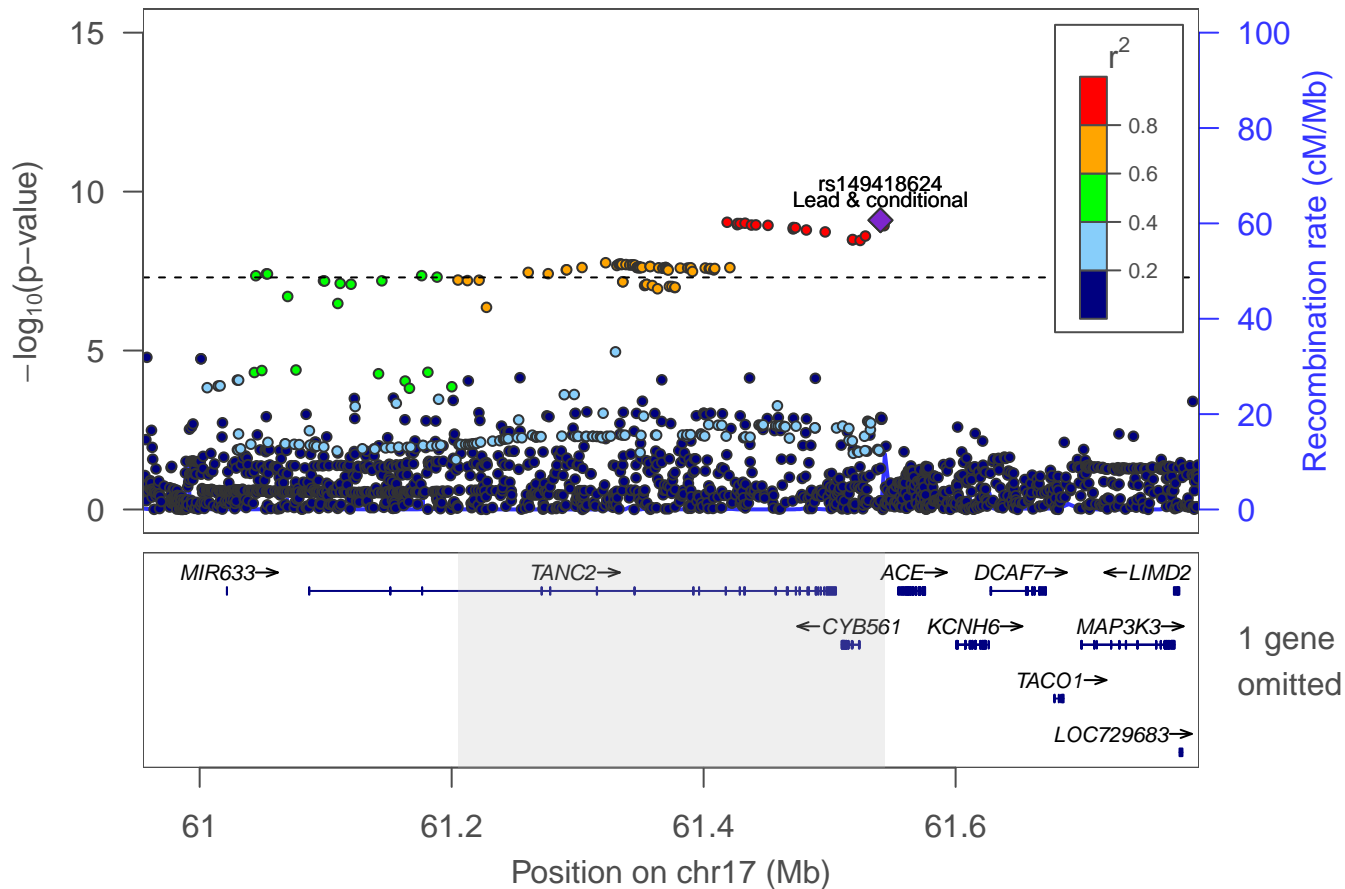
Adventurousness: Locus 125 [chr 17: 48.625–48.653Mb]



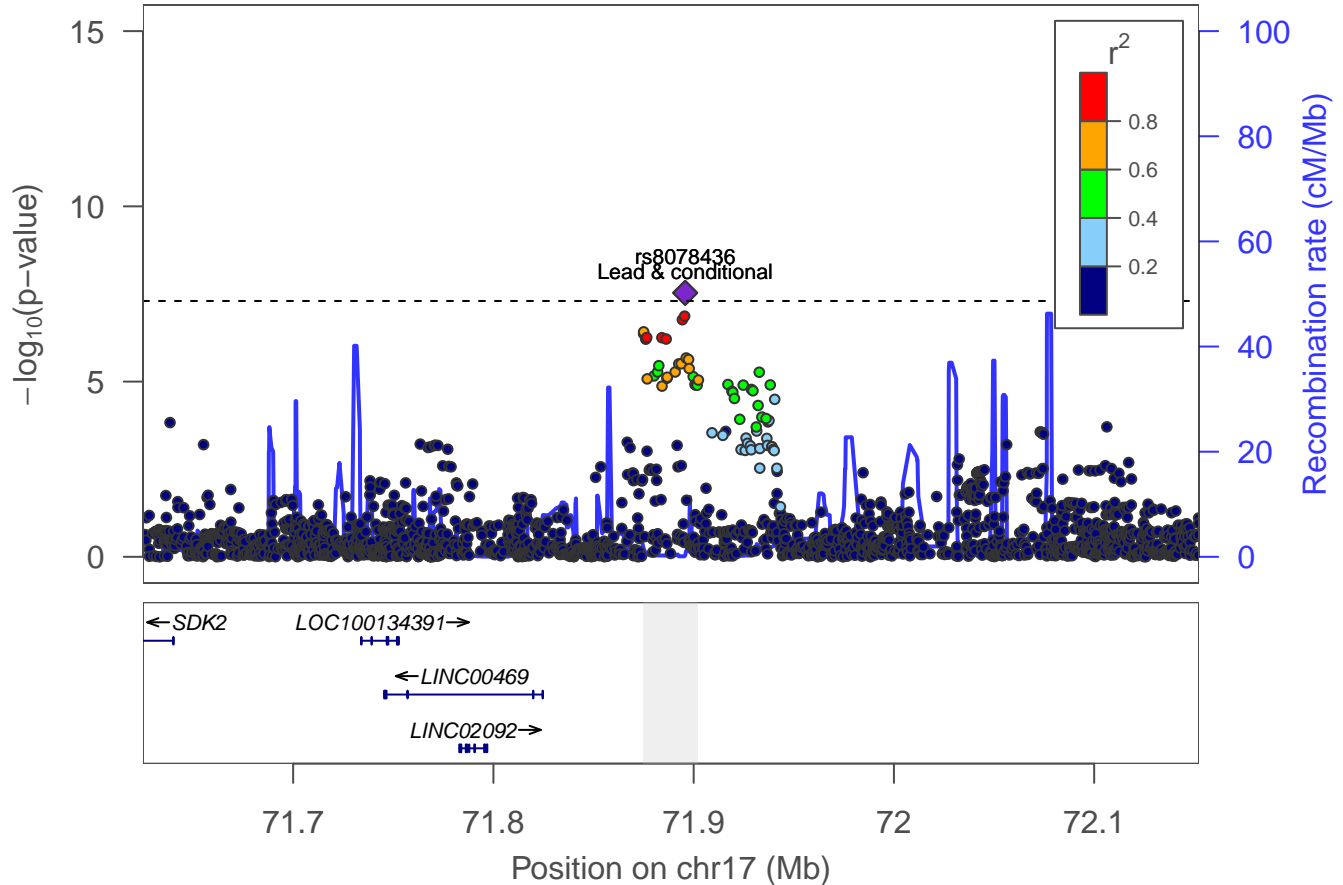
rs116920450 ▲
 rs198535 ●



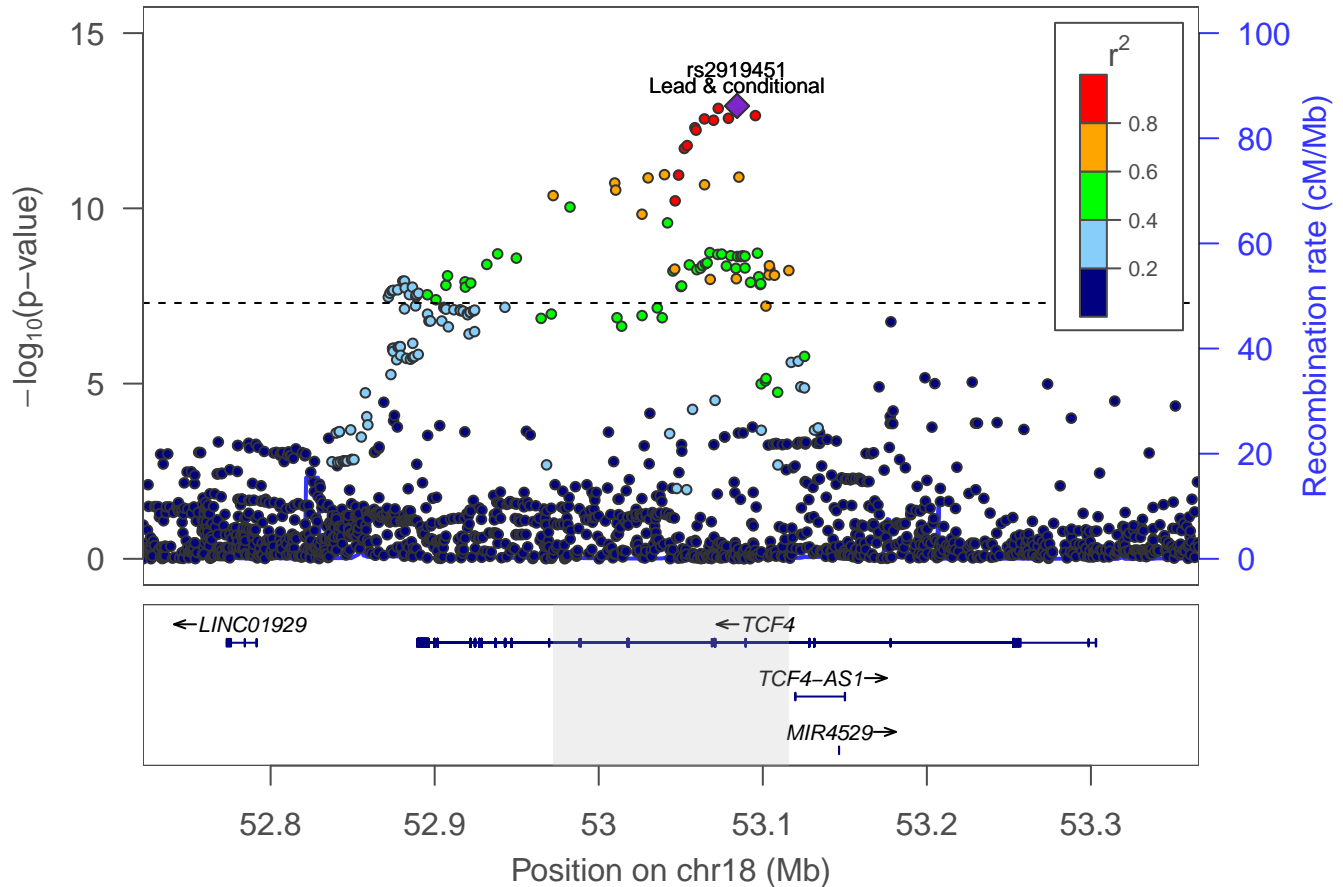
Adventurousness: locus 126 [chr 17:61.205–61.543Mb]



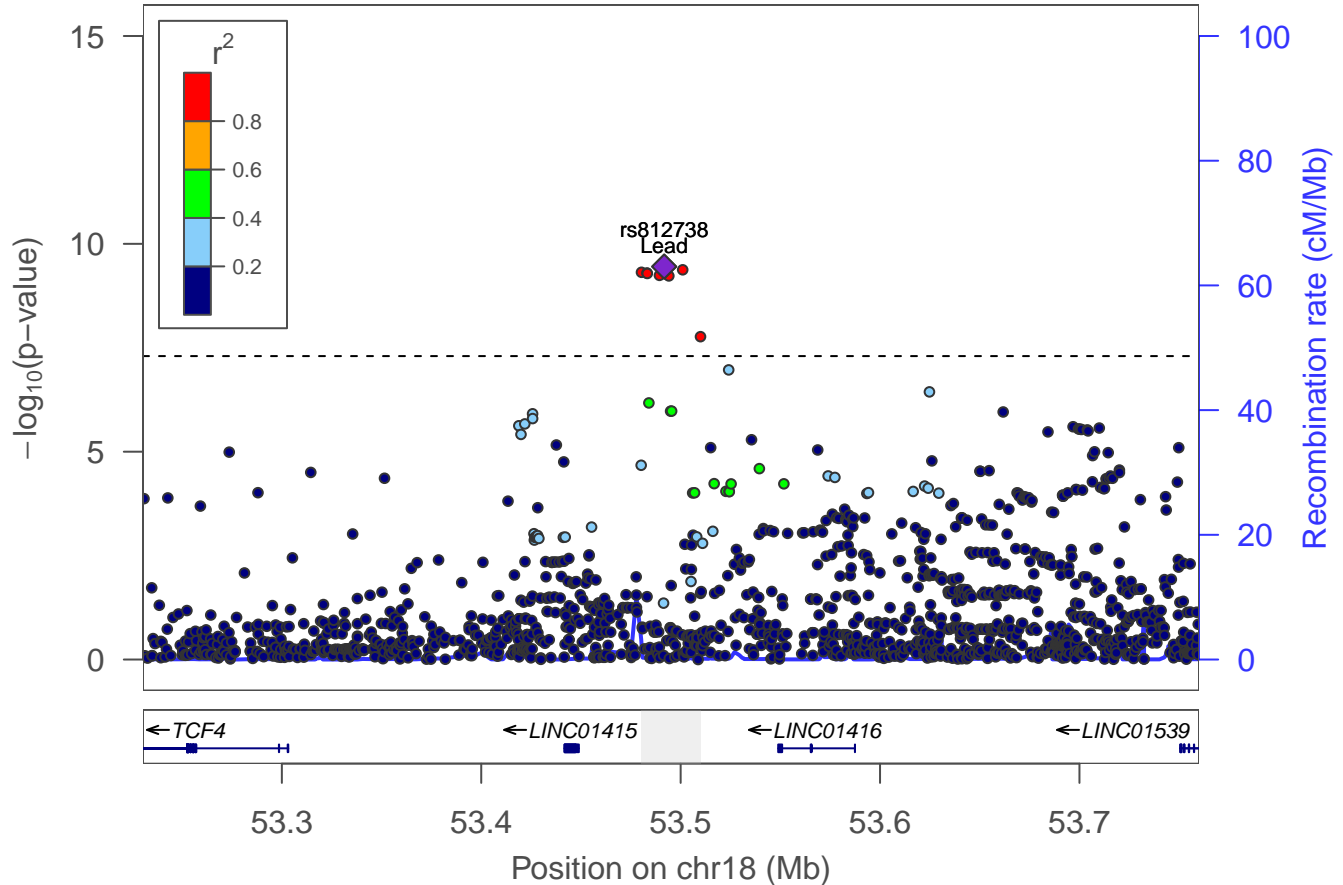
Adventurousness: locus 127 [chr 17:71.875–71.902Mb]



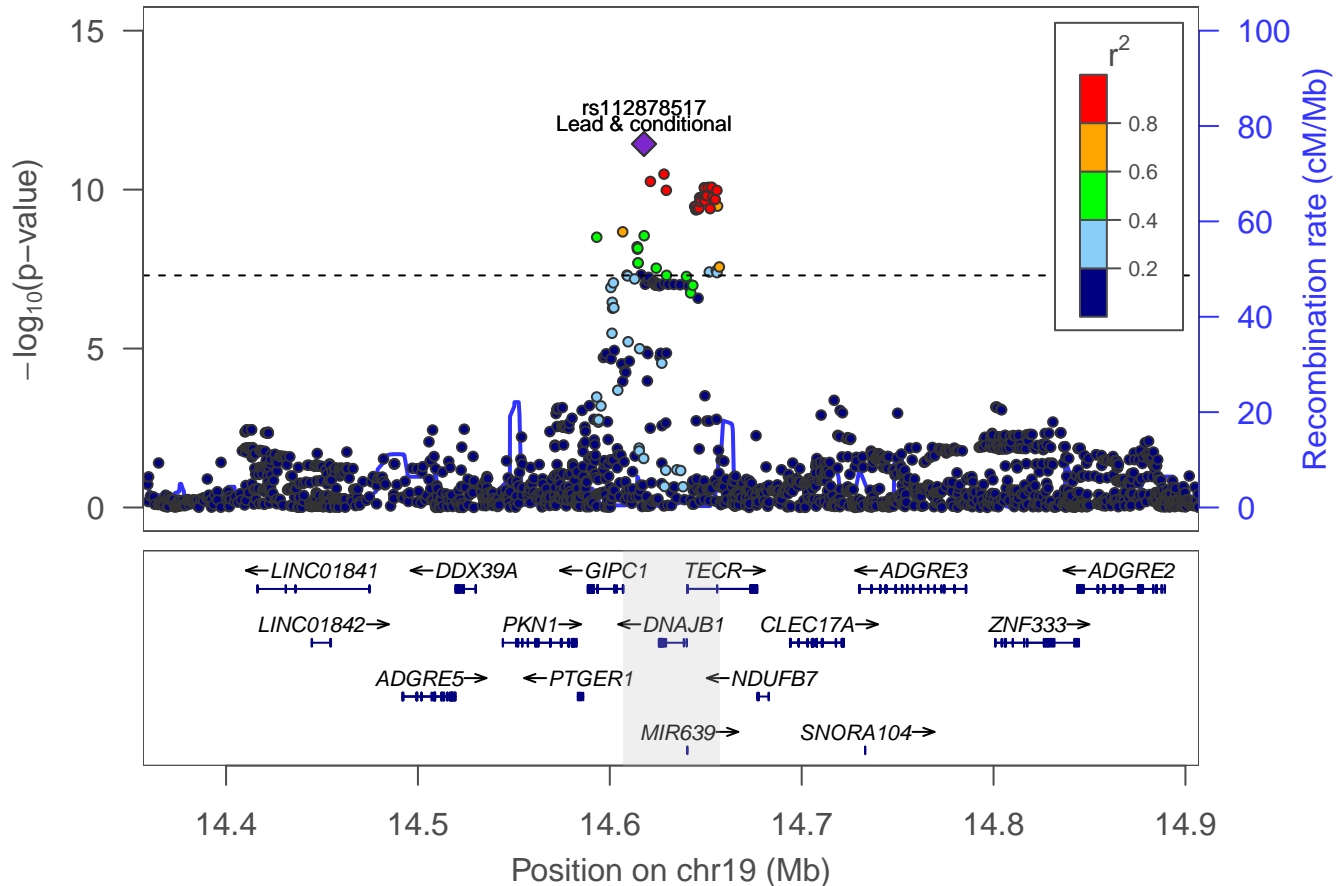
Adventurousness: locus 128 [chr 18:52.972–53.116Mb]



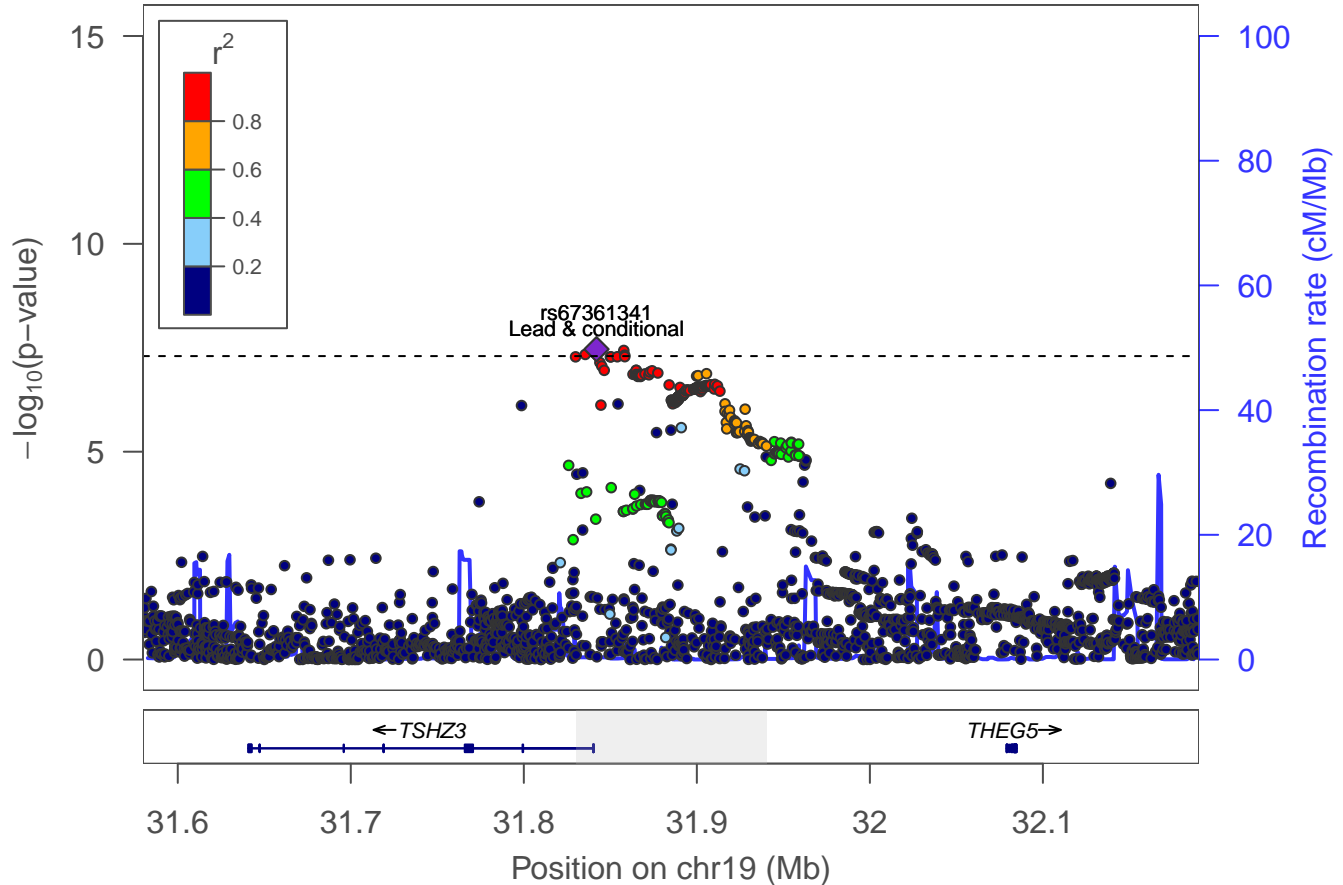
Adventurousness: locus 129 [chr 18:53.480–53.510Mb]



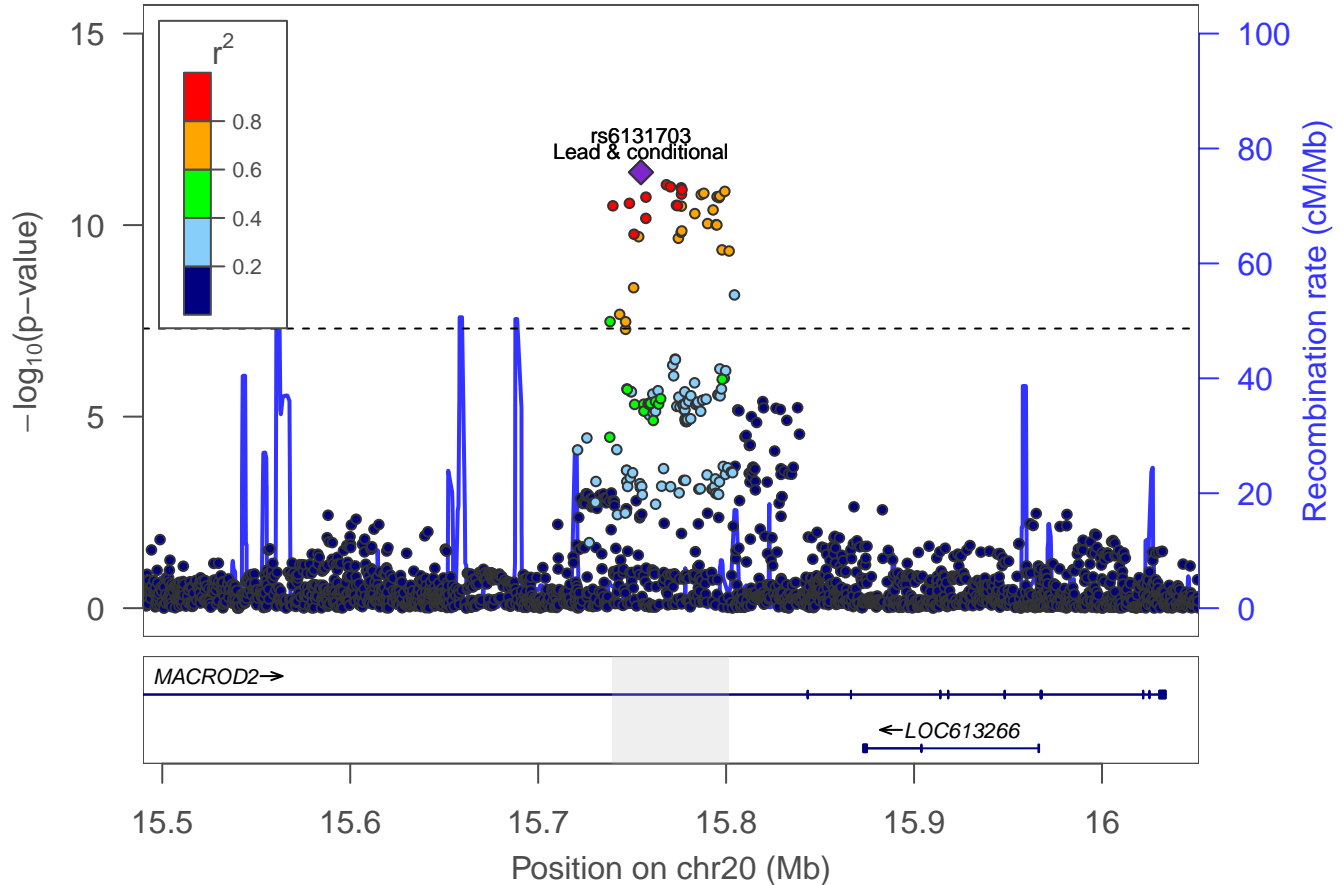
Adventurousness: locus 130 [chr 19:14.607–14.657Mb]



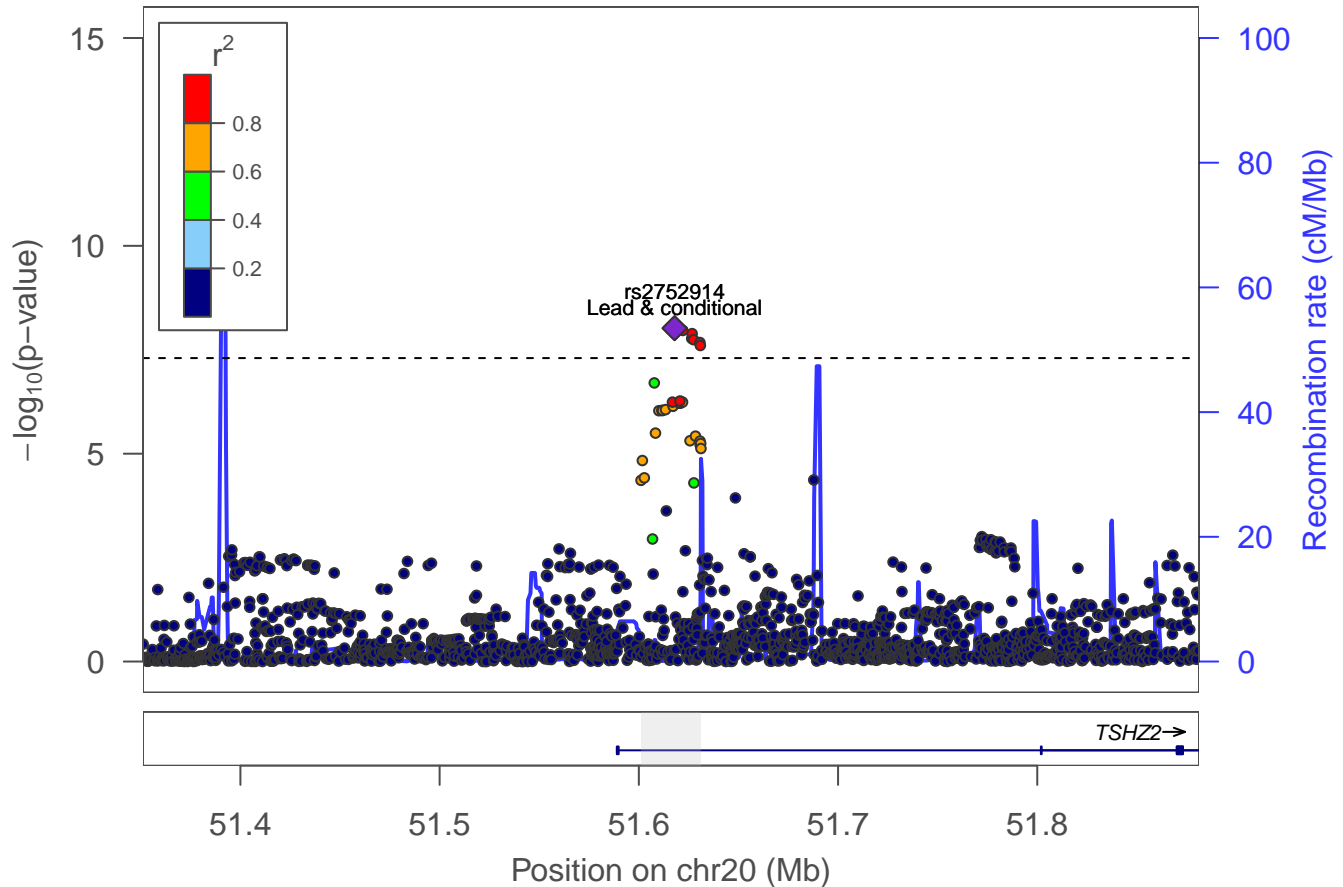
Adventurousness: locus 131 [chr 19:31.830–31.940Mb]



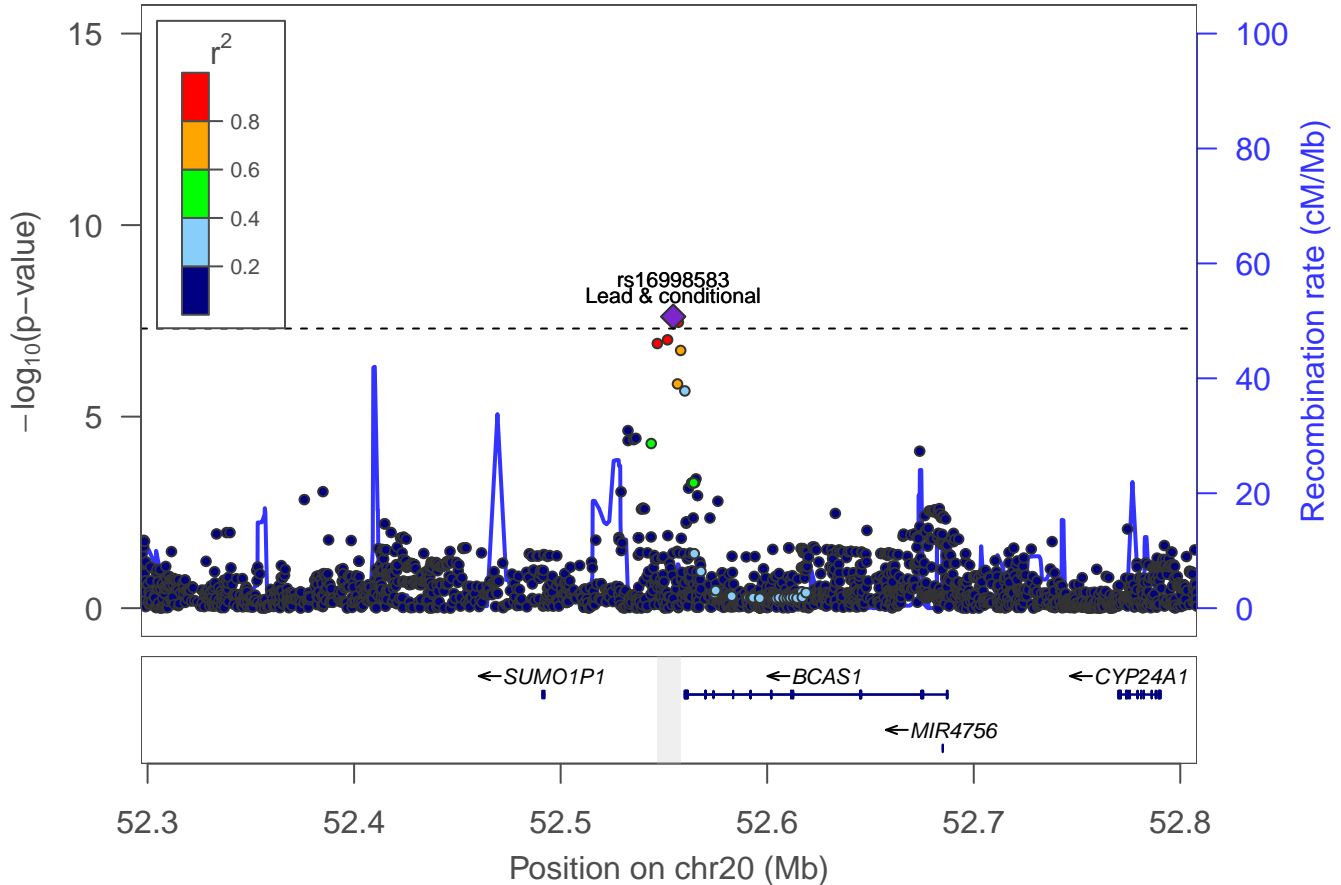
Adventurousness: locus 132 [chr 20:15.740–15.802Mb]



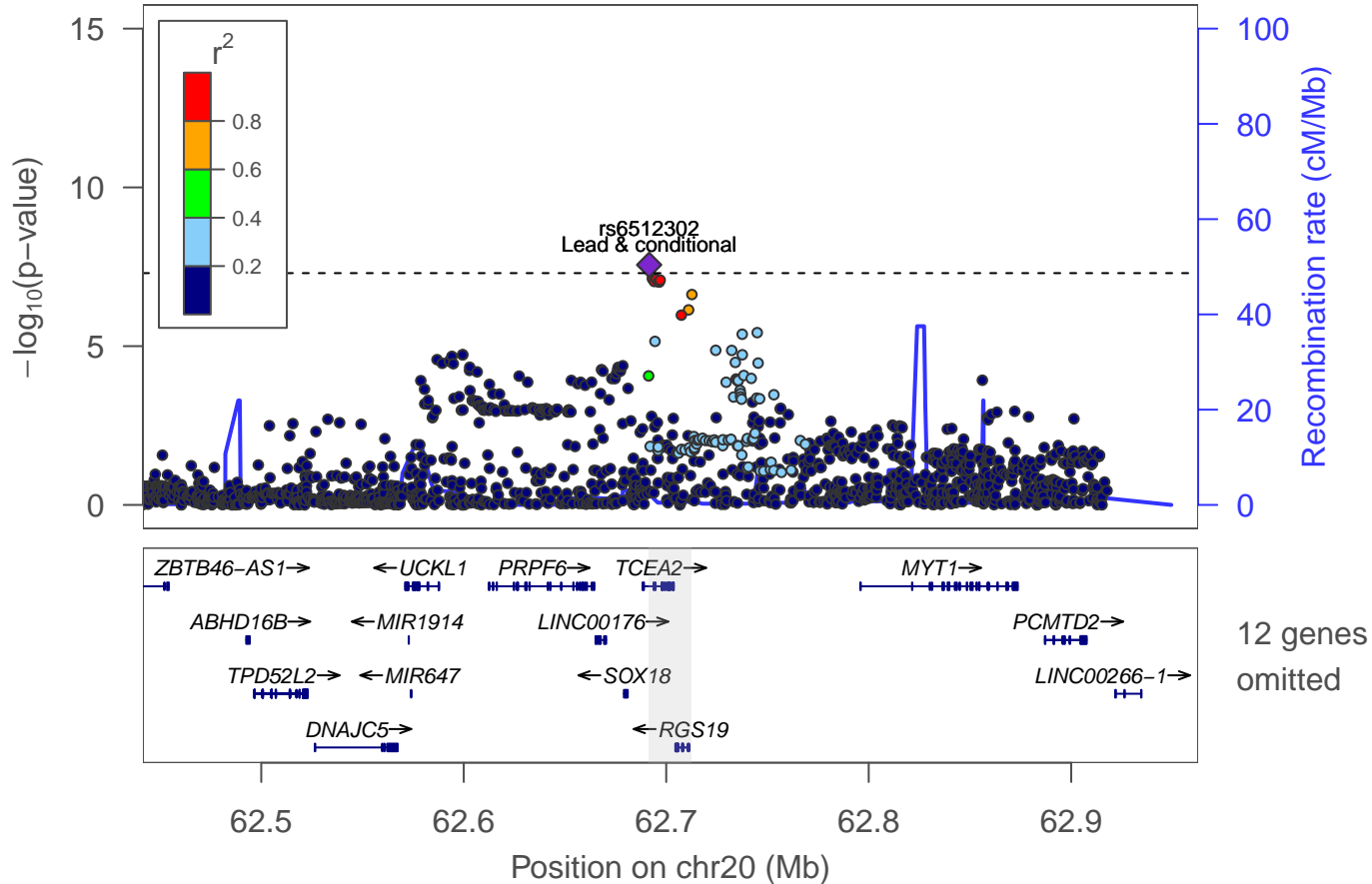
Adventurousness: locus 133 [chr 20:51.601–51.631Mb]



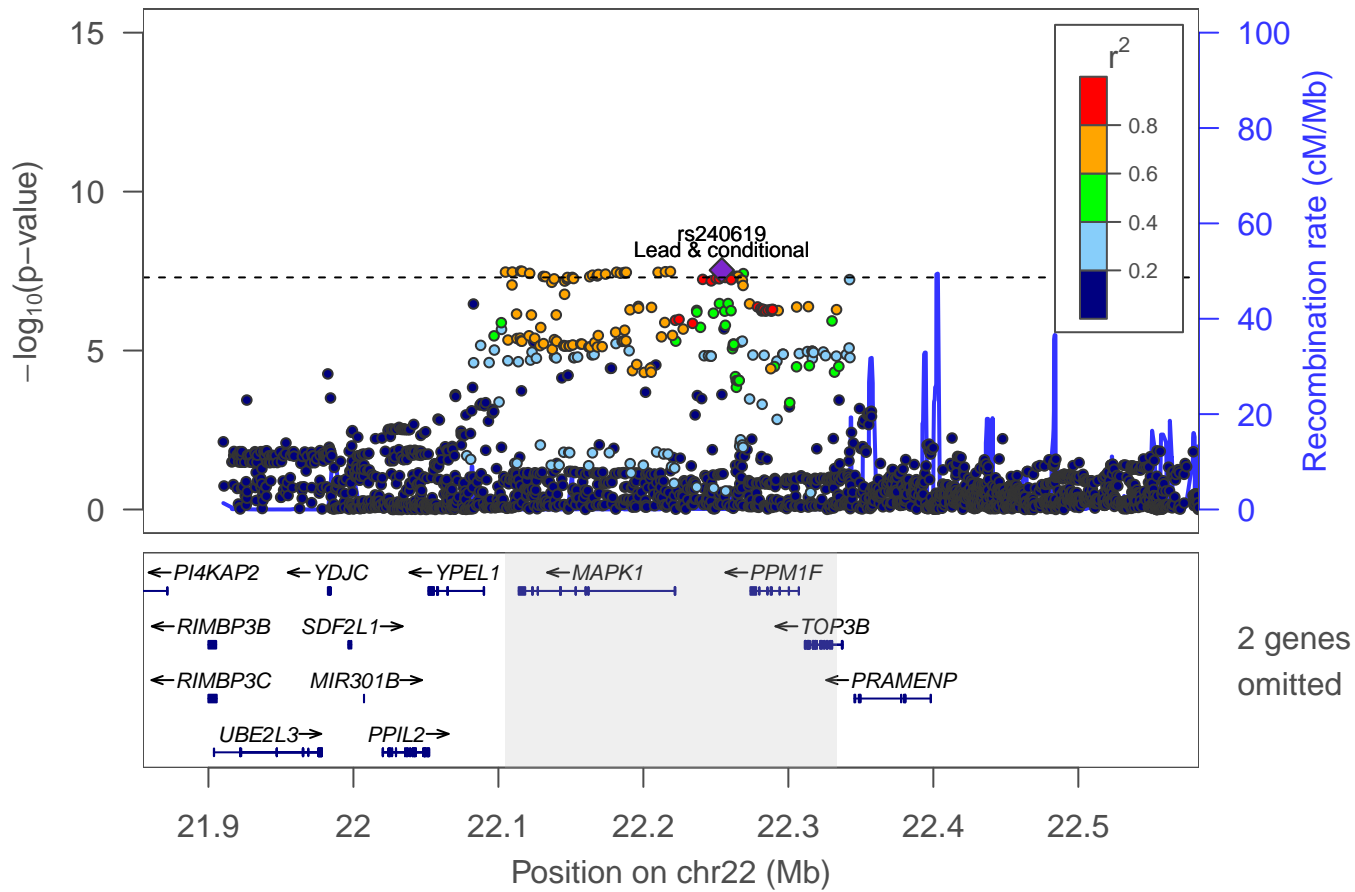
Adventurousness: locus 134 [chr 20:52.547–52.558Mb]



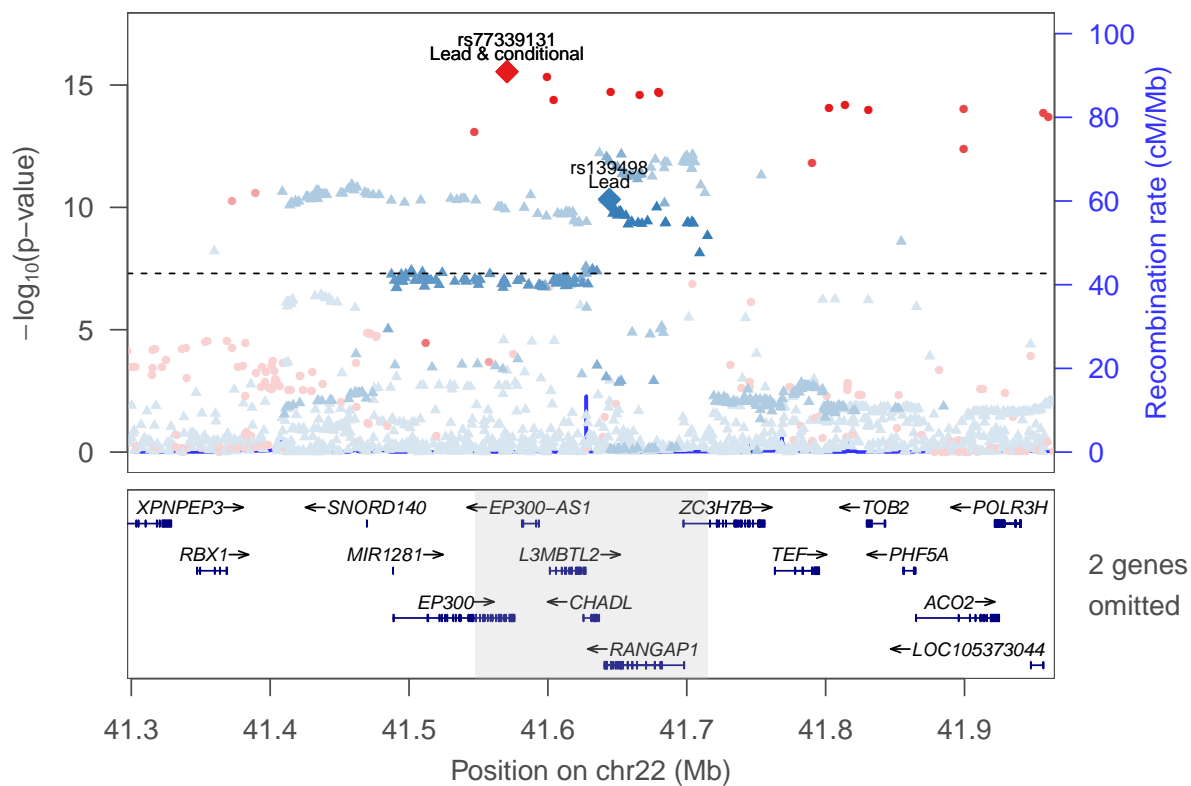
Adventurousness: locus 135 [chr 20:62.692–62.713Mb]



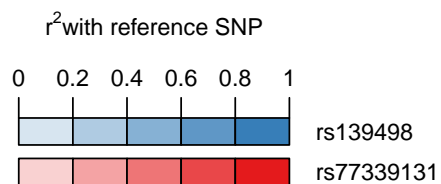
Adventurousness: locus 136 [chr 22:22.105–22.333Mb]



Adventurousness: Locus 137 [chr 22: 41.547–41.715Mb]

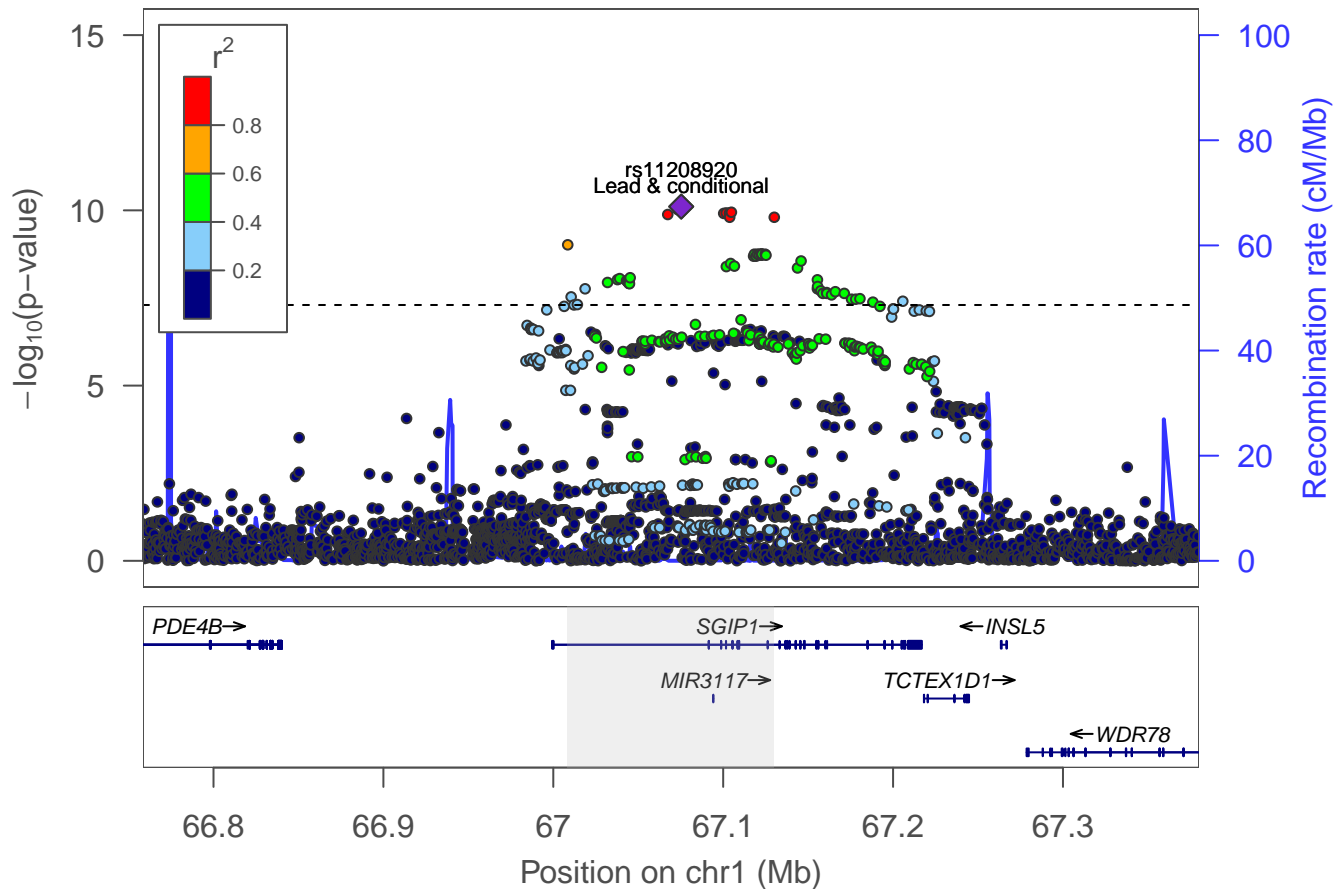


rs139498 ▲
 rs77339131 ●

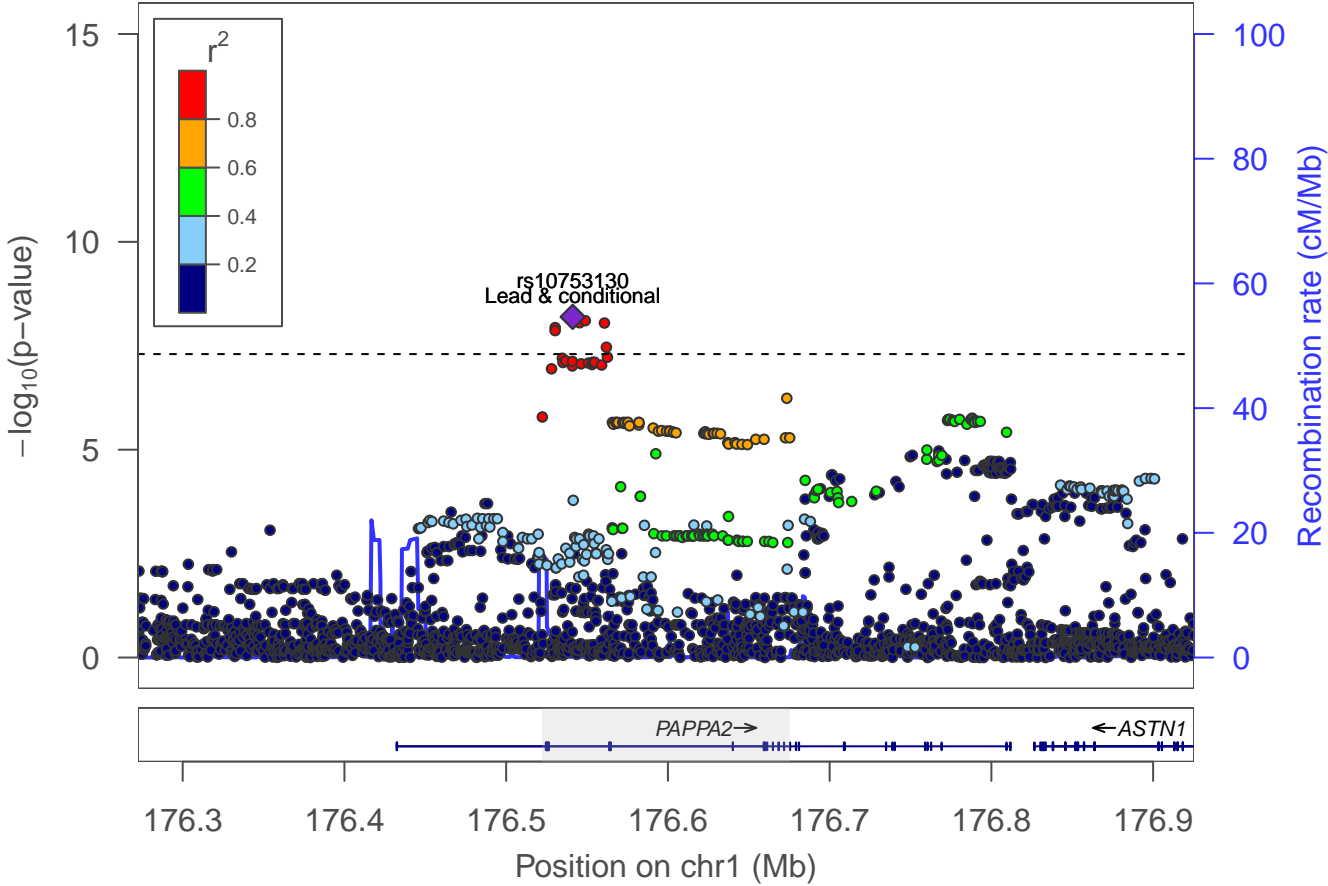


LocusZoom plots for the 36 loci identified
in the GWAS of automobile speeding
propensity

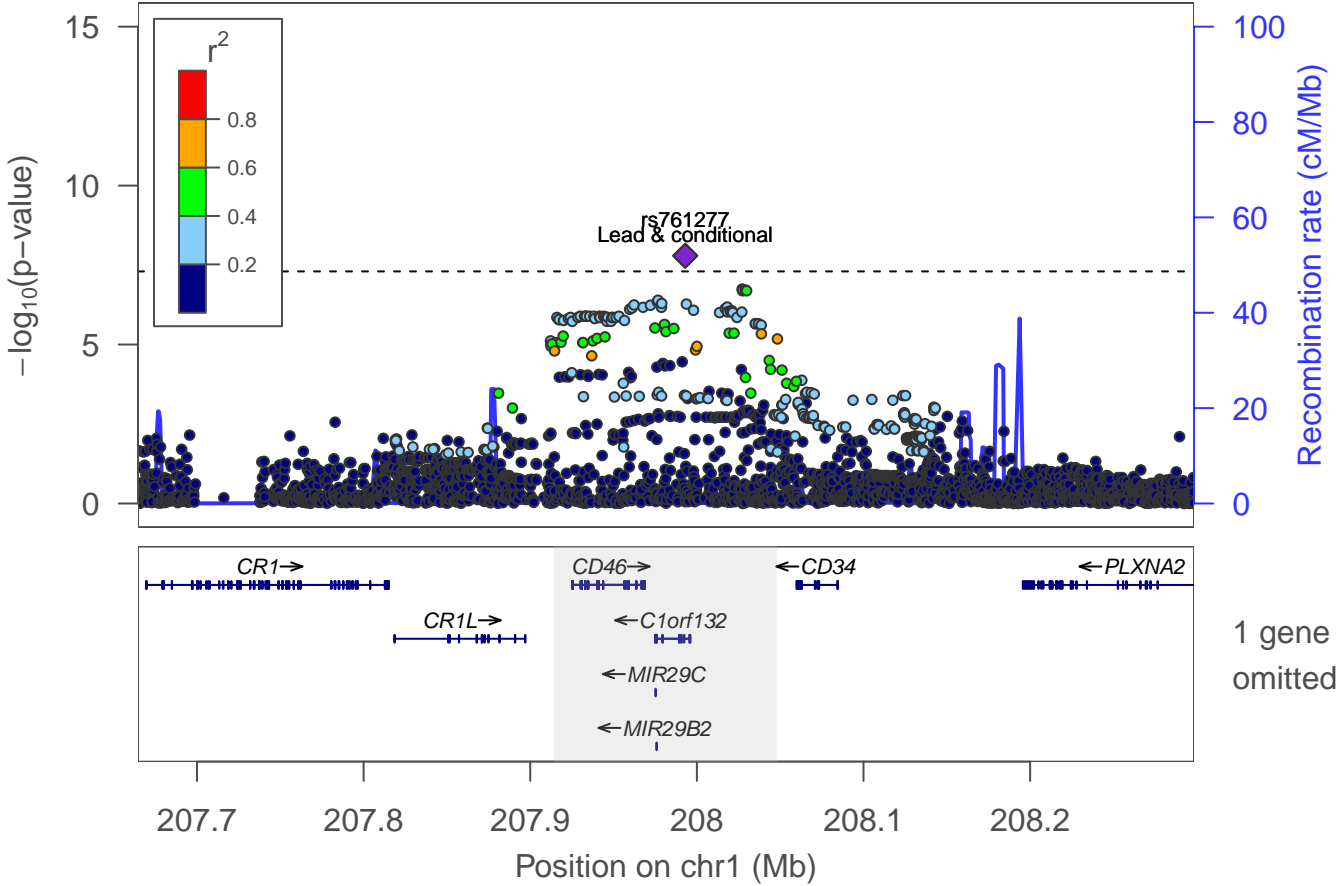
Auto. speeding propensity: locus 1 [chr 1:67.008–67.130Mb]



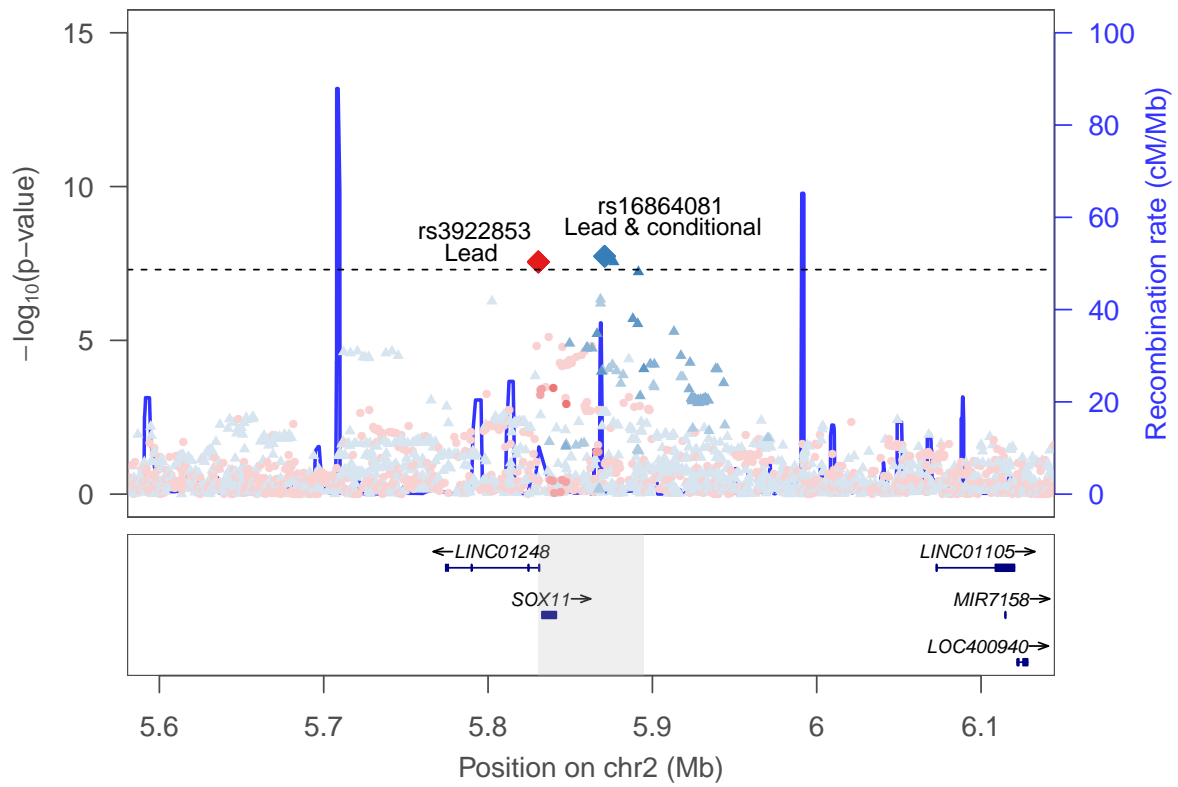
Auto. speeding propensity: locus 2 [chr 1:176.522–176.675Mb]



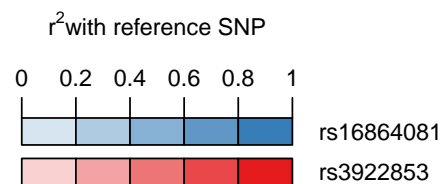
Auto. speeding propensity: locus 3 [chr 1:207.915–208.048Mb]



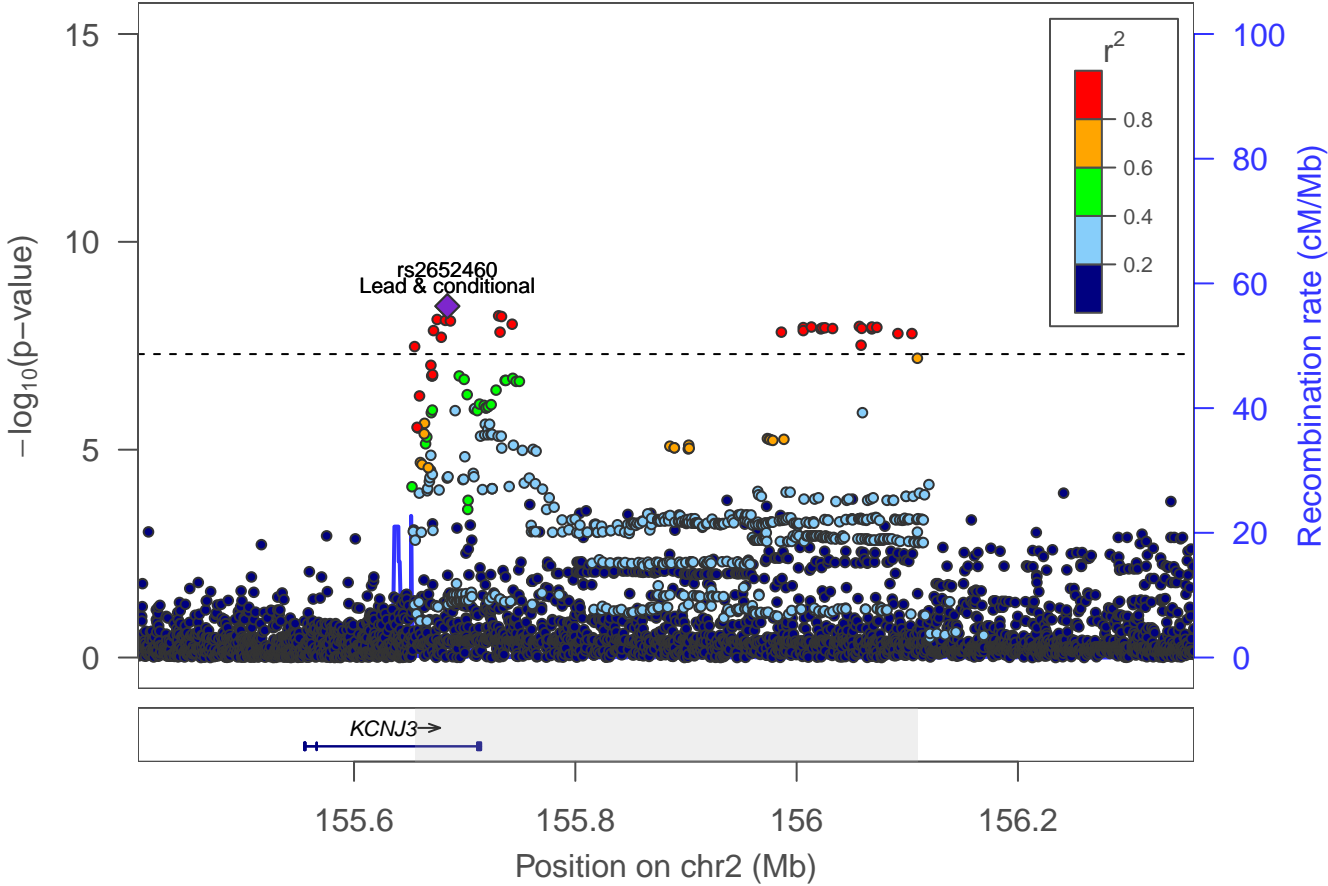
Auto. speeding propensity: Locus 4 [chr 2: 5.831–5.895Mb]



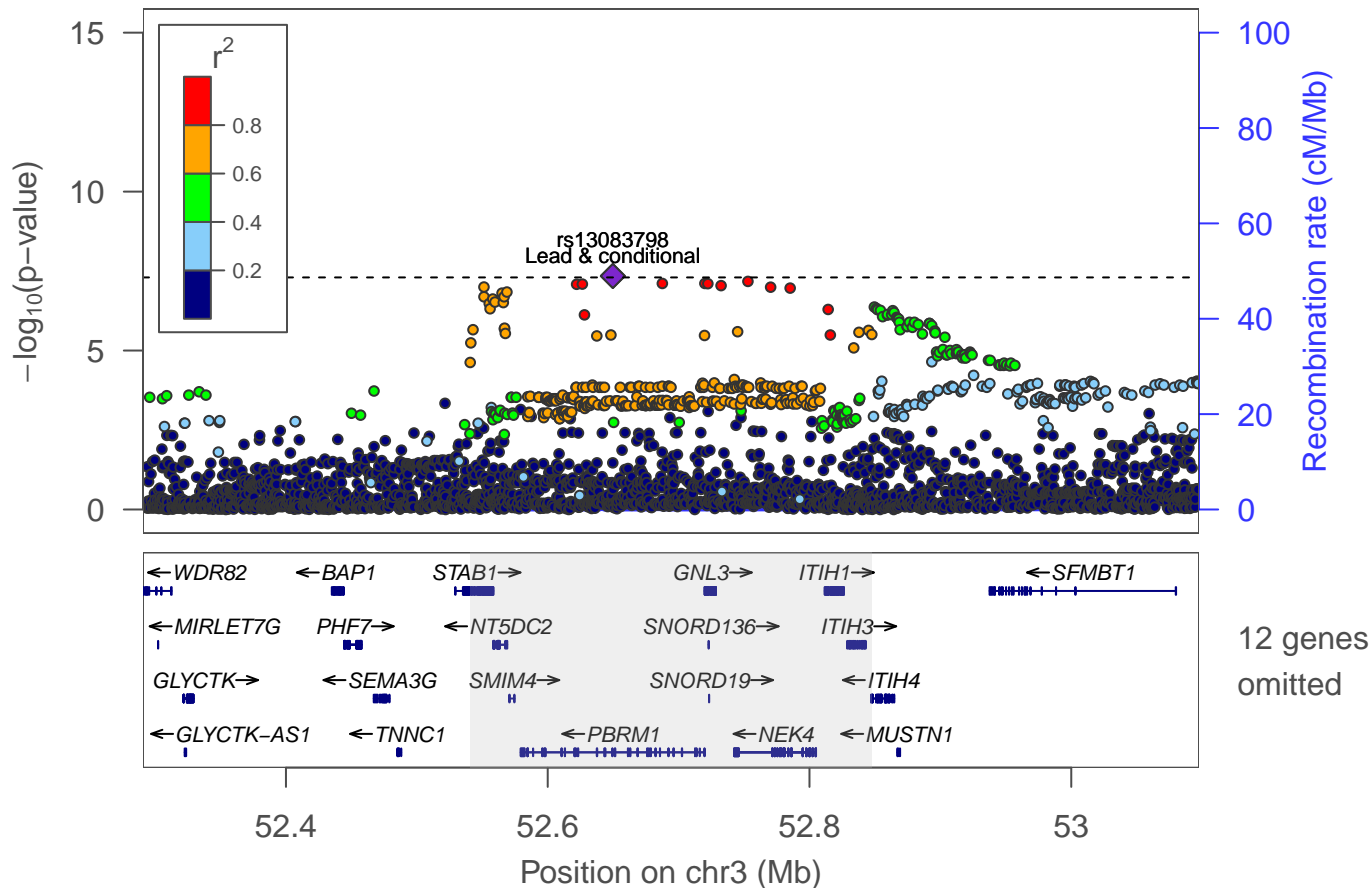
rs16864081 ▲
rs3922853 ●



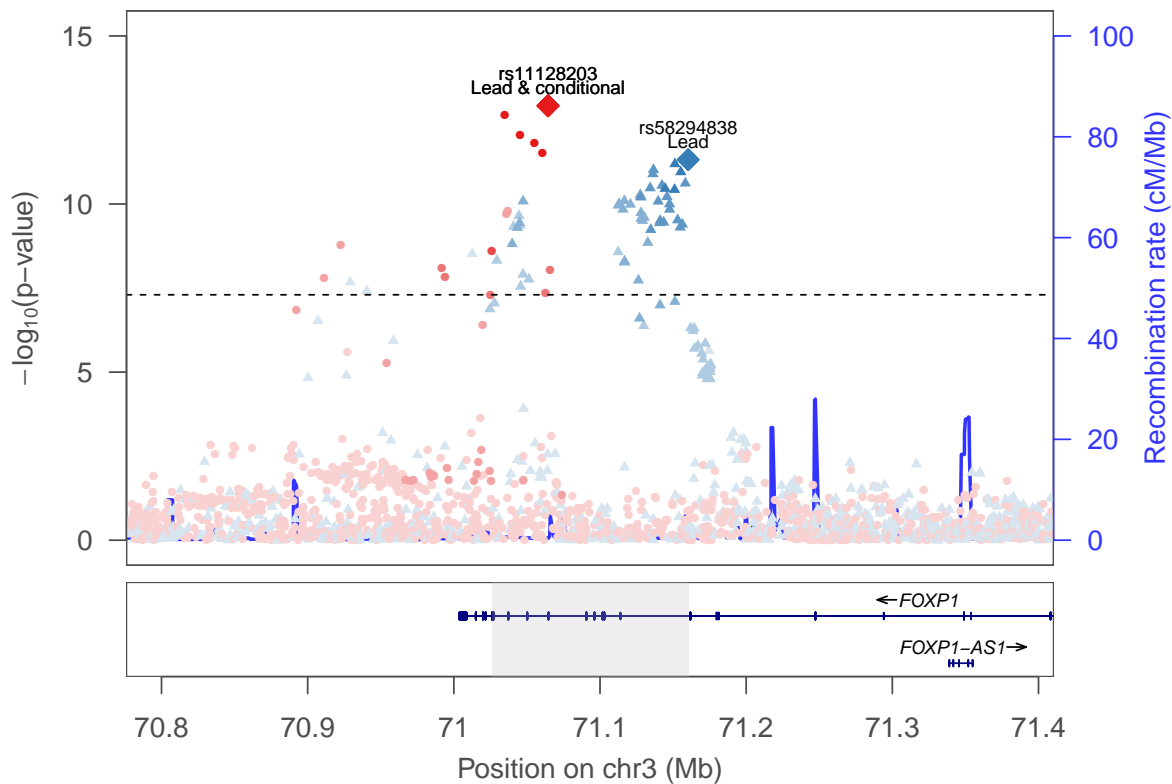
Auto. speeding propensity: locus 5 [chr 2:155.655–156.109Mb]



Auto. speeding propensity: locus 6 [chr 3:52.541–52.848Mb]



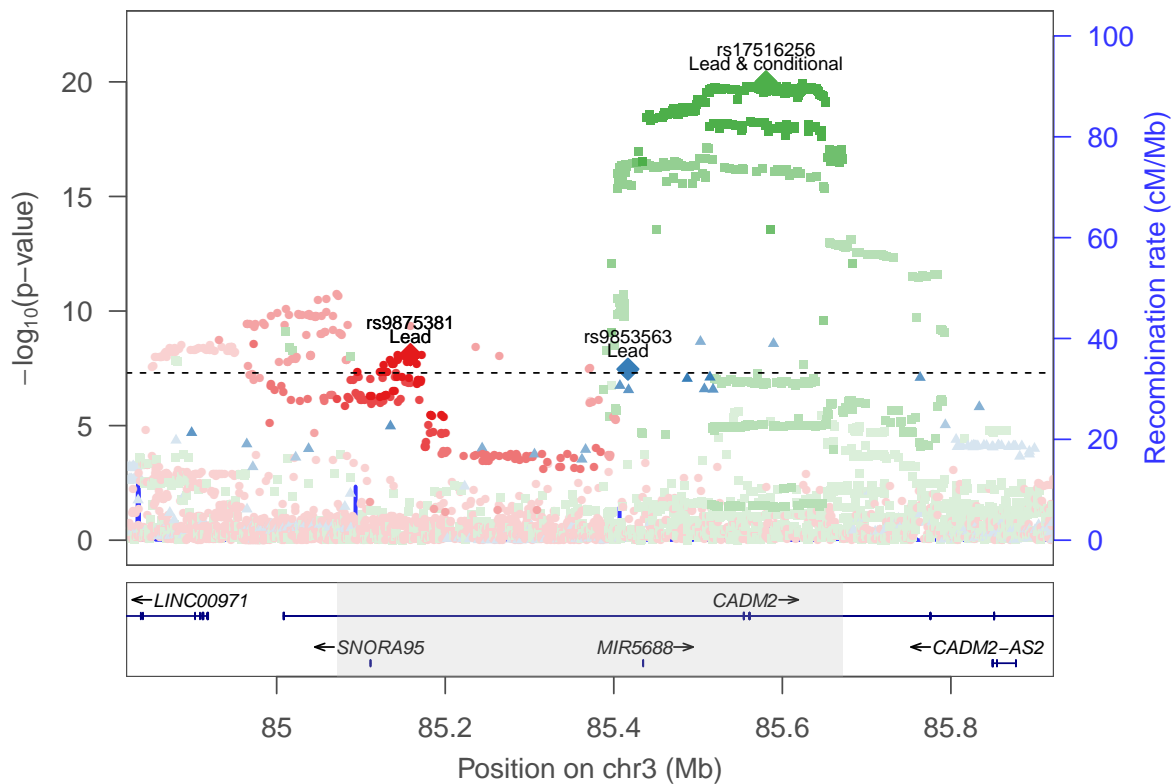
Auto. speeding propensity: Locus 7 [chr 3: 71.026–71.160Mb]



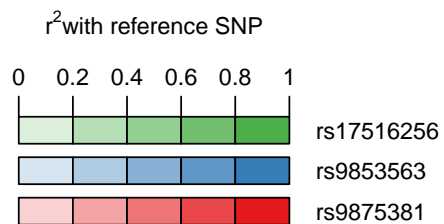
rs58294838 ▲
rs11128203 ●



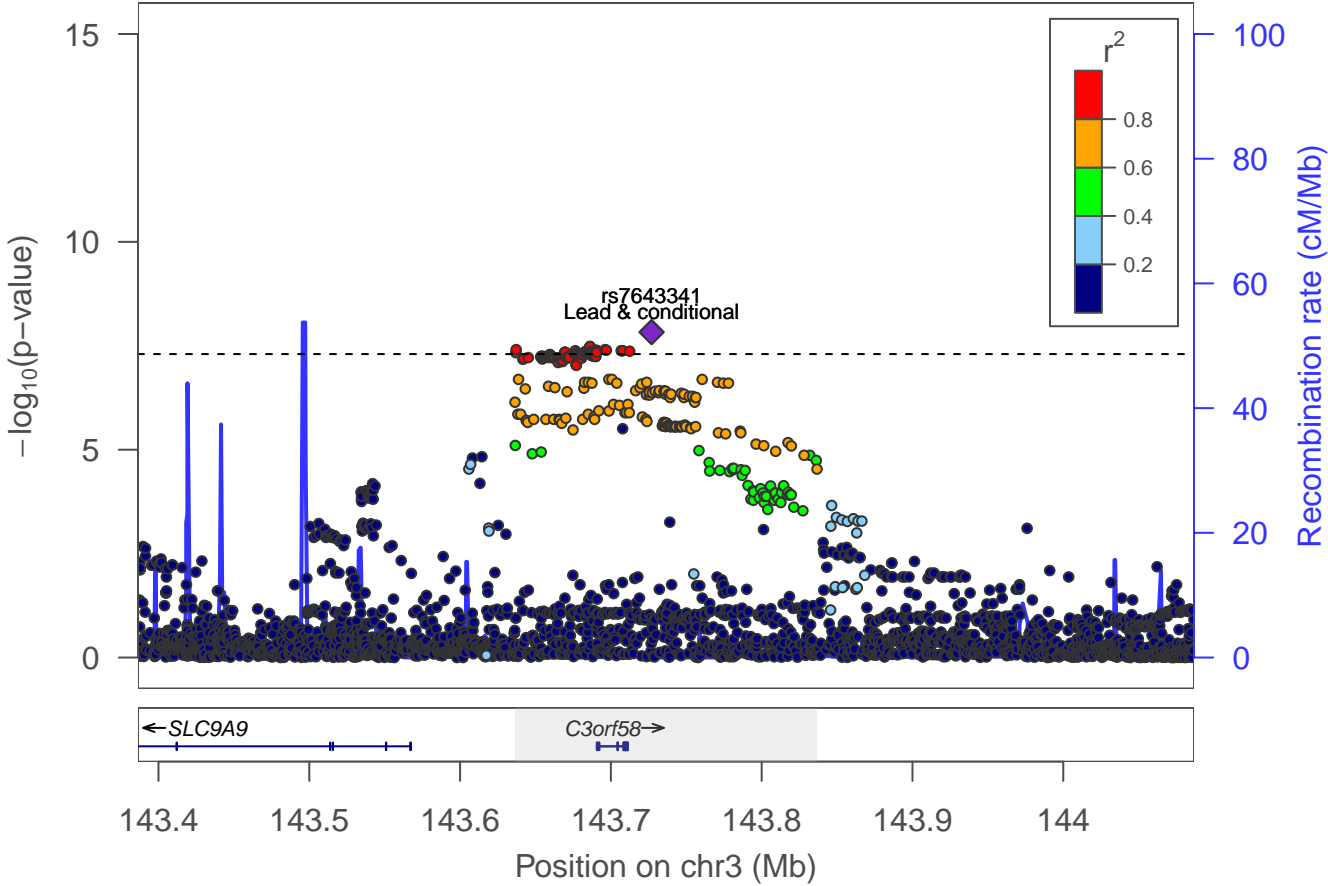
Auto. speeding propensity: Locus 8 [chr 3: 85.072–85.672Mb]



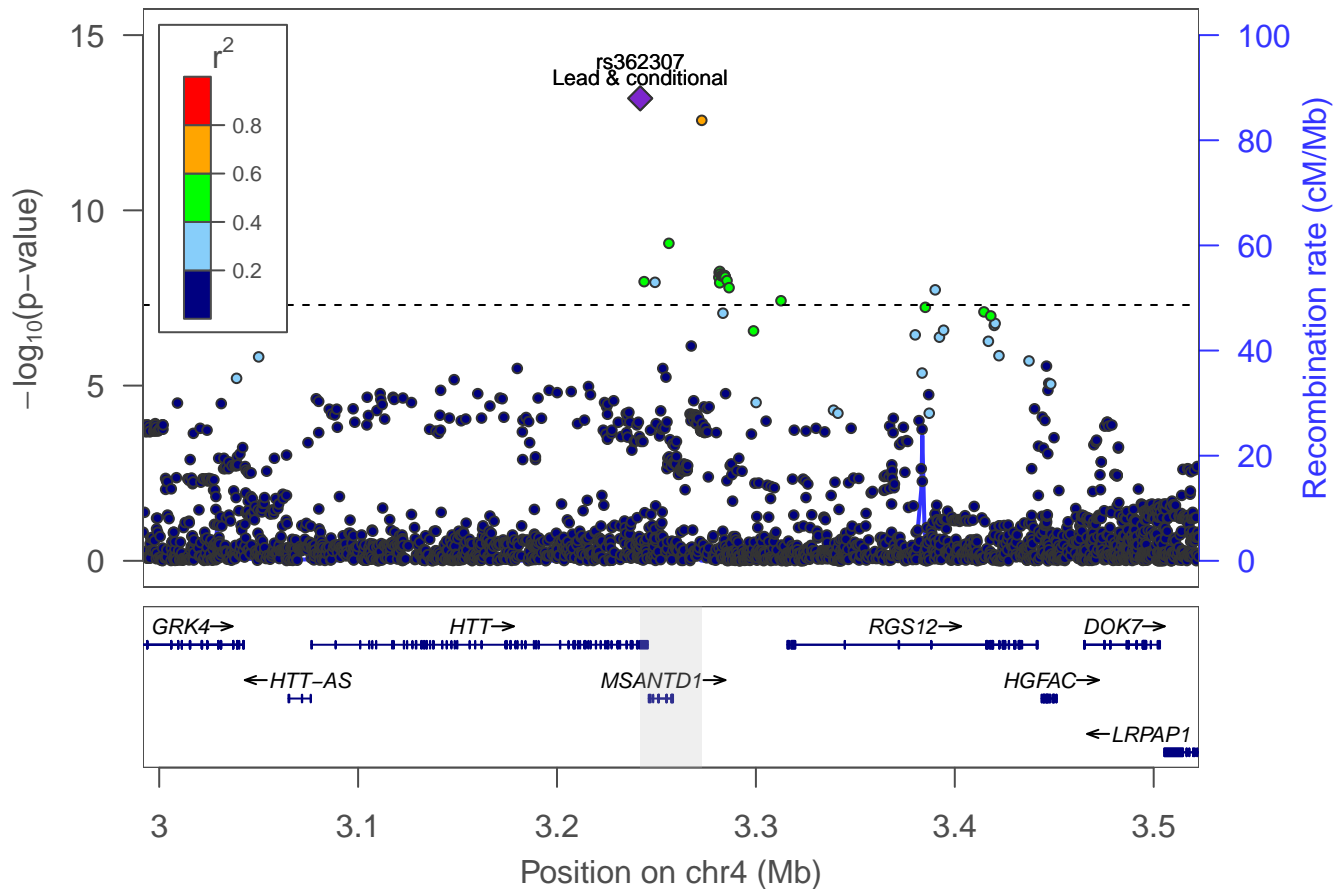
rs17516256 ■
 rs9853563 ▲
 rs9875381 ●



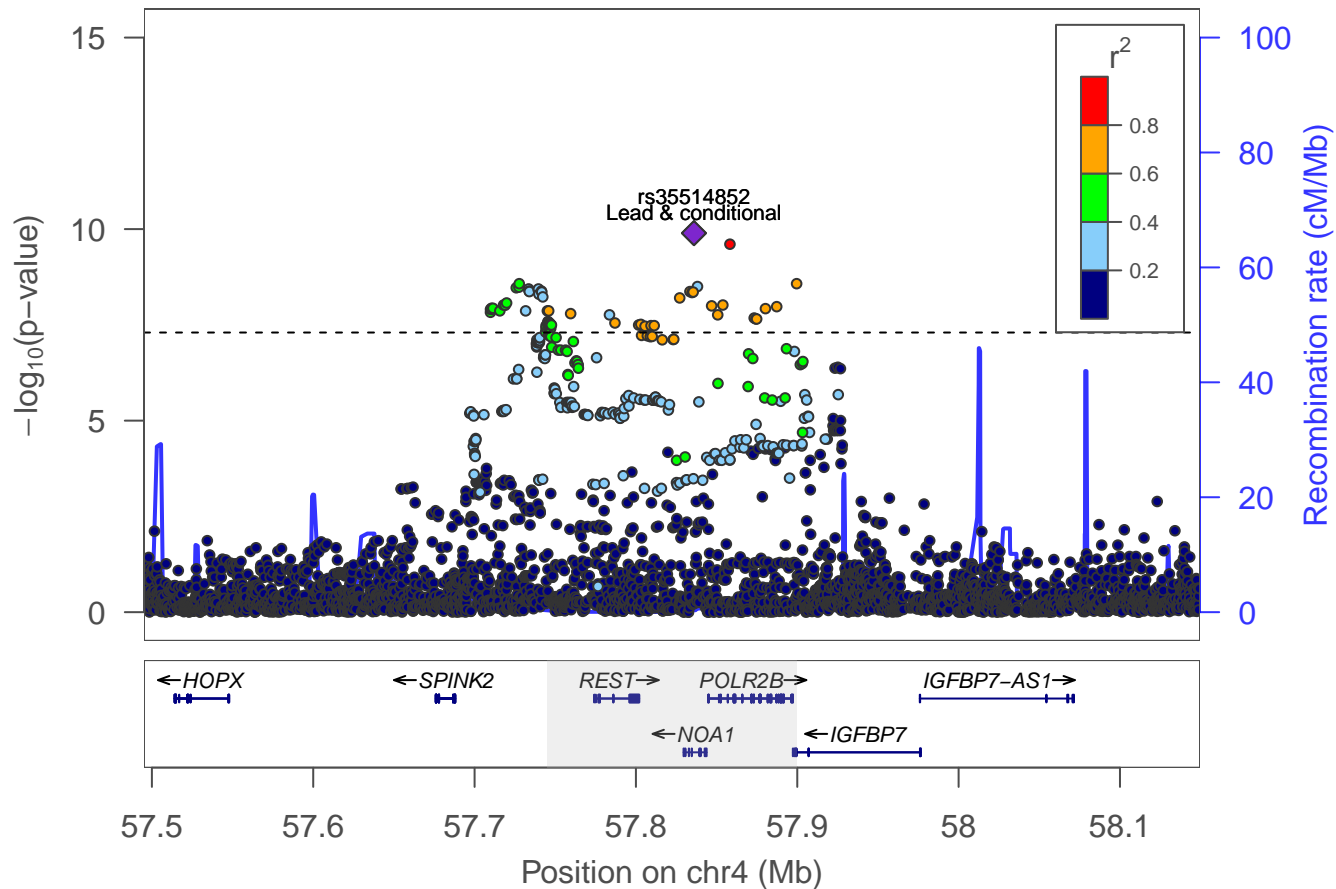
Auto. speeding propensity: locus 9 [chr 3:143.636–143.837Mb]



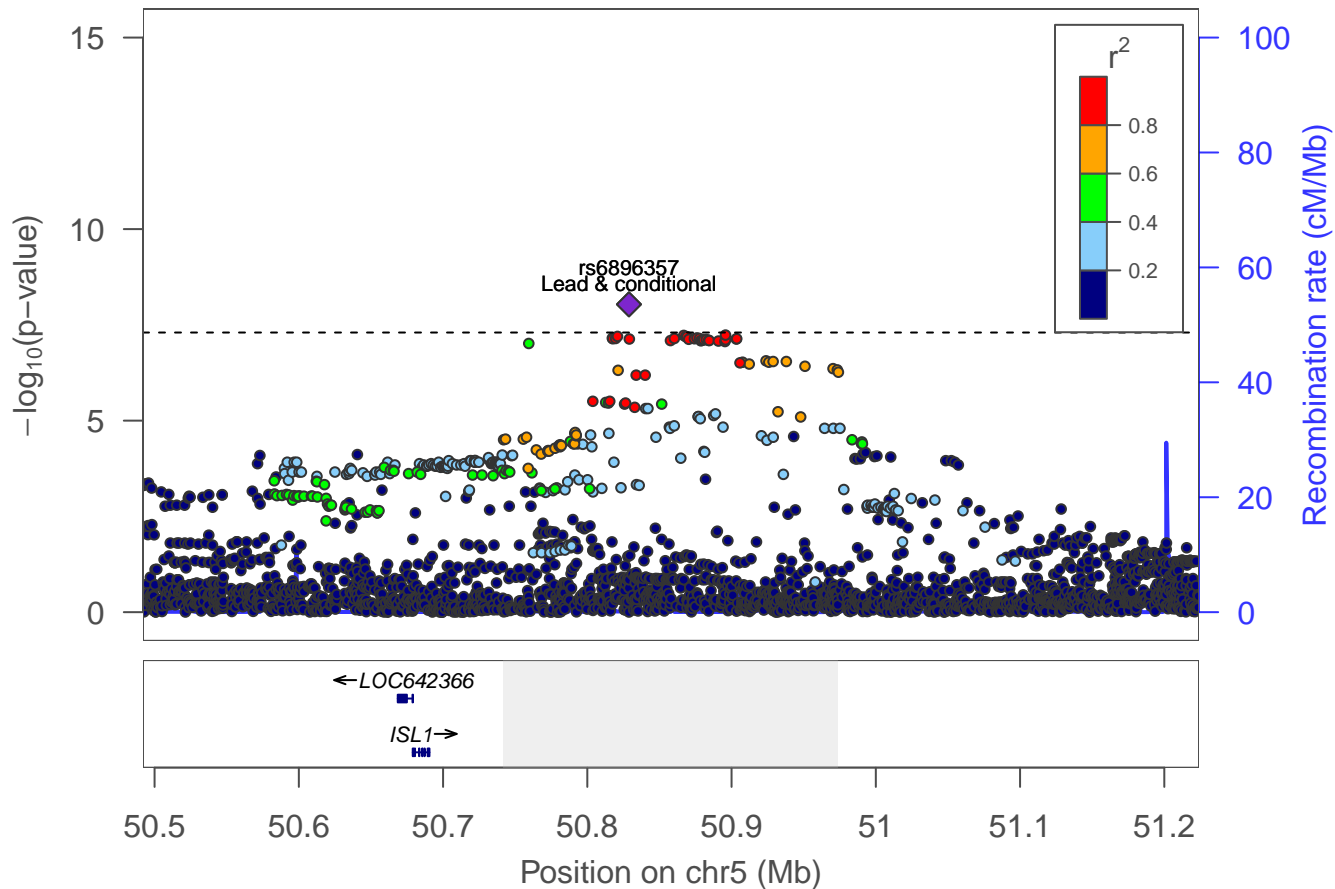
Auto. speeding propensity: locus 10 [chr 4:3.242–3.273Mb]



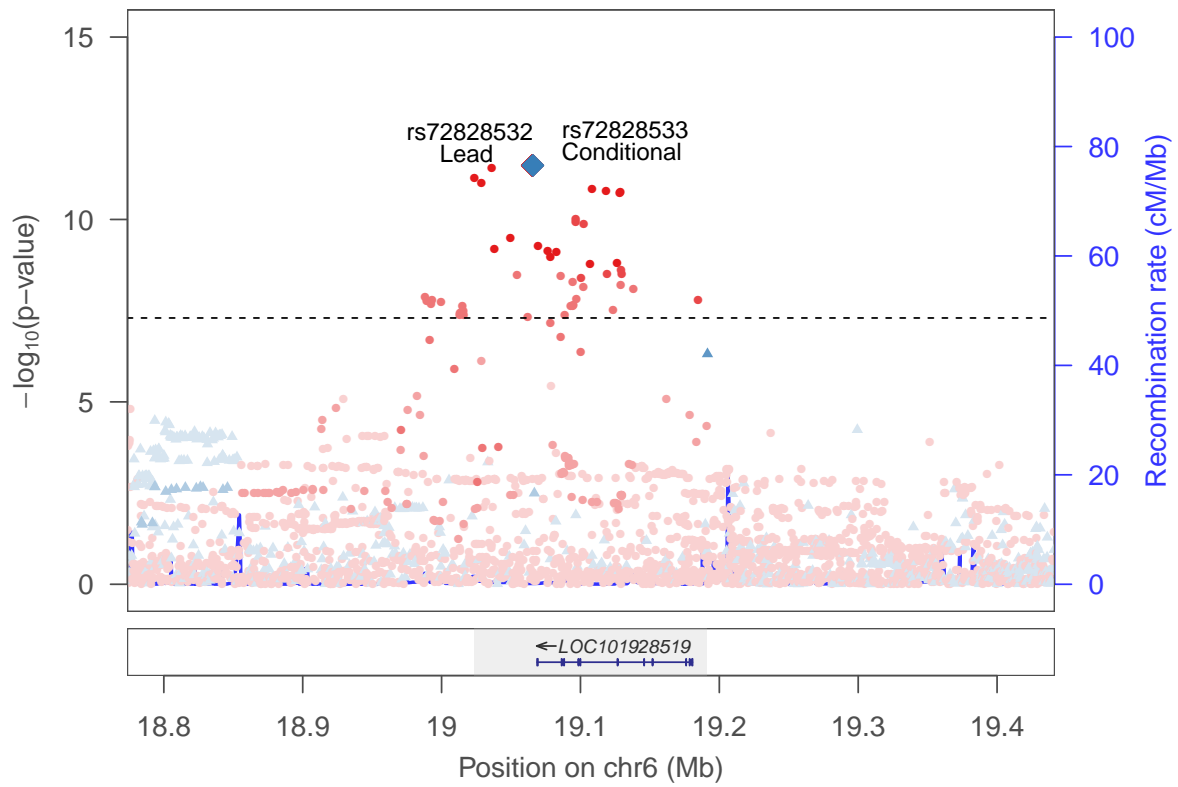
Auto. speeding propensity: locus 11 [chr 4:57.745–57.900Mb]



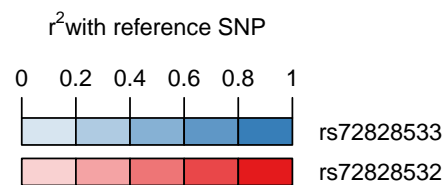
Auto. speeding propensity: locus 12 [chr 5:50.742–50.974Mb]



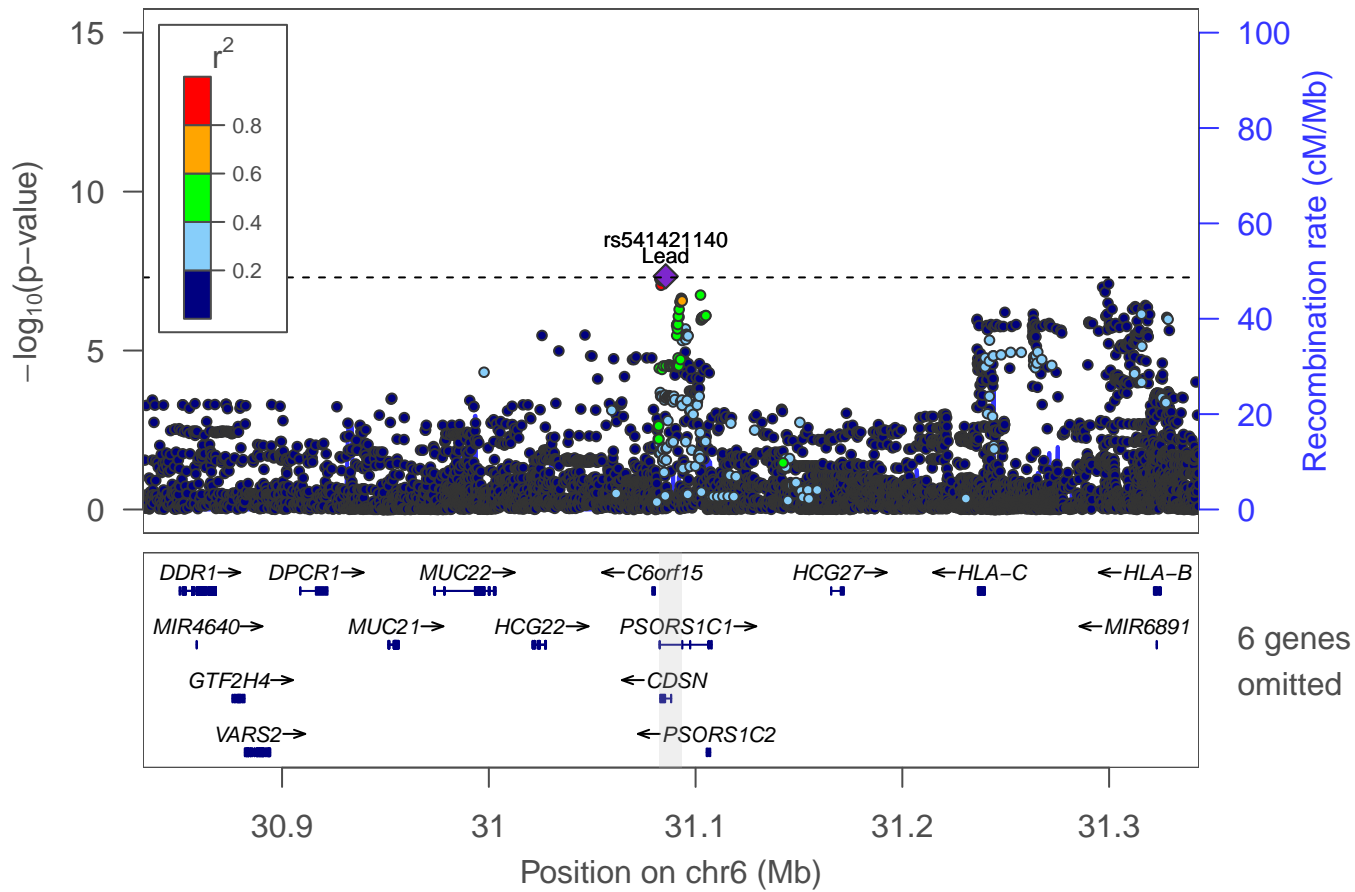
Auto. speeding propensity: Locus 13 [chr 6: 19.024–19.191Mb]



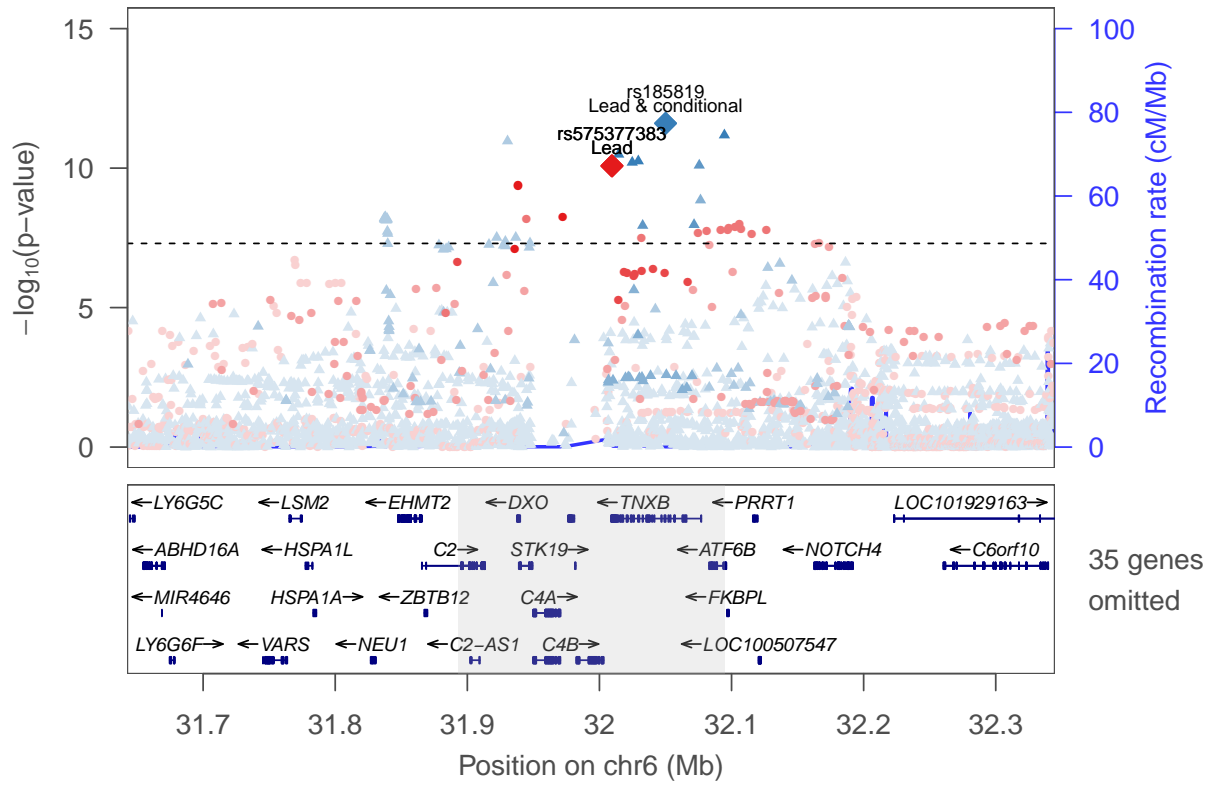
rs72828533 ▲
rs72828532 ●



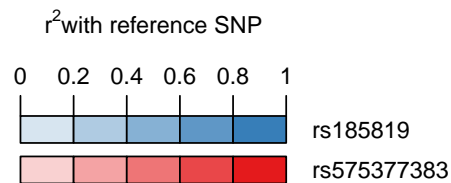
Auto. speeding propensity: locus 14 [chr 6:31.083–31.093Mb]



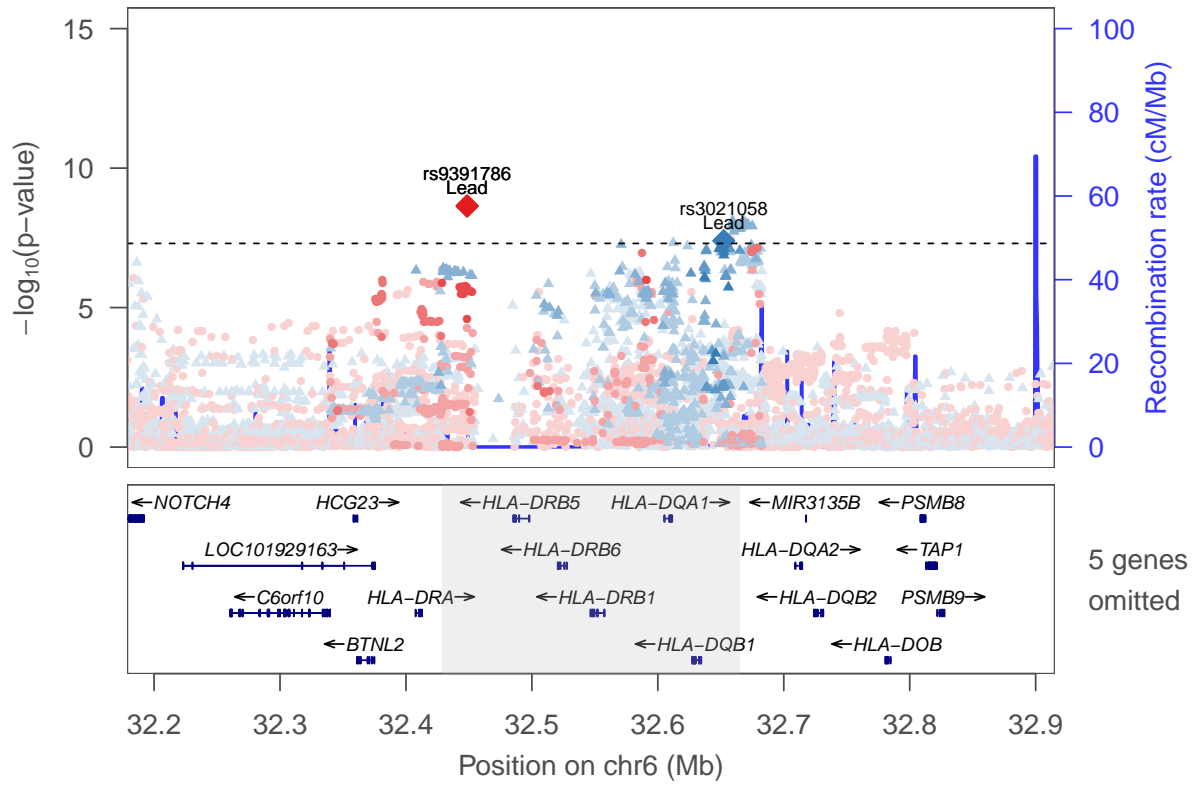
Auto. speeding propensity: Locus 15 [chr 6: 31.893–32.095Mb]



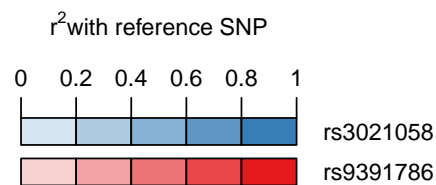
rs185819 ▲
 rs575377383 ●



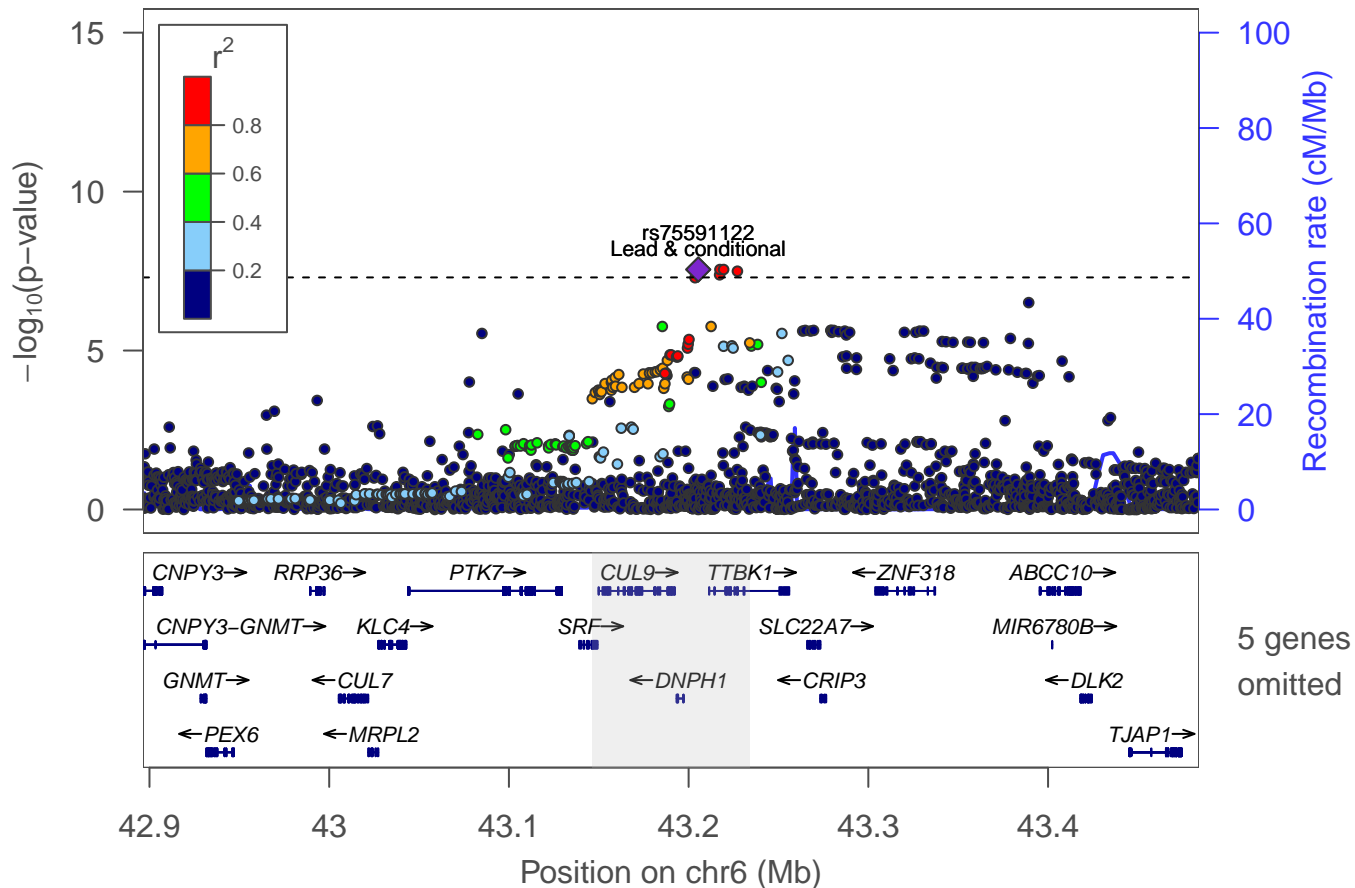
Auto. speeding propensity: Locus 16 [chr 6: 32.429–32.665Mb]



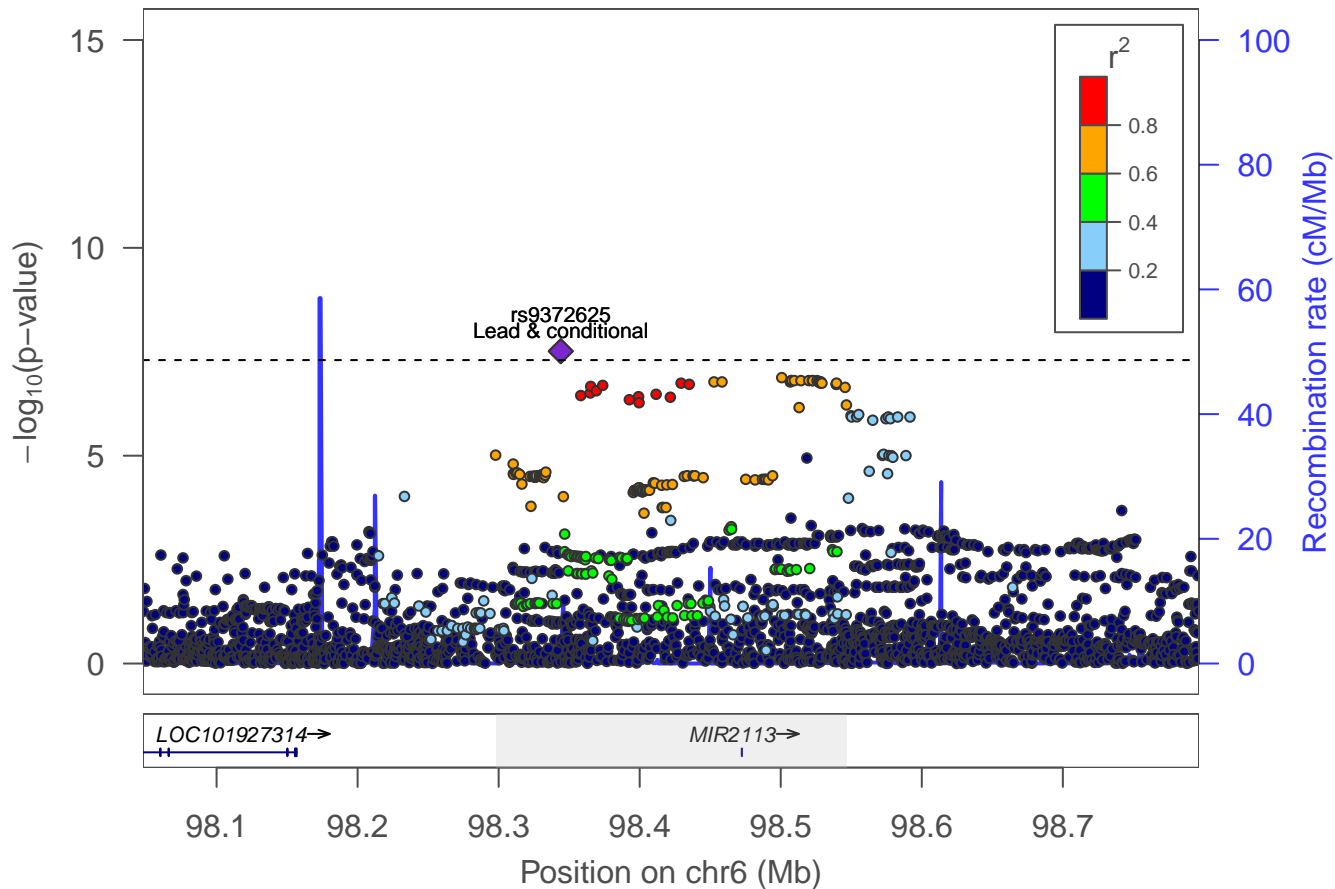
rs3021058 ▲
 rs9391786 ●



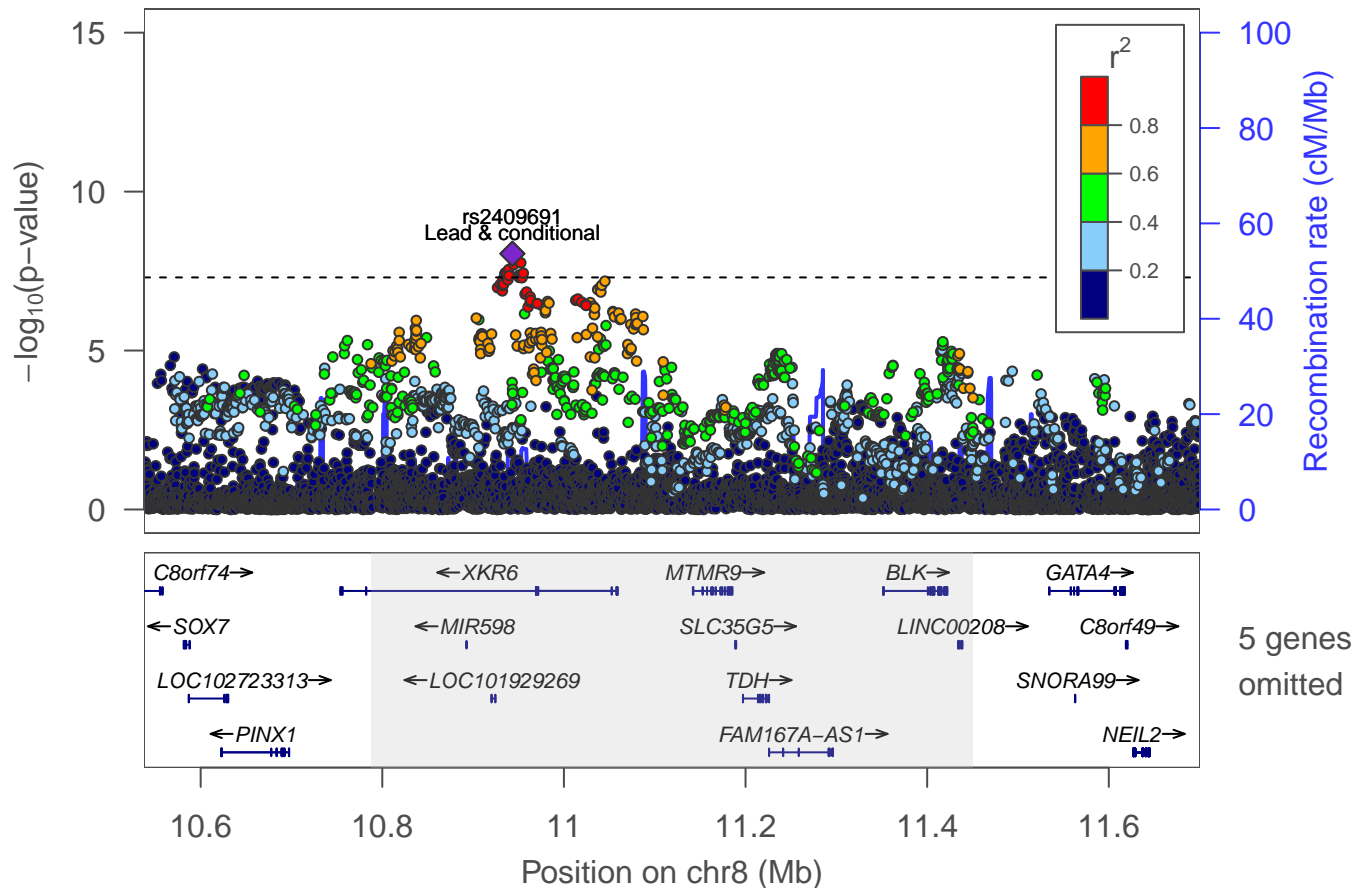
Auto. speeding propensity: locus 17 [chr 6:43.146–43.234Mb]



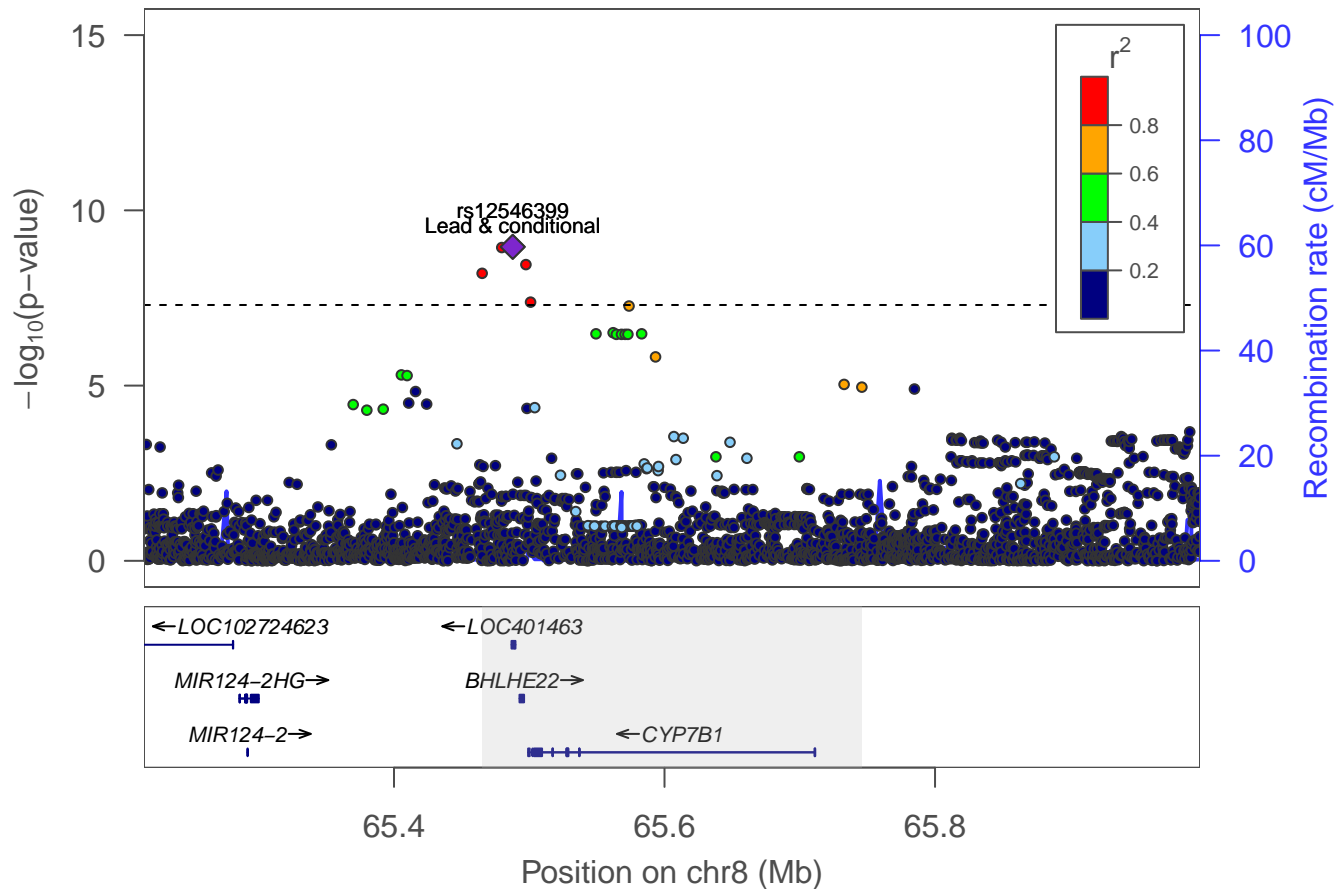
Auto. speeding propensity: locus 18 [chr 6:98.298–98.547Mb]



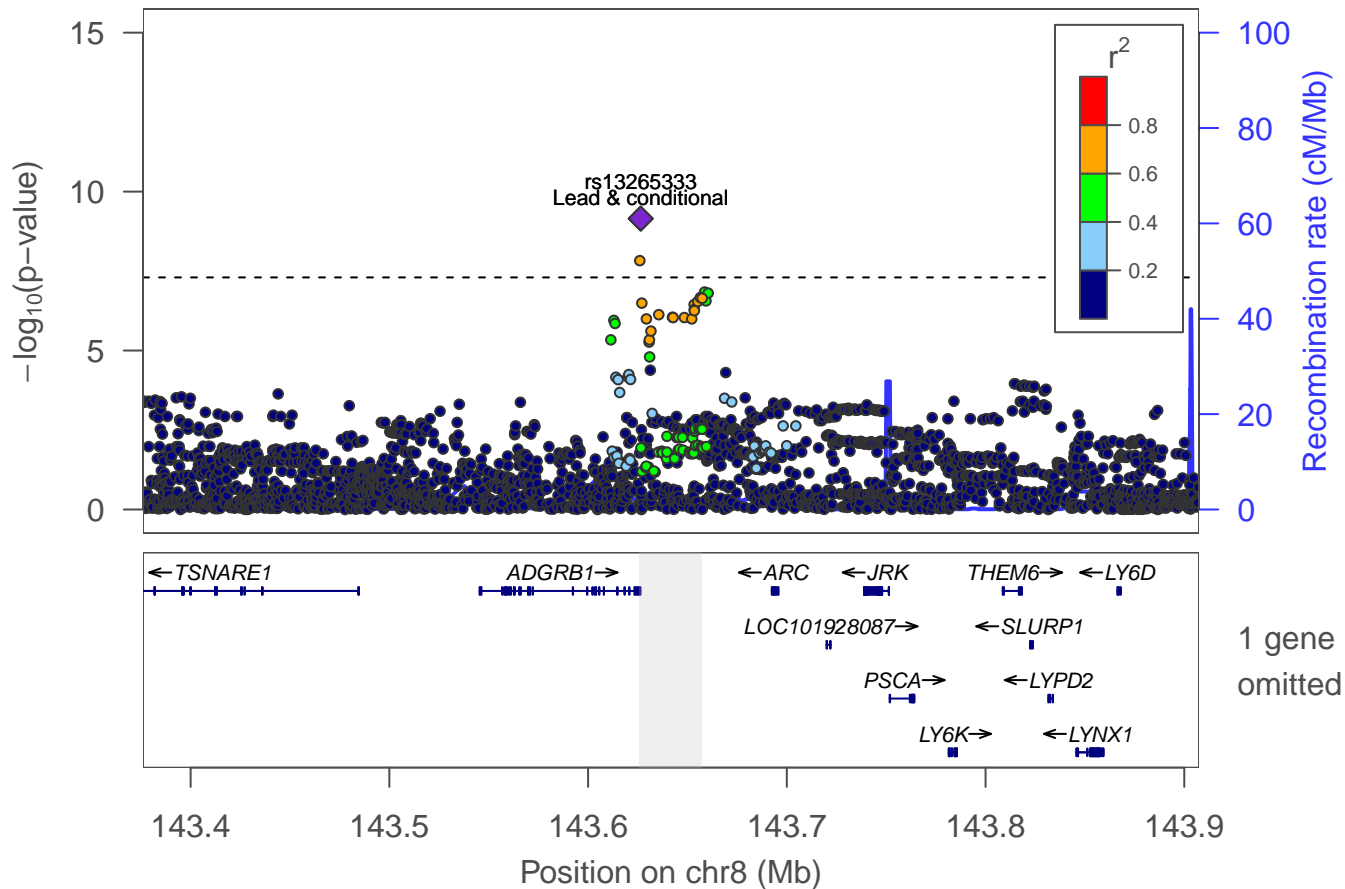
Auto. speeding propensity: locus 19 [chr 8:10.788–11.450Mb]



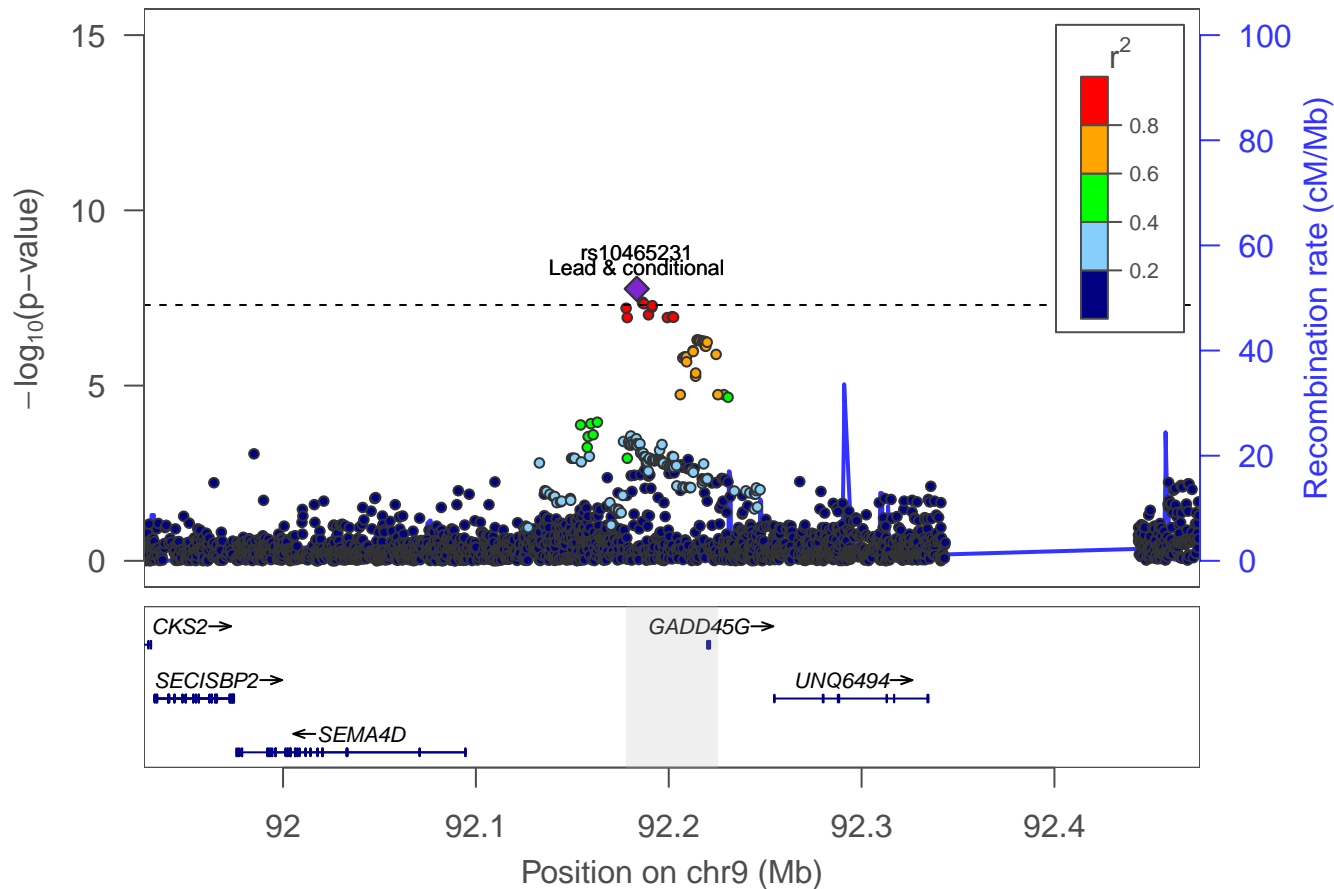
Auto. speeding propensity: locus 20 [chr 8:65.465–65.746Mb]



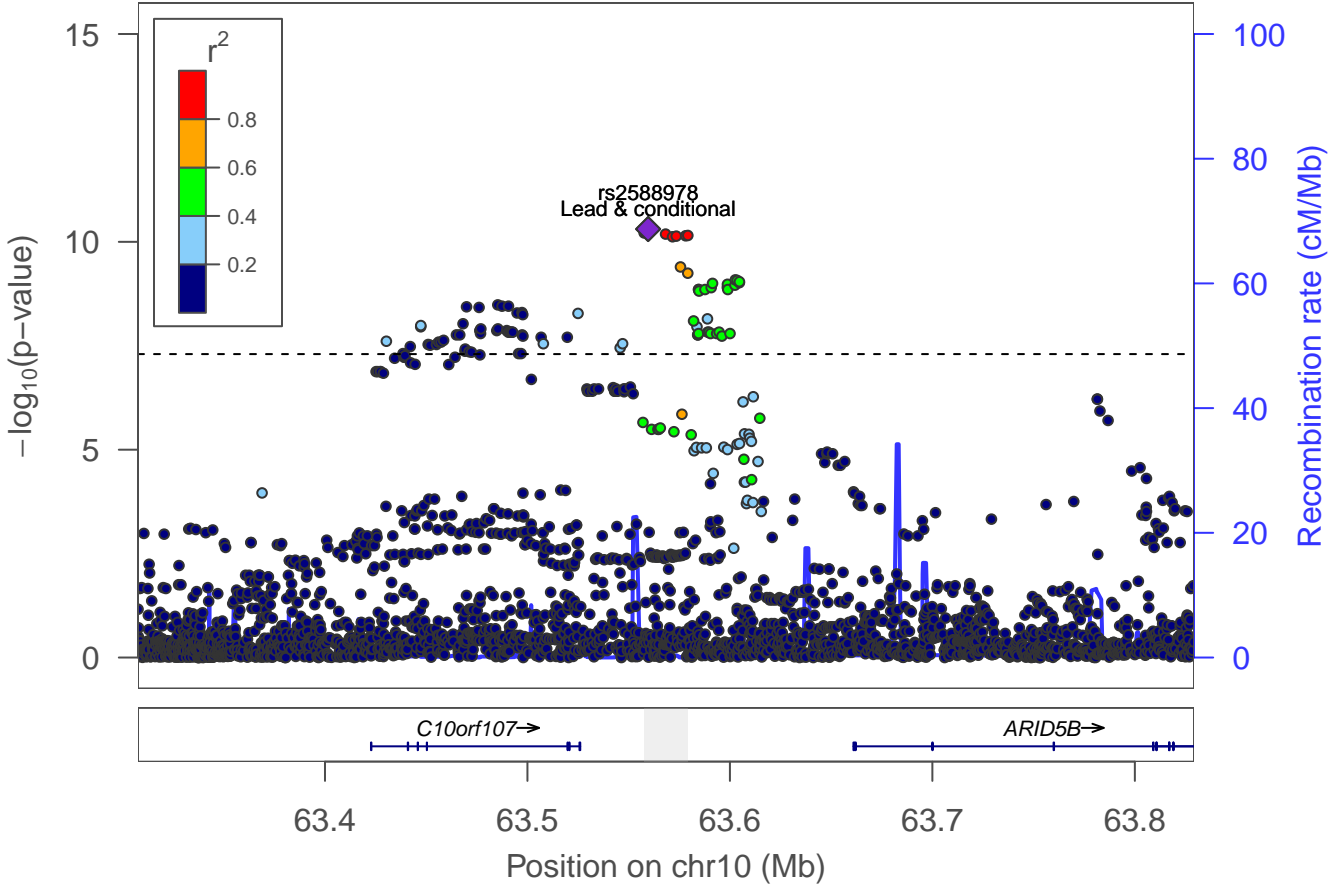
Auto. speeding propensity: locus 21 [chr 8:143.626–143.657Mb]



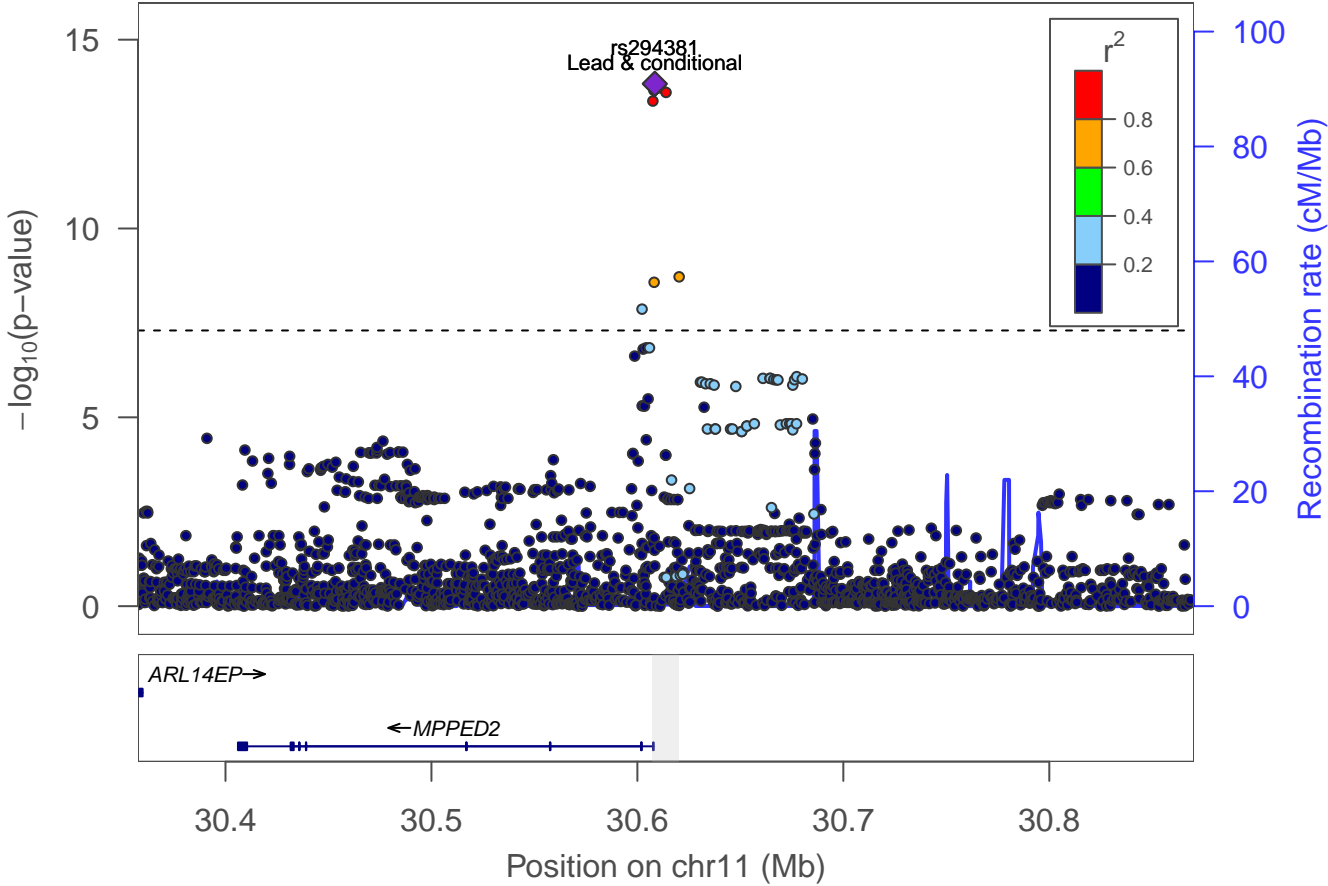
Auto. speeding propensity: locus 22 [chr 9:92.178–92.225Mb]



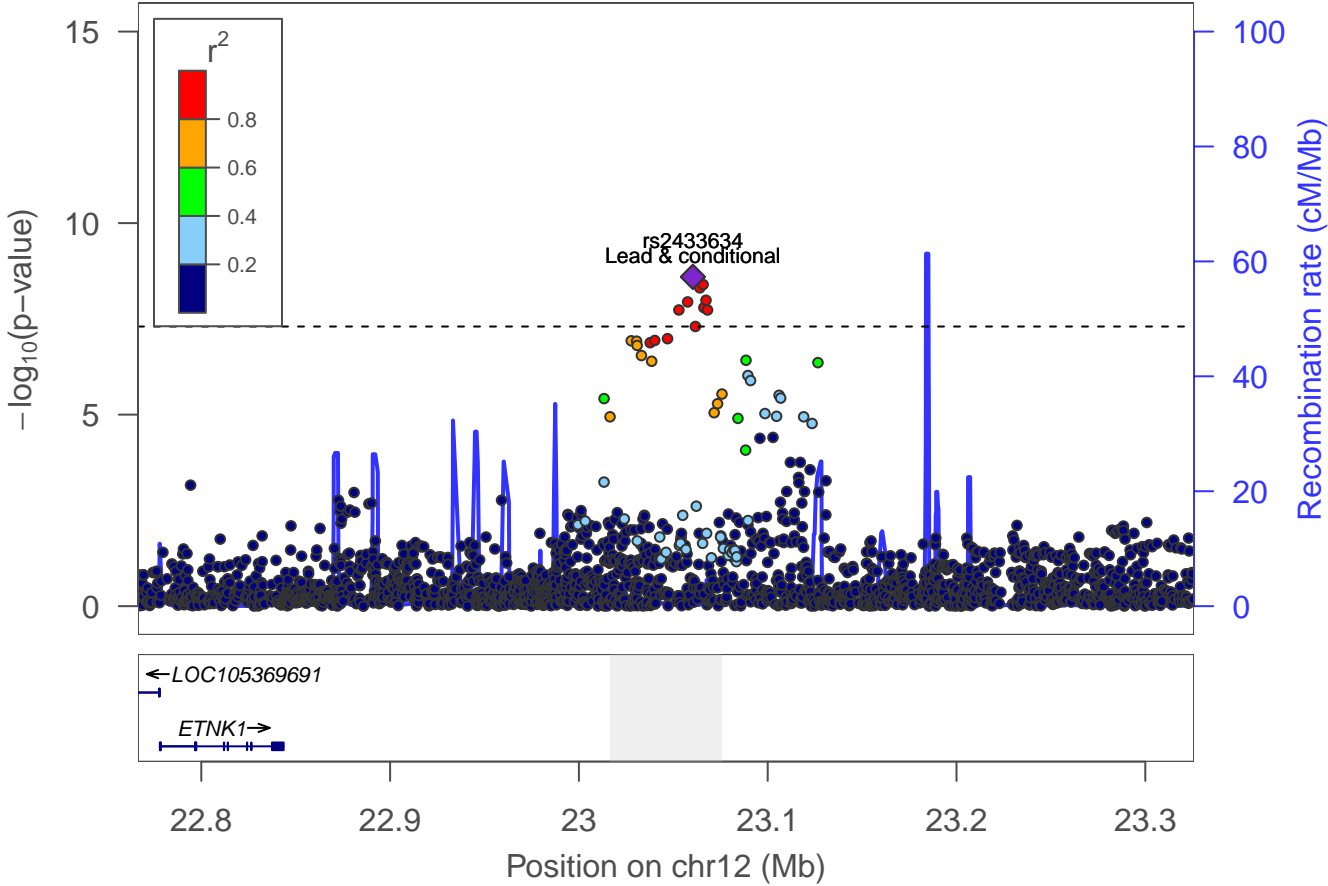
Auto. speeding propensity: locus 23 [chr 10:63.558–63.579Mb]



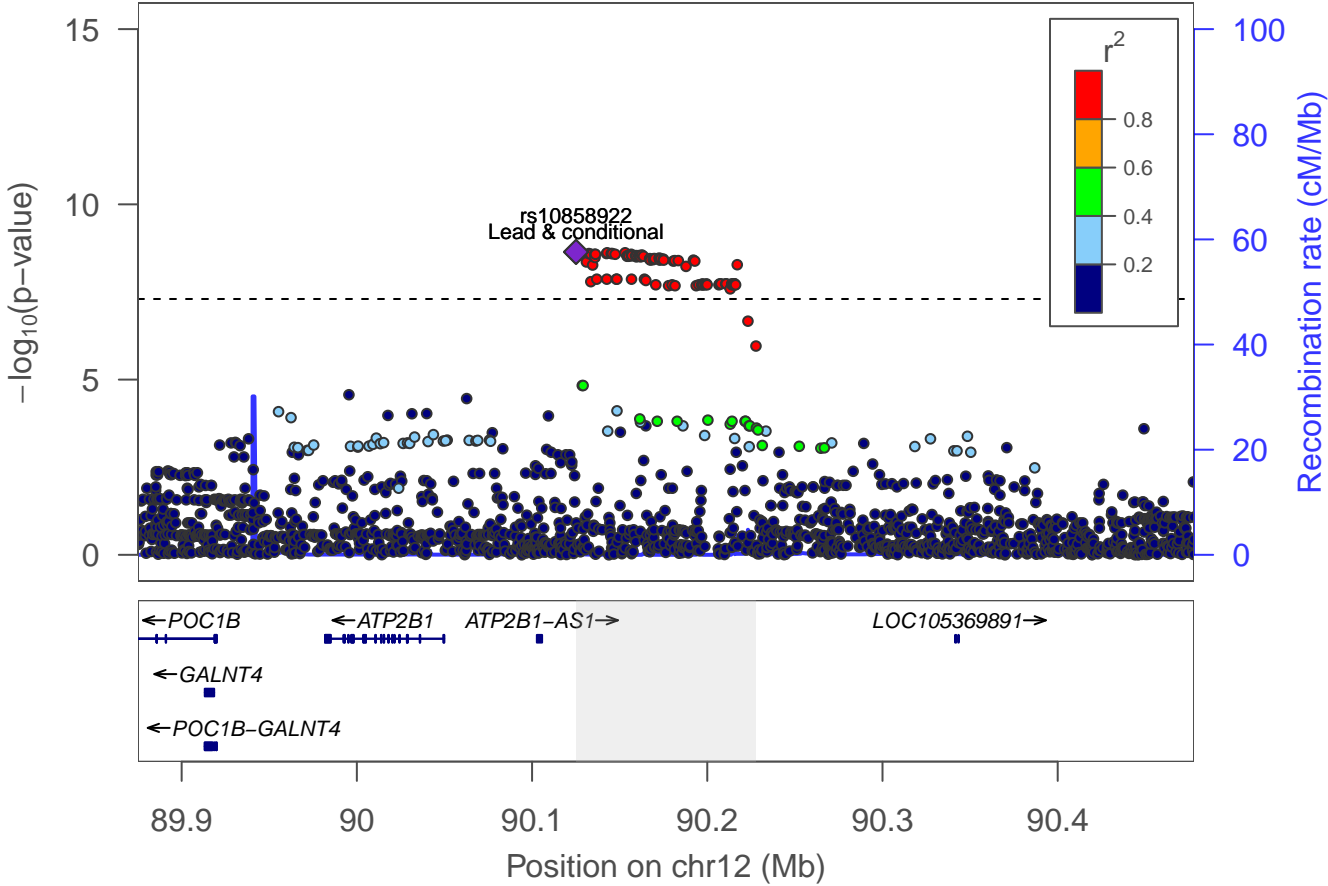
Auto. speeding propensity: locus 24 [chr 11:30.608–30.620Mb]



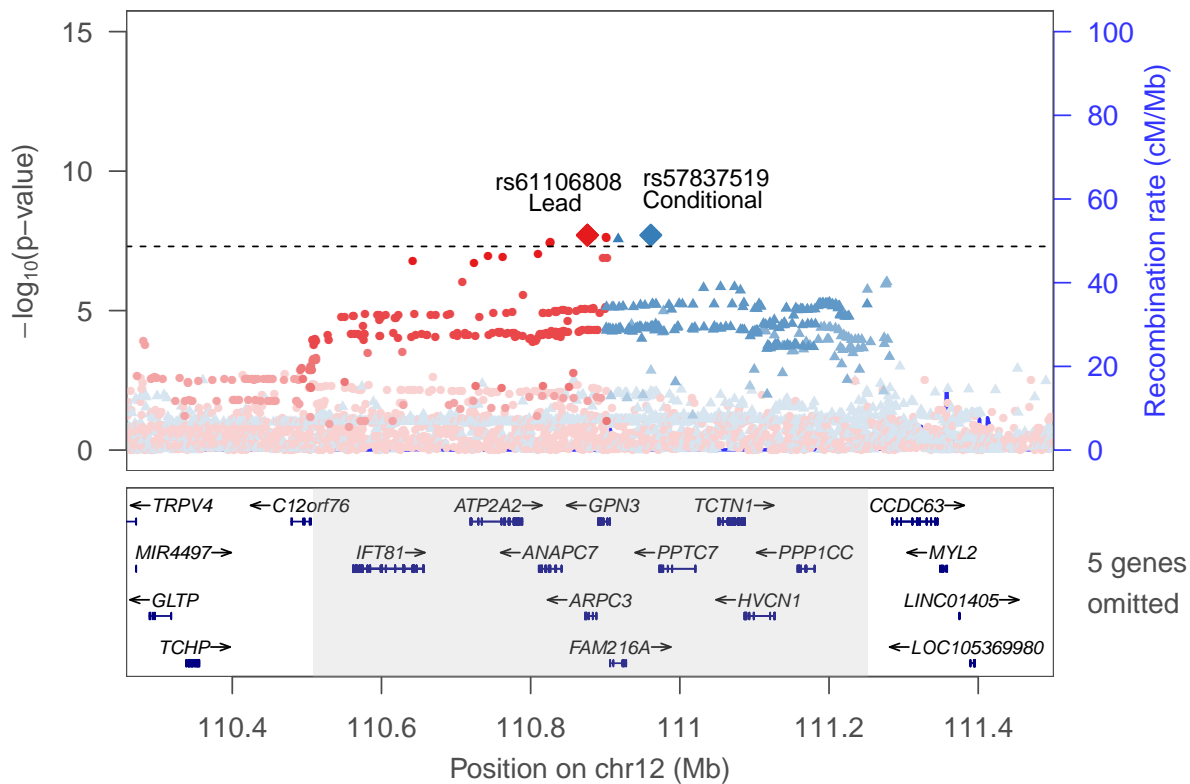
Auto. speeding propensity: locus 25 [chr 12:23.016–23.076Mb]



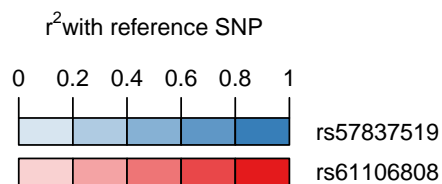
Auto. speeding propensity: locus 26 [chr 12:90.125–90.228Mb]



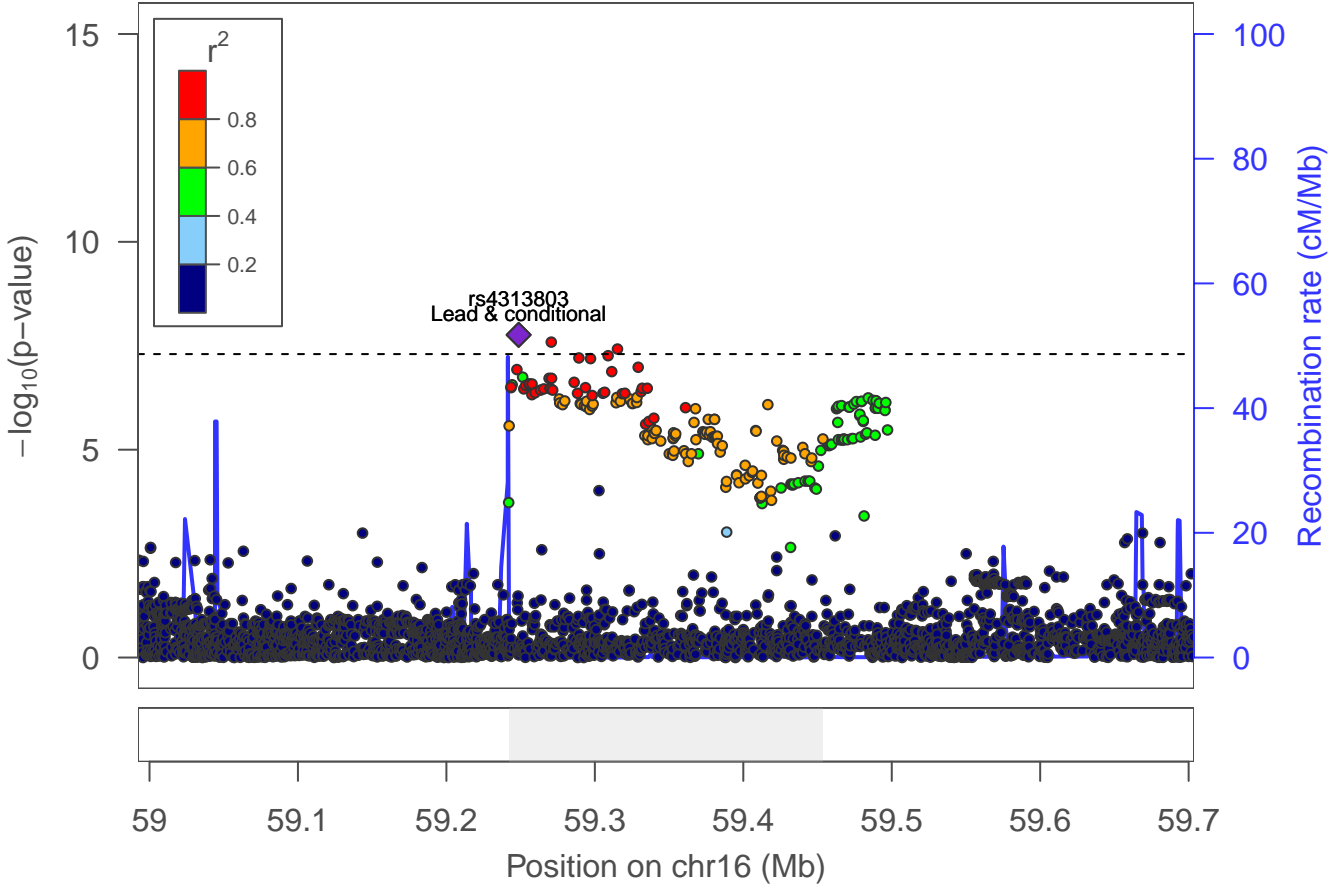
auto. speeding propensity: Locus 27 [chr 12: 110.508–111.251Mk



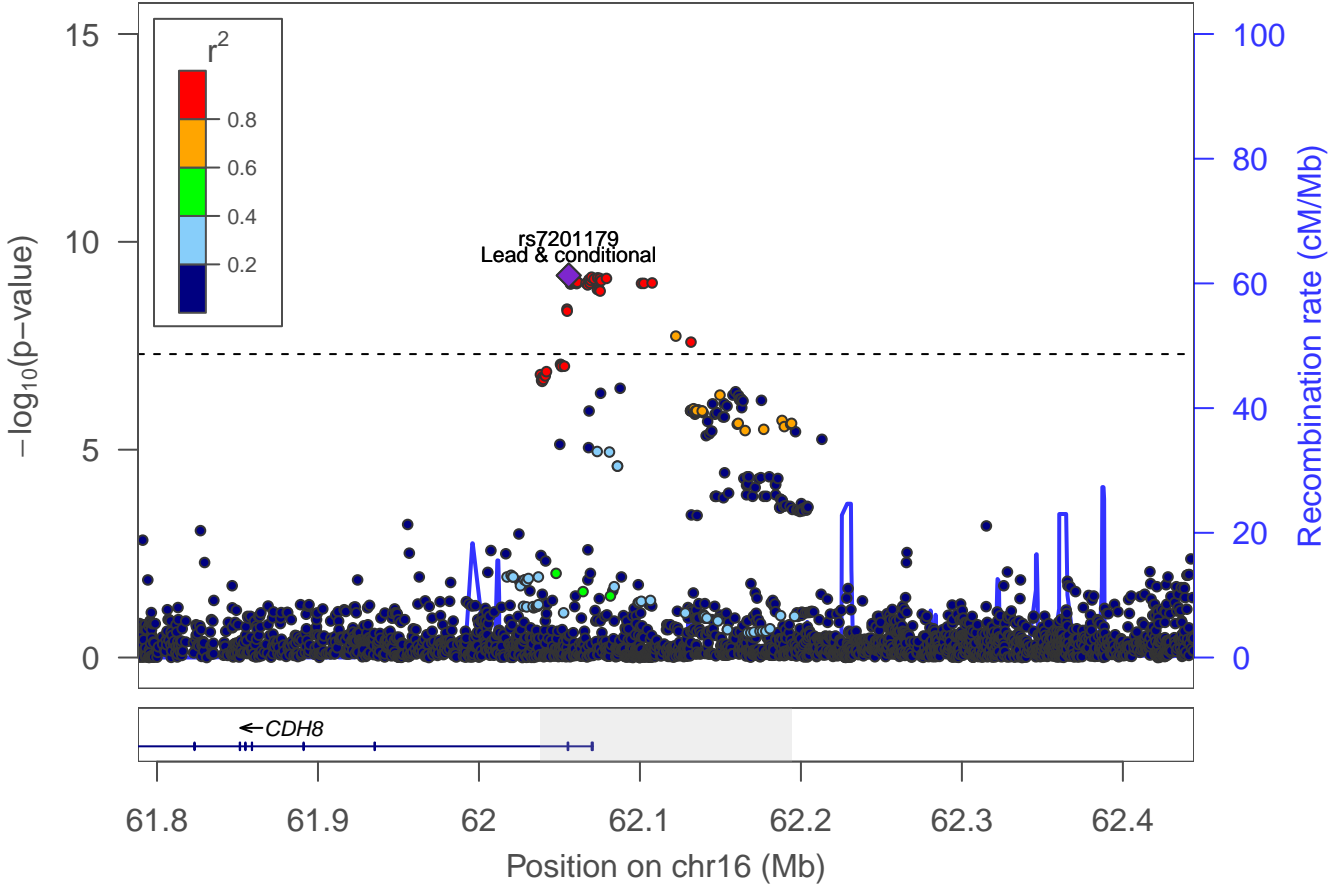
rs57837519 ▲
rs61106808 ●



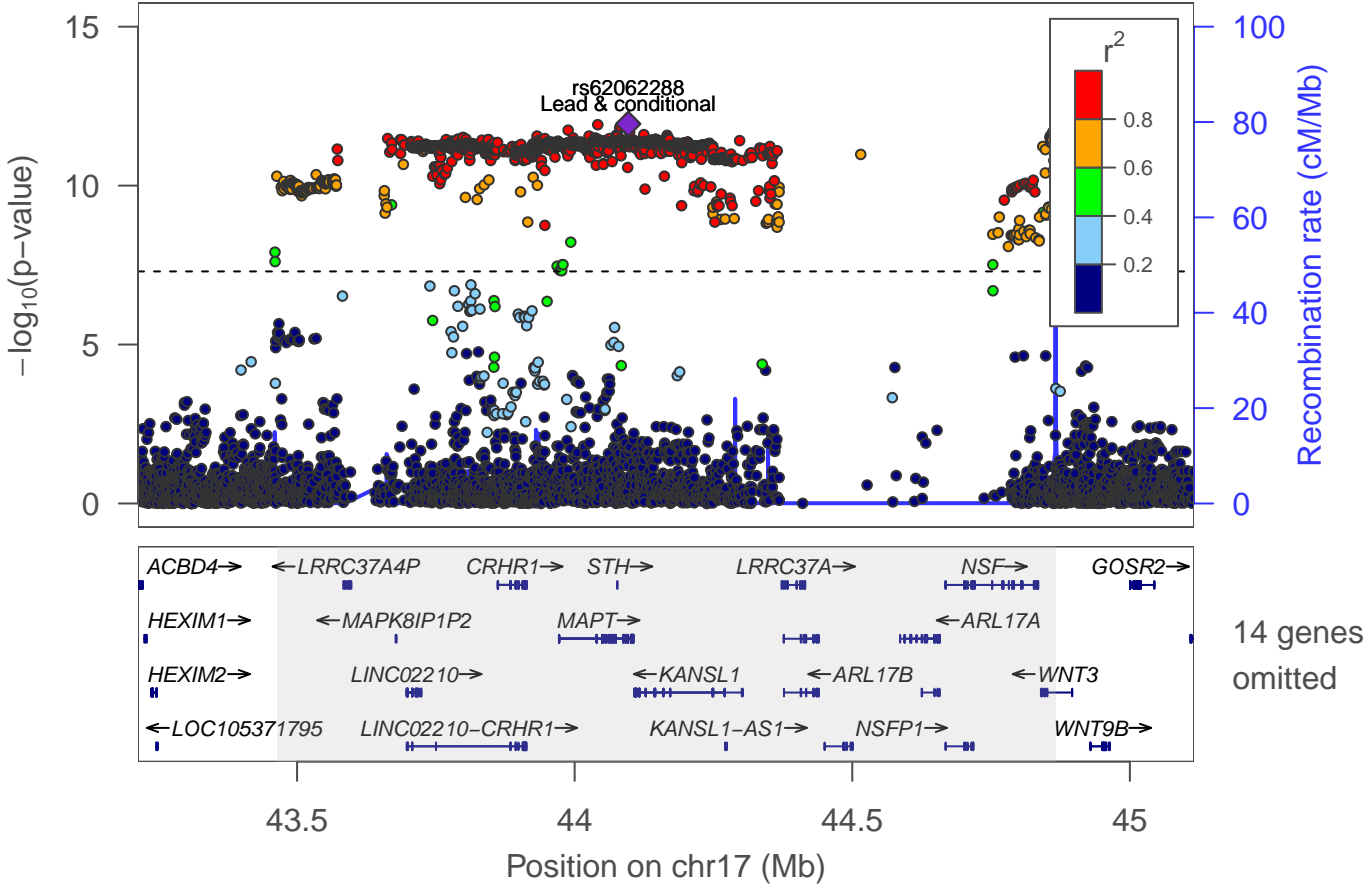
Auto. speeding propensity: locus 28 [chr 16:59.242–59.454Mb]



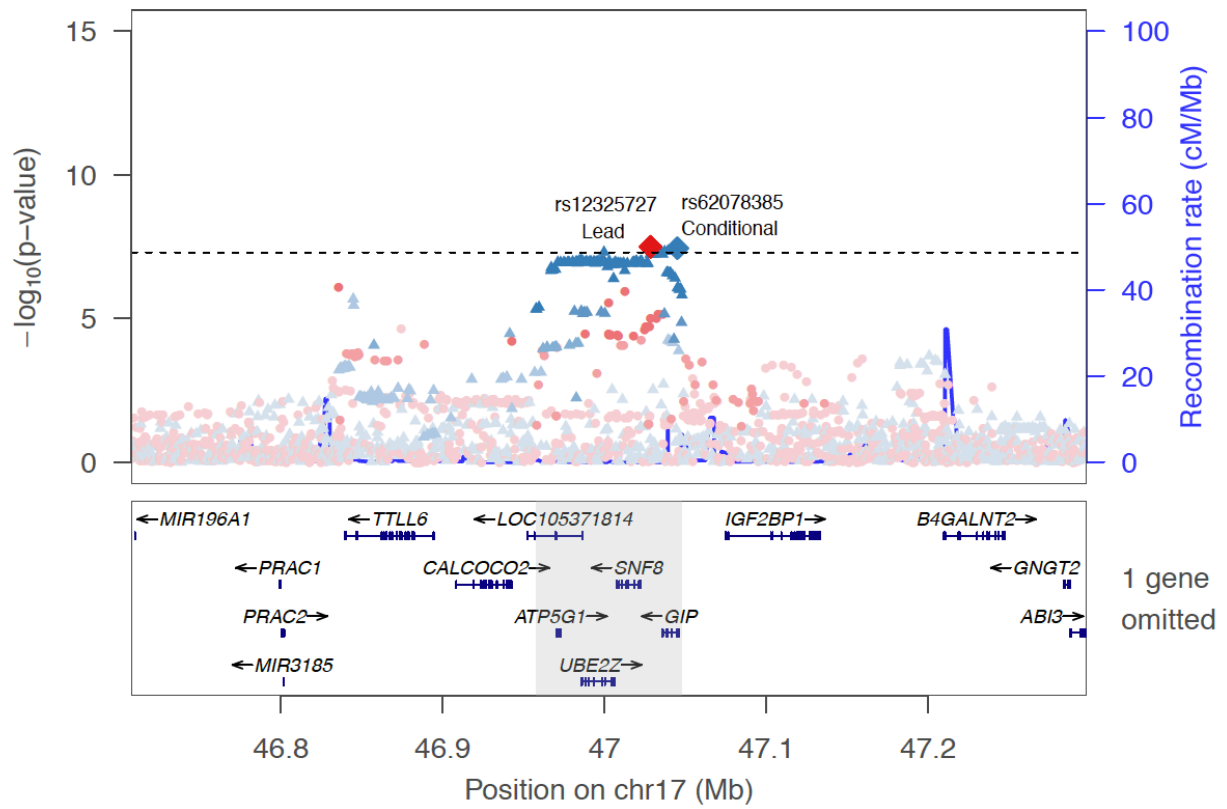
Auto. speeding propensity: locus 29 [chr 16:62.038–62.194Mb]



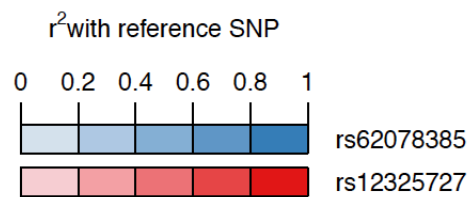
Auto. speeding propensity: locus 30 [chr 17:43.463–44.865Mb]



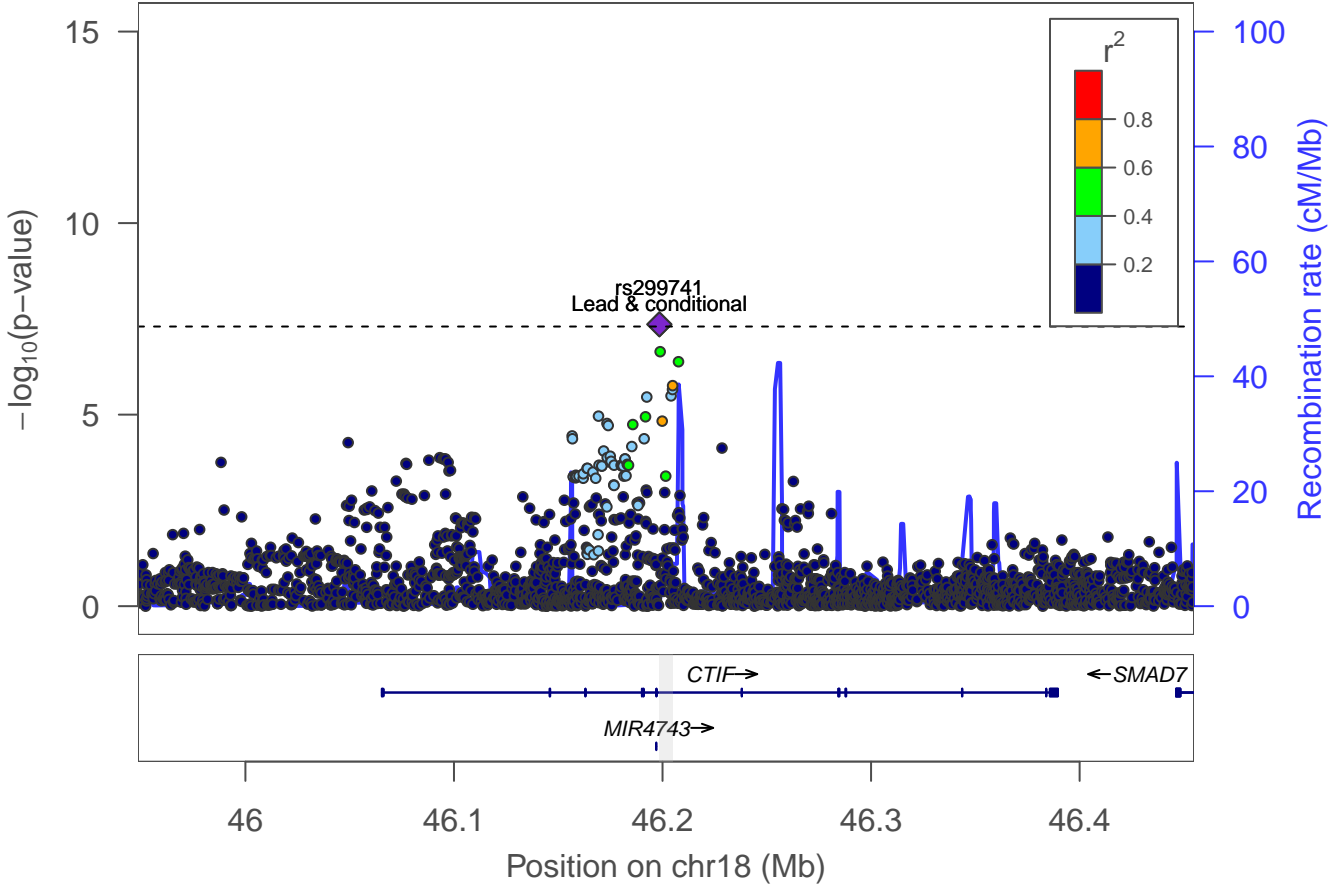
Auto. speeding propensity: Locus 31 [chr 17: 46.958–47.048Mb]



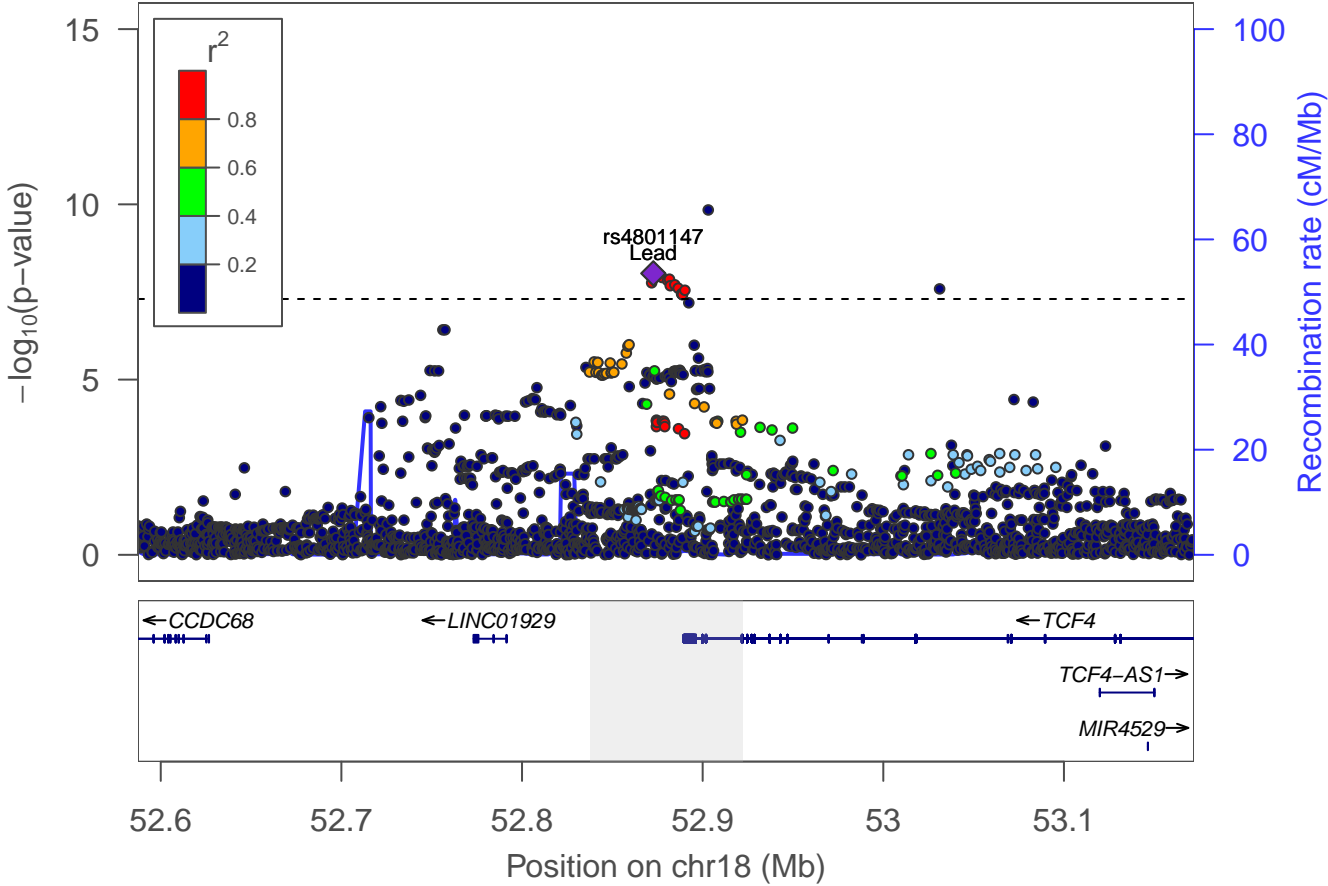
rs62078385 ▲
 rs12325727 ●



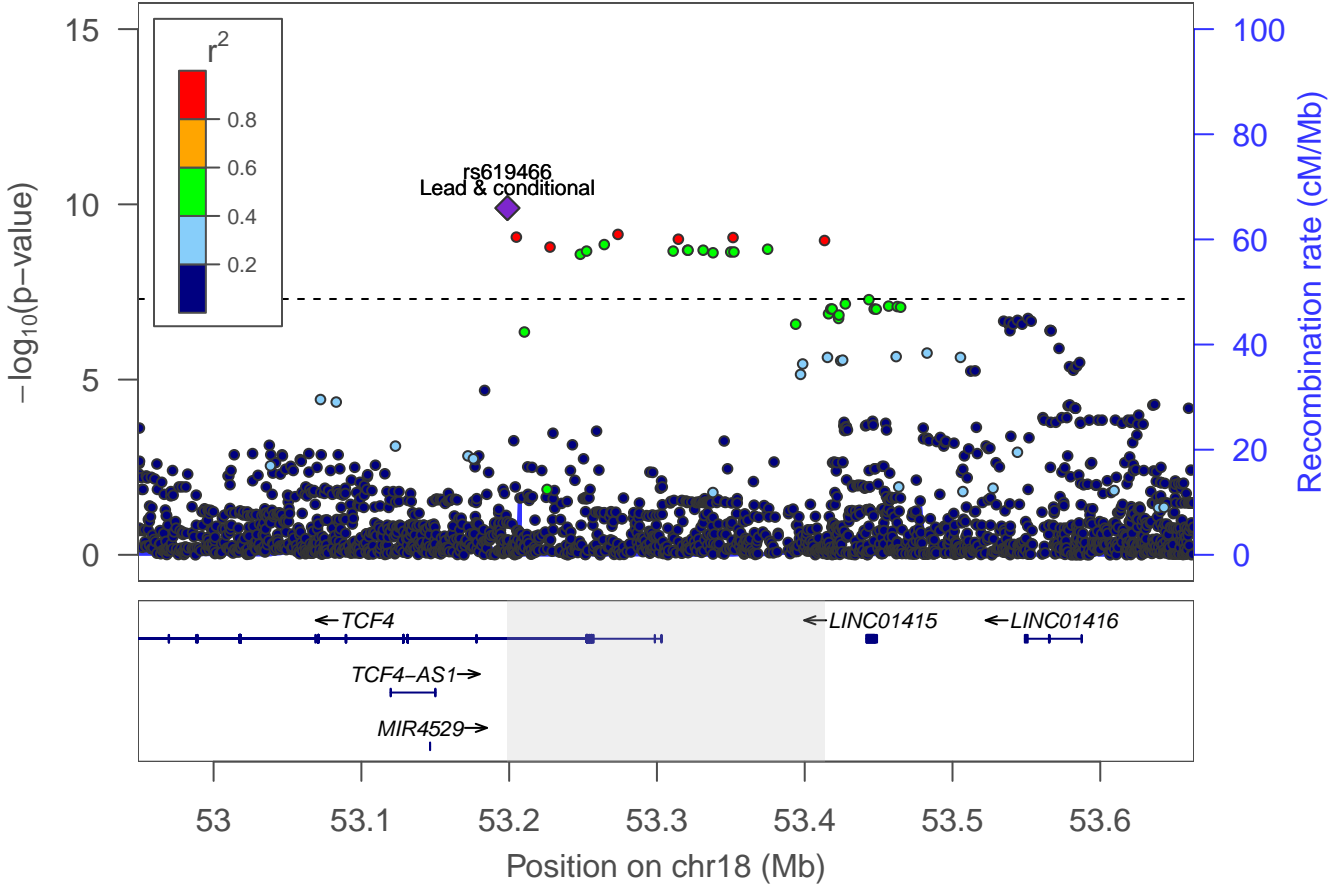
Auto. speeding propensity: locus 32 [chr 18:46.198–46.205Mb]



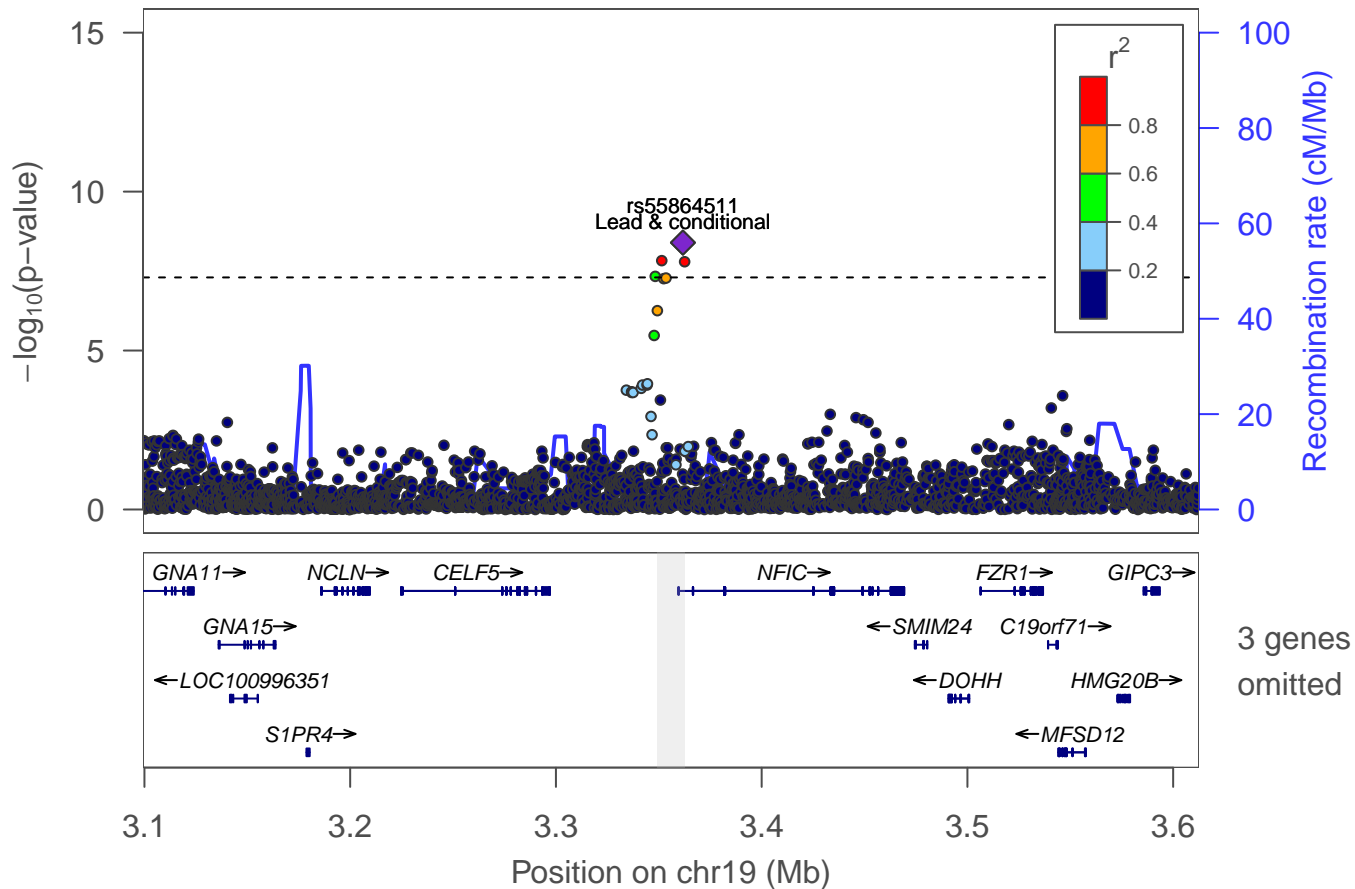
Auto. speeding propensity: locus 33 [chr 18:52.837–52.922Mb]



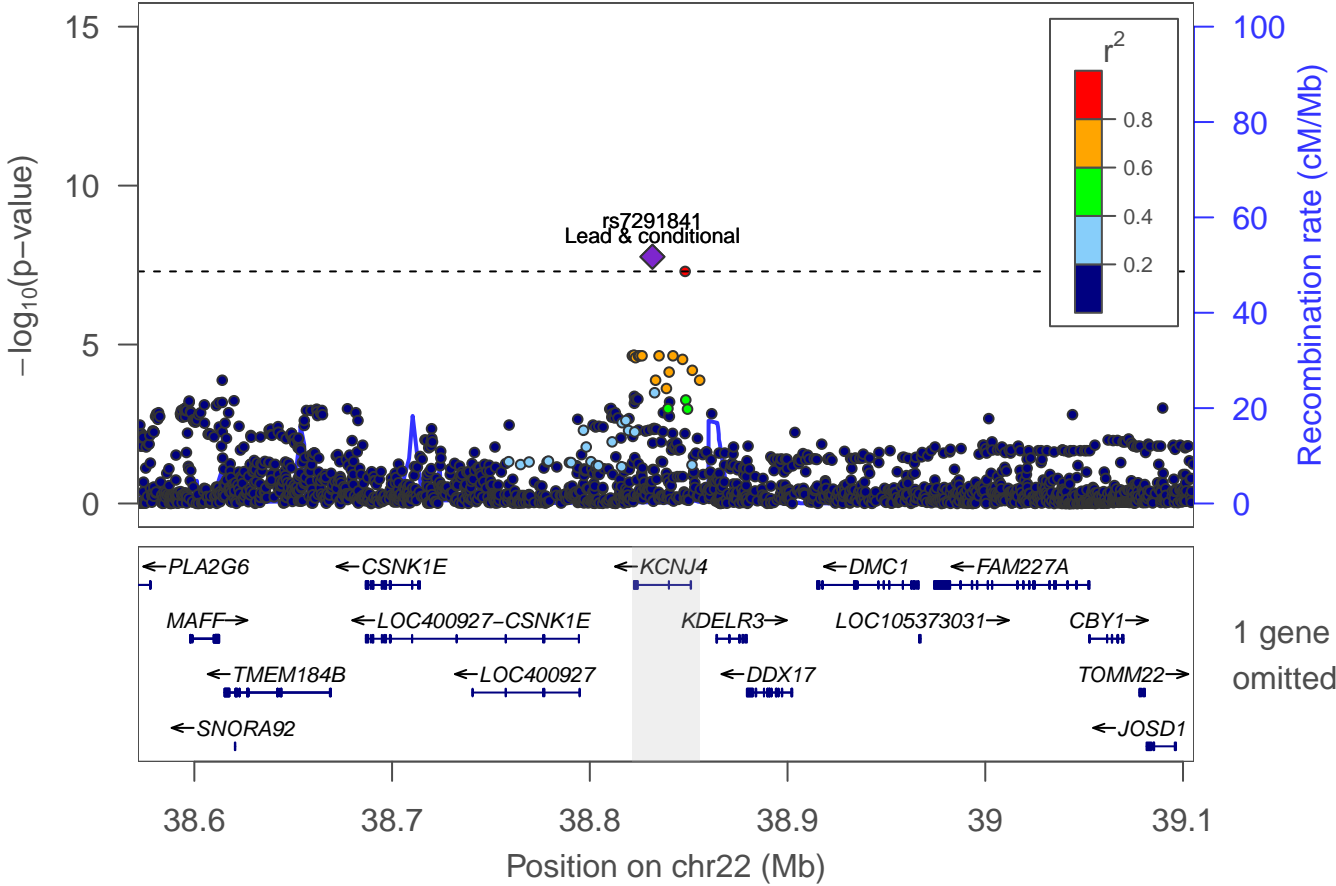
Auto. speeding propensity: locus 34 [chr 18:53.199–53.413Mb]



Auto. speeding propensity: locus 35 [chr 19:3.349–3.363Mb]

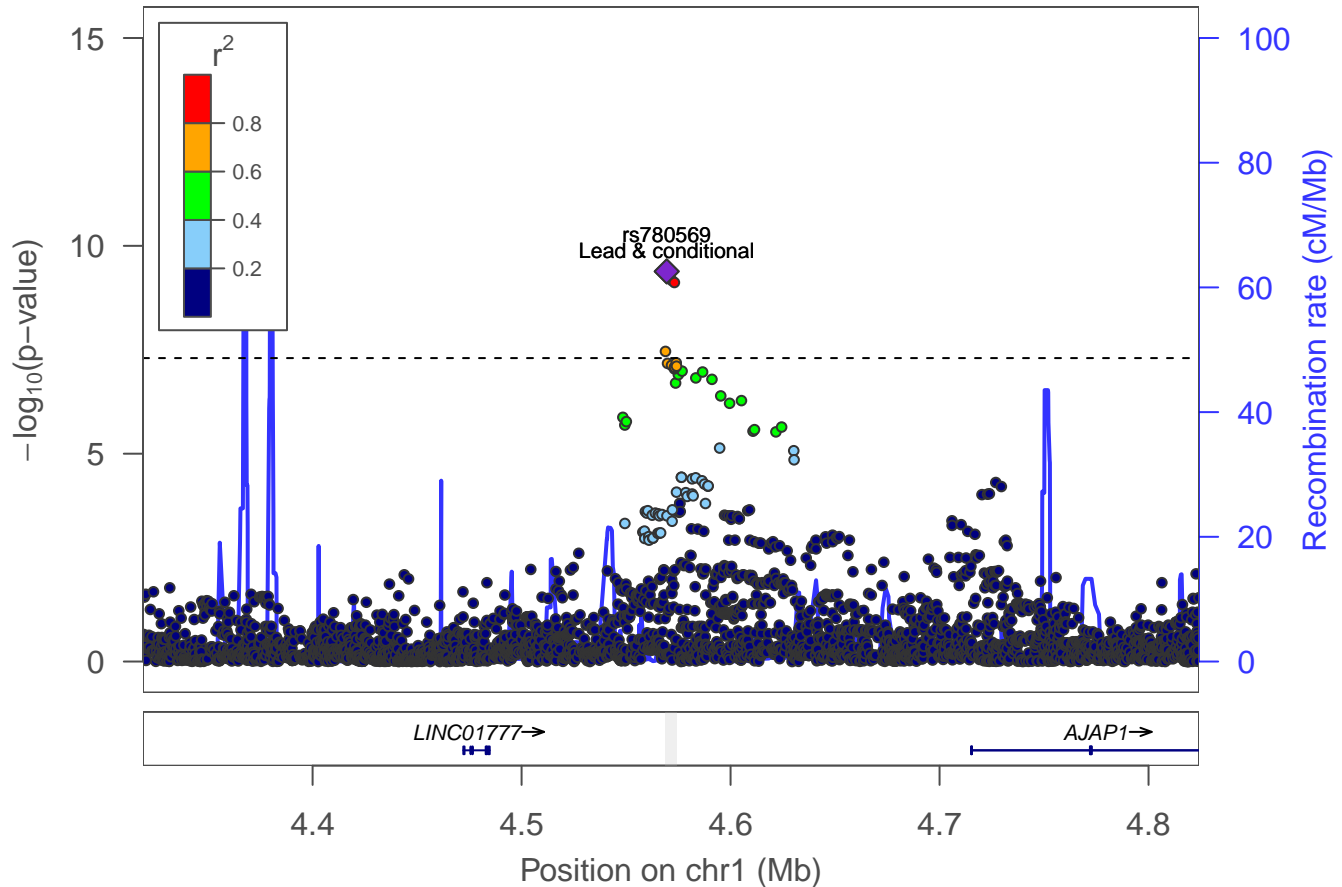


Auto. speeding propensity: locus 36 [chr 22:38.822–38.856Mb]

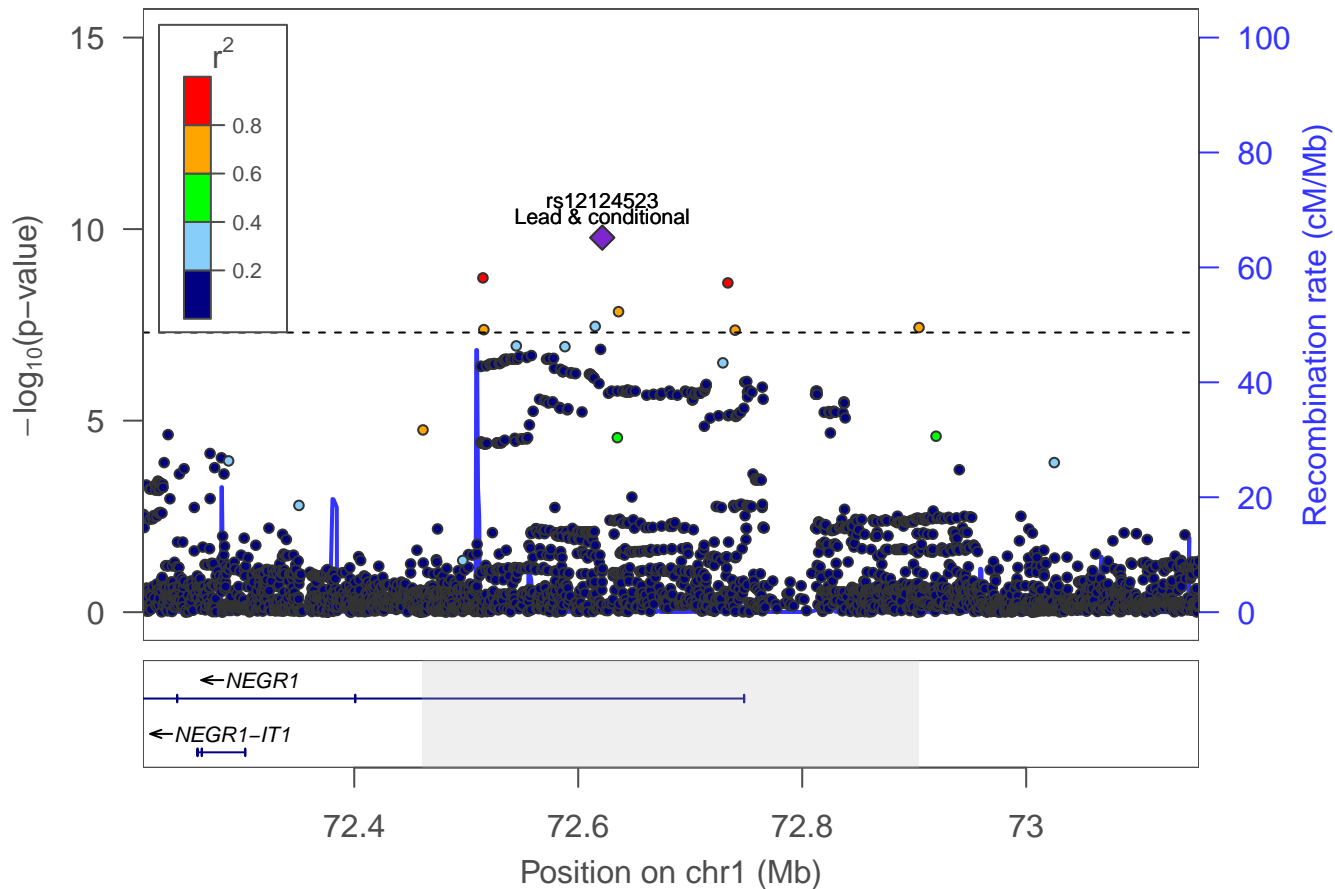


LocusZoom plots for the 62 loci identified
in the GWAS of drinks per week

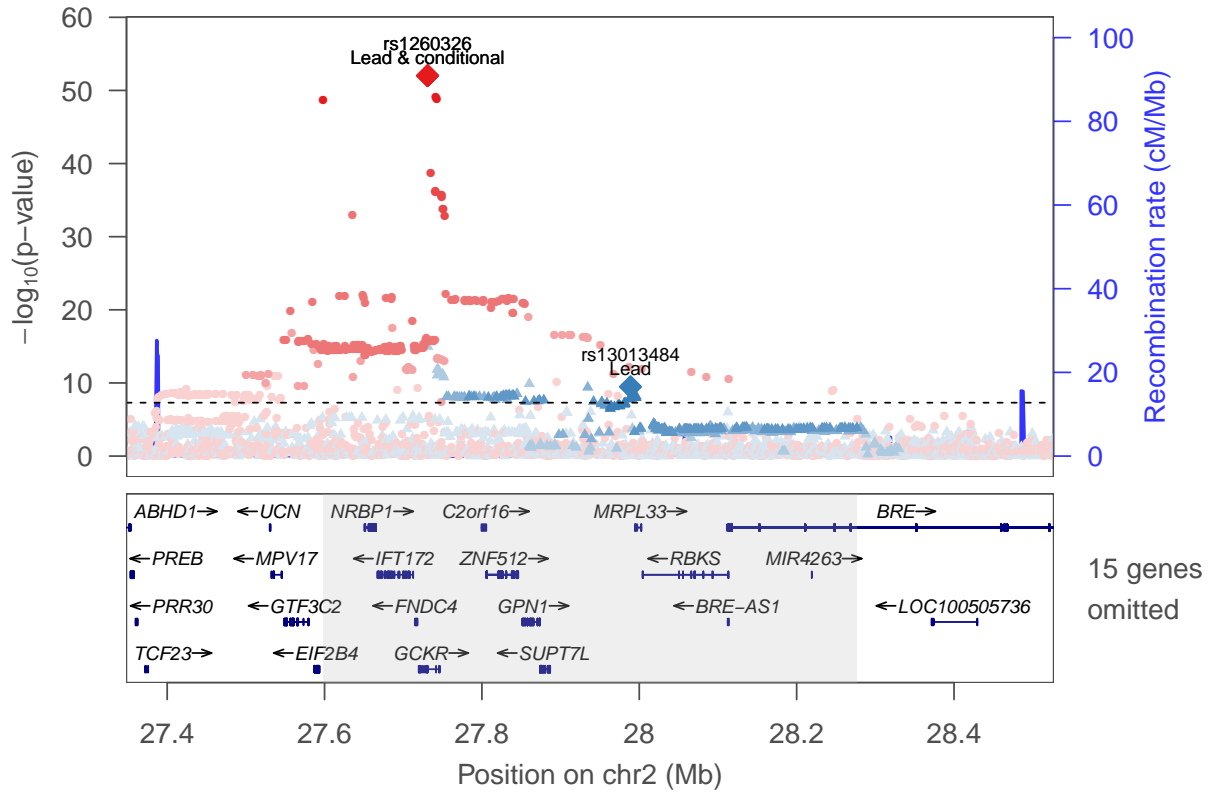
Drinks per week: locus 1 [chr 1:4.569–4.574Mb]



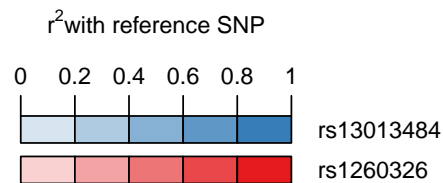
Drinks per week: locus 2 [chr 1:72.461–72.904Mb]



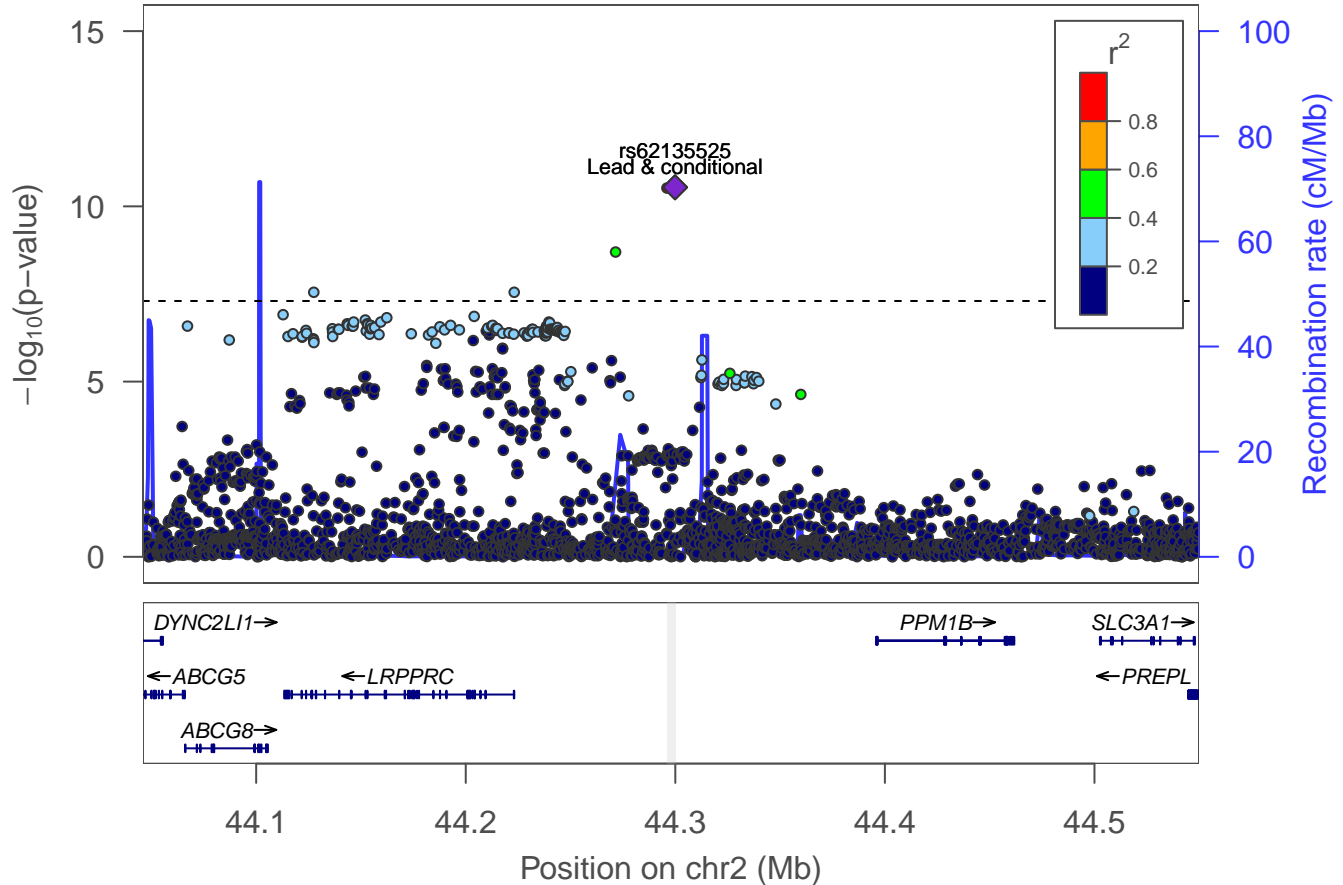
Drinks per week: Locus 3 [chr 2: 27.598–28.277Mb]



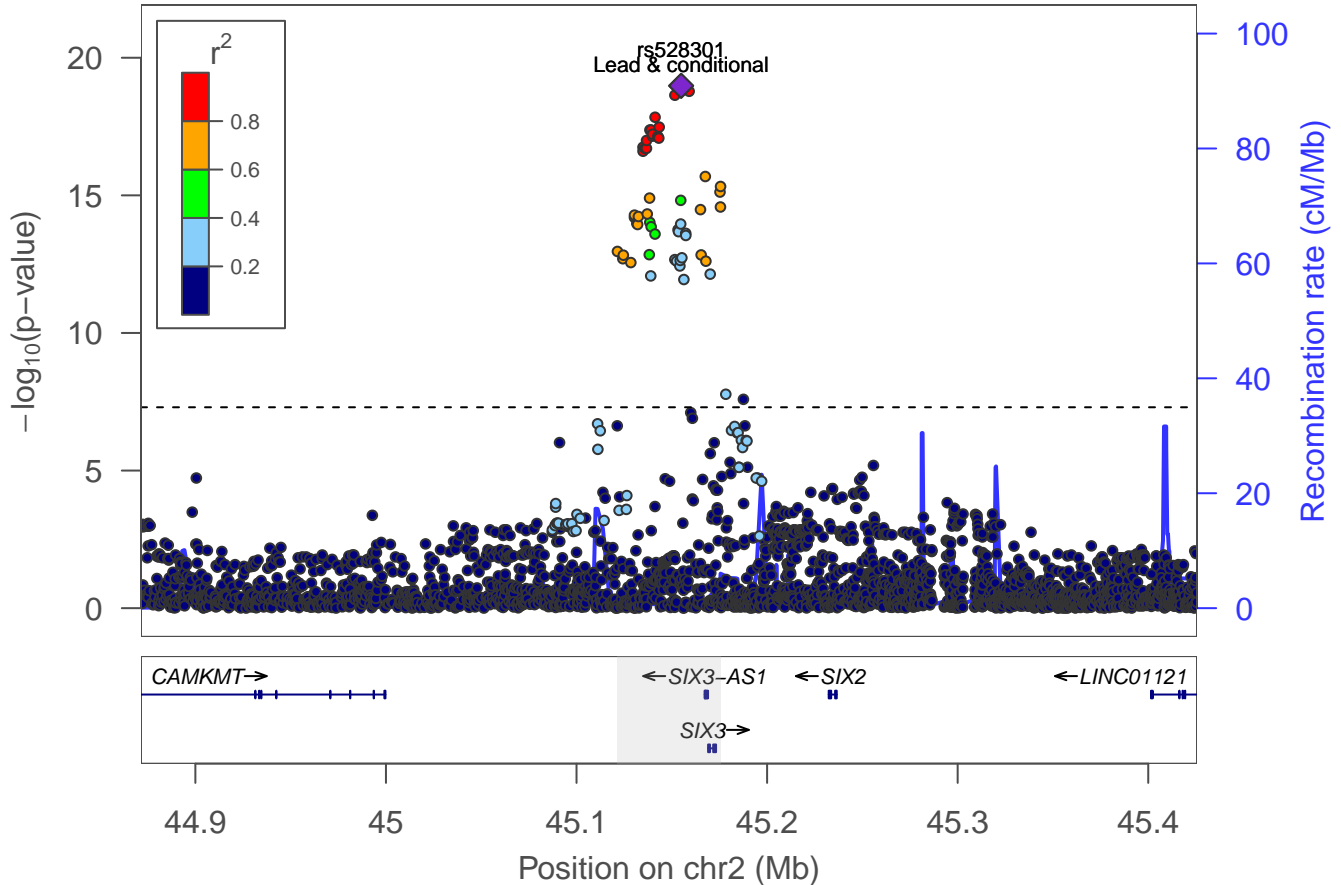
rs13013484 ▲
rs1260326 ●



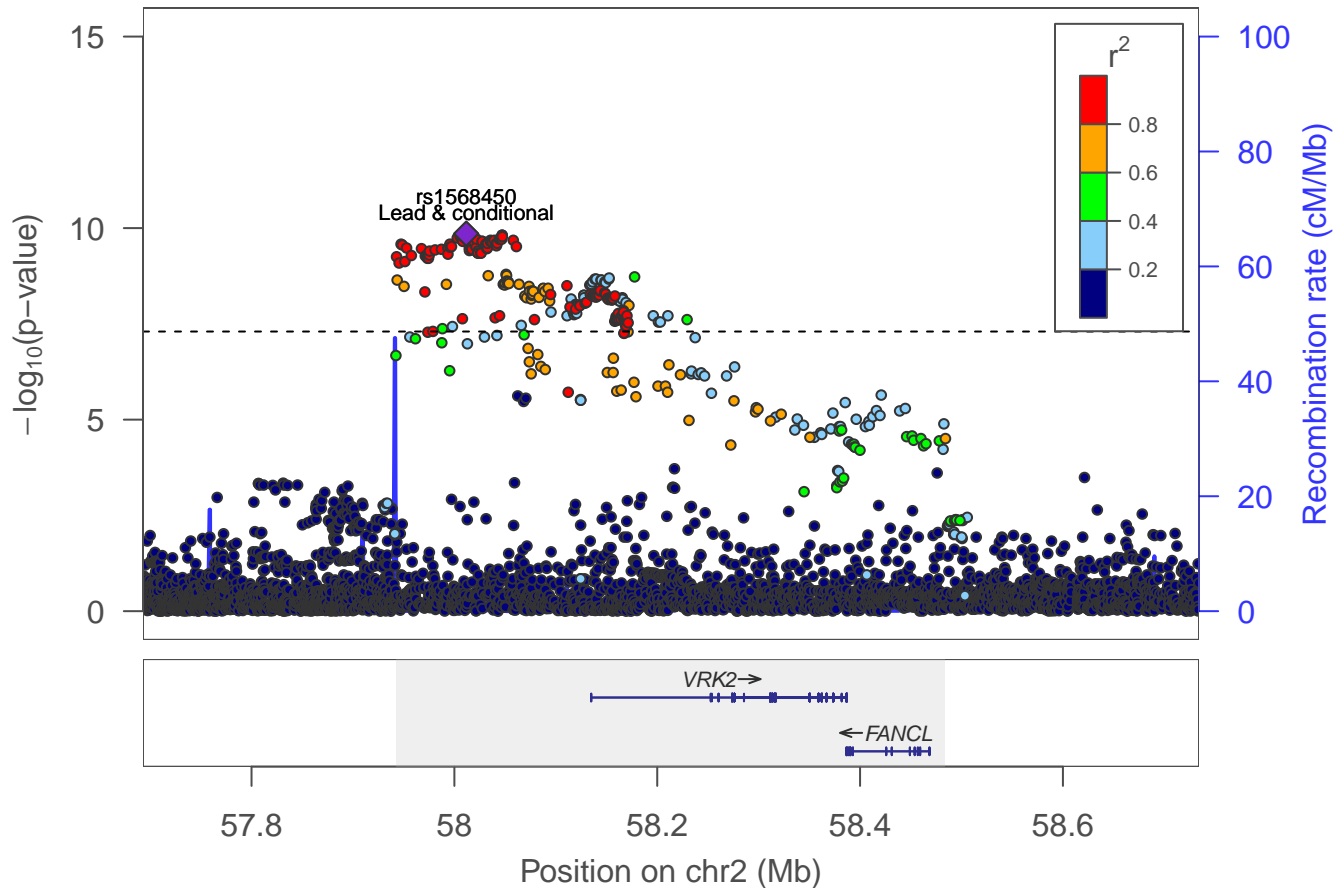
Drinks per week: locus 4 [chr 2:44.296–44.300Mb]



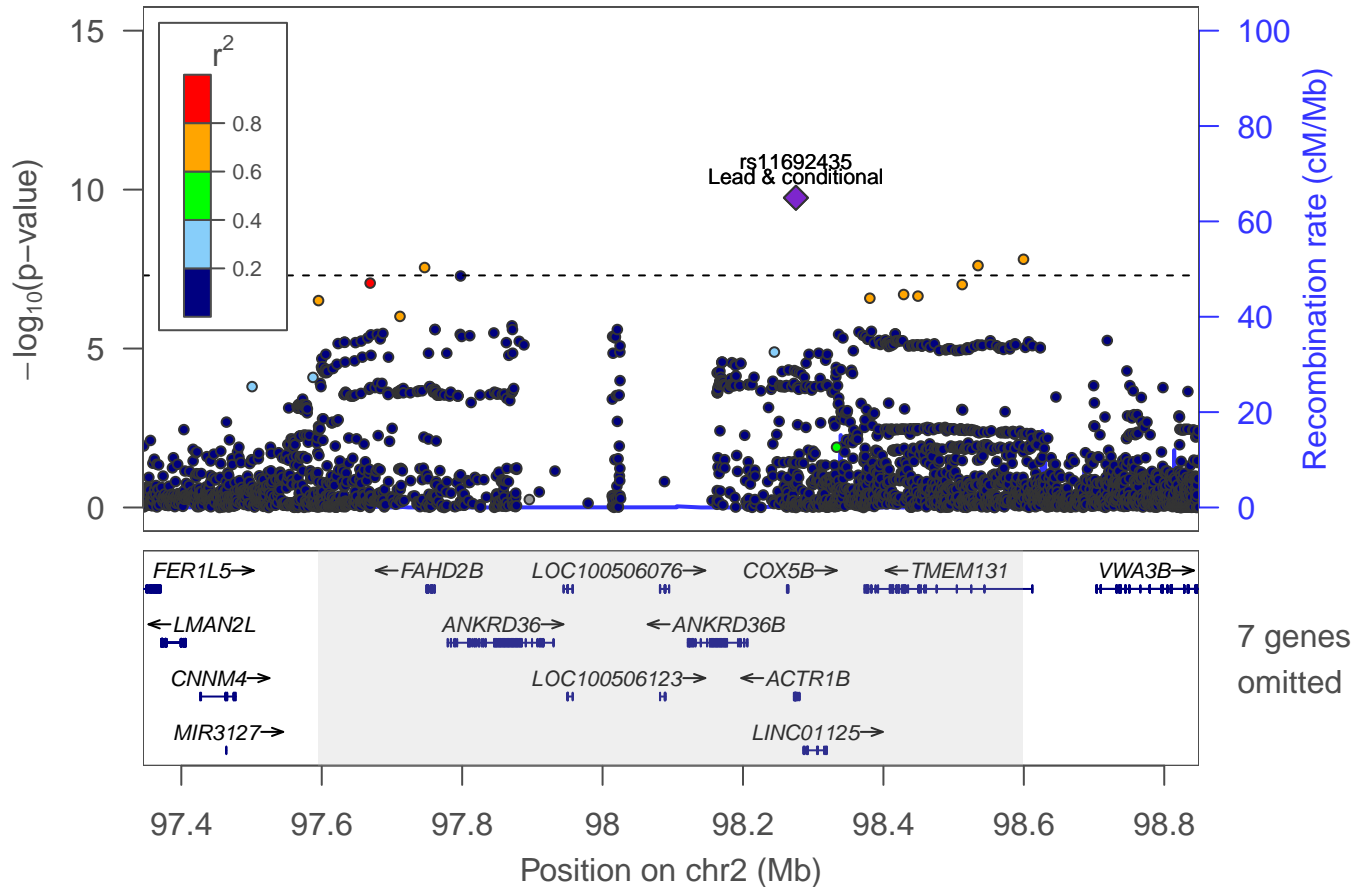
Drinks per week: locus 5 [chr 2:45.121–45.176Mb]



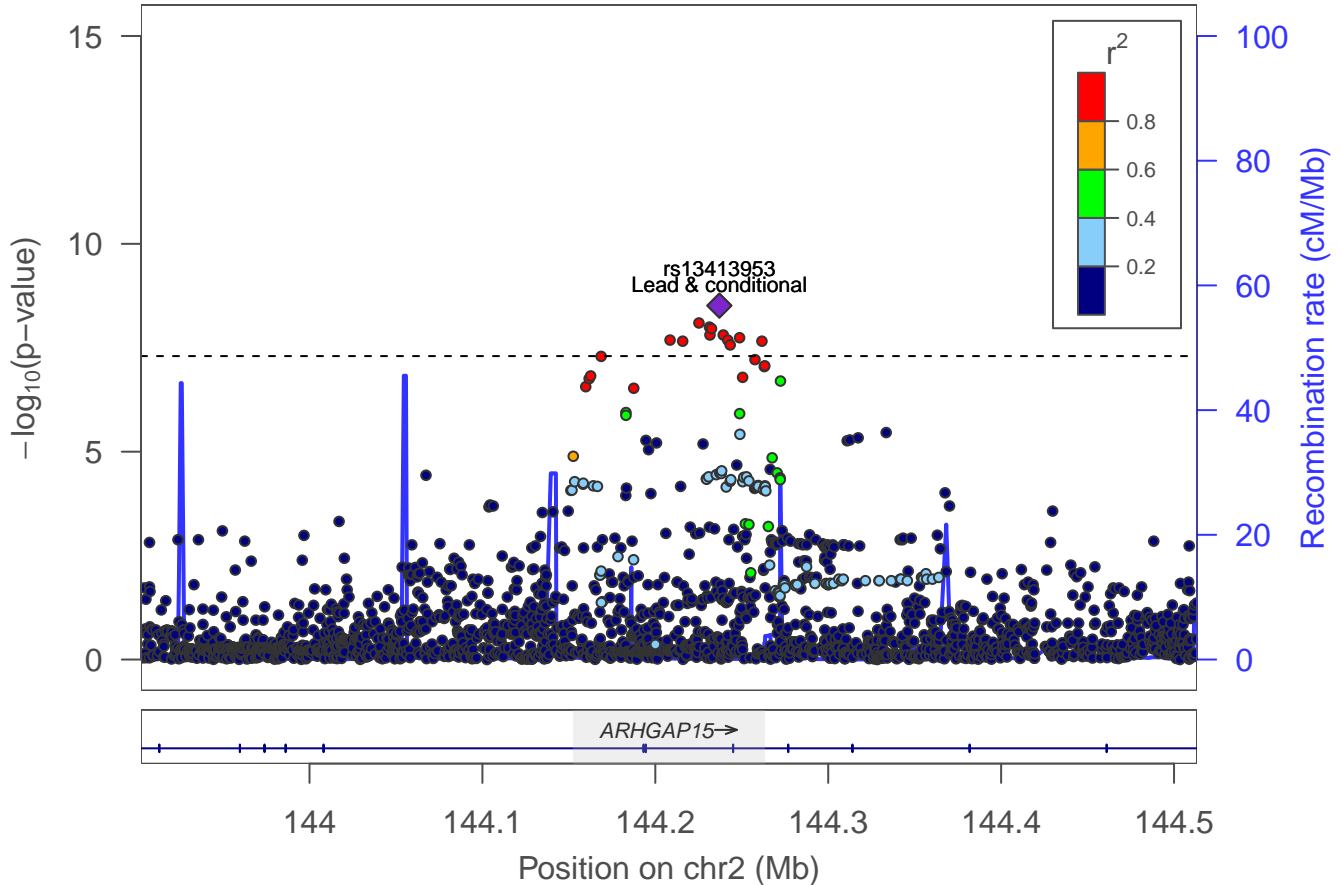
Drinks per week: locus 6 [chr 2:57.943–58.484Mb]



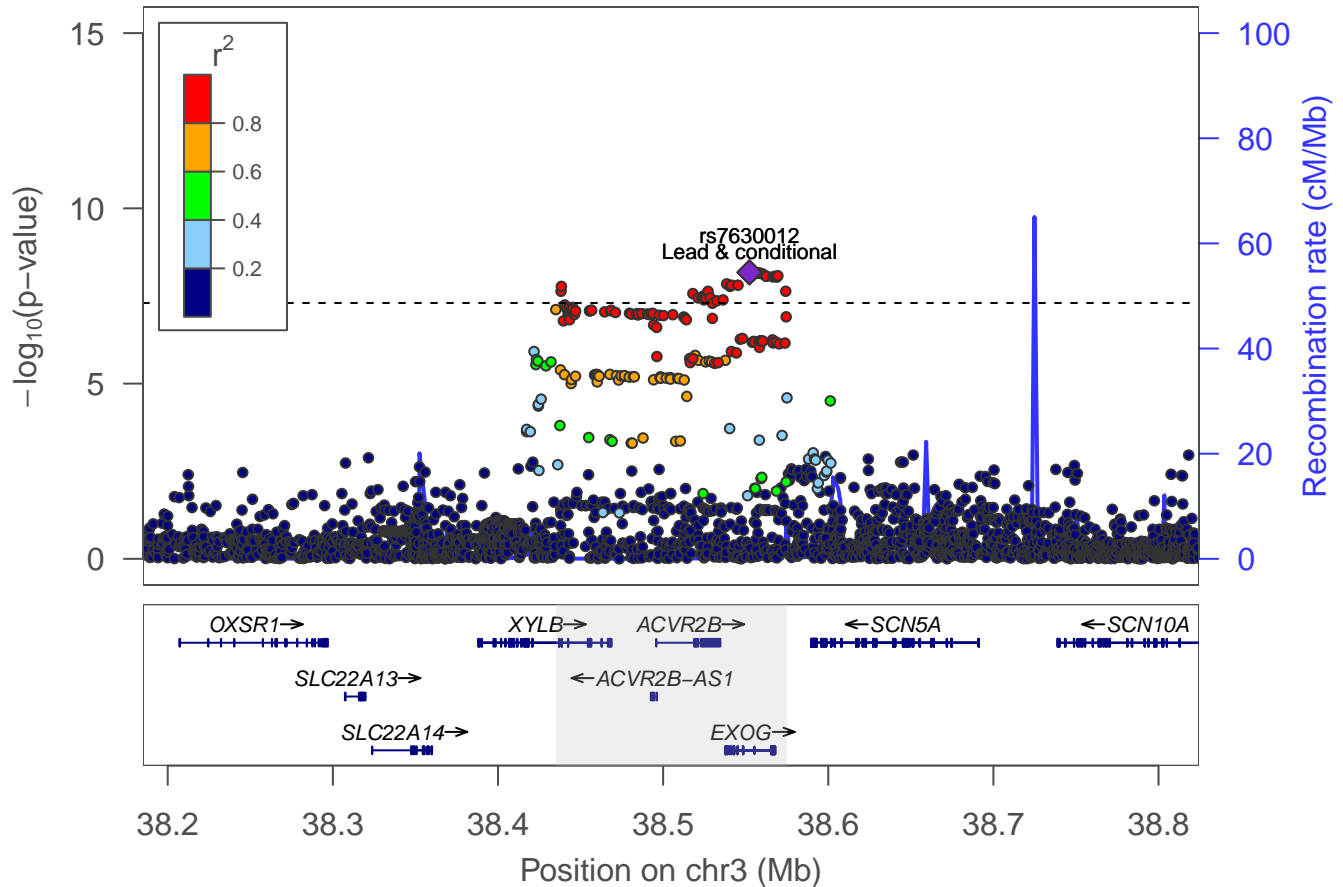
Drinks per week: locus 7 [chr 2:97.595–98.599Mb]



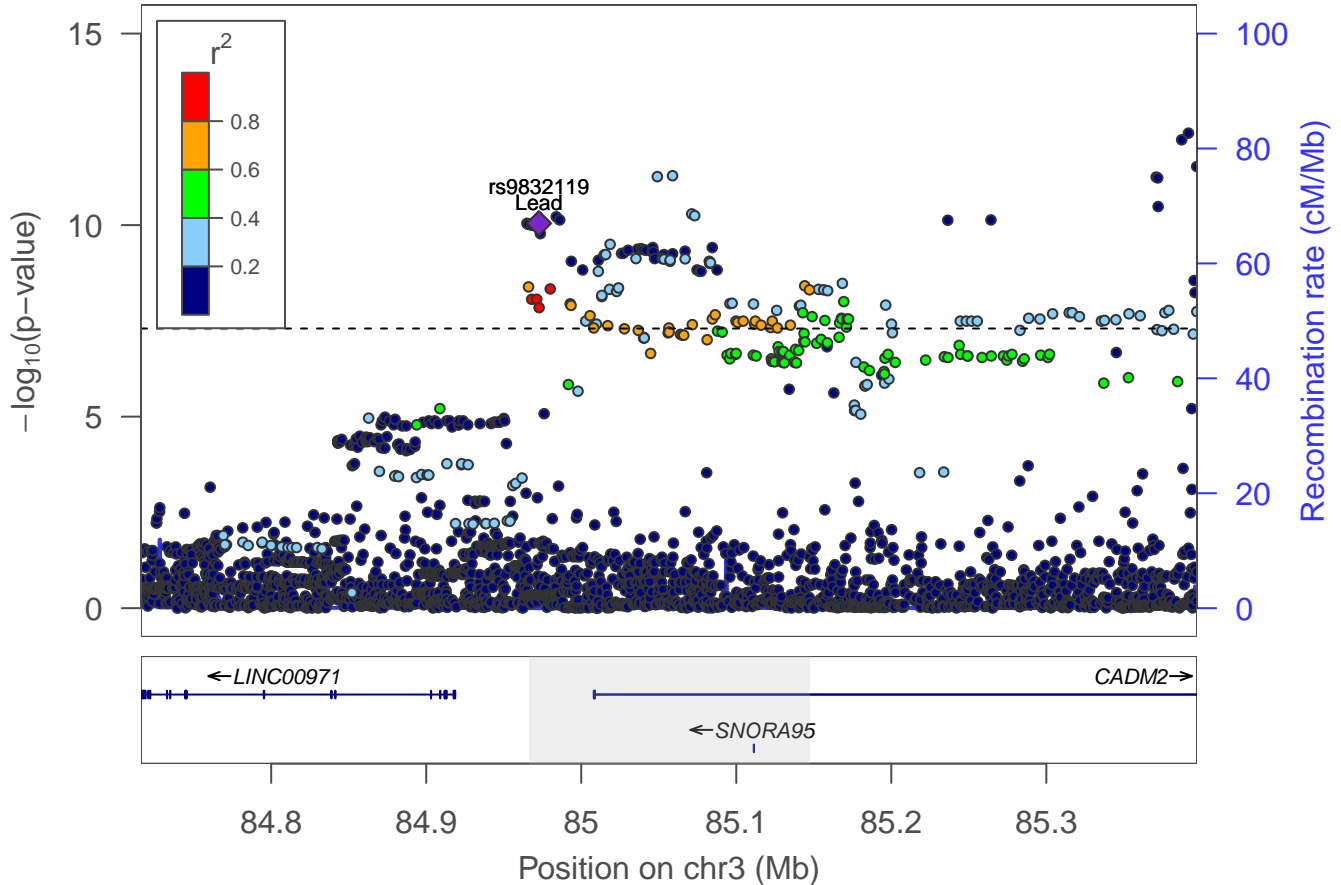
Drinks per week: locus 8 [chr 2:144.153–144.263Mb]



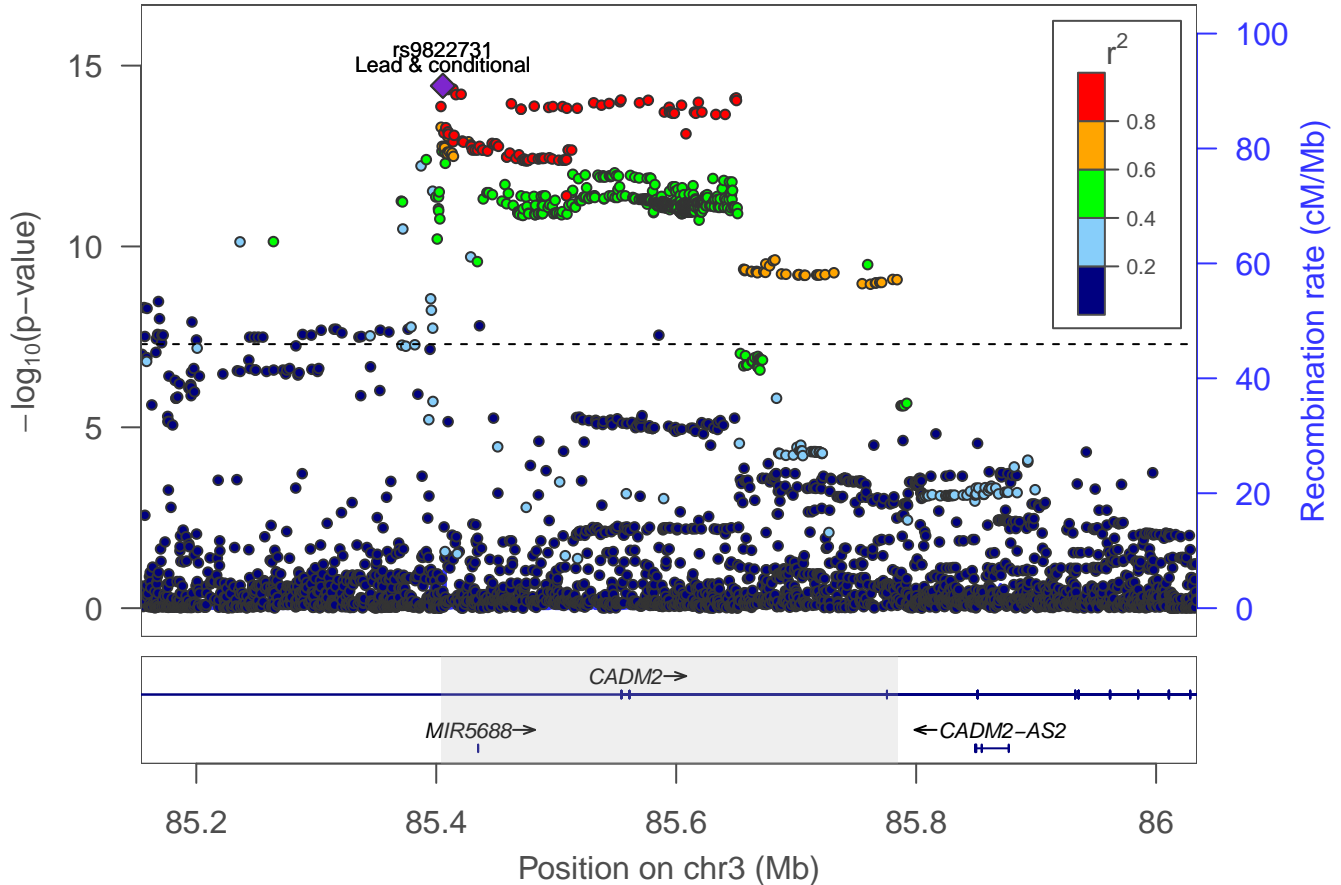
Drinks per week: locus 9 [chr 3:38.435–38.574Mb]



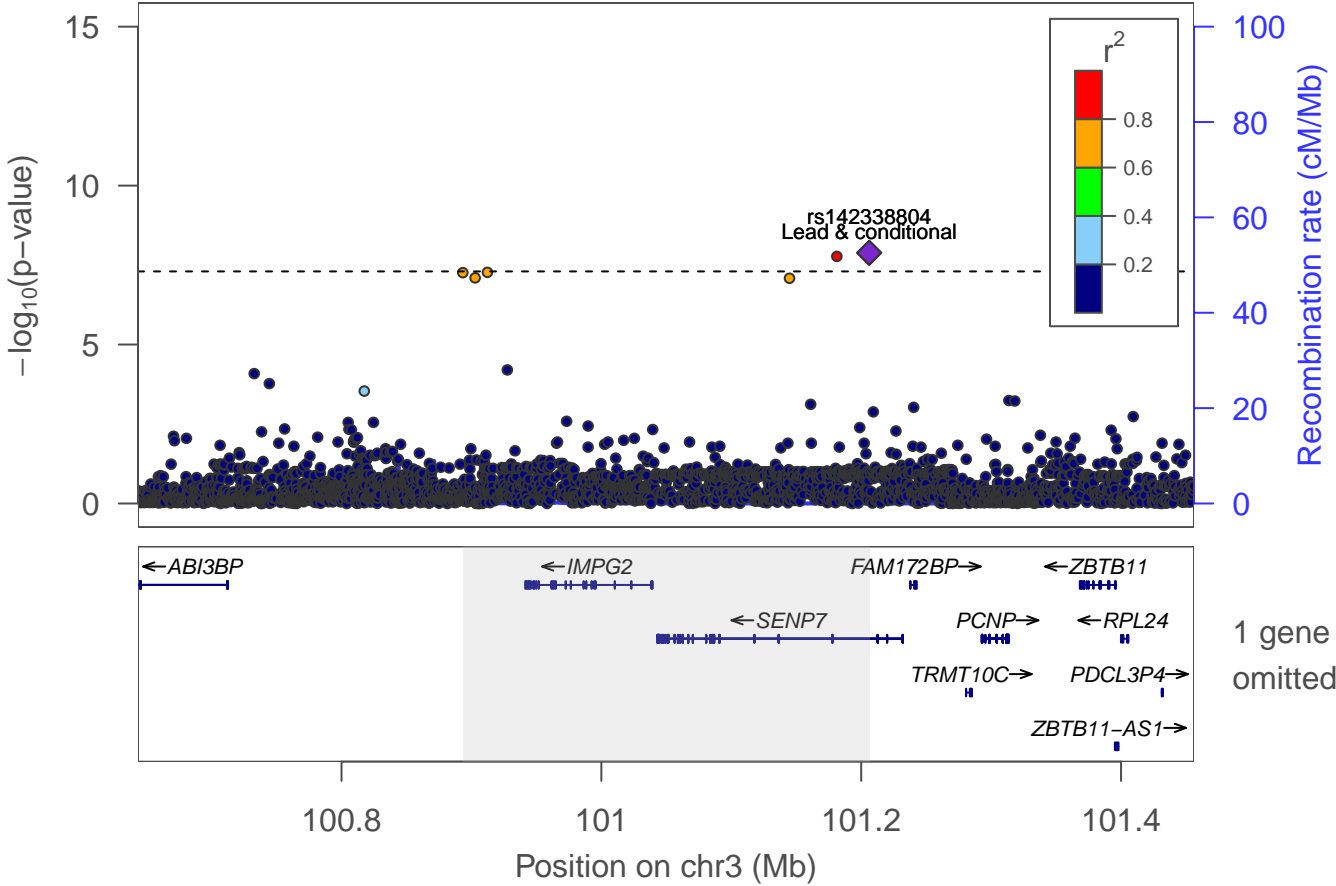
Drinks per week: locus 10 [chr 3:84.966–85.147Mb]



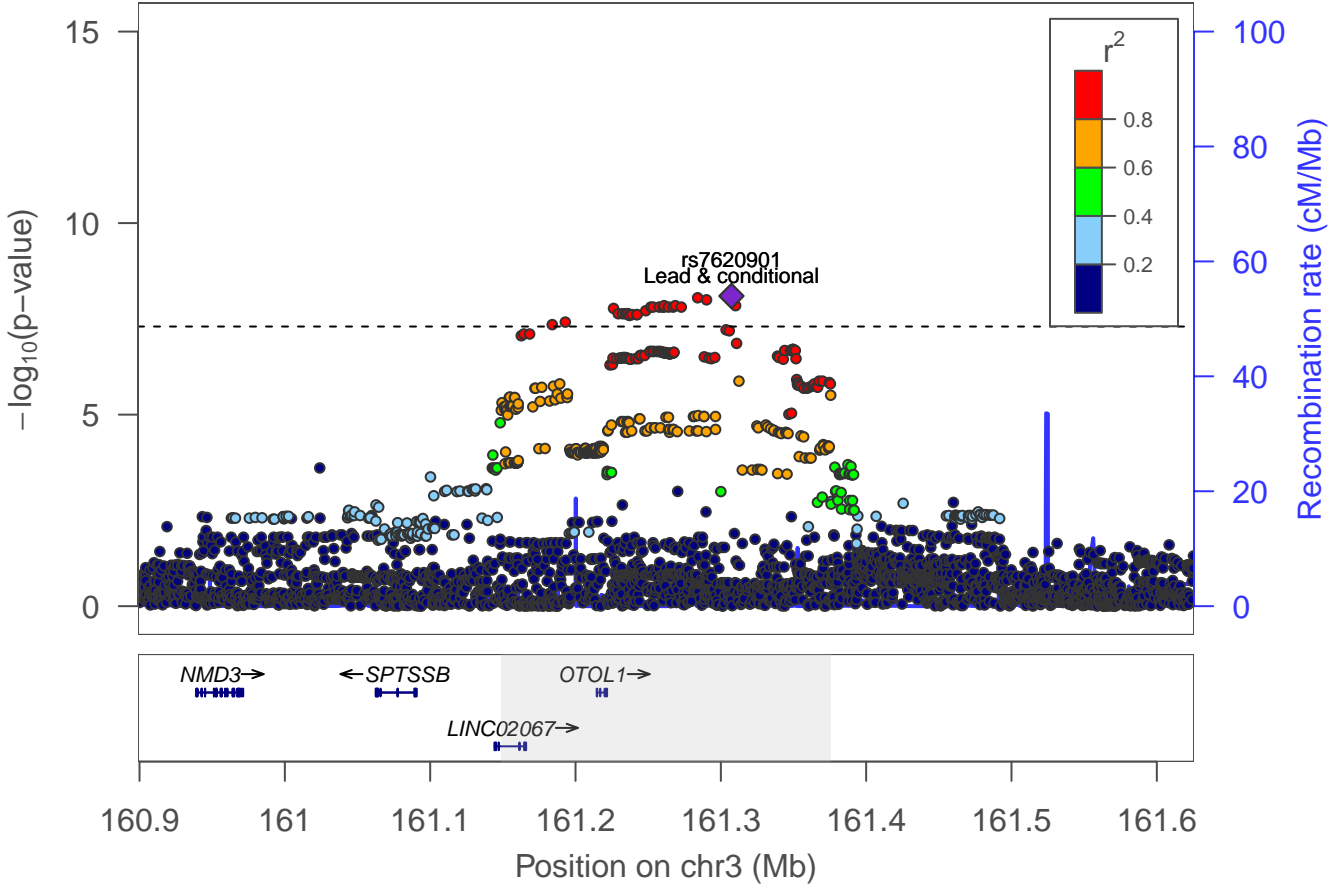
Drinks per week: locus 11 [chr 3:85.404–85.784Mb]



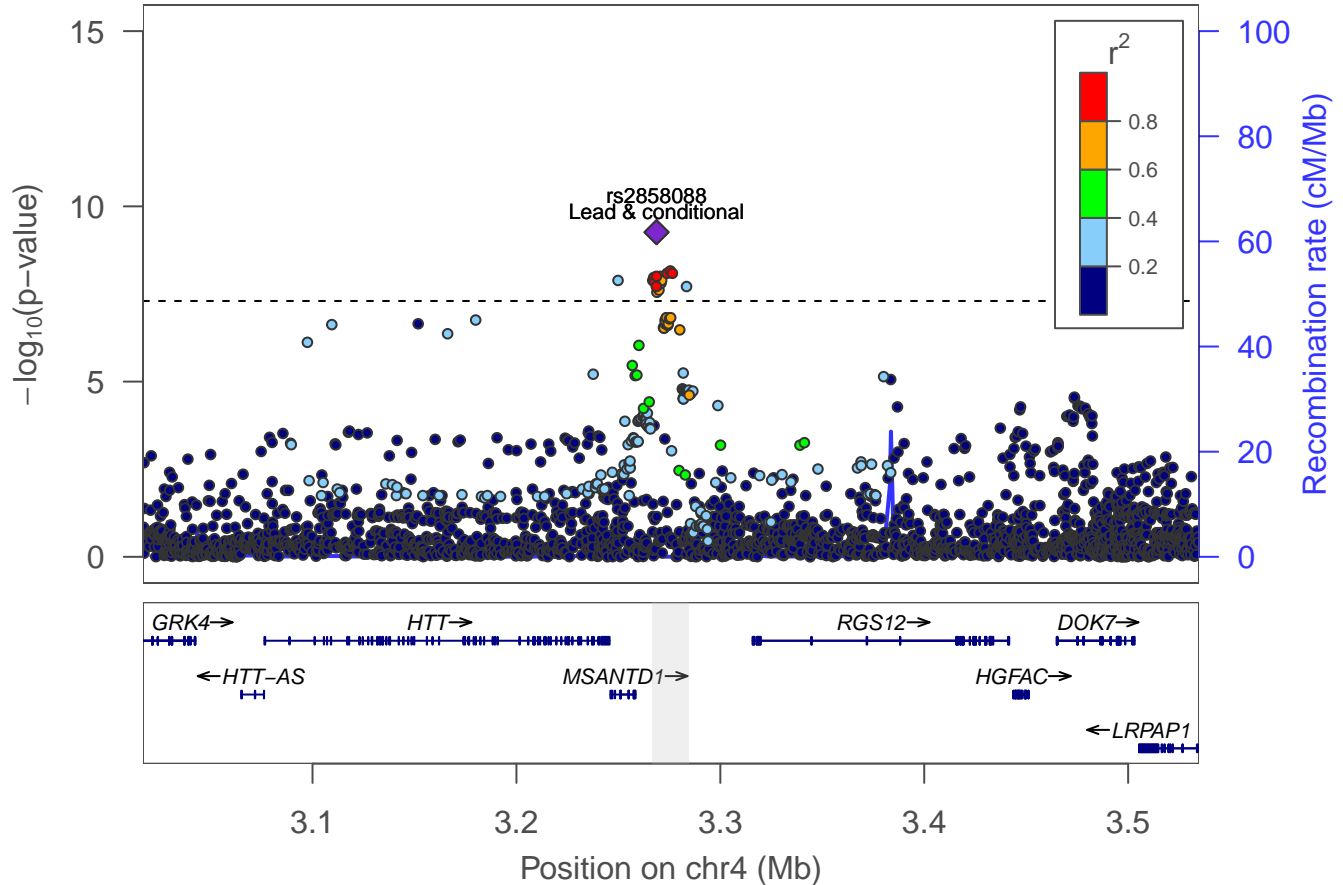
Drinks per week: locus 12 [chr 3:100.893–101.206Mb]



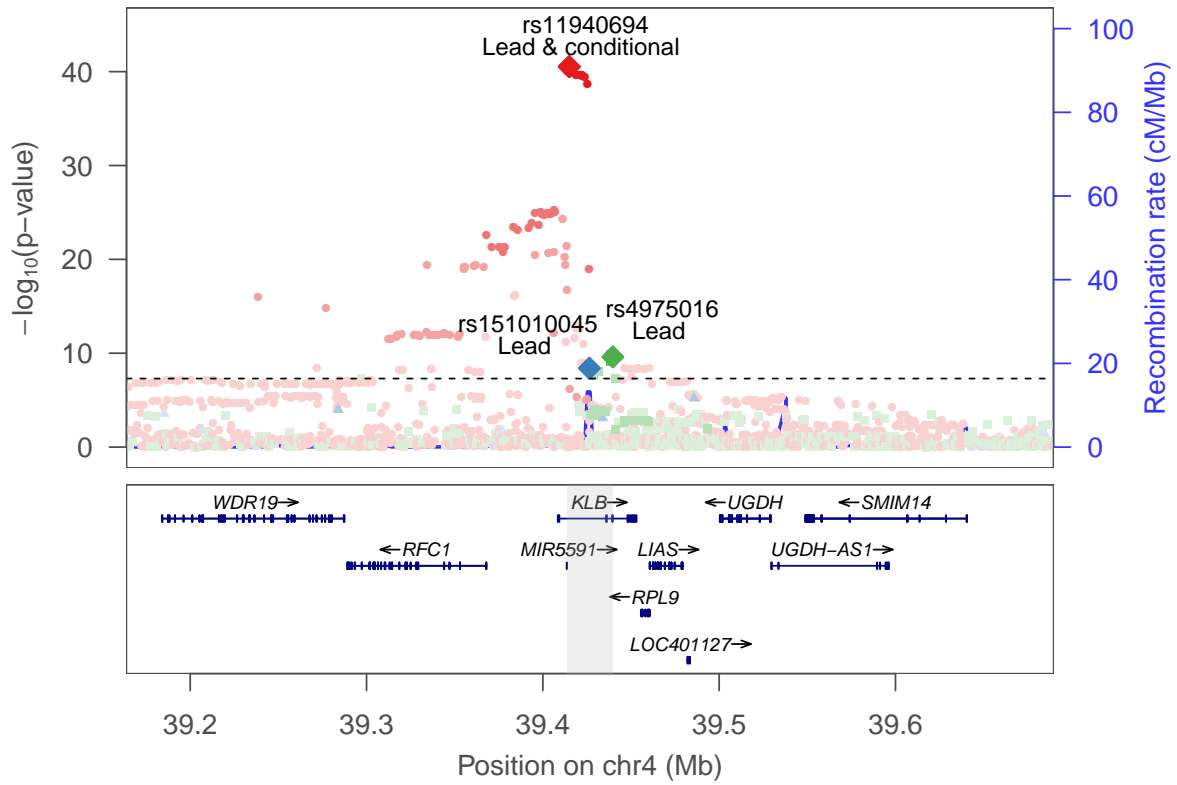
Drinks per week: locus 13 [chr 3:161.149–161.376Mb]



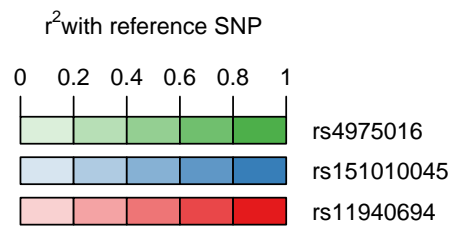
Drinks per week: locus 14 [chr 4:3.267–3.285Mb]



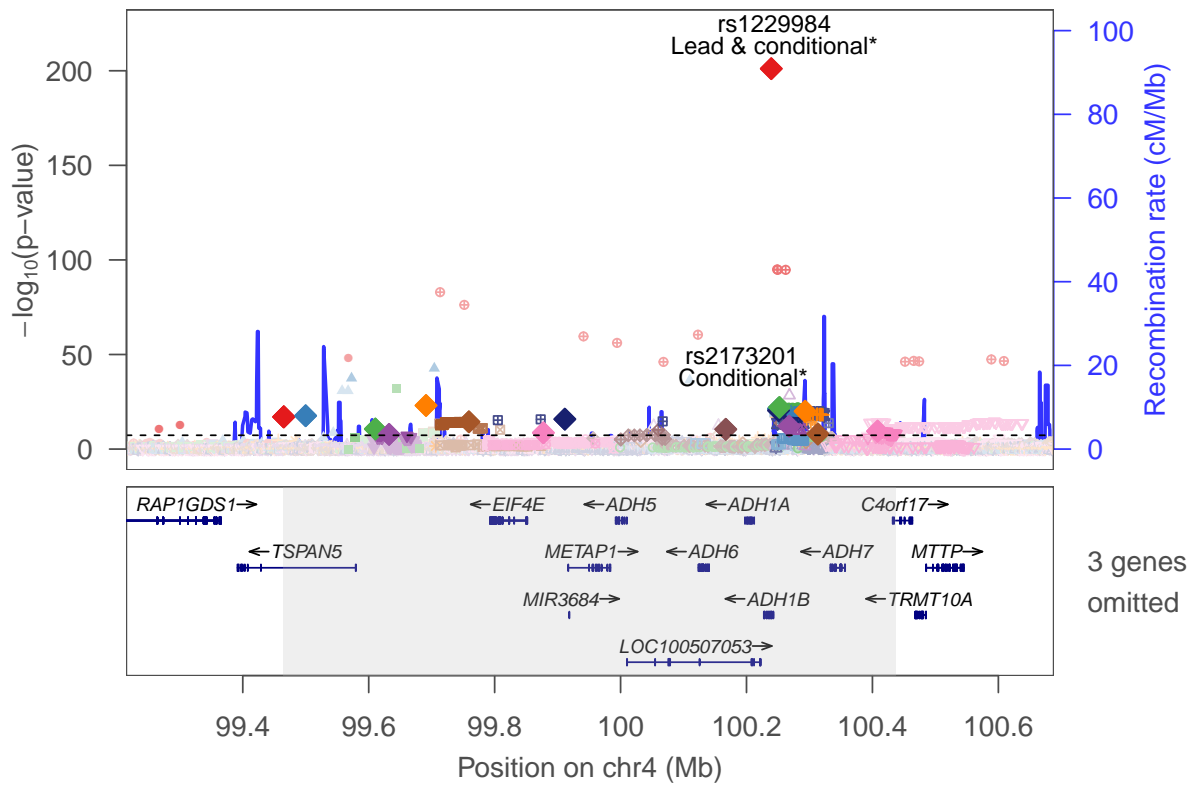
Drinks per week: Locus 15 [chr 4: 39.414–39.440Mb]



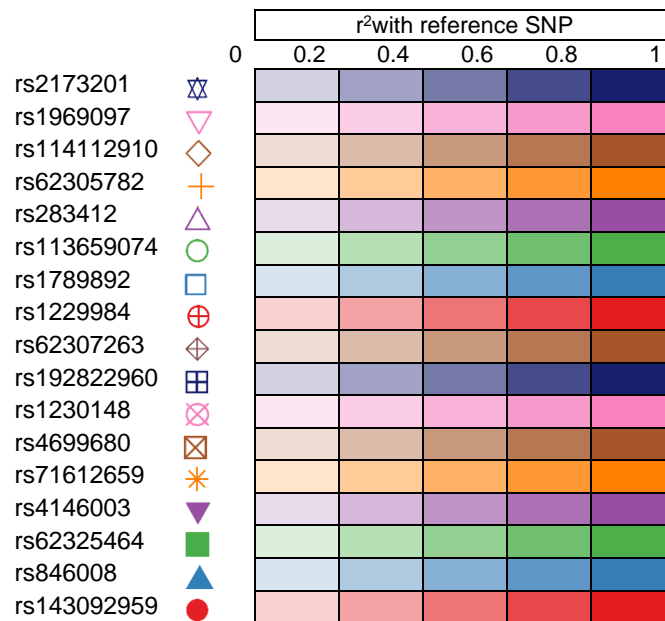
rs4975016 ■
 rs151010045 ▲
 rs11940694 ●



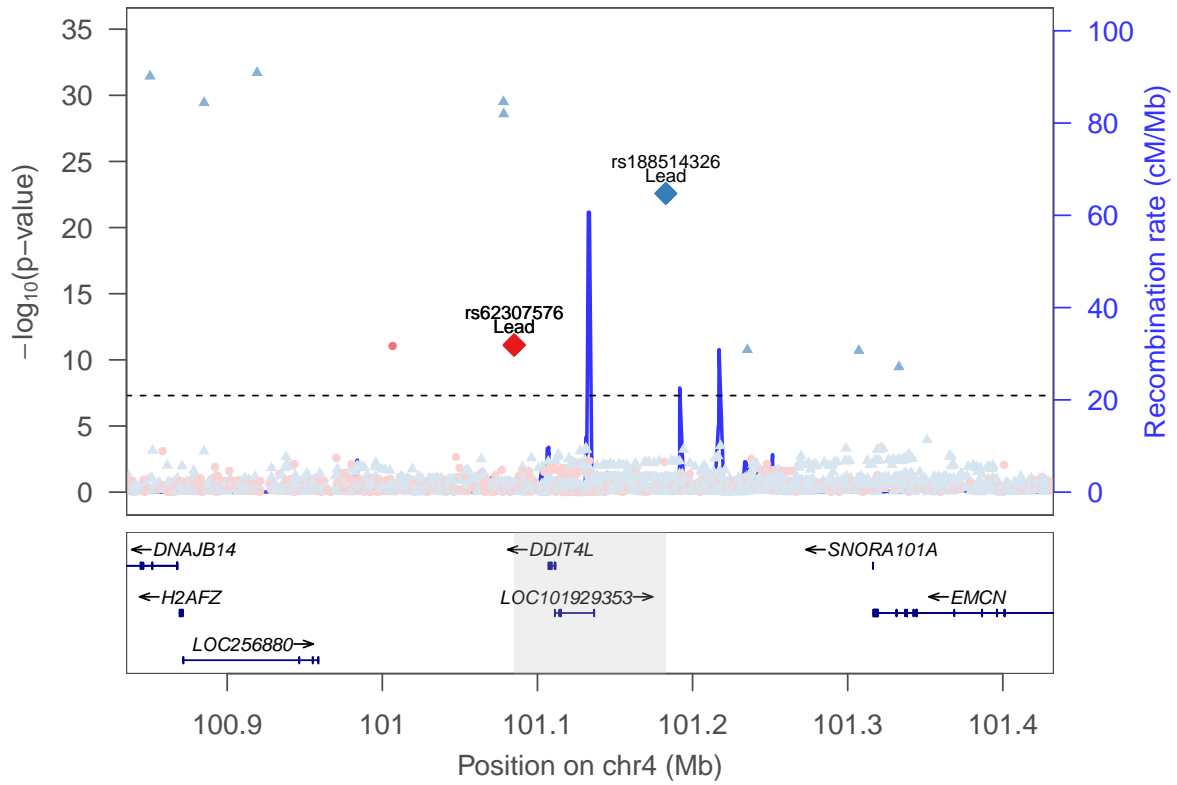
Drinks per week: Locus 16 [chr 4: 99.465–100.438Mb]



* All other reference SNPs are Lead SNPs only.



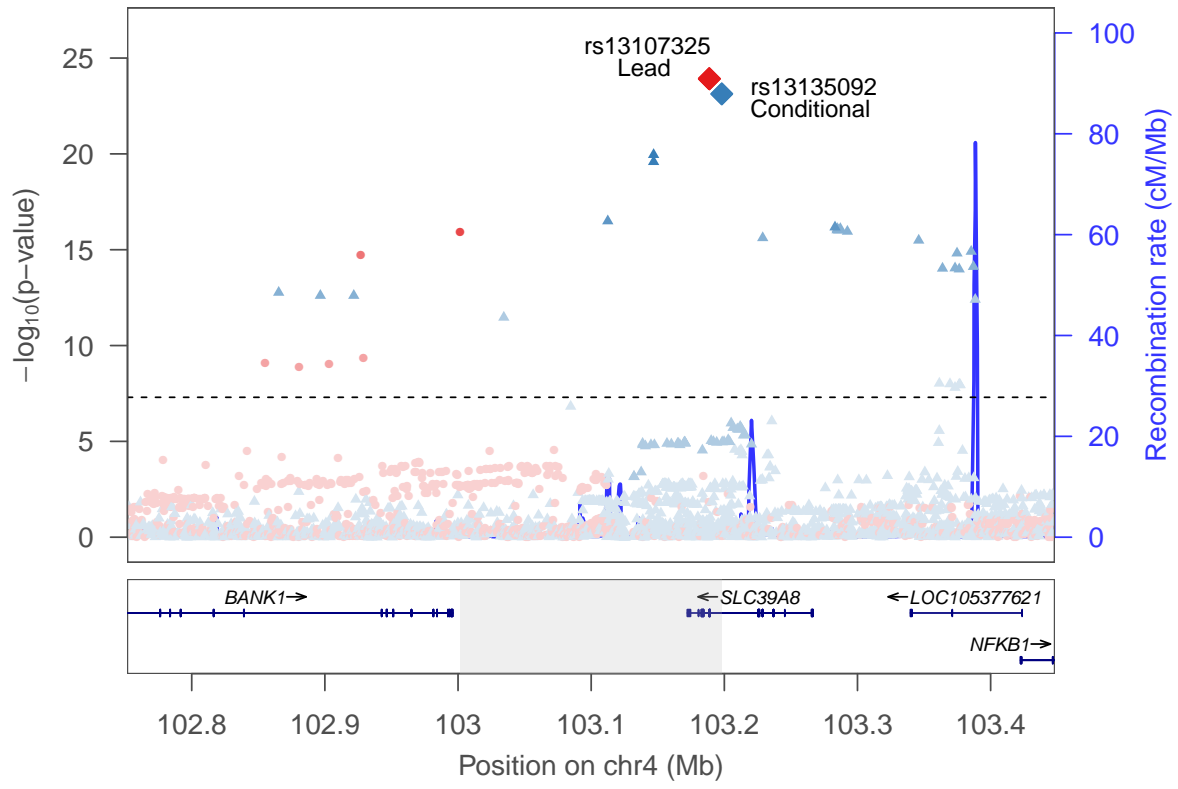
Drinks per week: Locus 17 [chr 4: 101.085–101.183Mb]



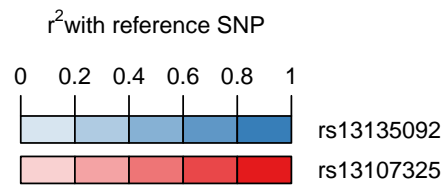
rs188514326 ▲
 rs62307576 ●



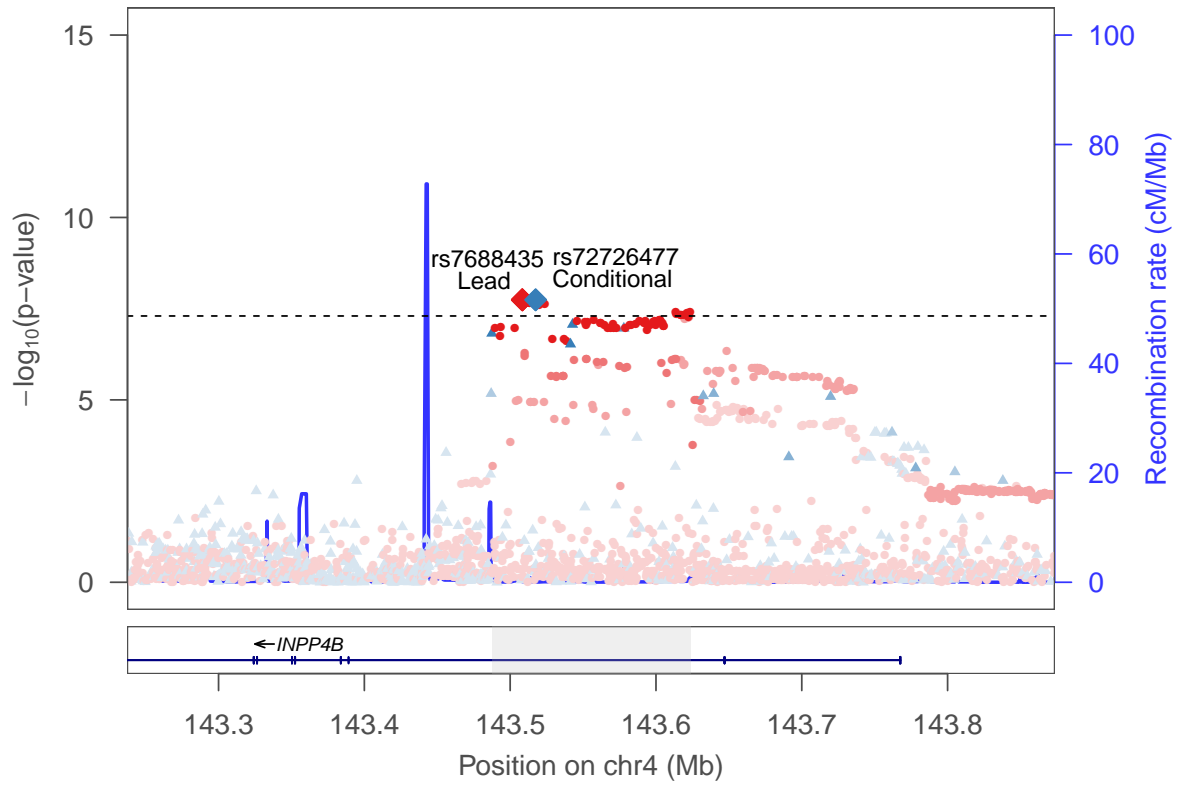
Drinks per week: Locus 18 [chr 4: 103.002–103.198Mb]



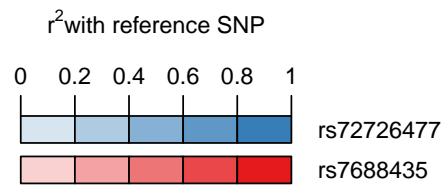
rs13135092 ▲
rs13107325 ●



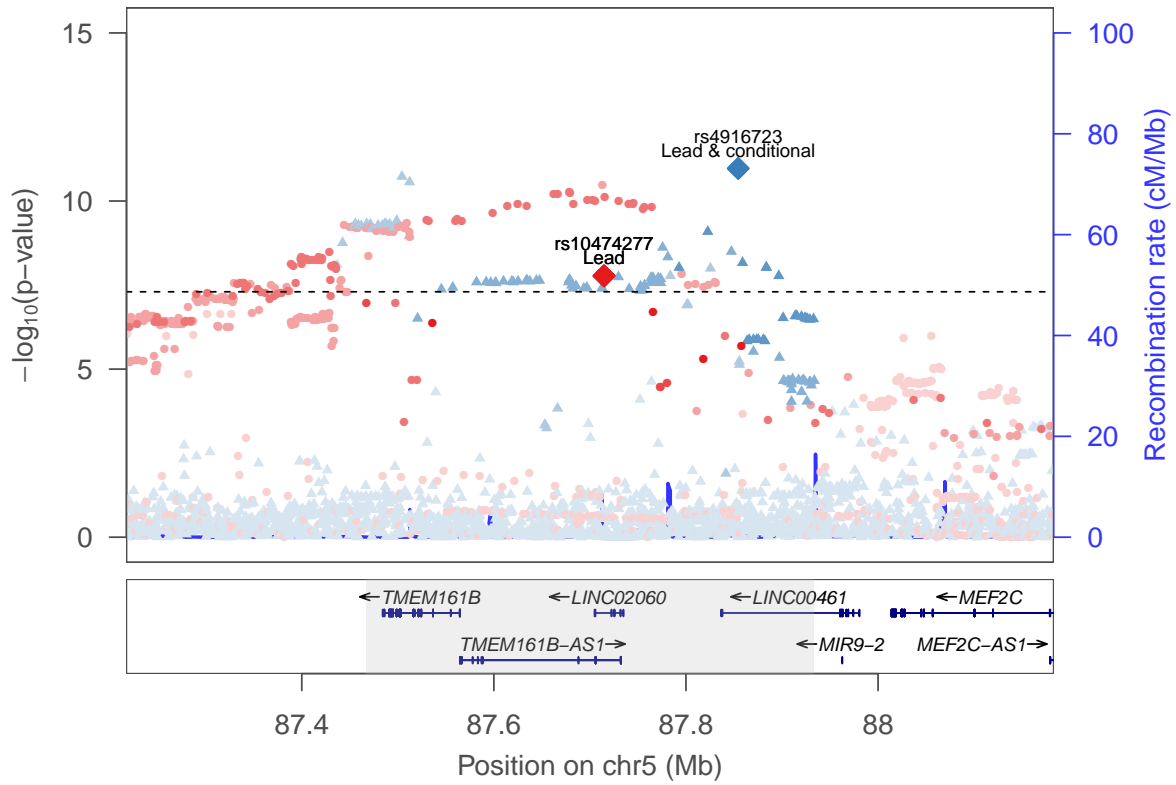
Drinks per week: Locus 19 [chr 4: 143.487–143.623Mb]



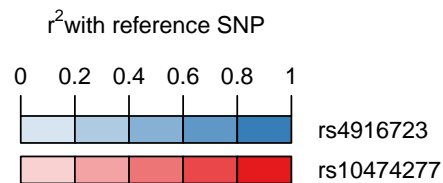
rs72726477 ▲
rs7688435 ●



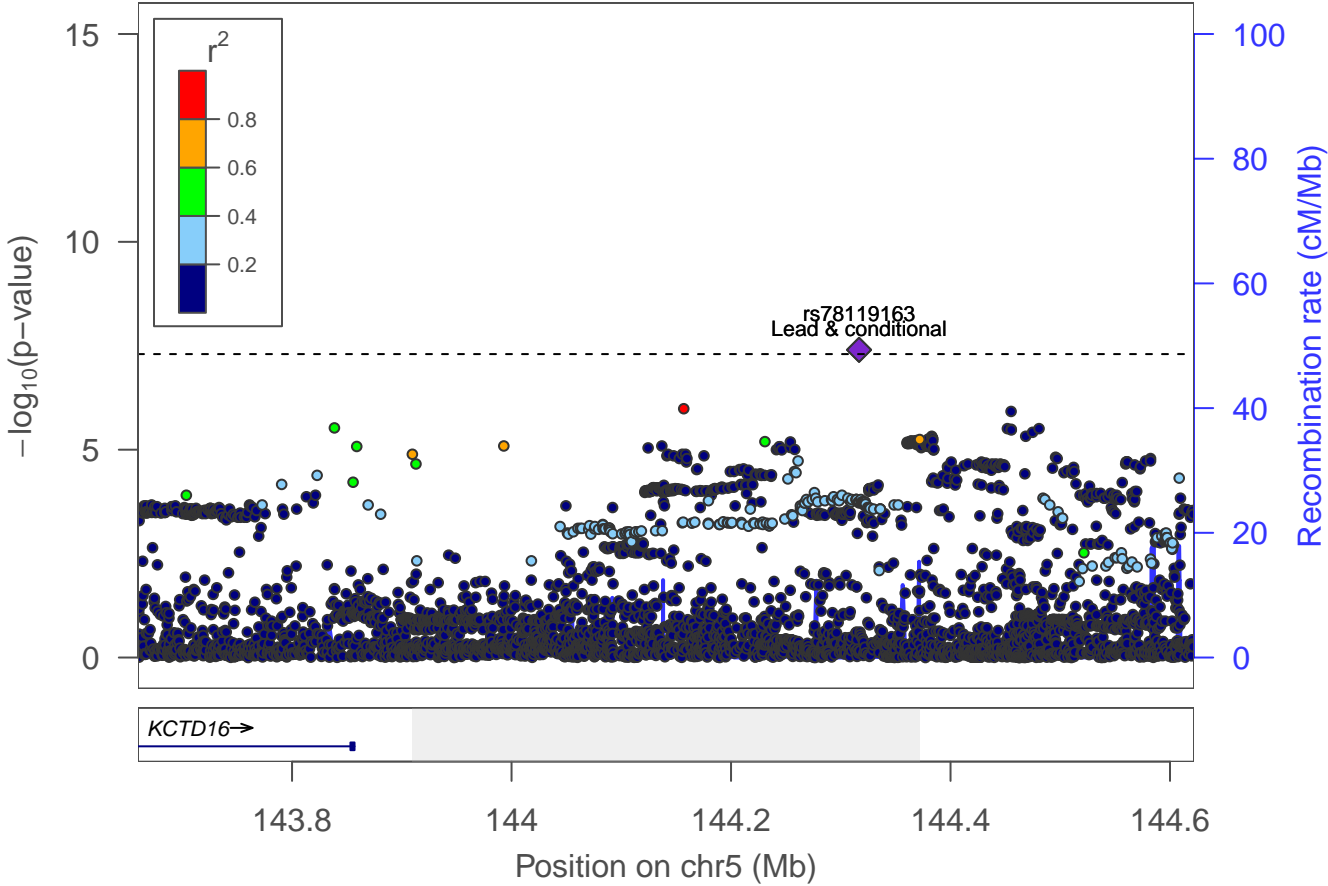
Drinks per week: Locus 20 [chr 5: 87.467–87.933Mb]



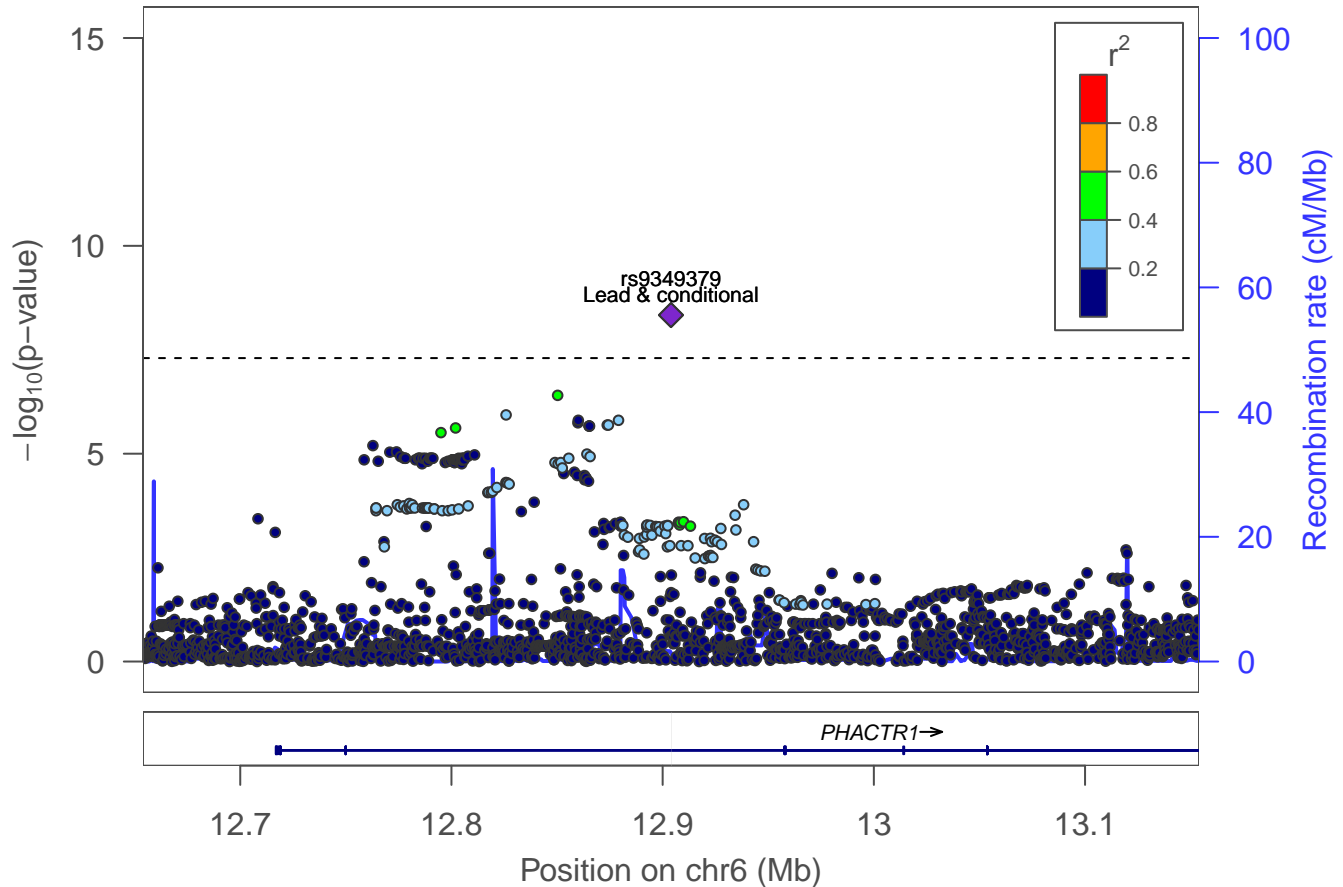
rs4916723 ▲
rs10474277 ●



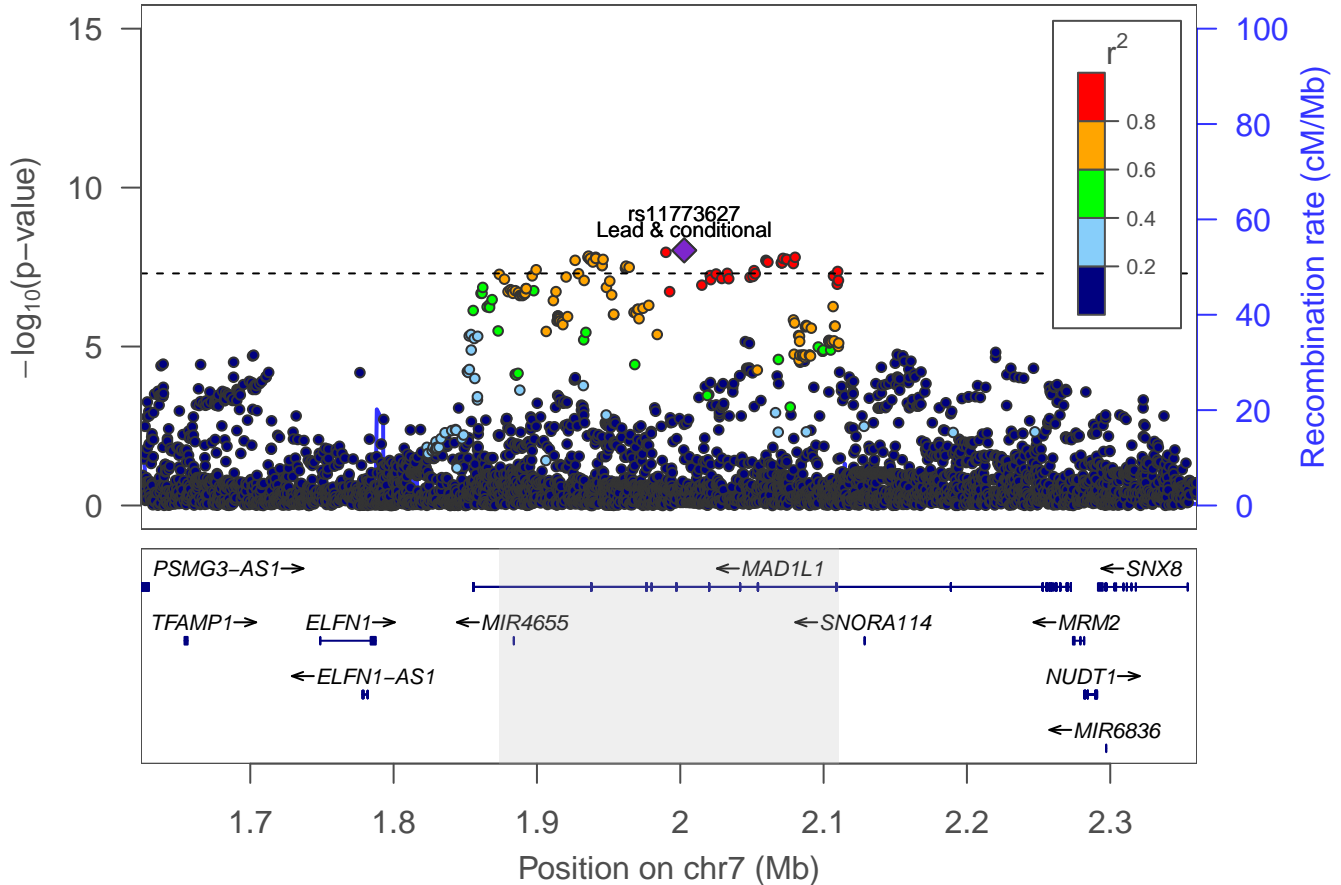
Drinks per week: locus 21 [chr 5:143.910–144.372Mb]



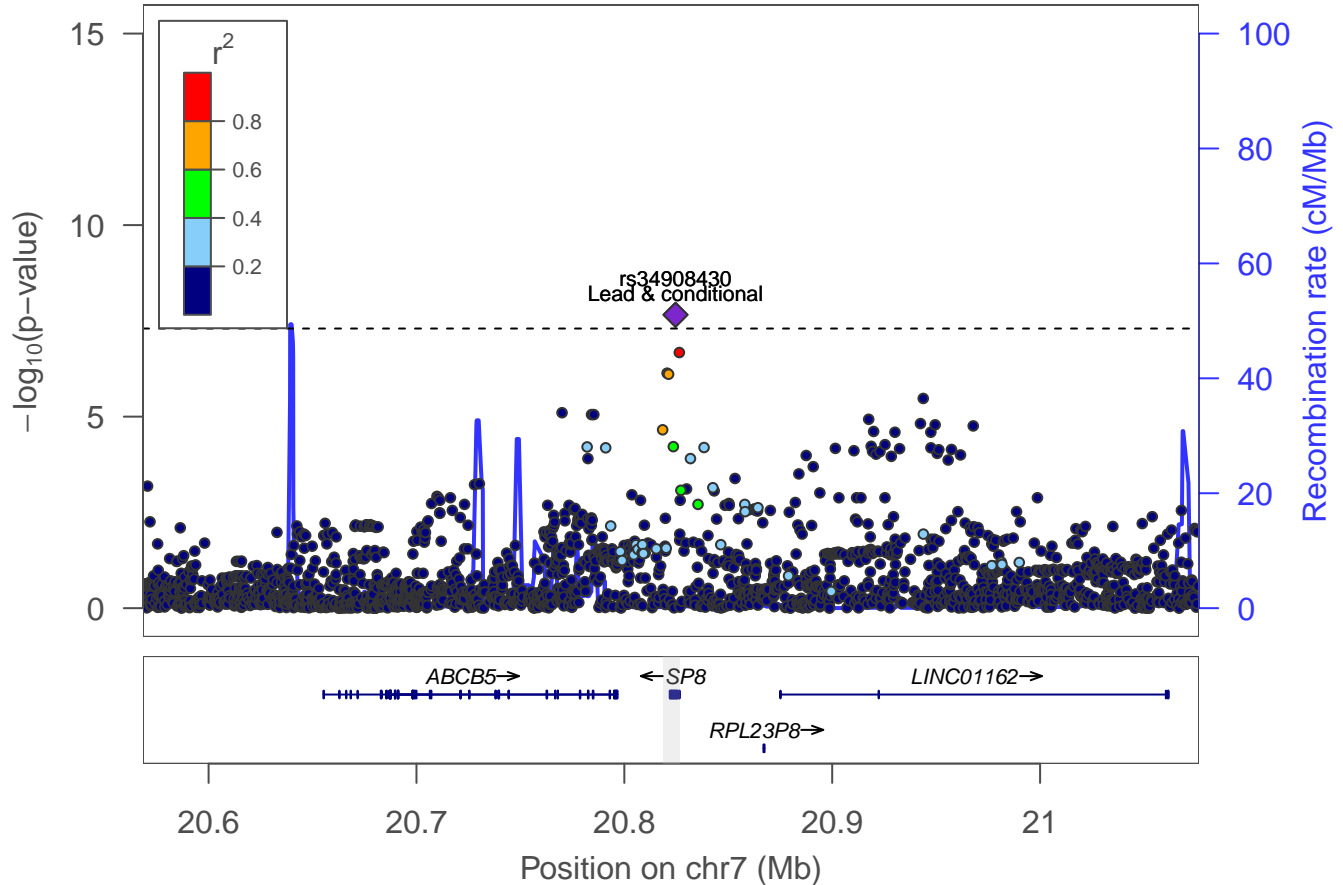
Drinks per week: locus 22 [chr 6:12.904–12.904Mb]



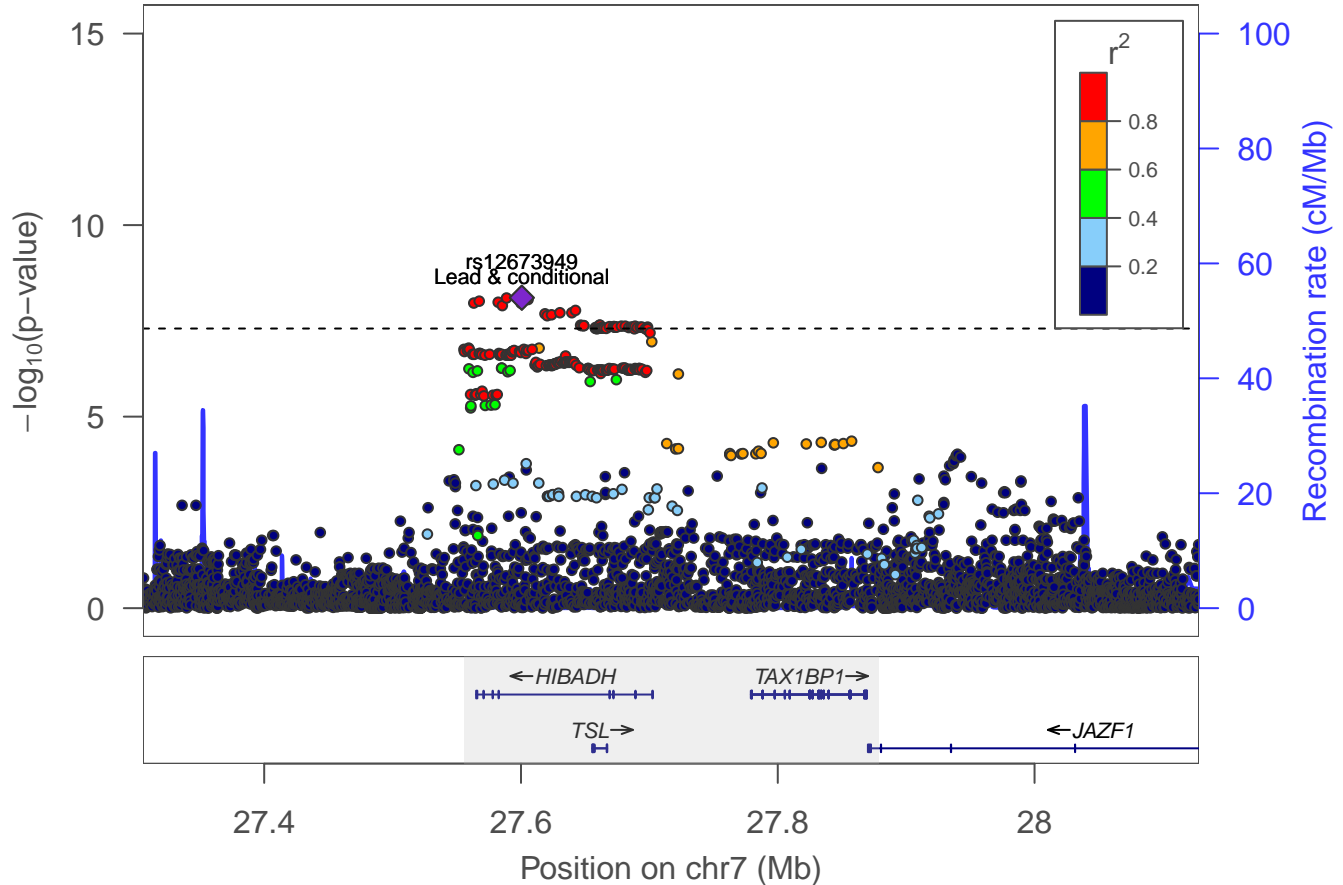
Drinks per week: locus 23 [chr 7:1.874–2.111Mb]



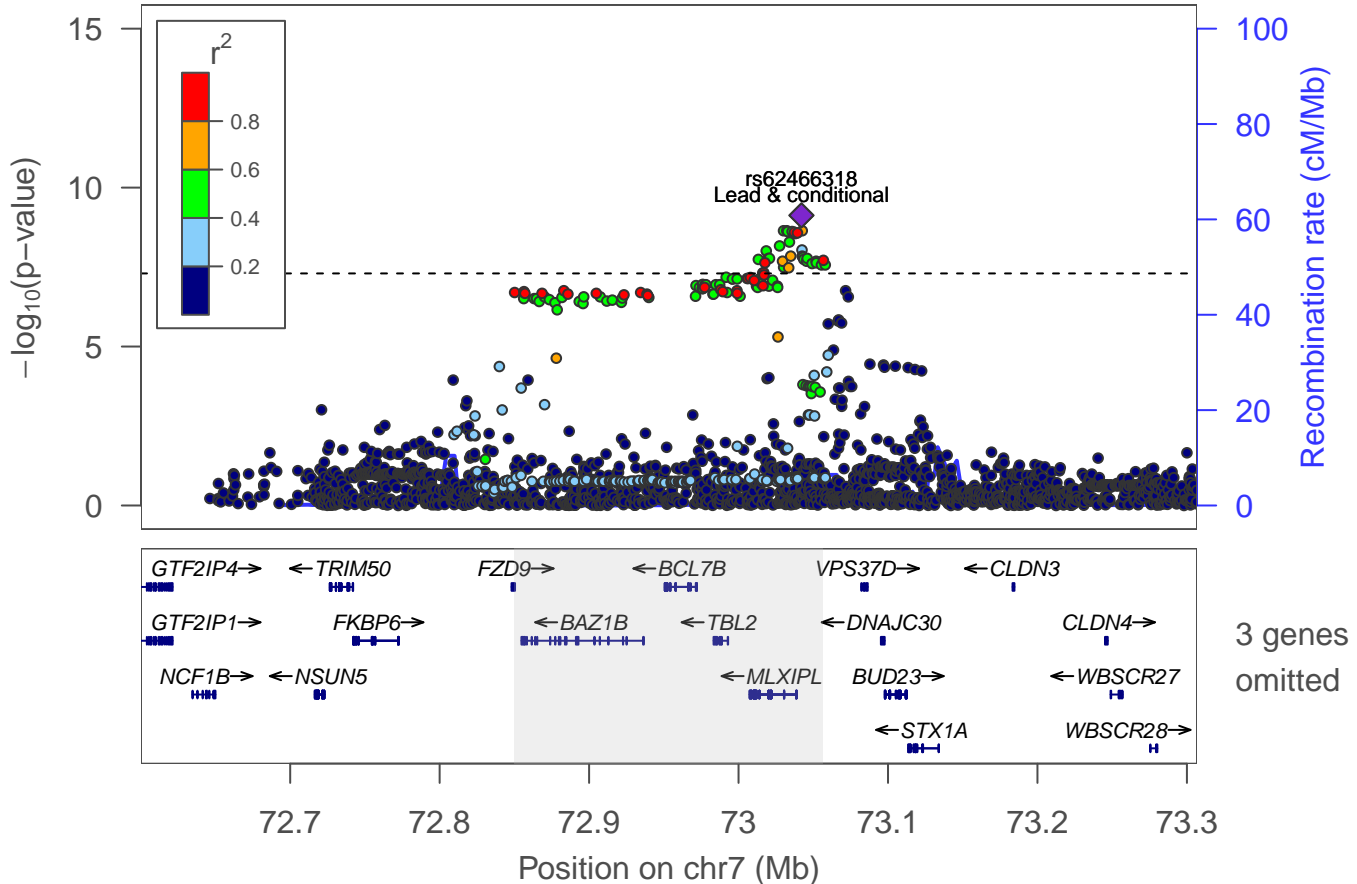
Drinks per week: locus 24 [chr 7:20.818–20.826Mb]



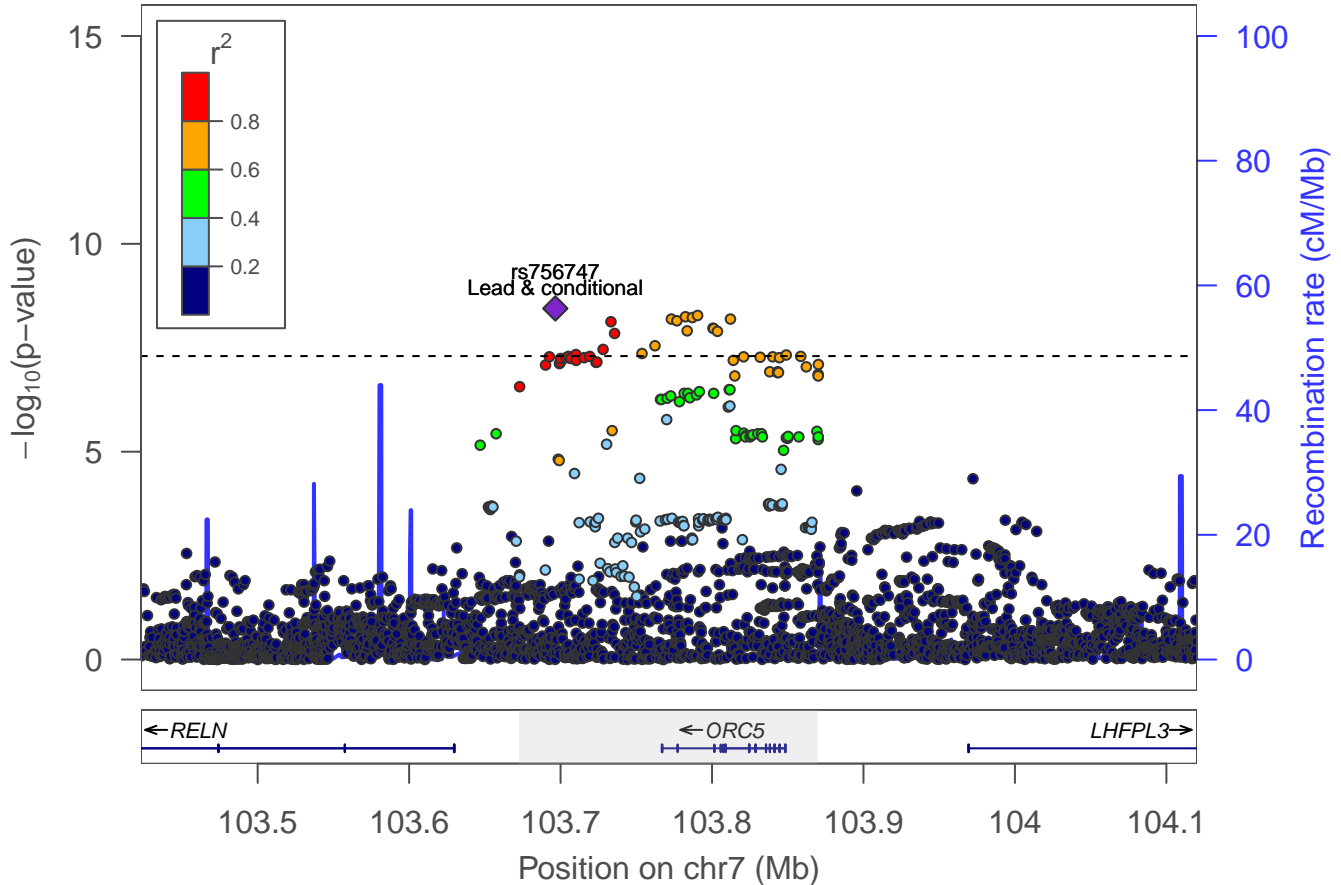
Drinks per week: locus 25 [chr 7:27.556–27.878Mb]



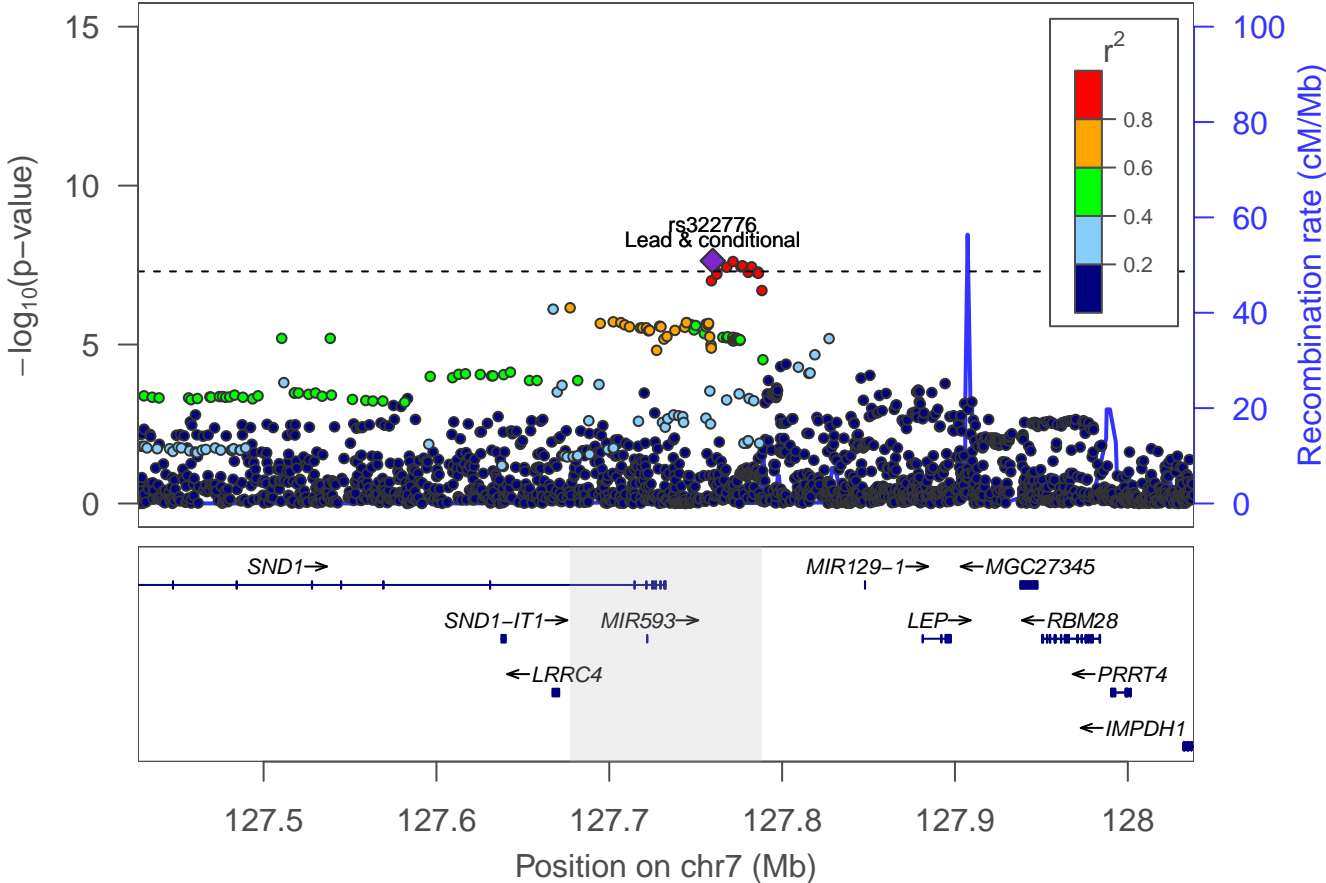
Drinks per week: locus 26 [chr 7:72.850–73.057Mb]



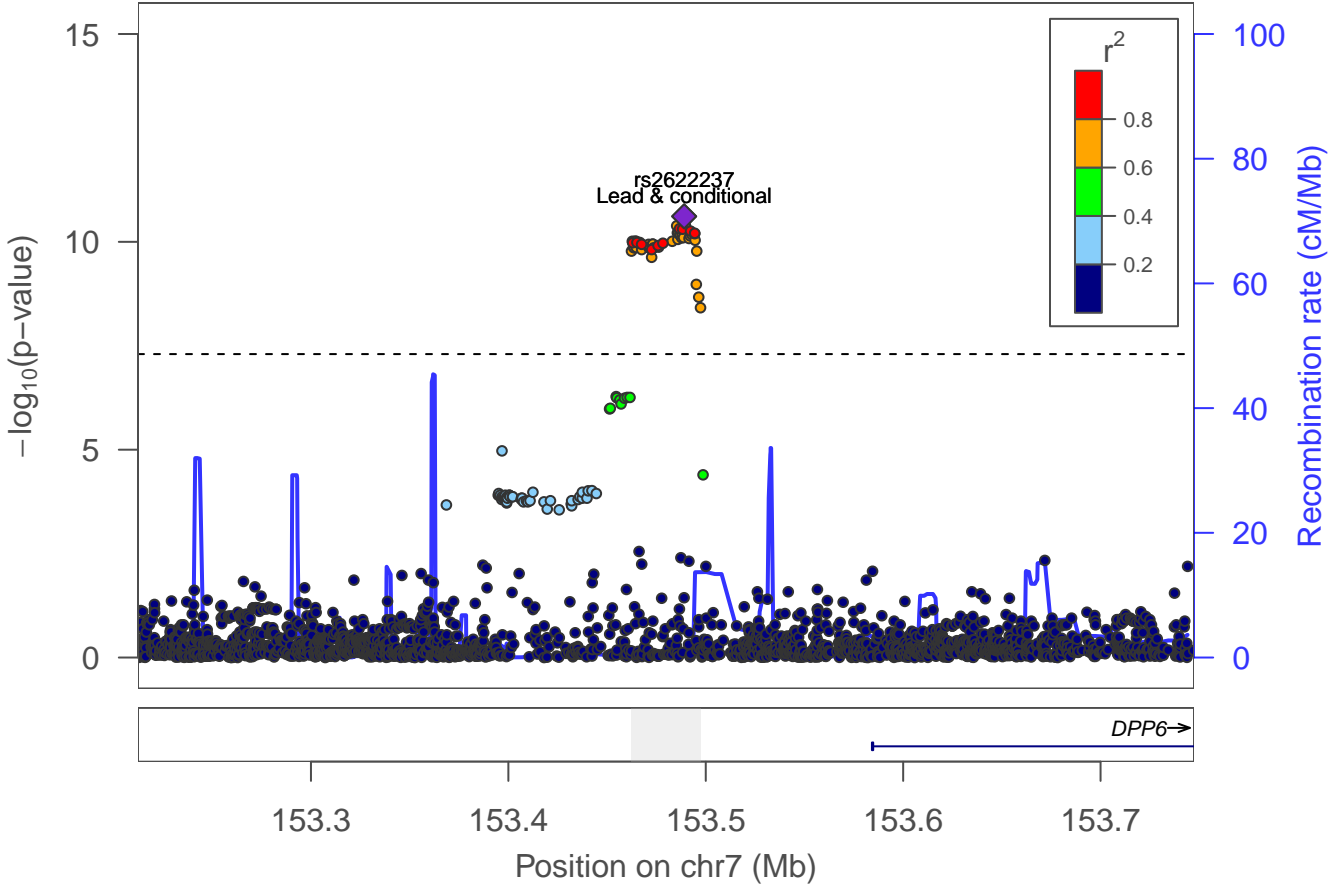
Drinks per week: locus 27 [chr 7:103.673–103.870Mb]



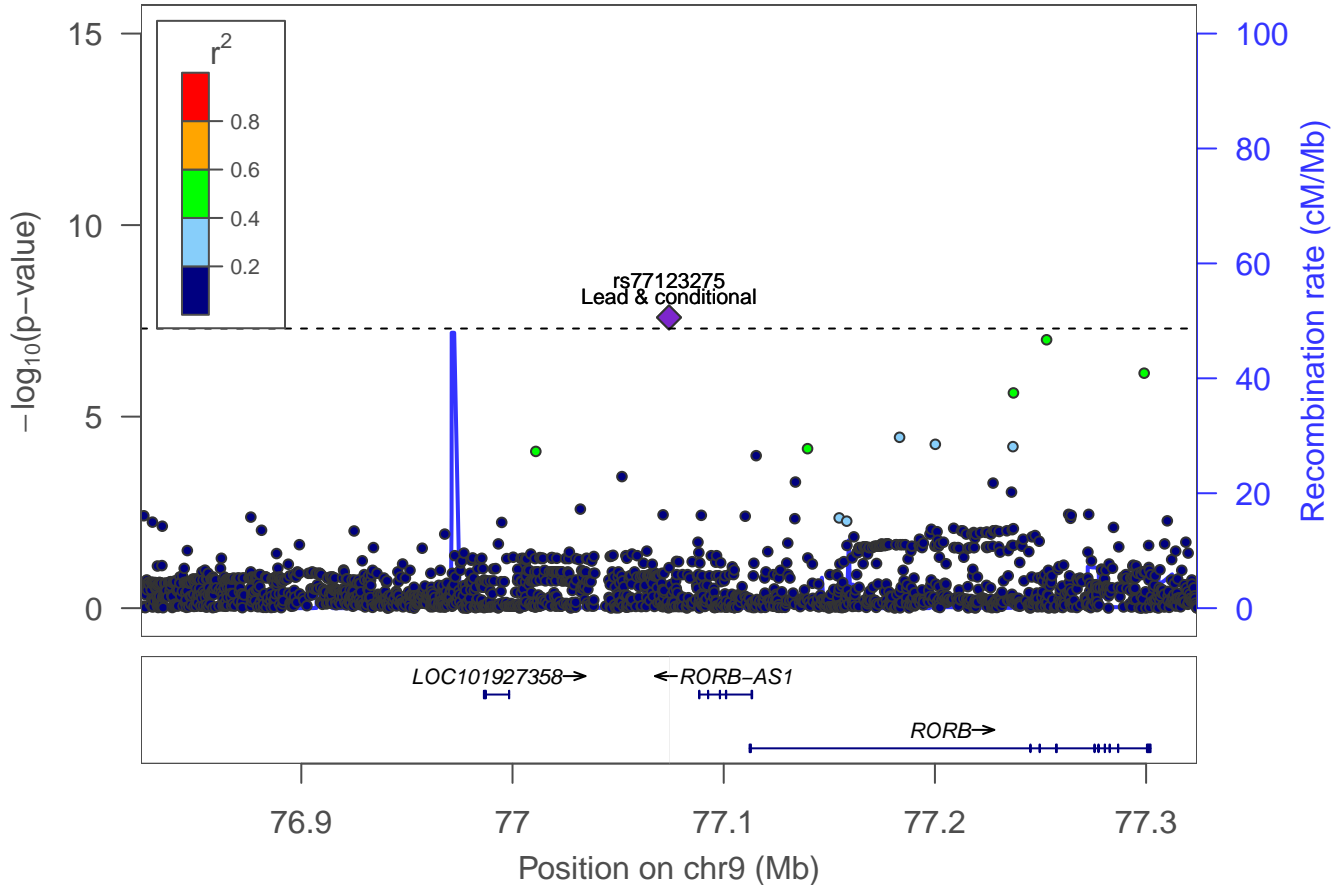
Drinks per week: locus 28 [chr 7:127.677–127.788Mb]



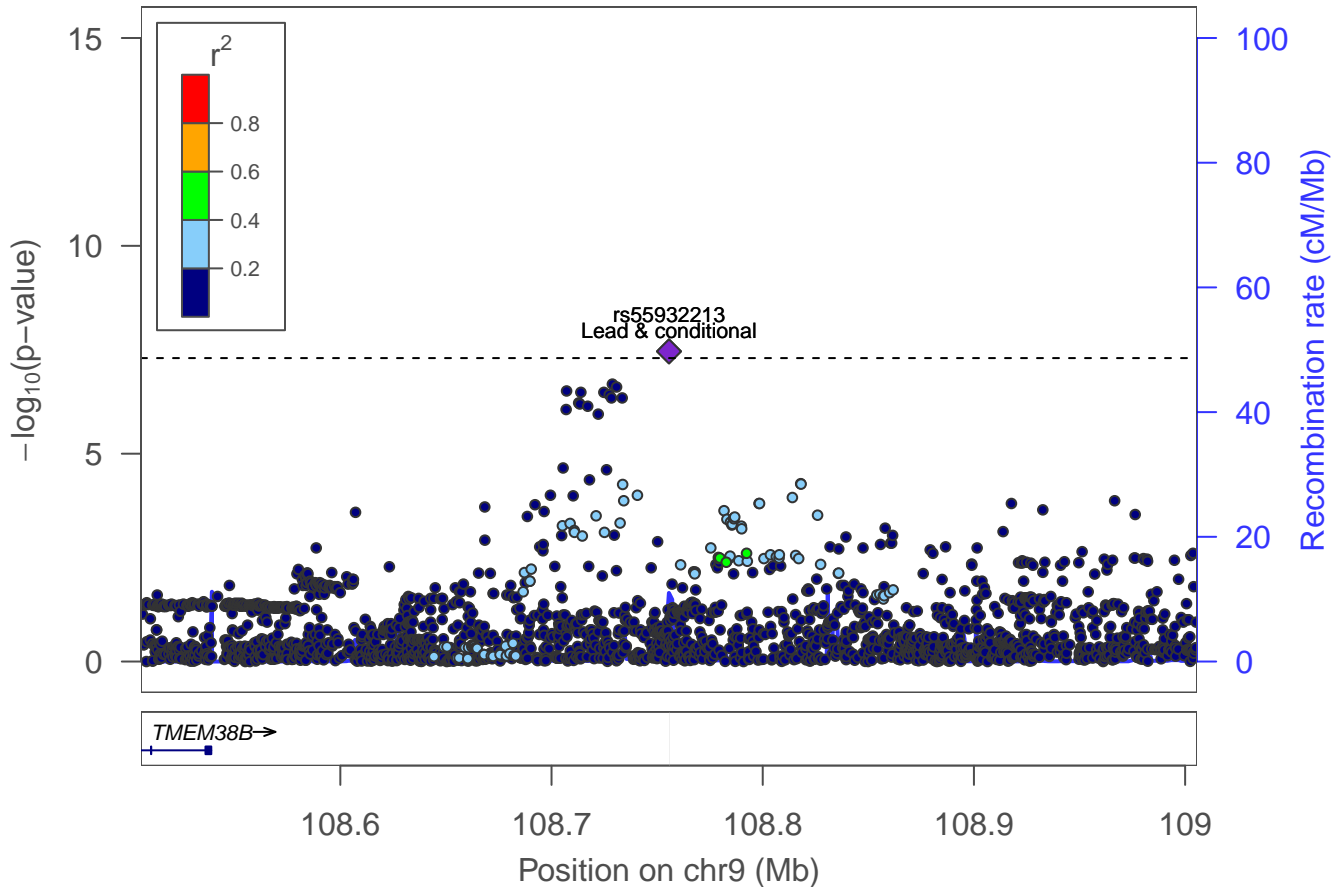
Drinks per week: locus 29 [chr 7:153.462–153.497Mb]



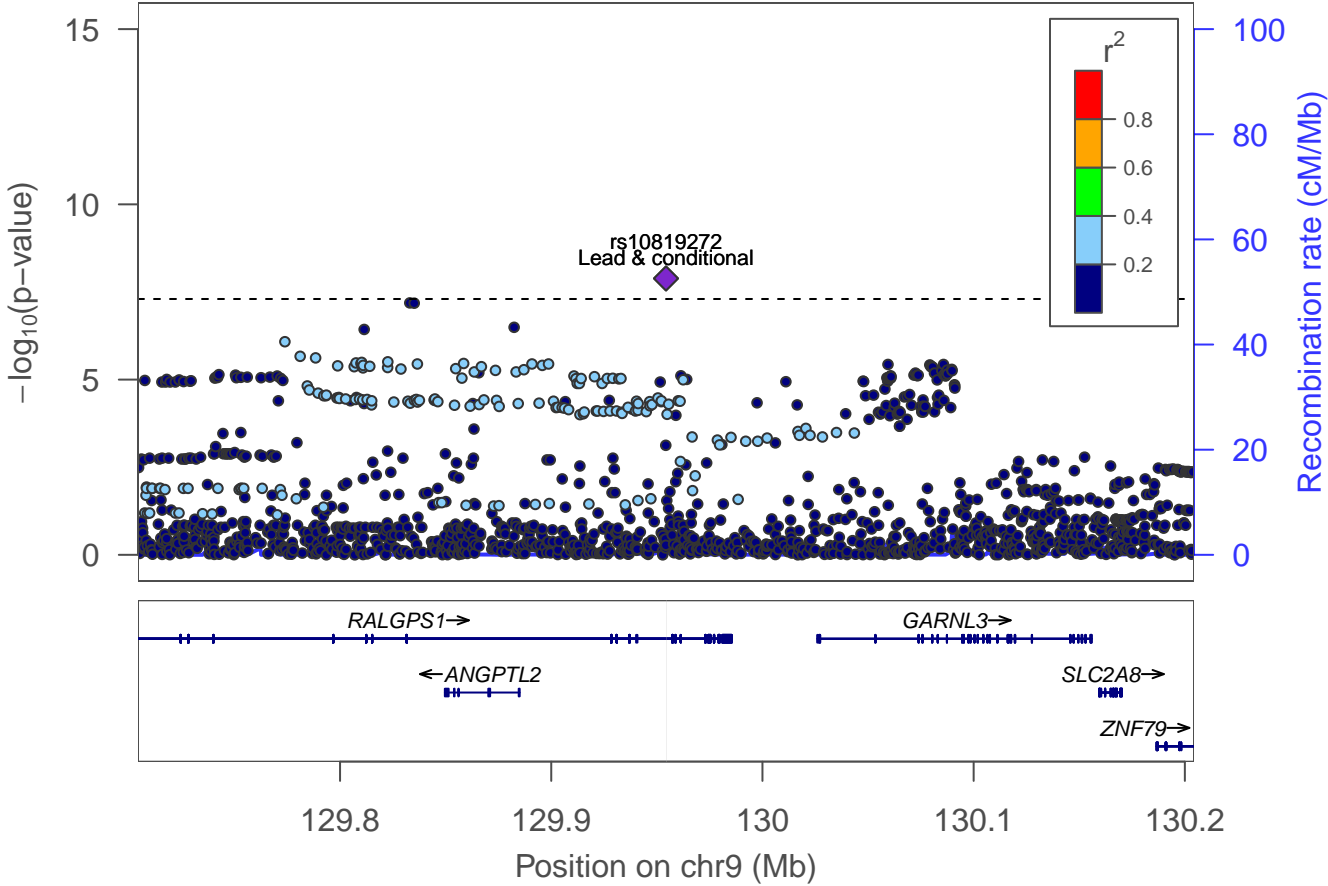
Drinks per week: locus 30 [chr 9:77.074–77.074Mb]



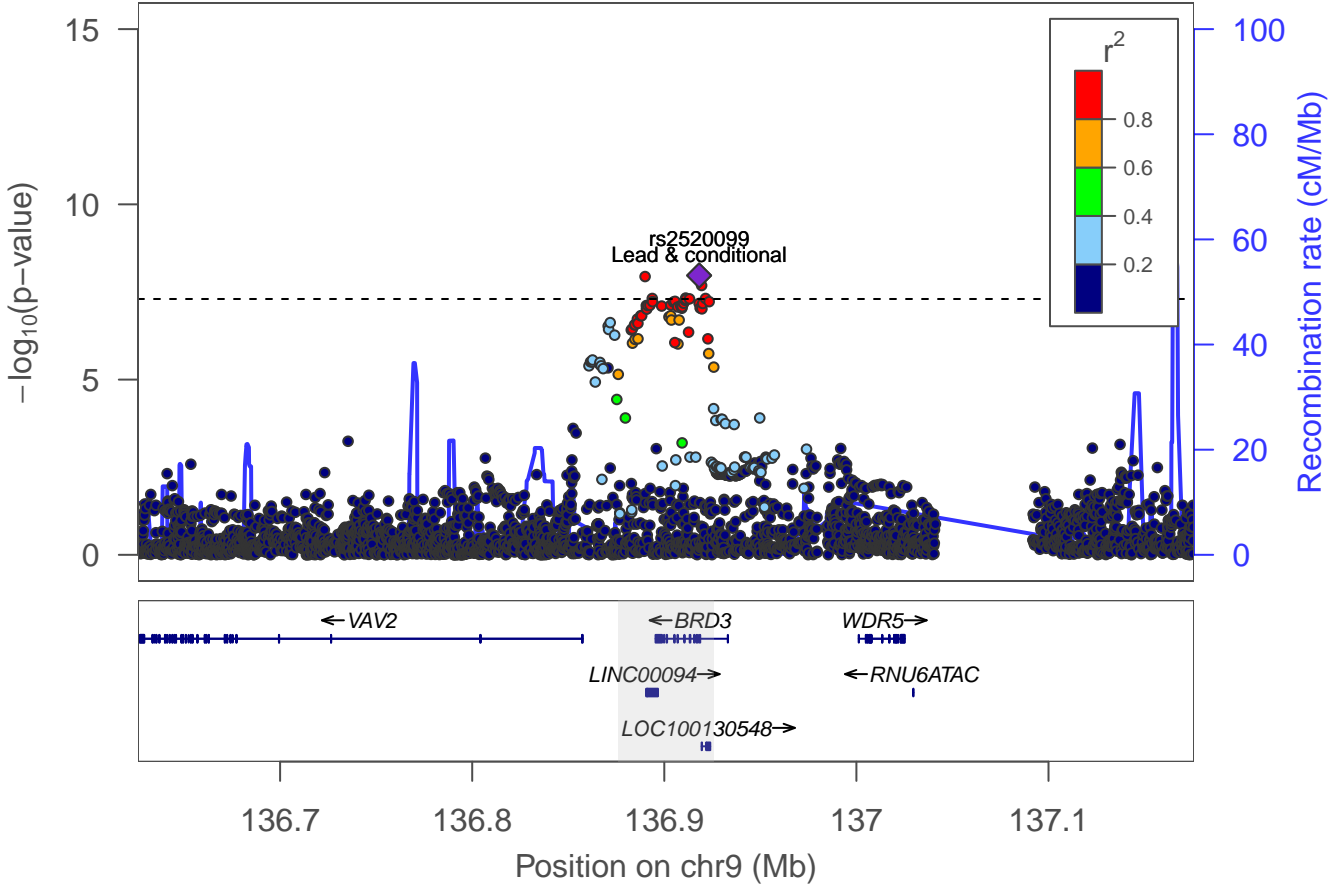
Drinks per week: locus 31 [chr 9:108.756–108.756Mb]



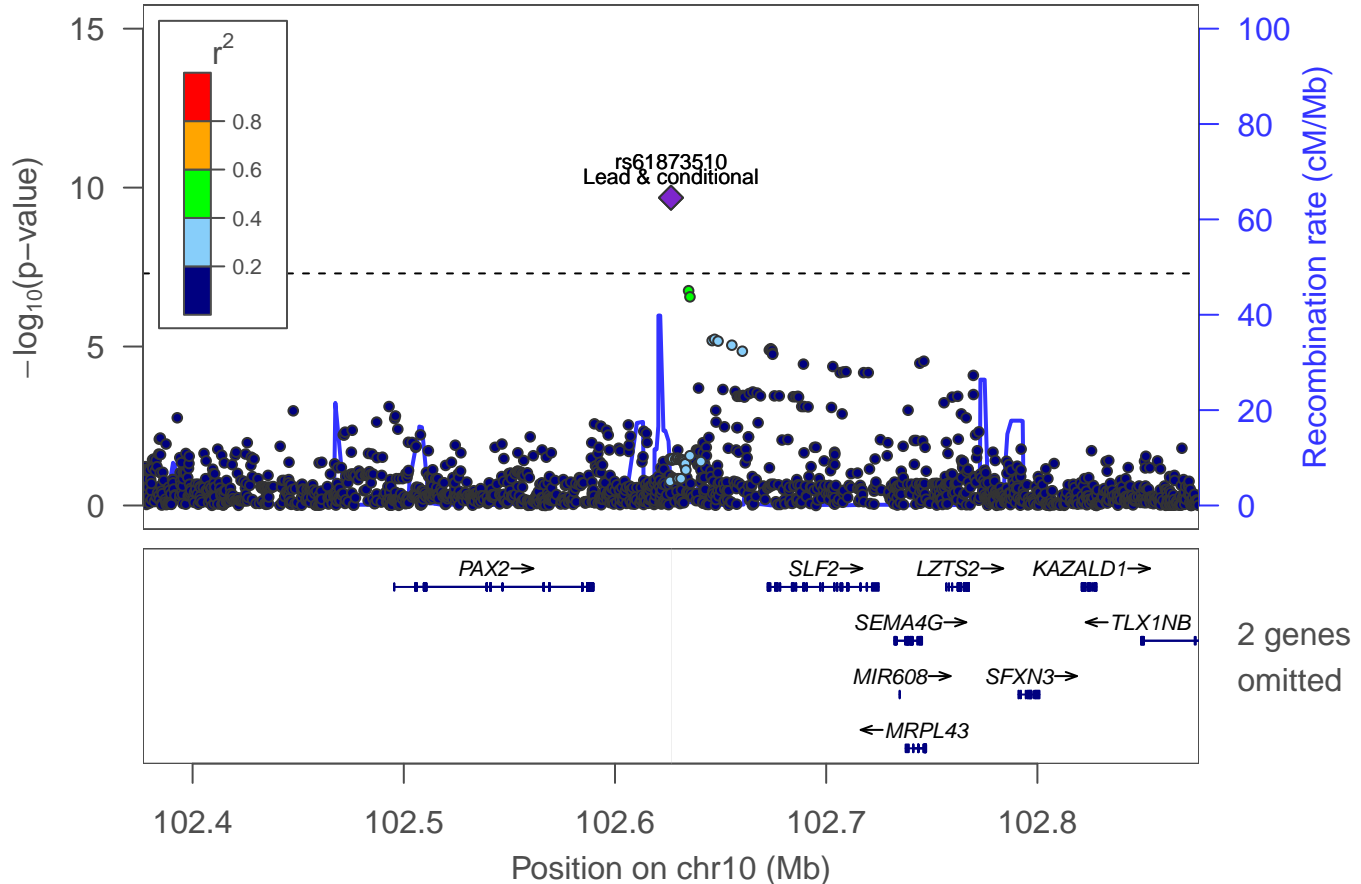
Drinks per week: locus 32 [chr 9:129.954–129.954Mb]



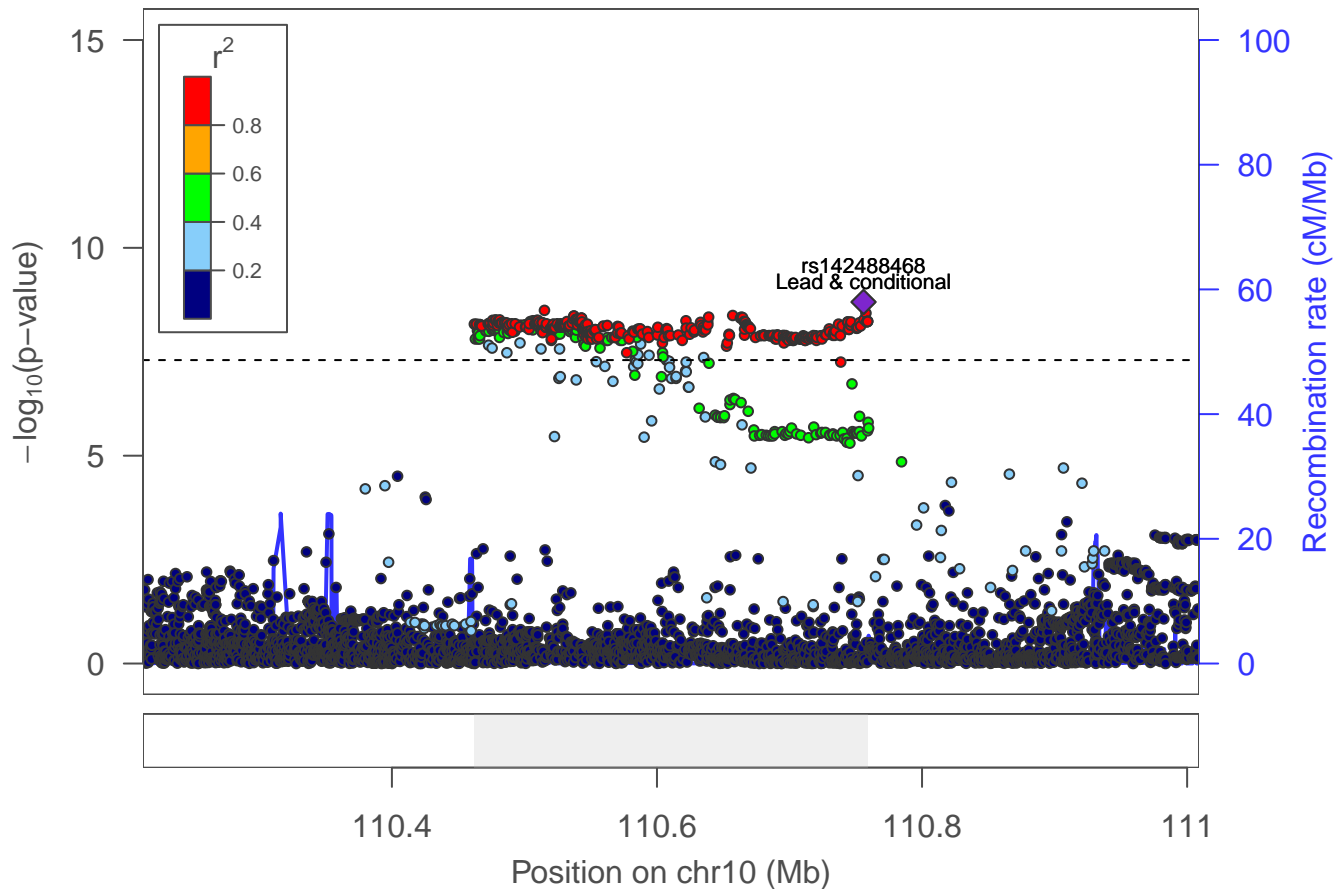
Drinks per week: locus 33 [chr 9:136.876–136.926Mb]



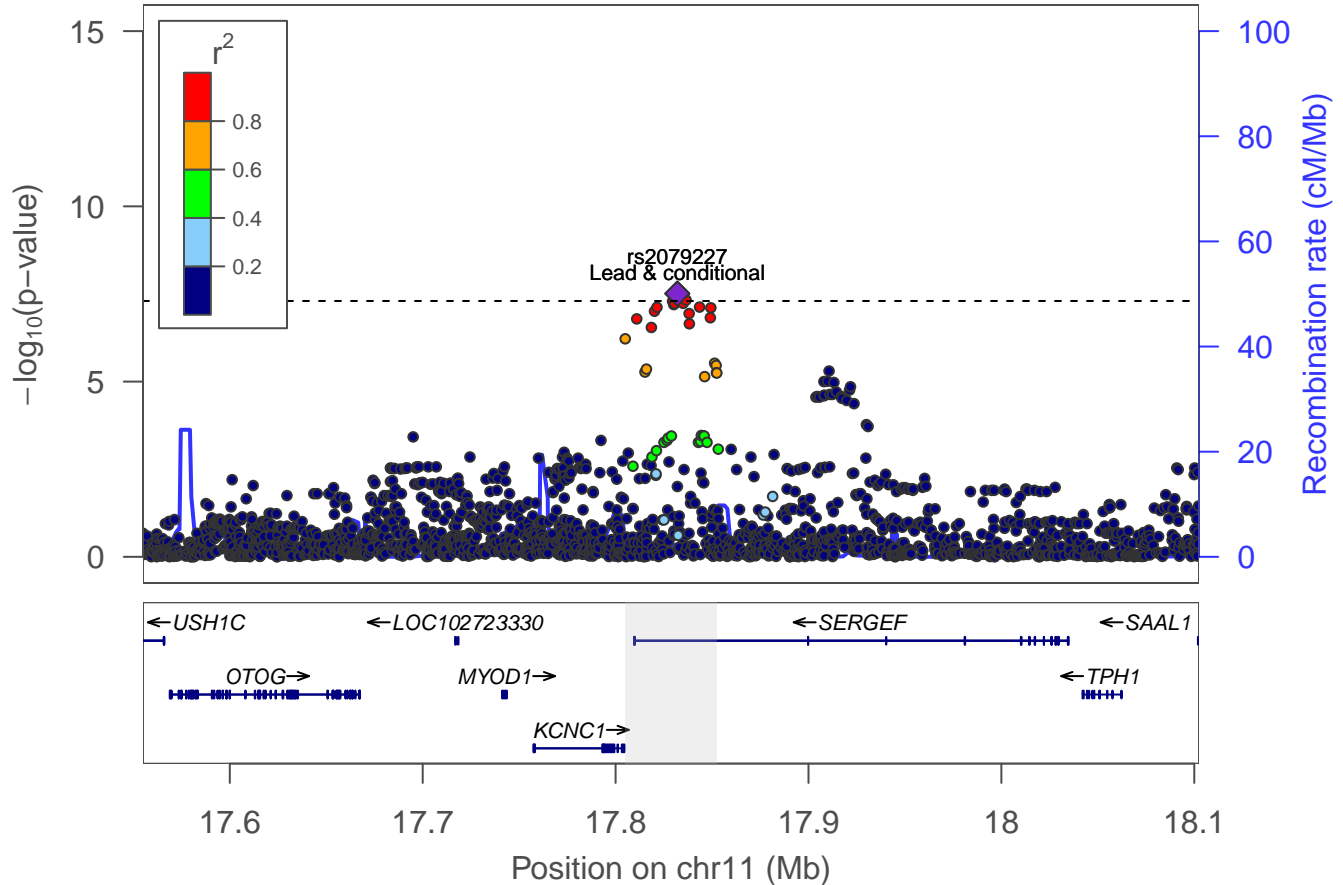
Drinks per week: locus 34 [chr 10:102.627–102.627Mb]



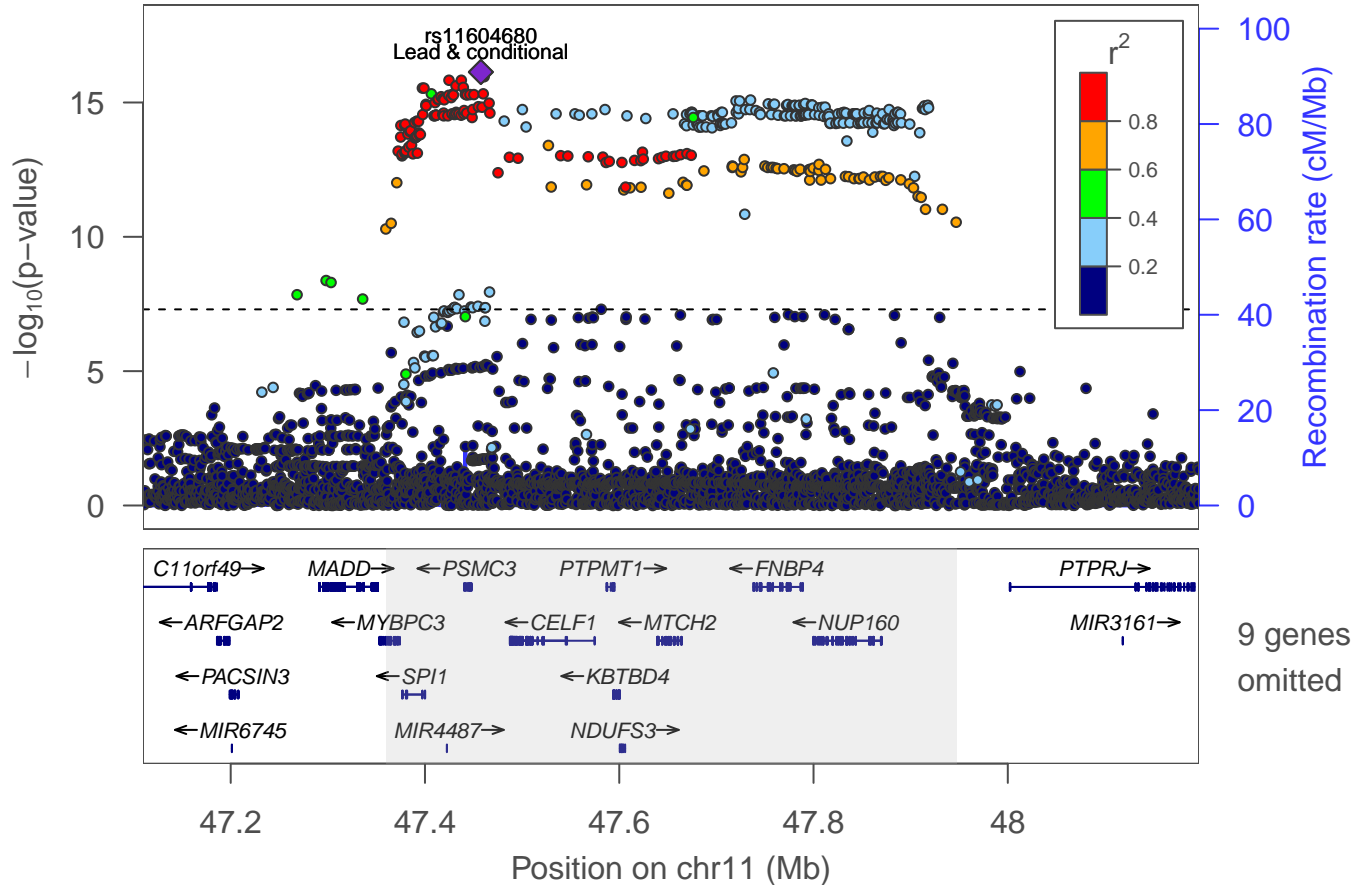
Drinks per week: locus 35 [chr 10:110.462–110.759Mb]



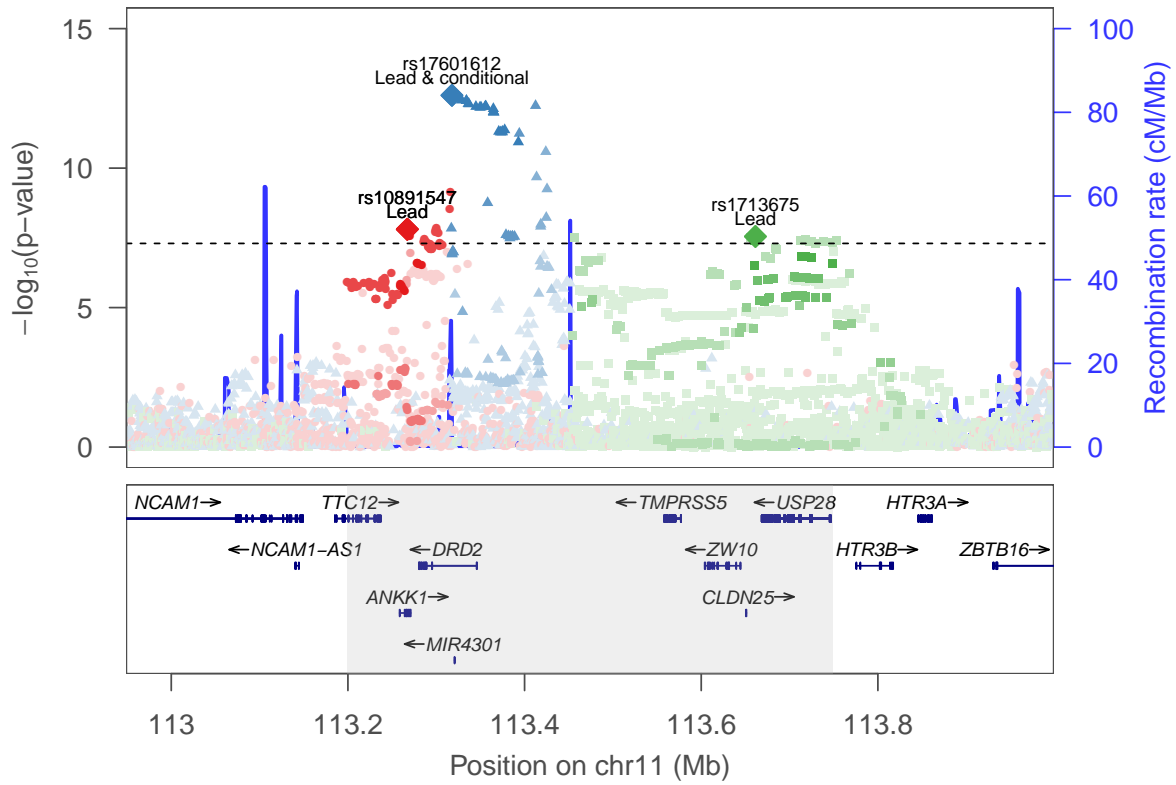
Drinks per week: locus 36 [chr 11:17.805–17.852Mb]



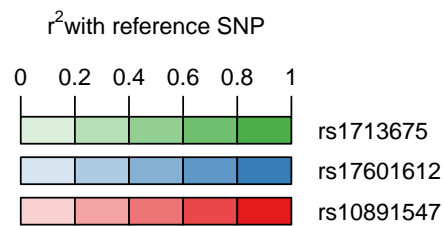
Drinks per week: locus 37 [chr 11:47.360–47.947Mb]



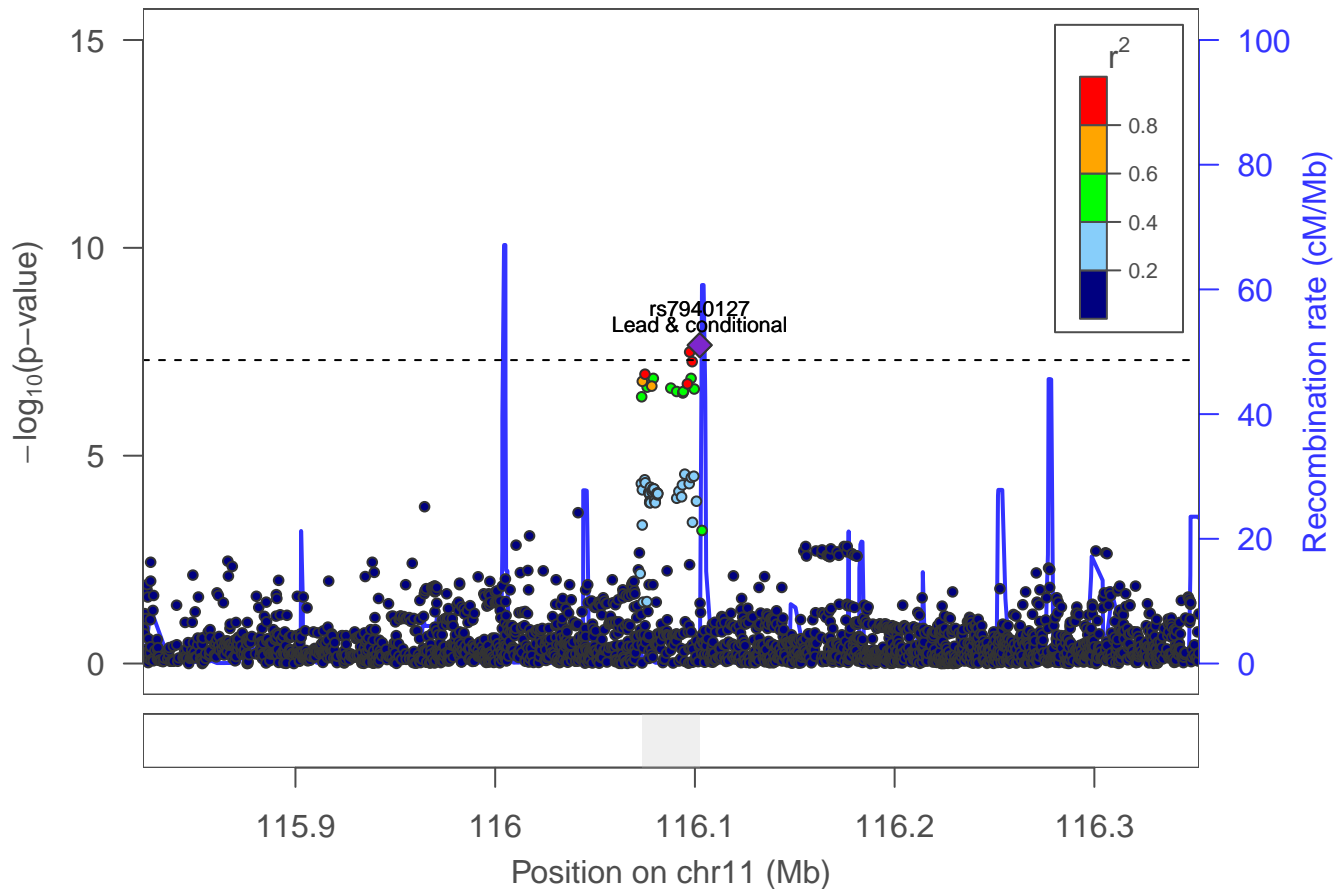
Drinks per week: Locus 38 [chr 11: 113.199–113.749Mb]



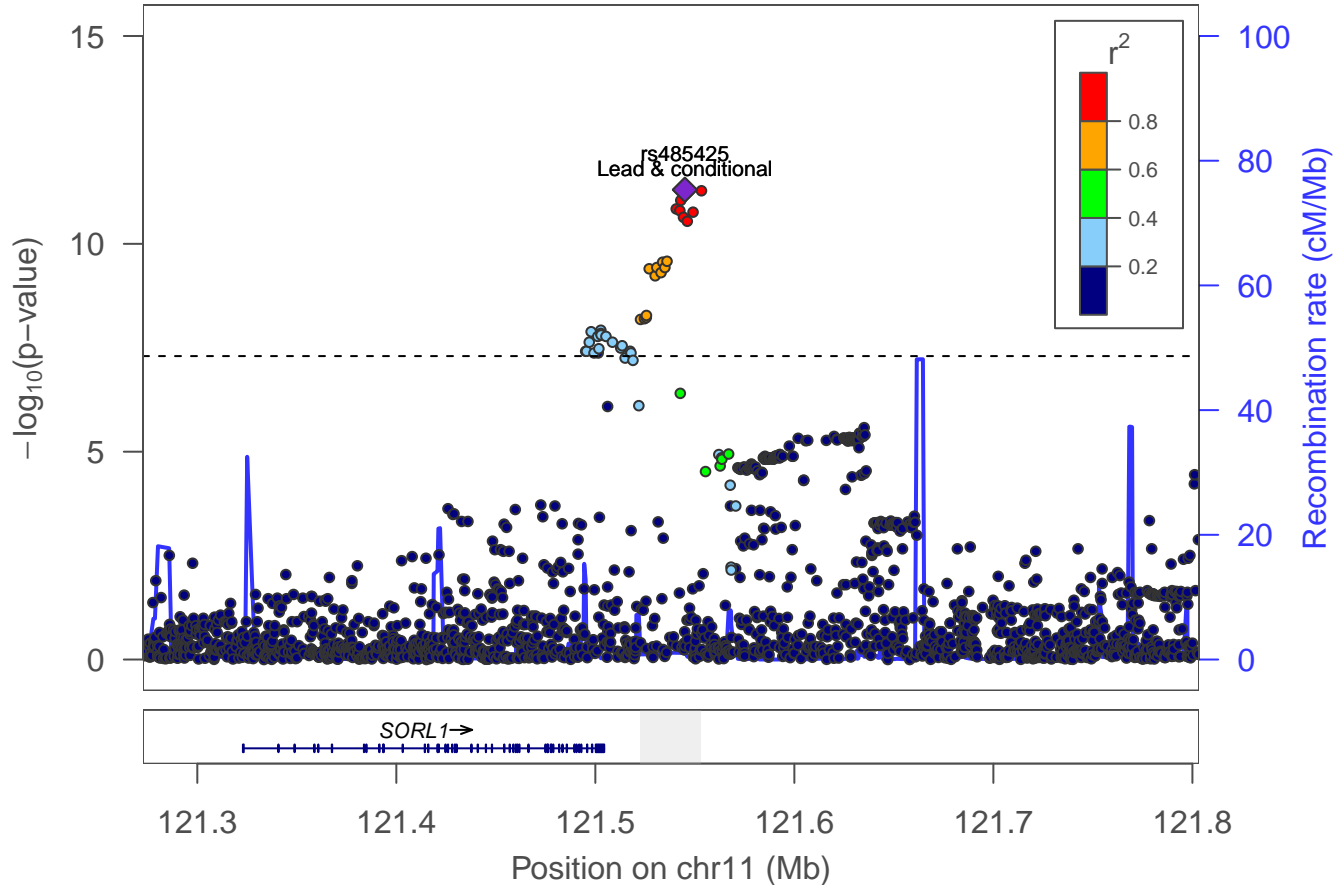
rs1713675 ■
 rs17601612 ▲
 rs10891547 ●



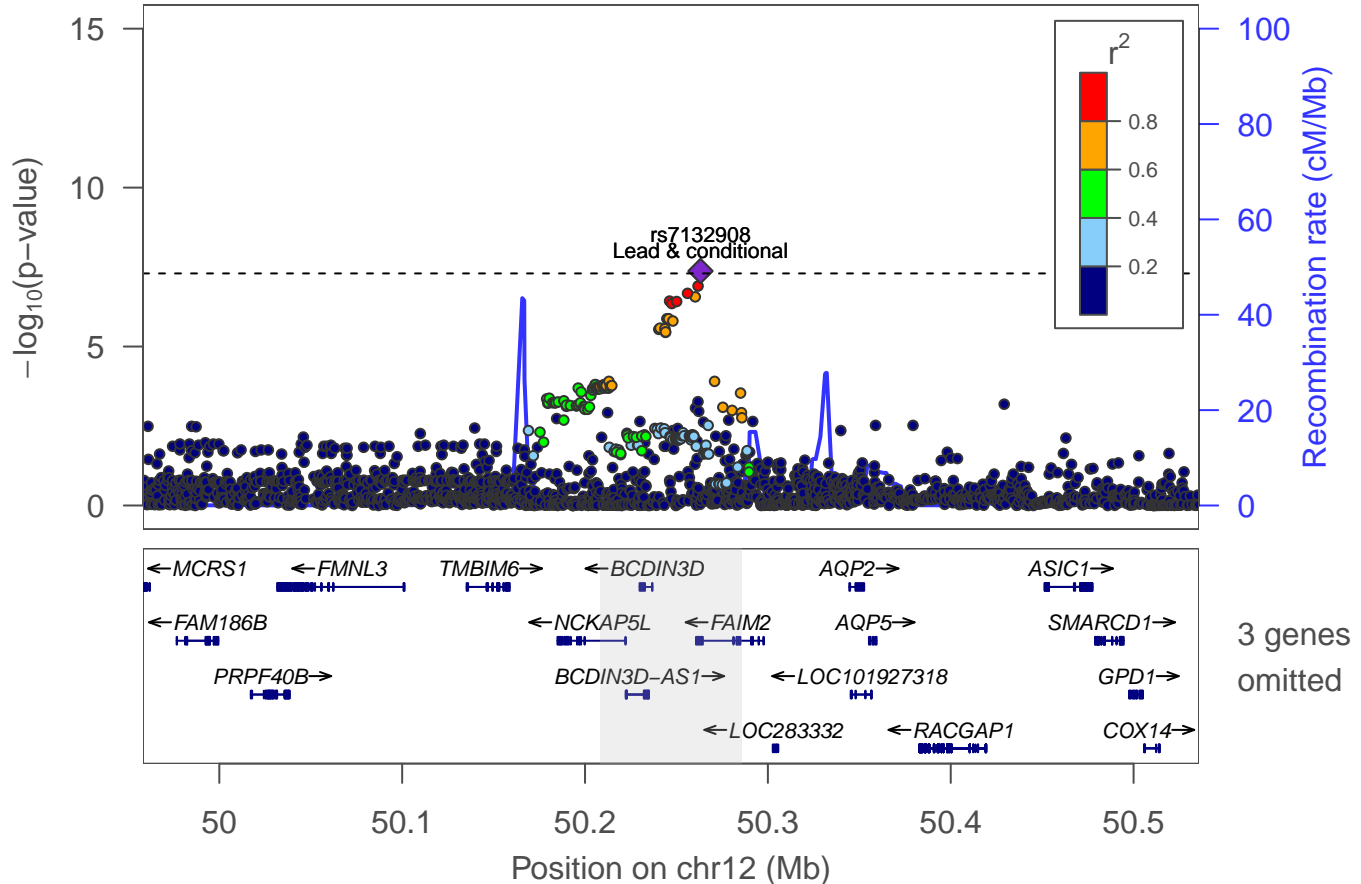
Drinks per week: locus 39 [chr 11:116.074–116.102Mb]



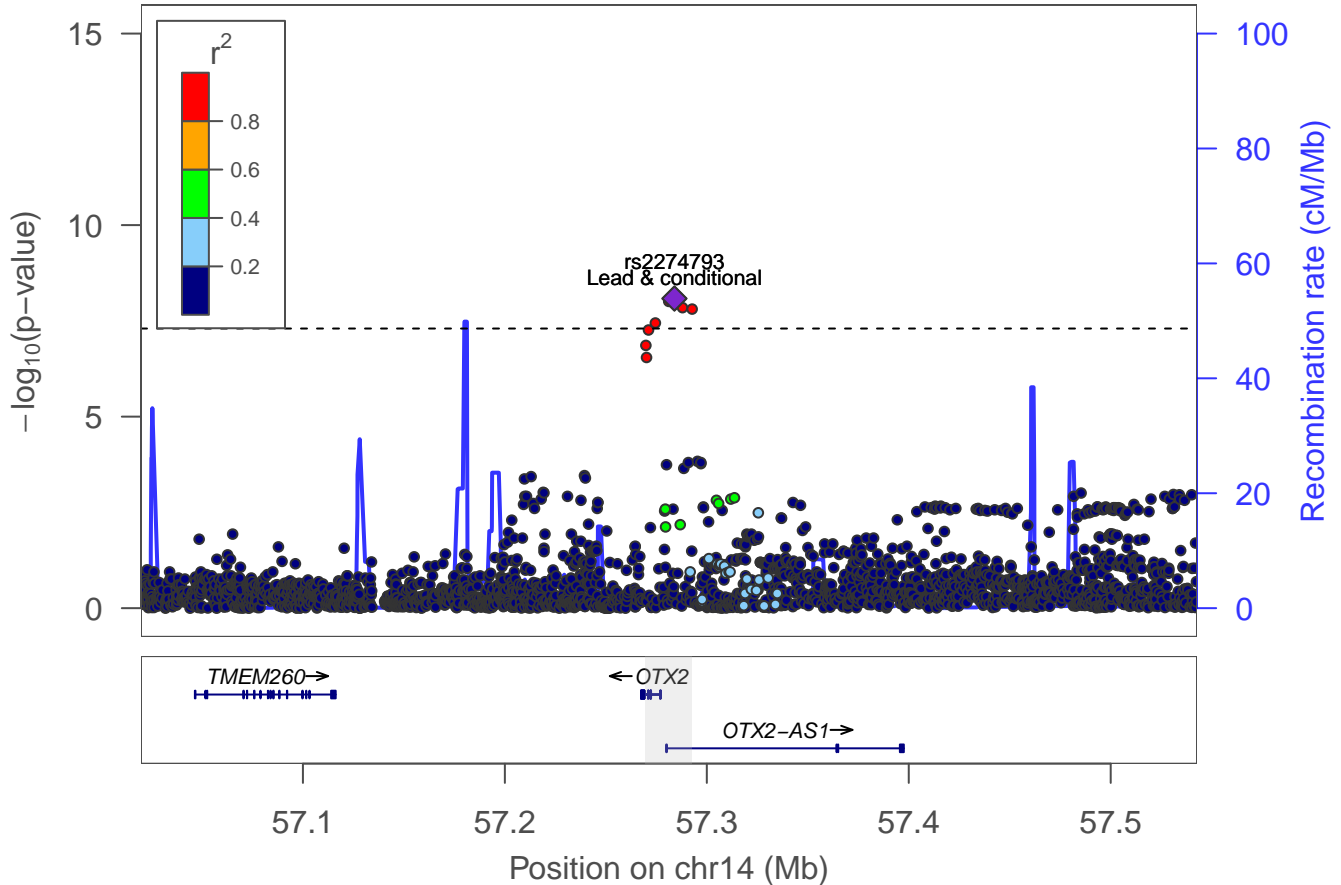
Drinks per week: locus 40 [chr 11:121.523–121.553Mb]



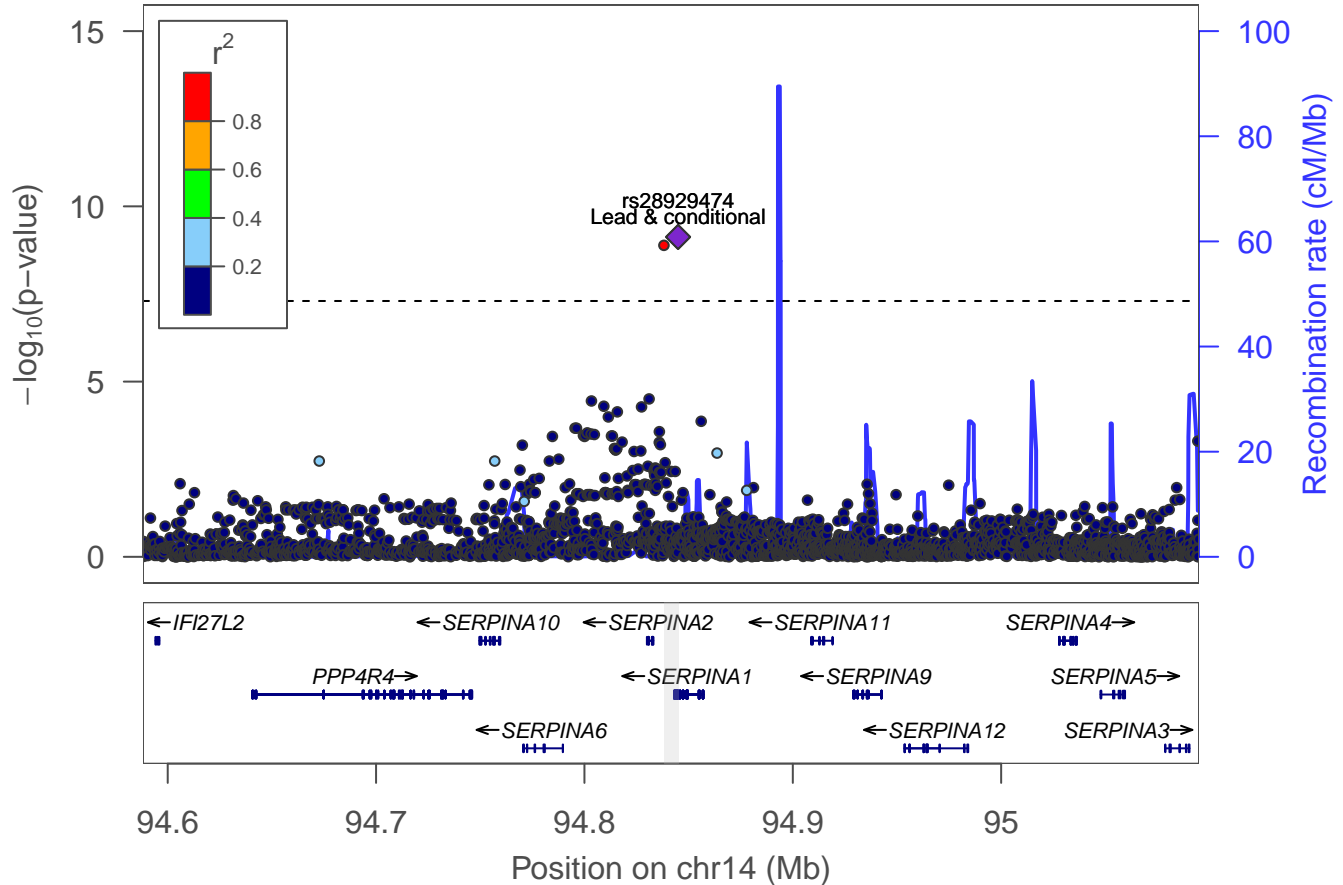
Drinks per week: locus 41 [chr 12:50.208–50.286Mb]



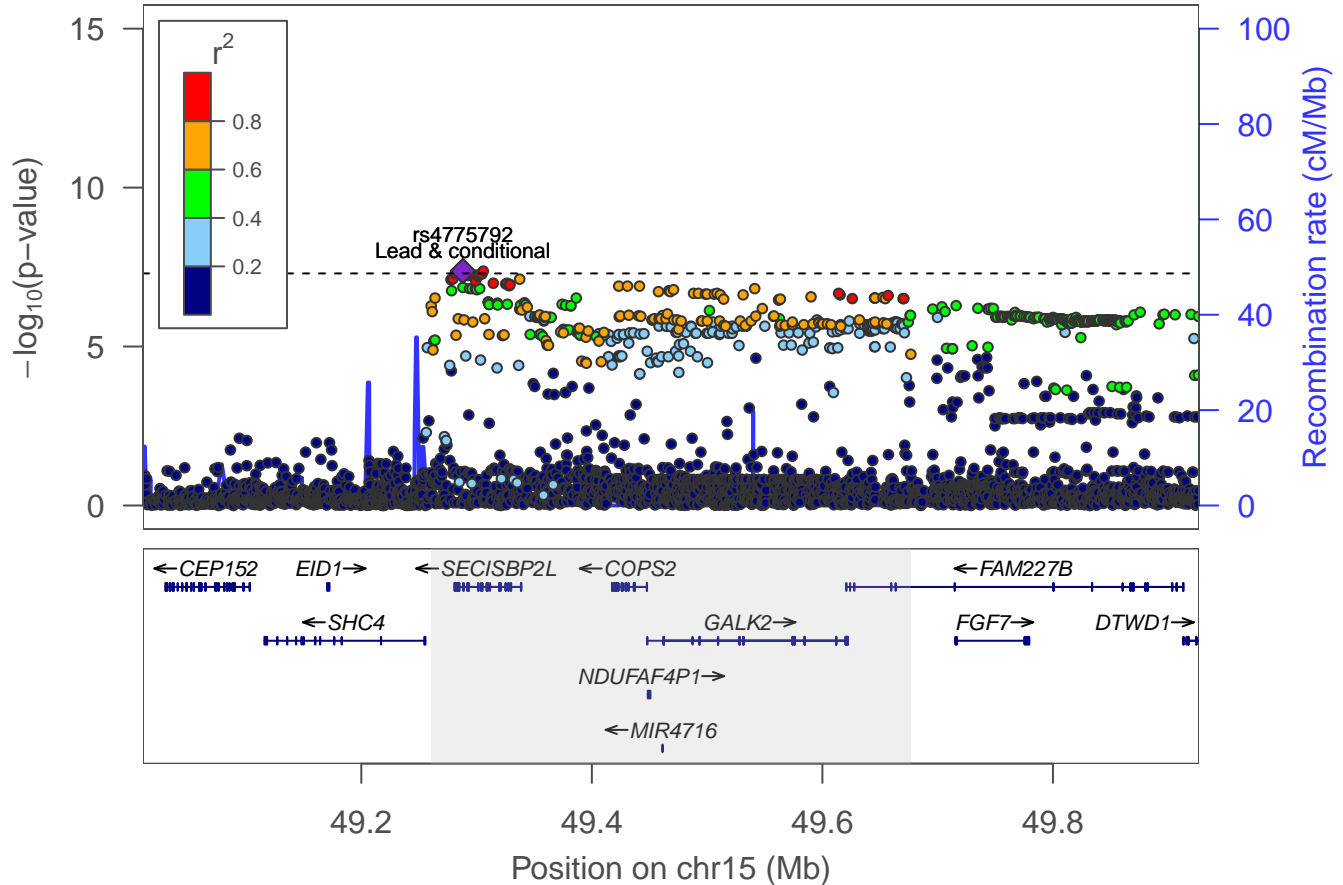
Drinks per week: locus 42 [chr 14:57.270–57.293Mb]



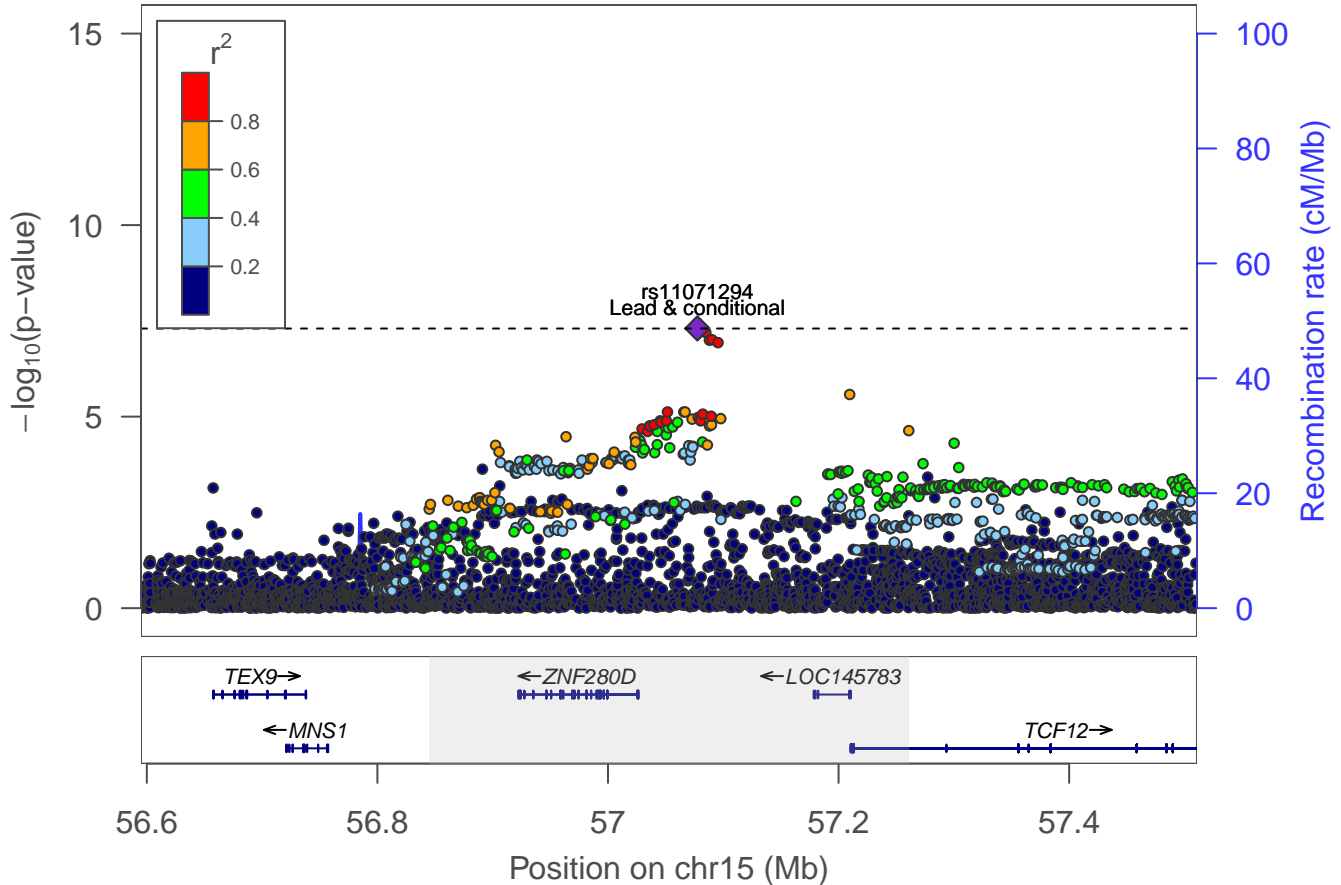
Drinks per week: locus 43 [chr 14:94.838–94.845Mb]



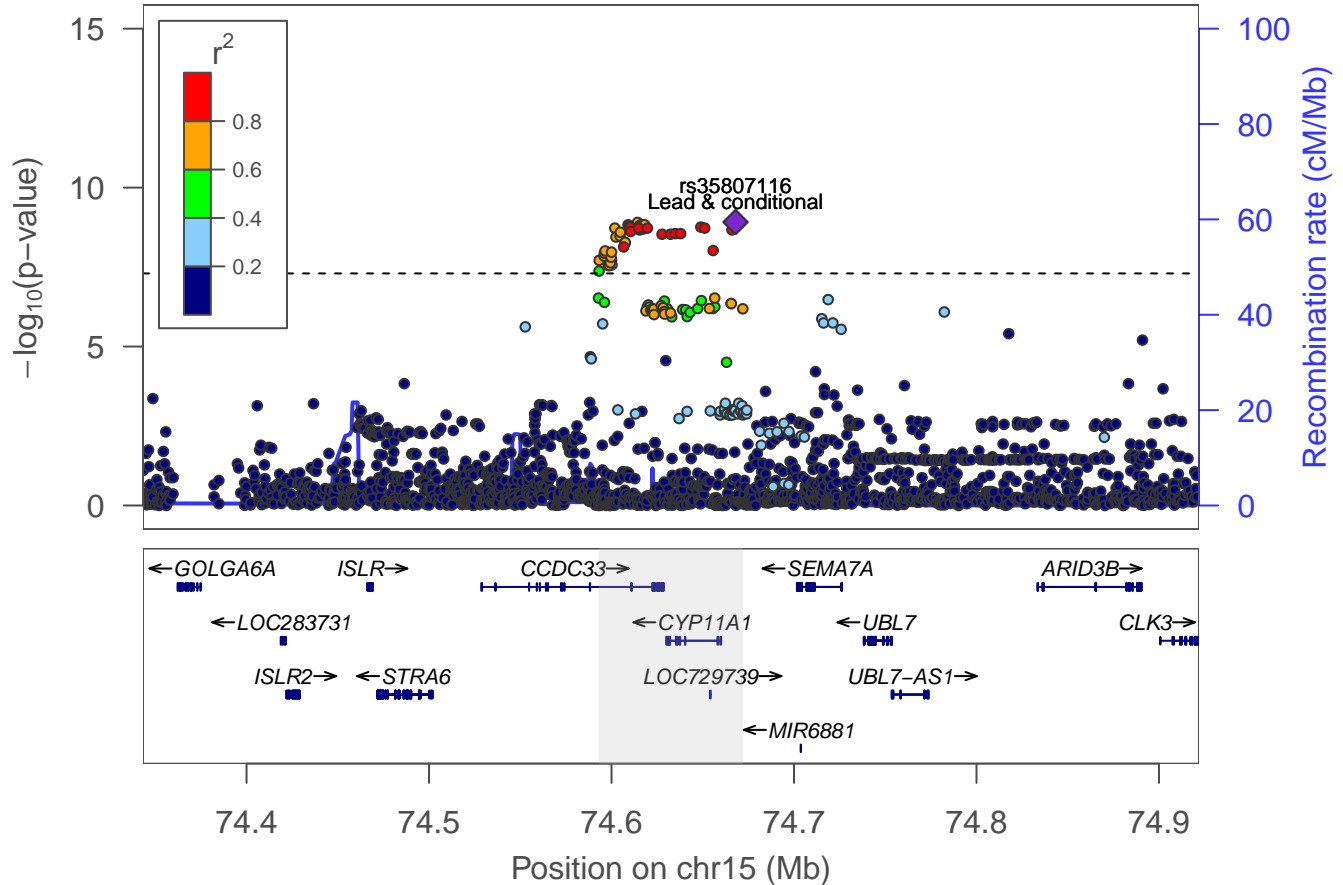
Drinks per week: locus 44 [chr 15:49.261–49.677Mb]



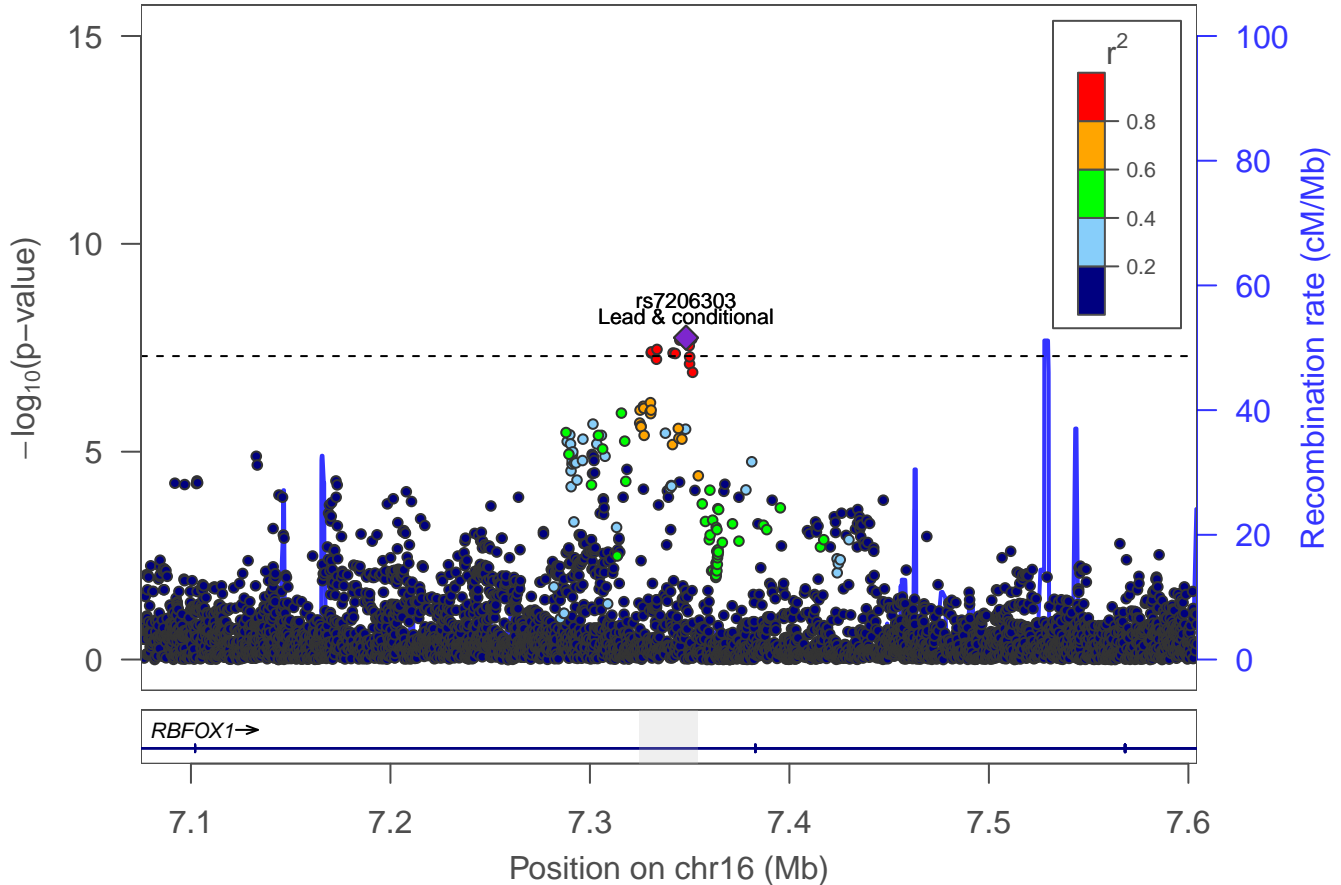
Drinks per week: locus 45 [chr 15:56.845–57.261Mb]



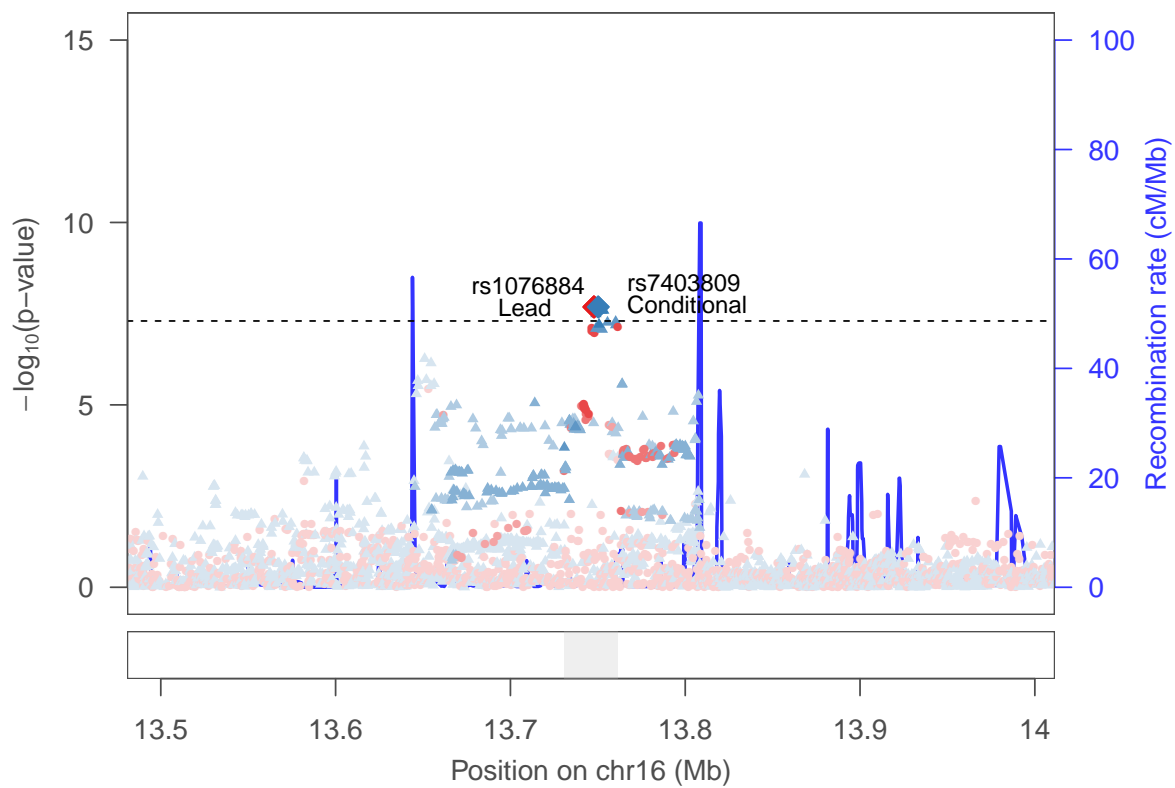
Drinks per week: locus 46 [chr 15:74.593–74.672Mb]



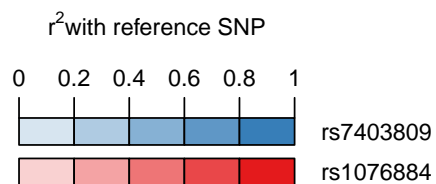
Drinks per week: locus 47 [chr 16:7.325–7.354Mb]



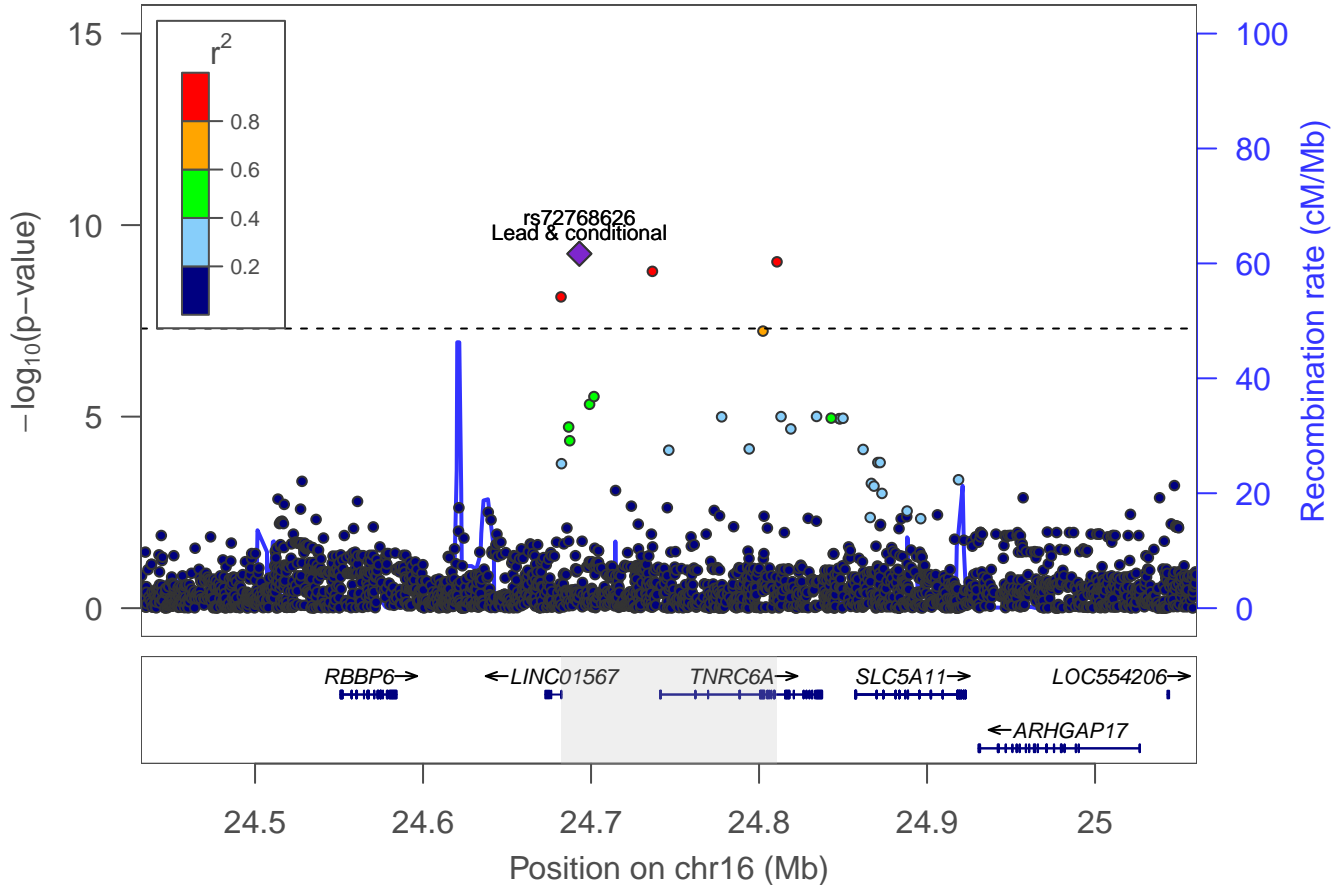
Drinks per week: Locus 48 [chr 16: 13.731–13.761Mb]



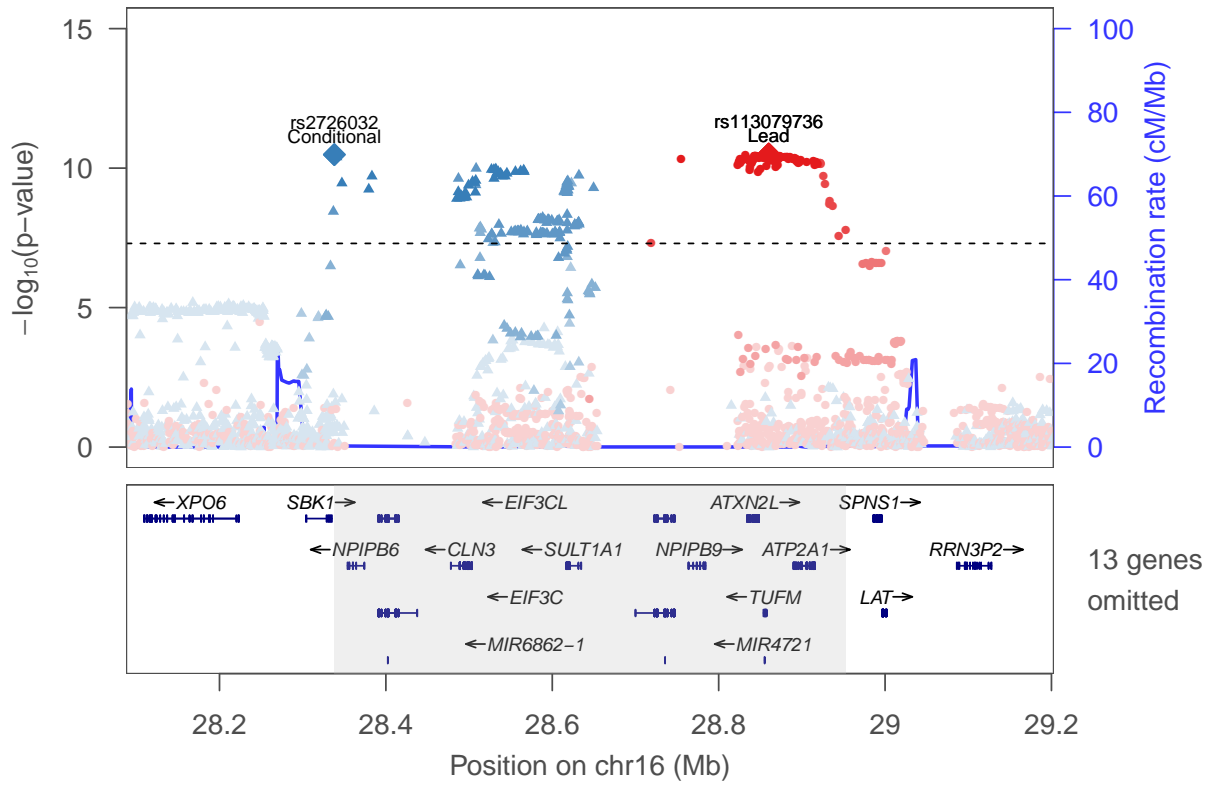
rs7403809 ▲
rs1076884 ●



Drinks per week: locus 49 [chr 16:24.682–24.811Mb]



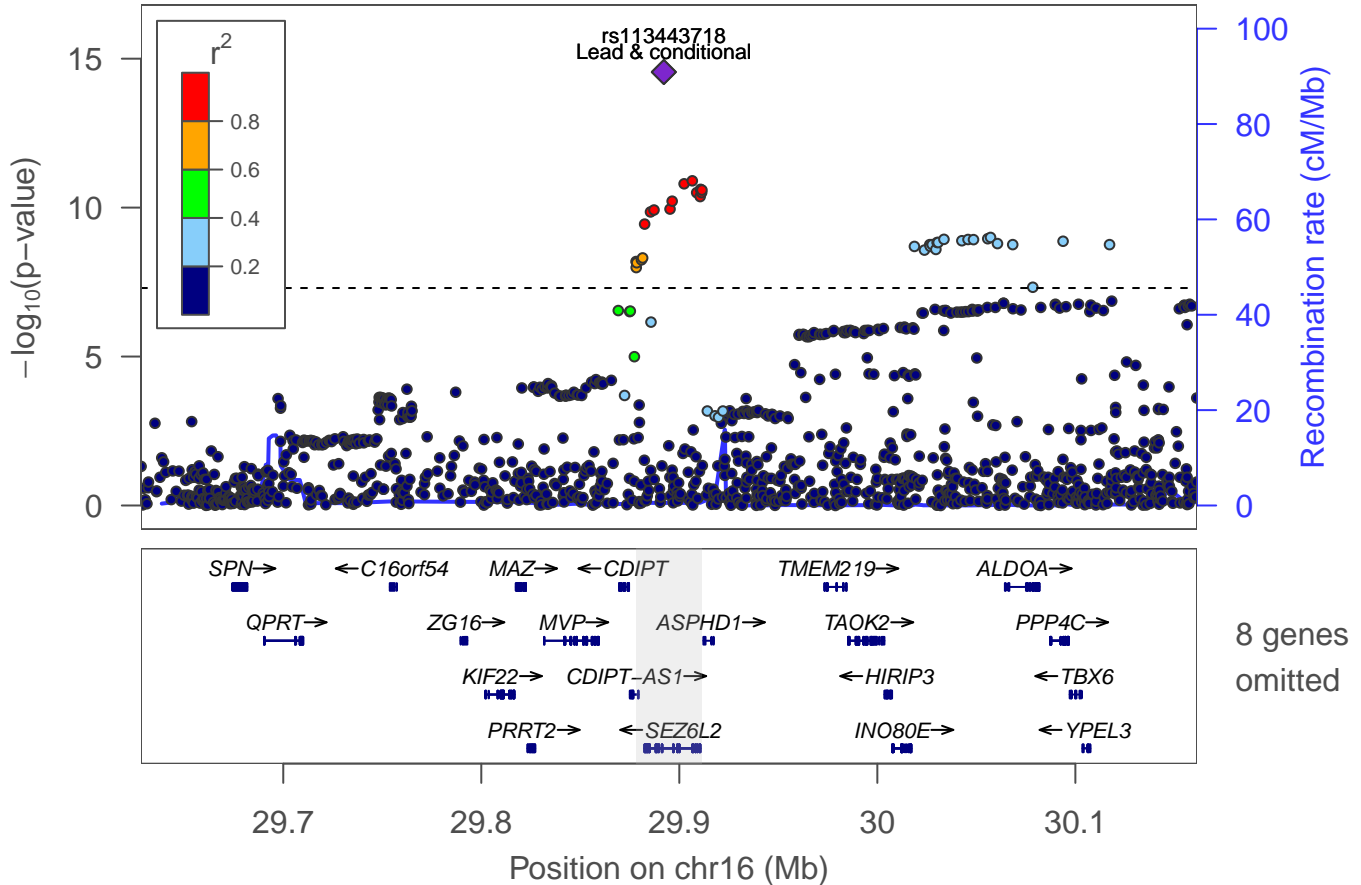
Drinks per week: Locus 50 [chr 16: 28.338–28.953Mb]



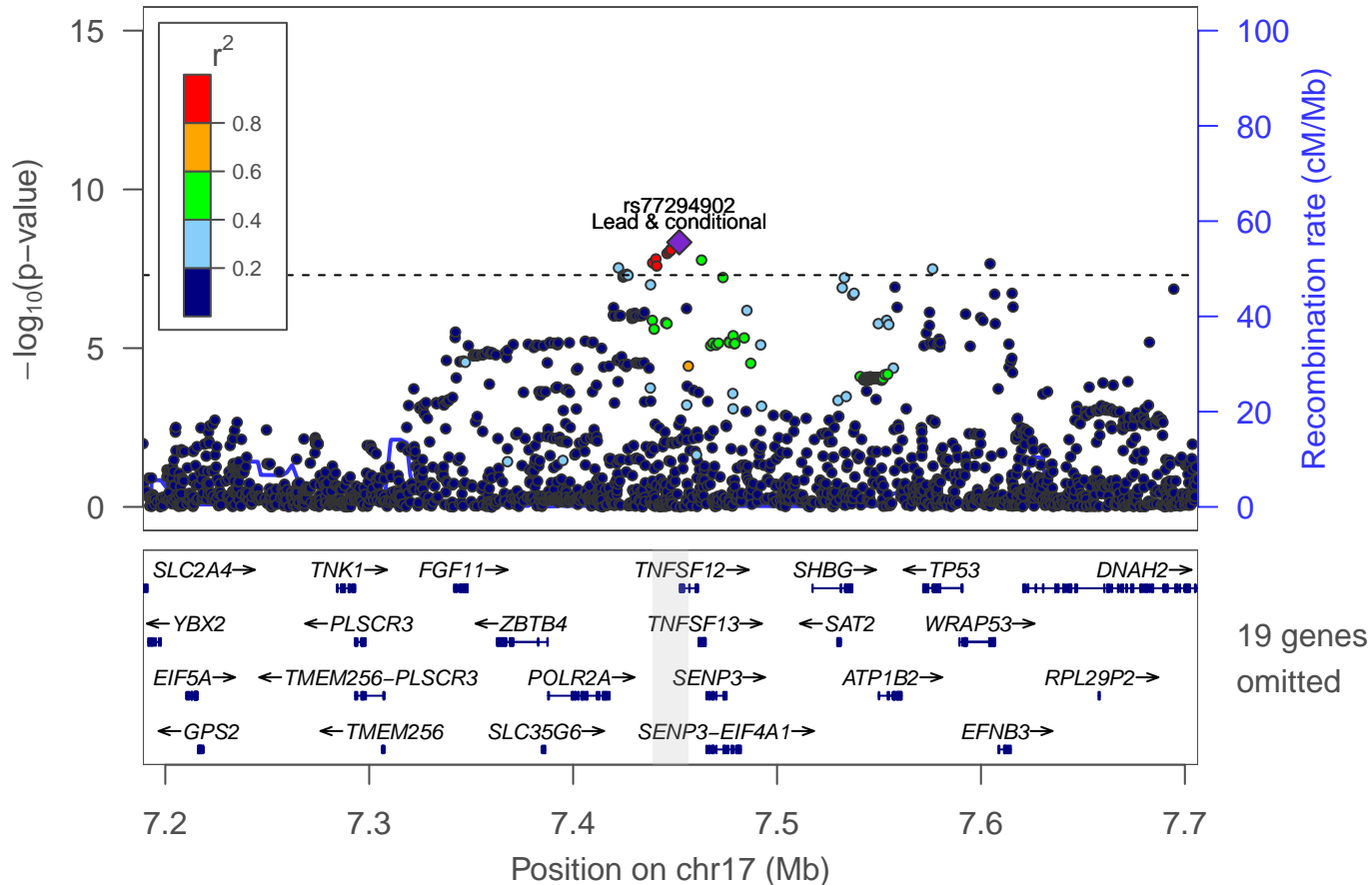
rs2726032 ▲
 rs113079736 ●



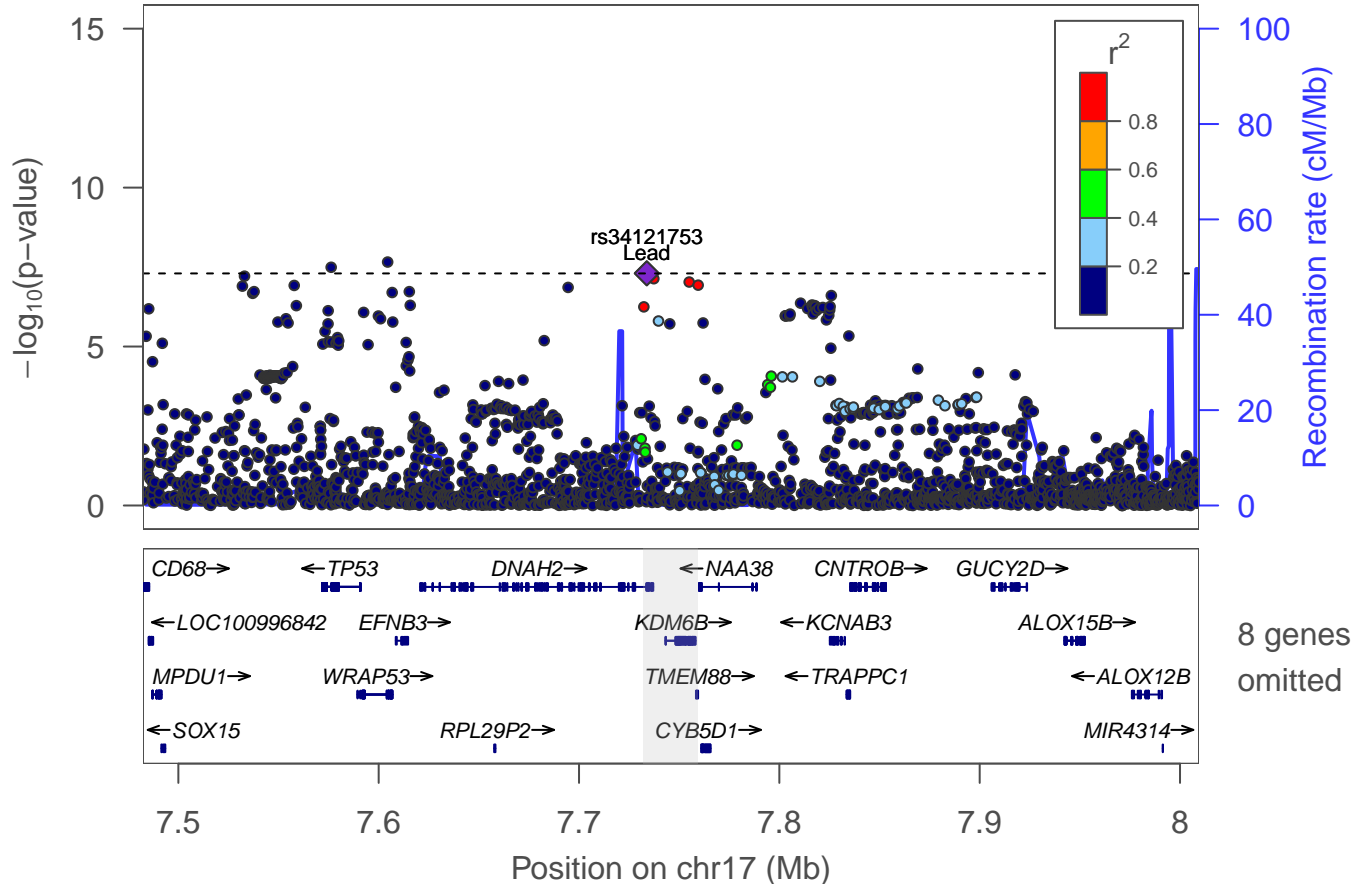
Drinks per week: locus 51 [chr 16:29.878–29.911Mb]



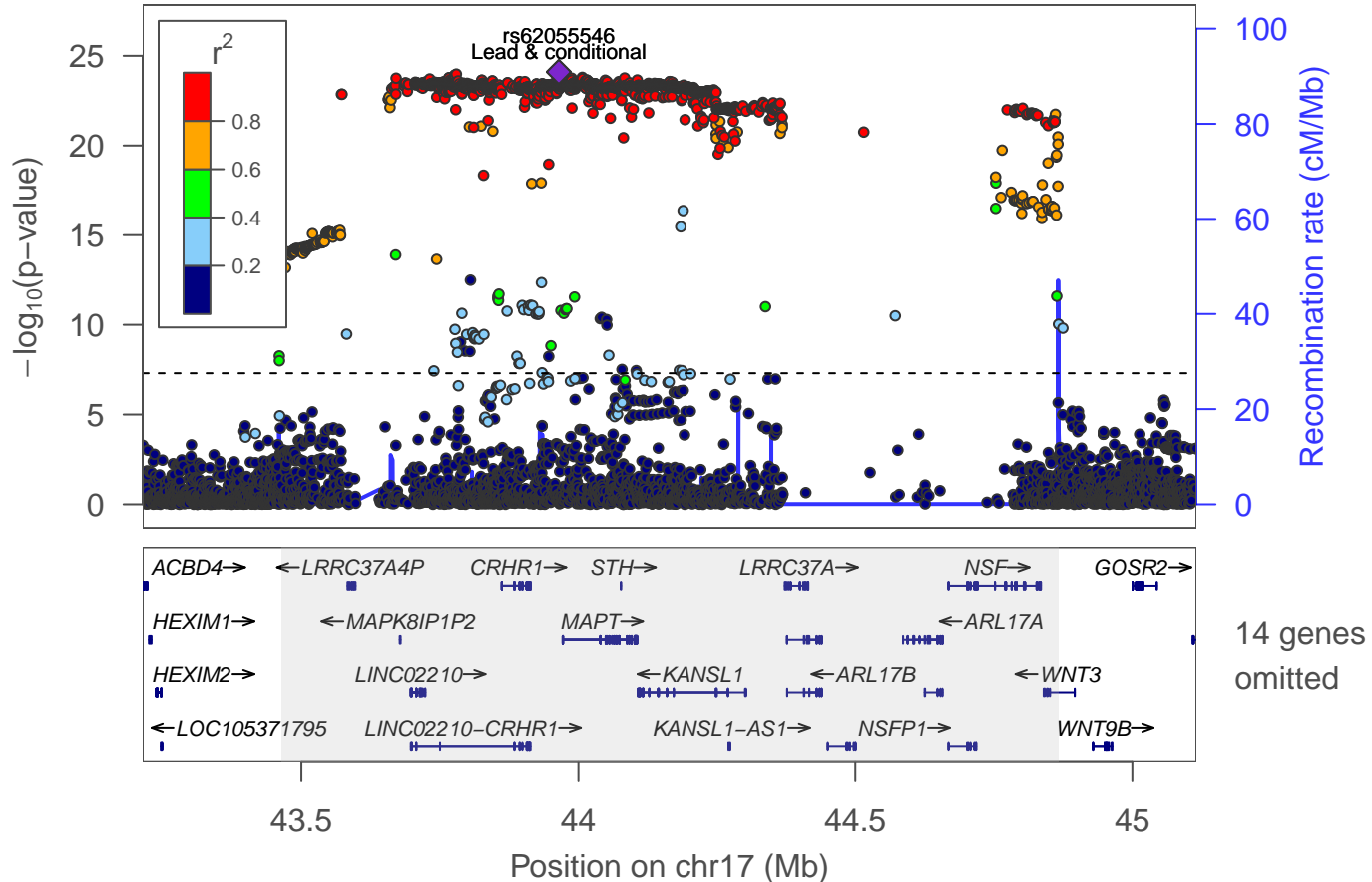
Drinks per week: locus 52 [chr 17:7.439–7.456Mb]



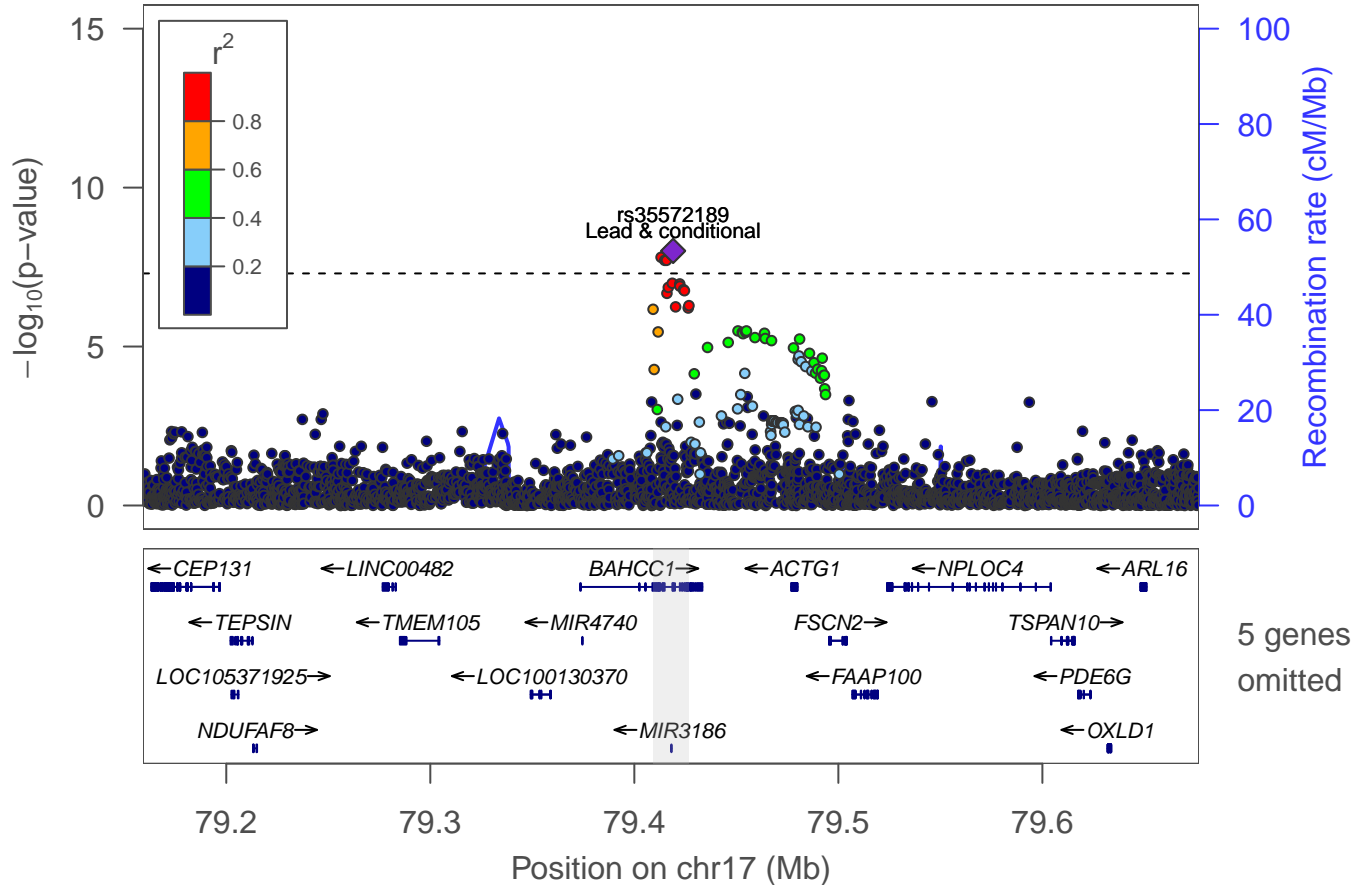
Drinks per week: locus 53 [chr 17:7.732–7.759Mb]



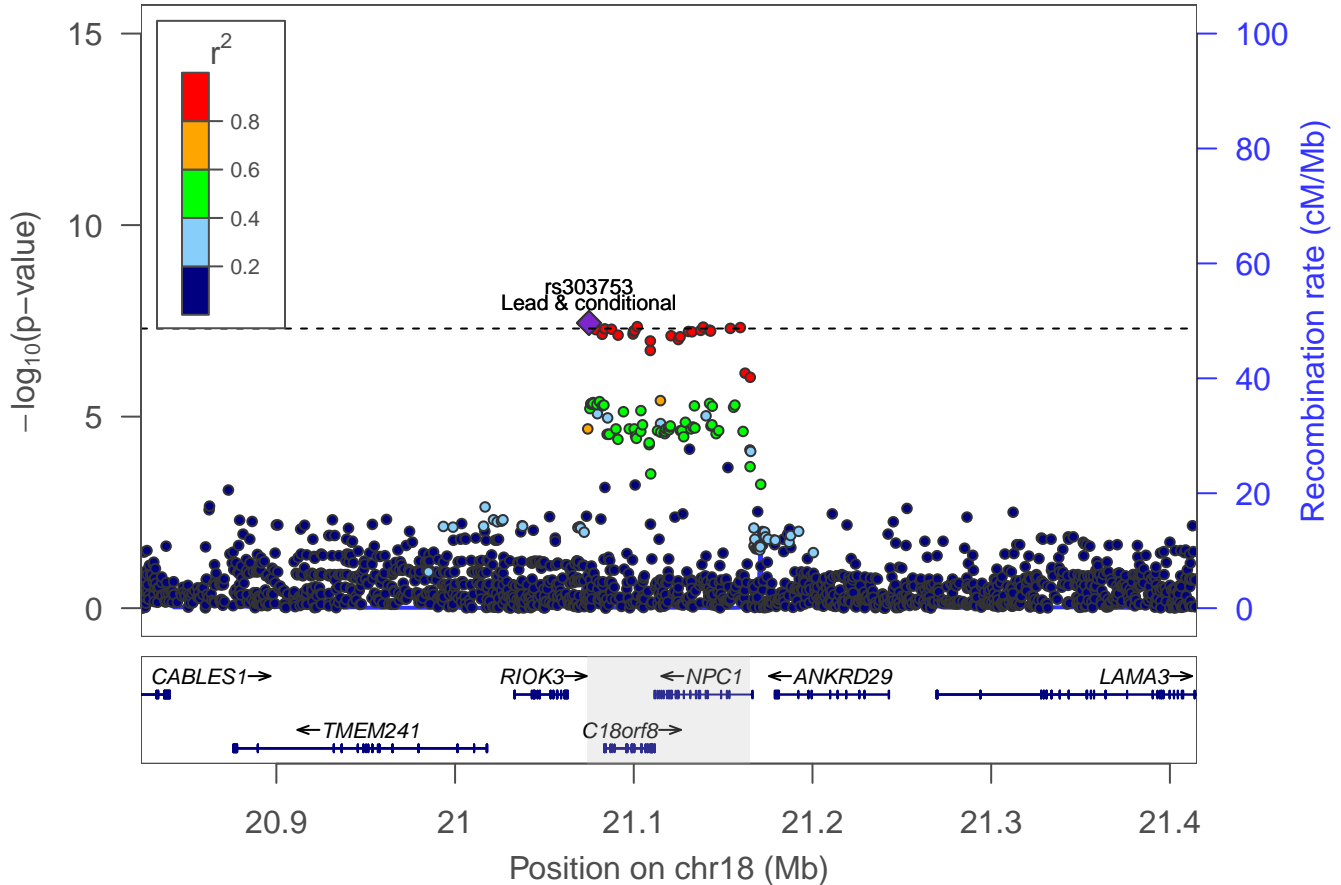
Drinks per week: locus 54 [chr 17:43.463–44.866Mb]



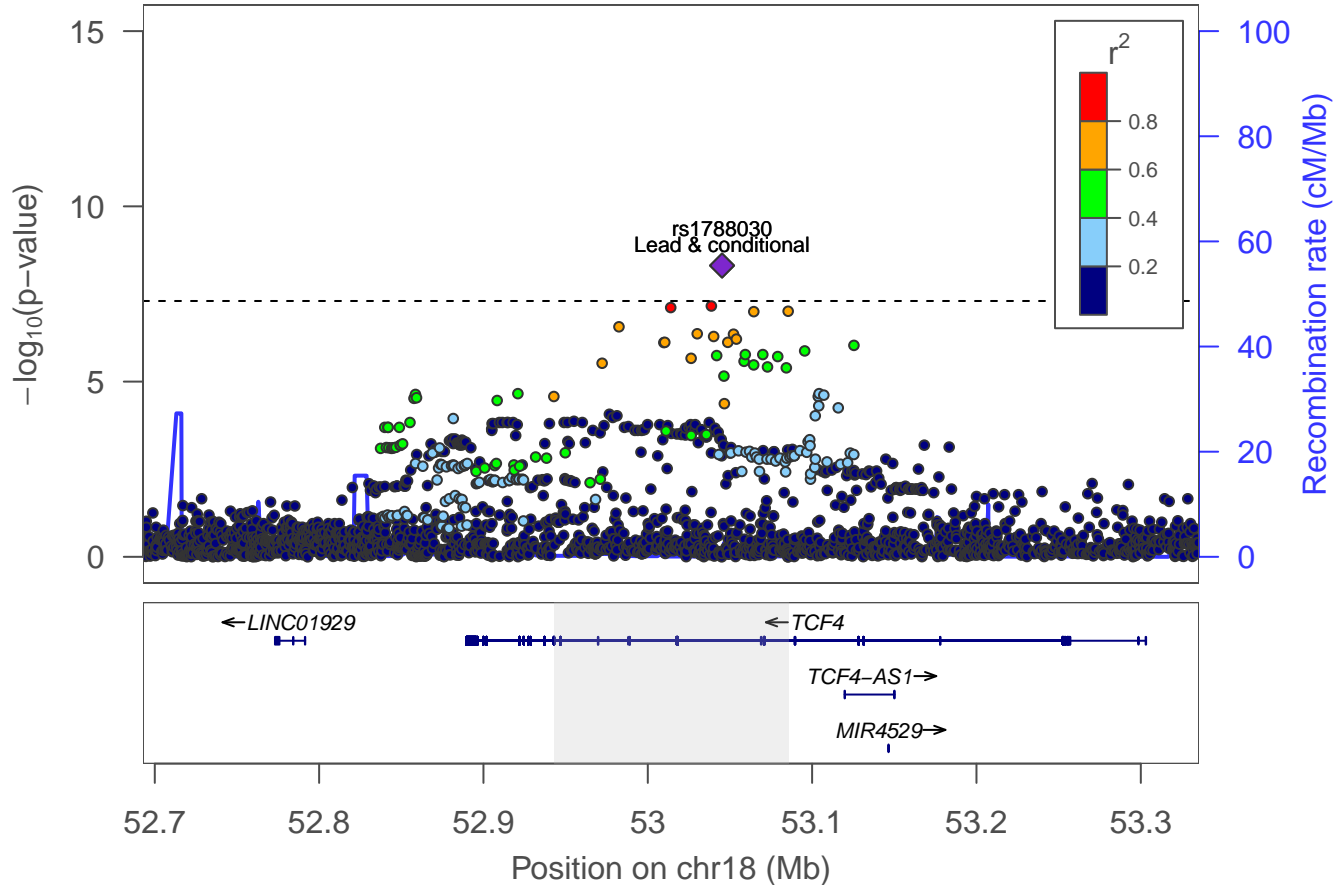
Drinks per week: locus 55 [chr 17:79.409–79.427Mb]



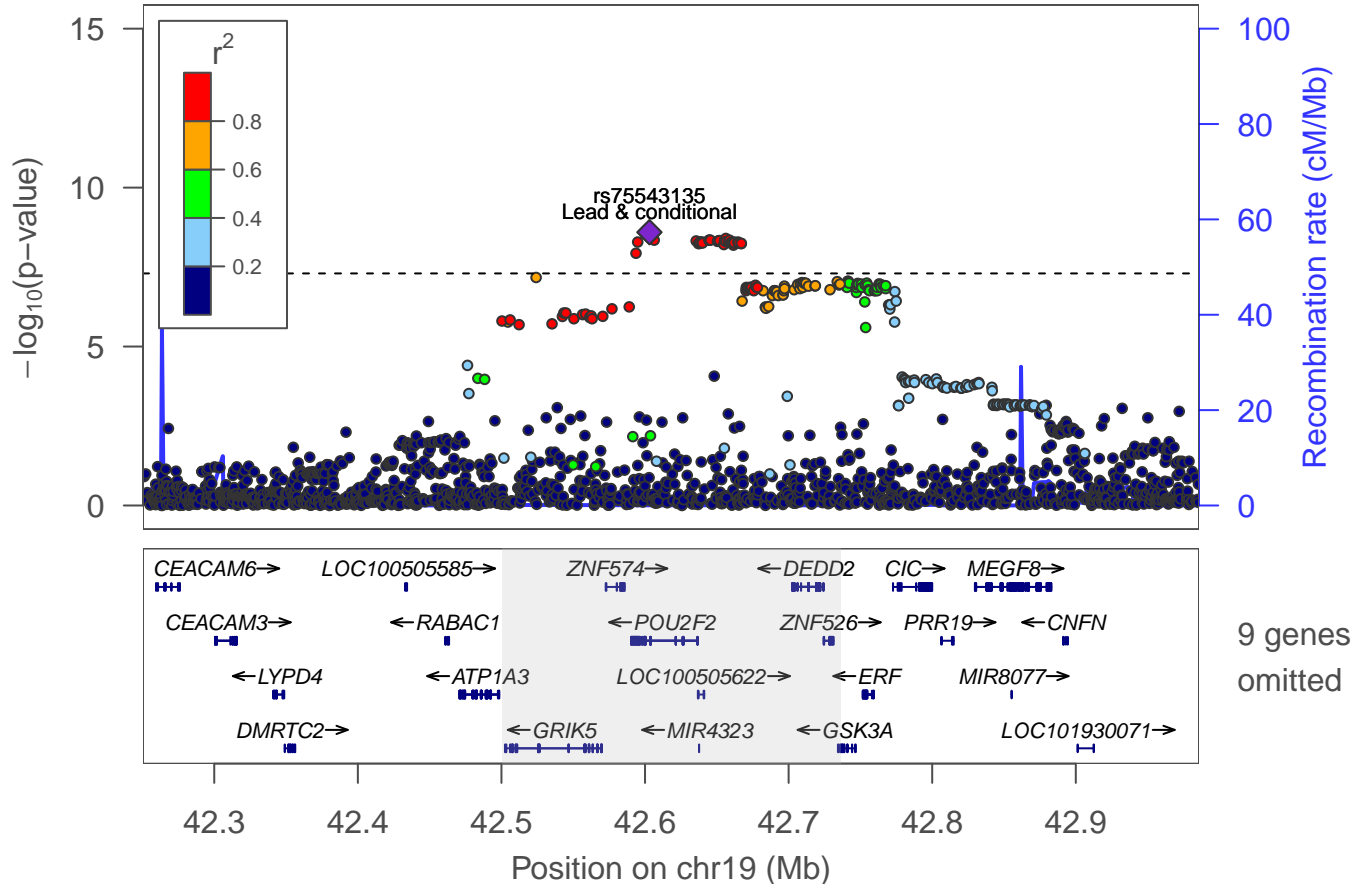
Drinks per week: locus 56 [chr 18:21.074–21.165Mb]



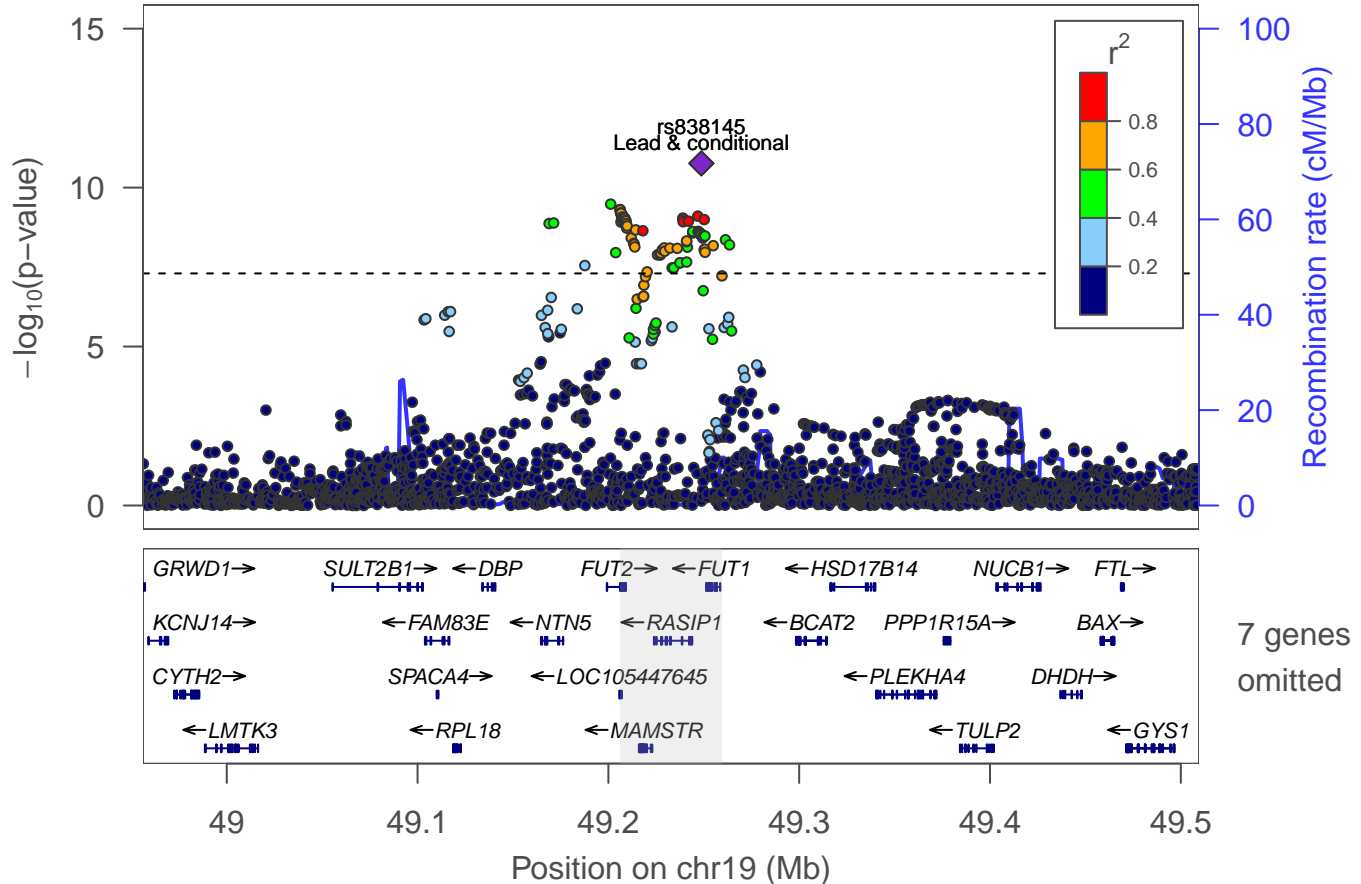
Drinks per week: locus 57 [chr 18:52.943–53.085Mb]



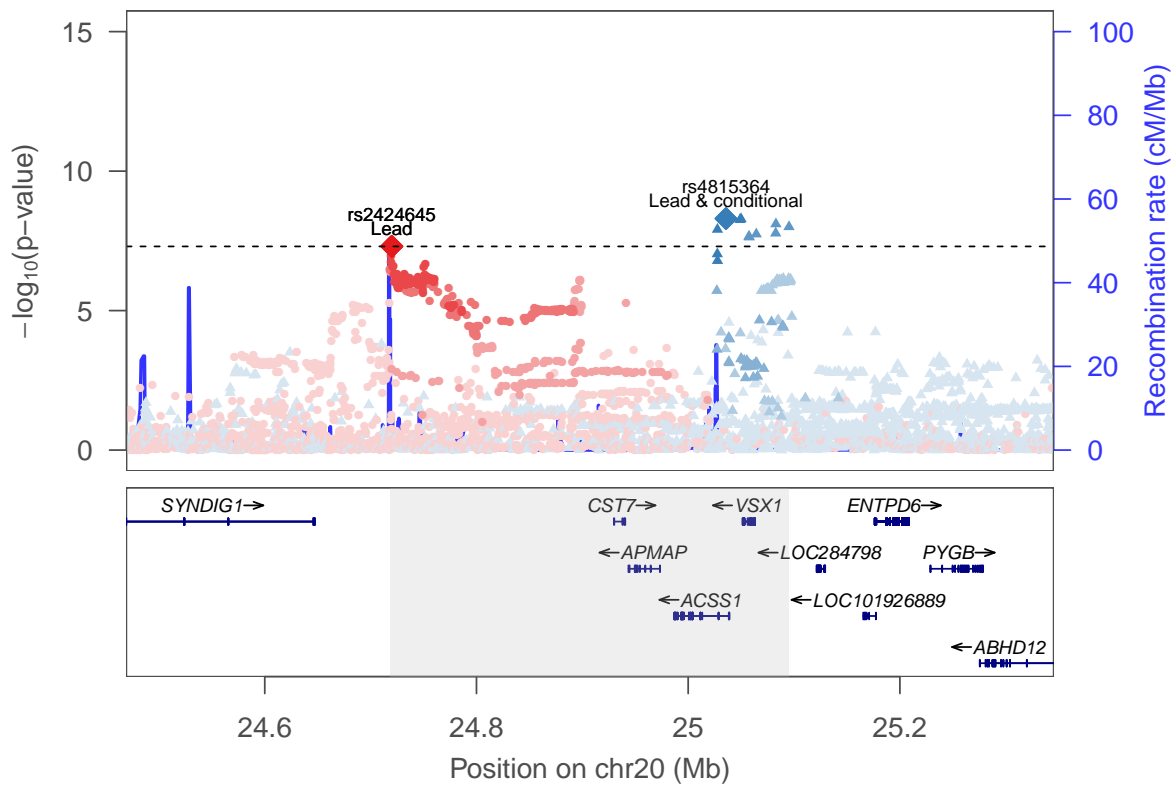
Drinks per week: locus 58 [chr 19:42.500–42.736Mb]



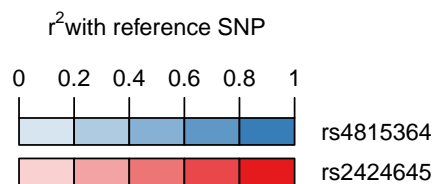
Drinks per week: locus 59 [chr 19:49.206–49.260Mb]



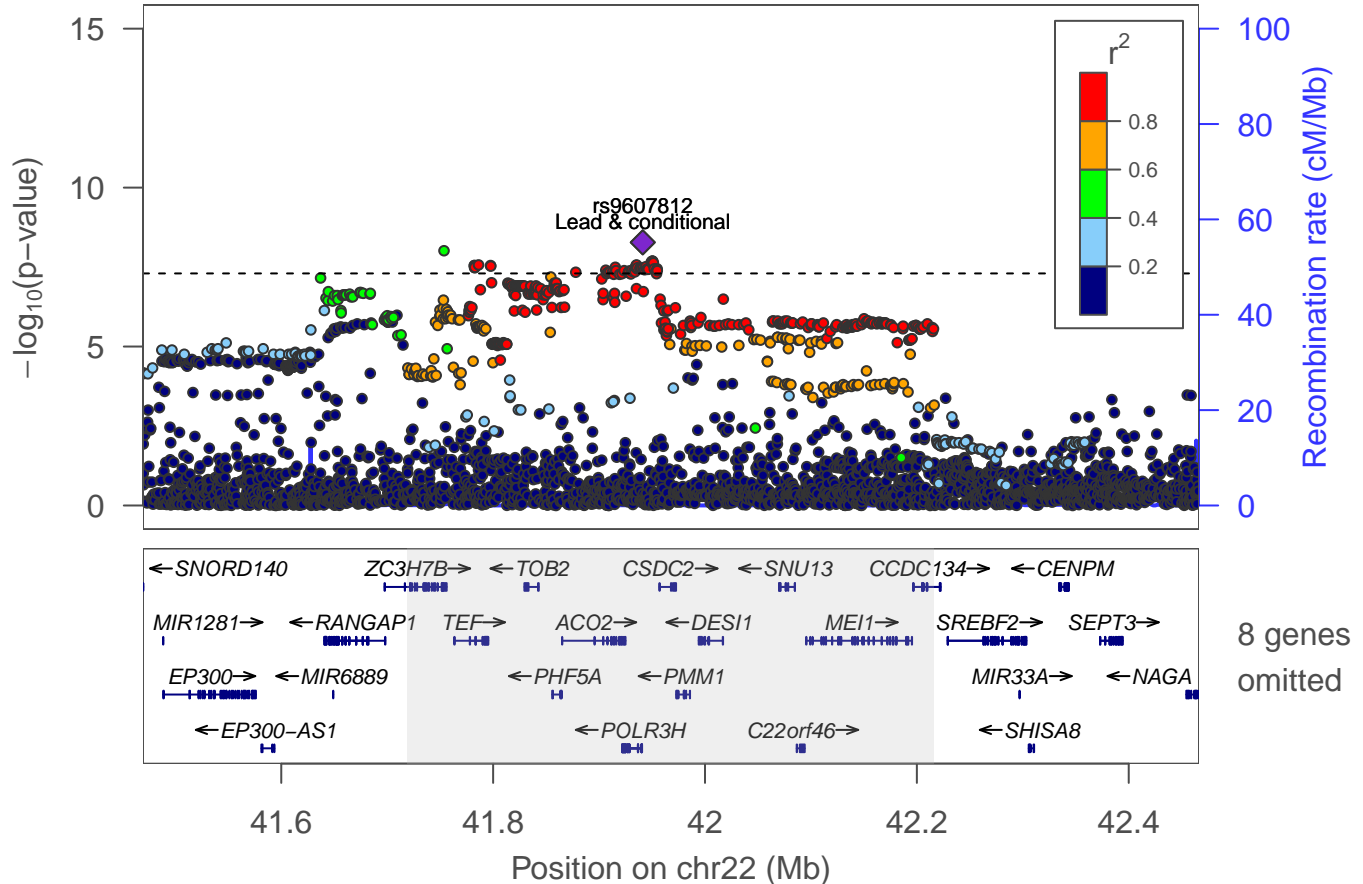
Drinks per week: Locus 60 [chr 20: 24.719–25.095Mb]



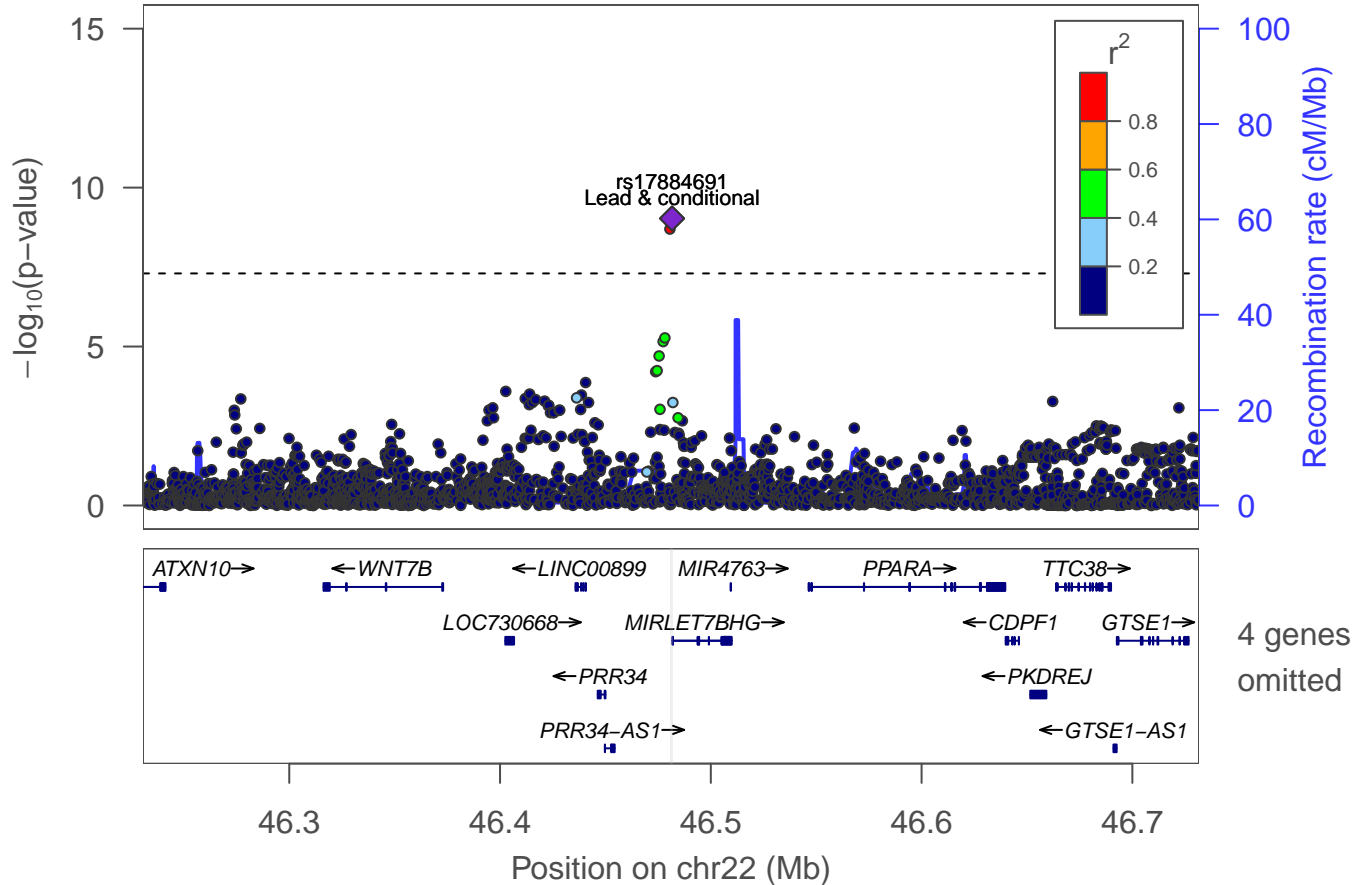
rs4815364 ▲
rs2424645 ●



Drinks per week: locus 61 [chr 22:41.719–42.216Mb]

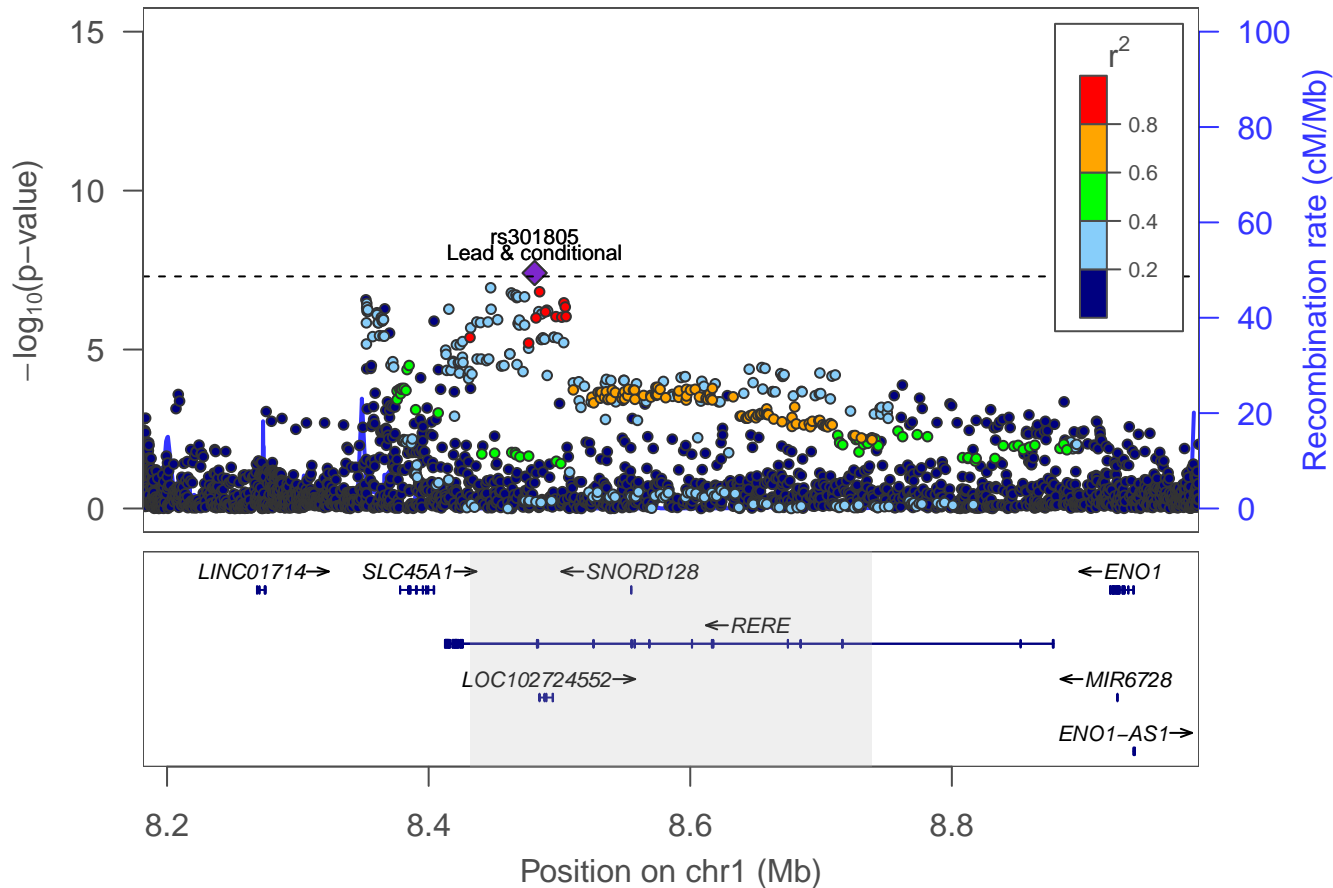


Drinks per week: locus 62 [chr 22:46.481–46.482Mb]

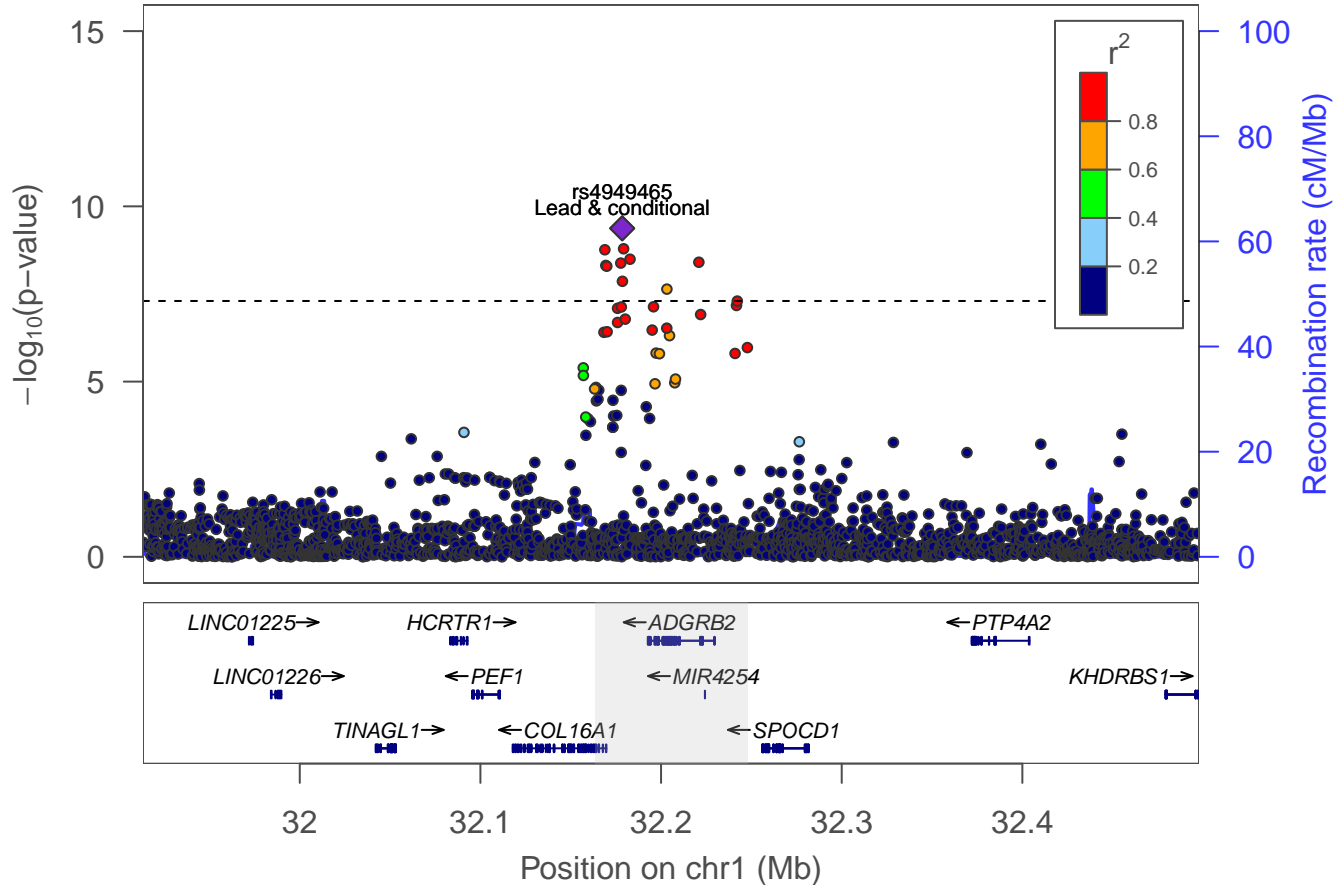


LocusZoom plots for the 183 loci identified
in the GWAS of ever smoker

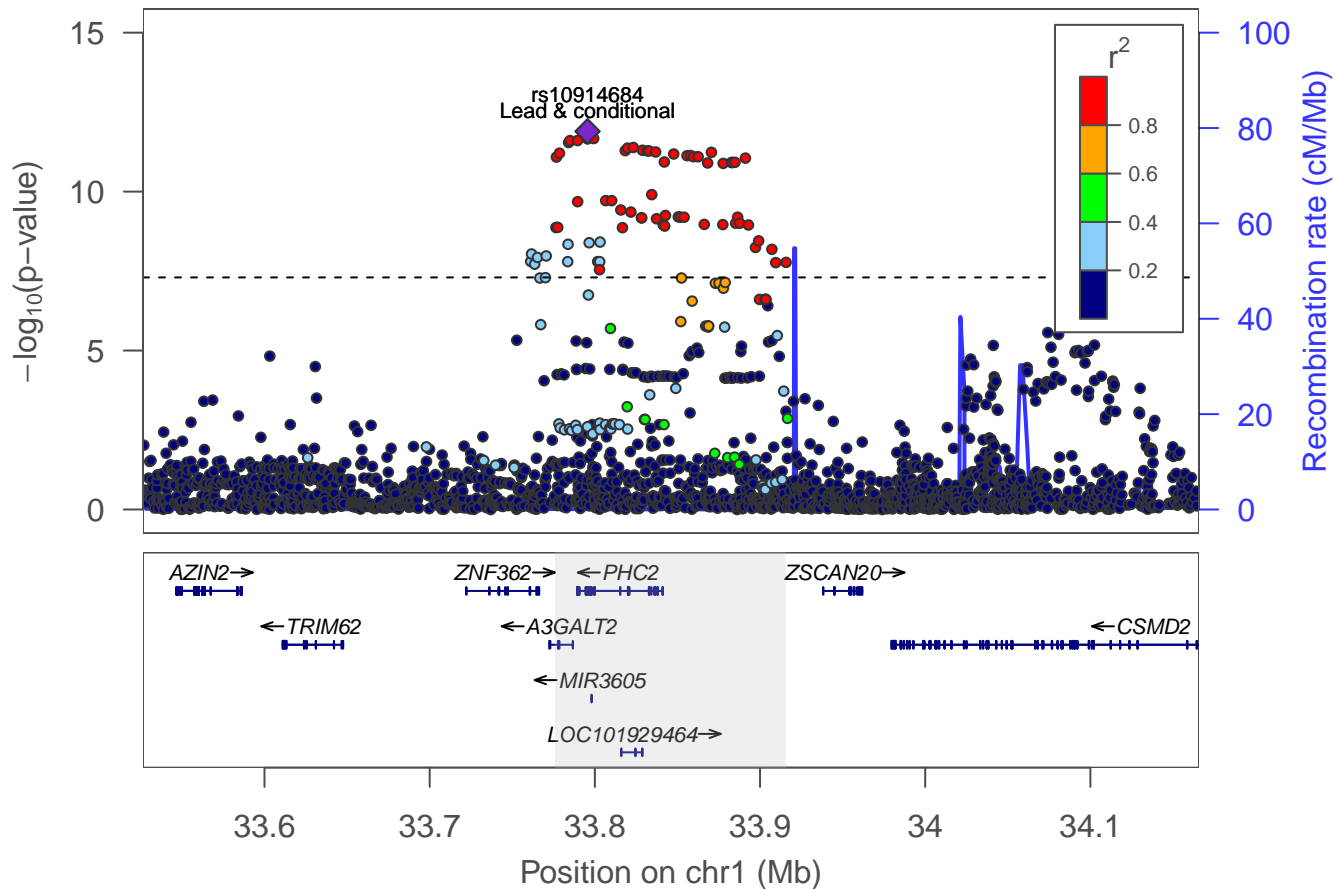
Ever smoker: locus 1 [chr 1:8.432–8.739Mb]



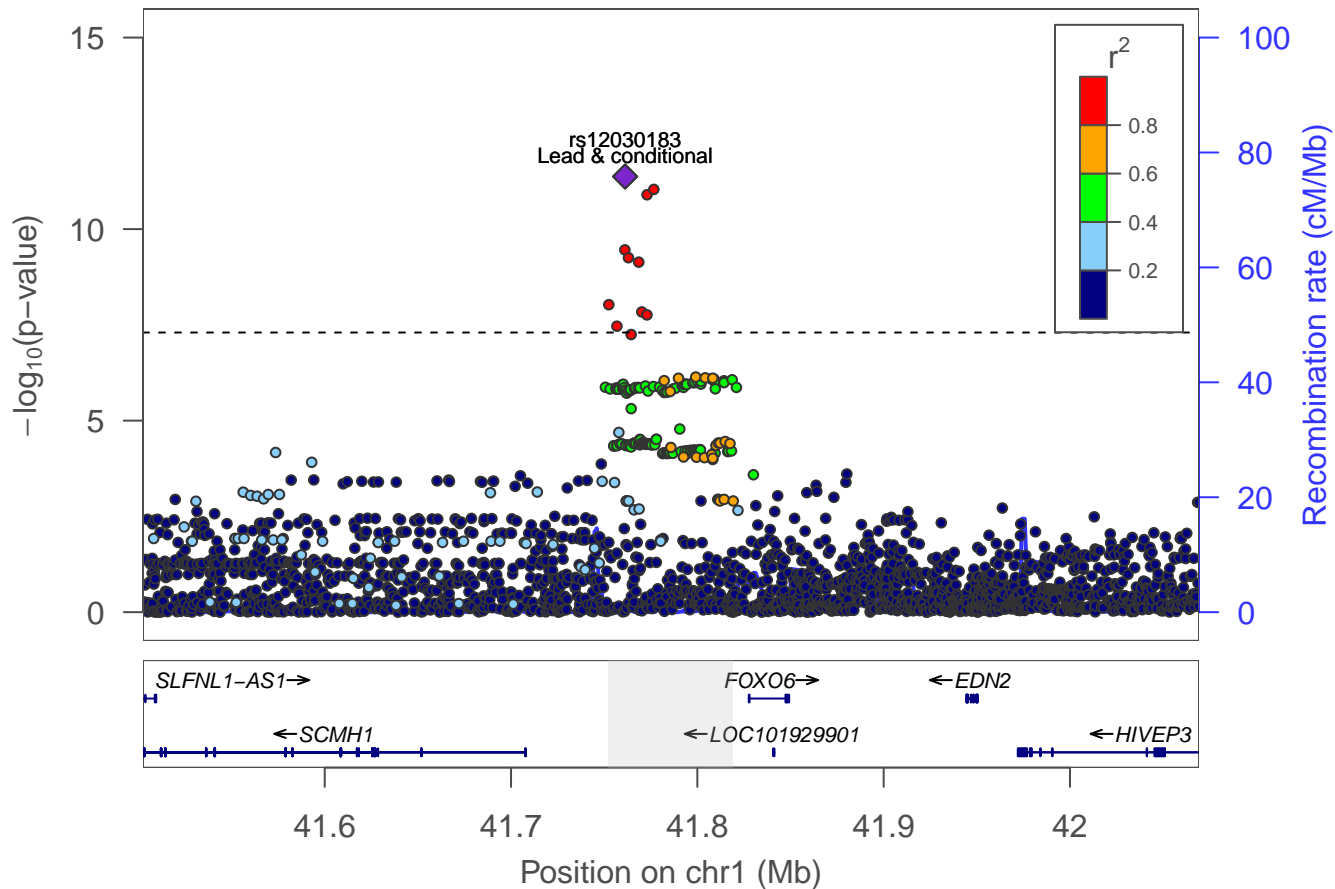
Ever smoker: locus 2 [chr 1:32.163–32.248Mb]



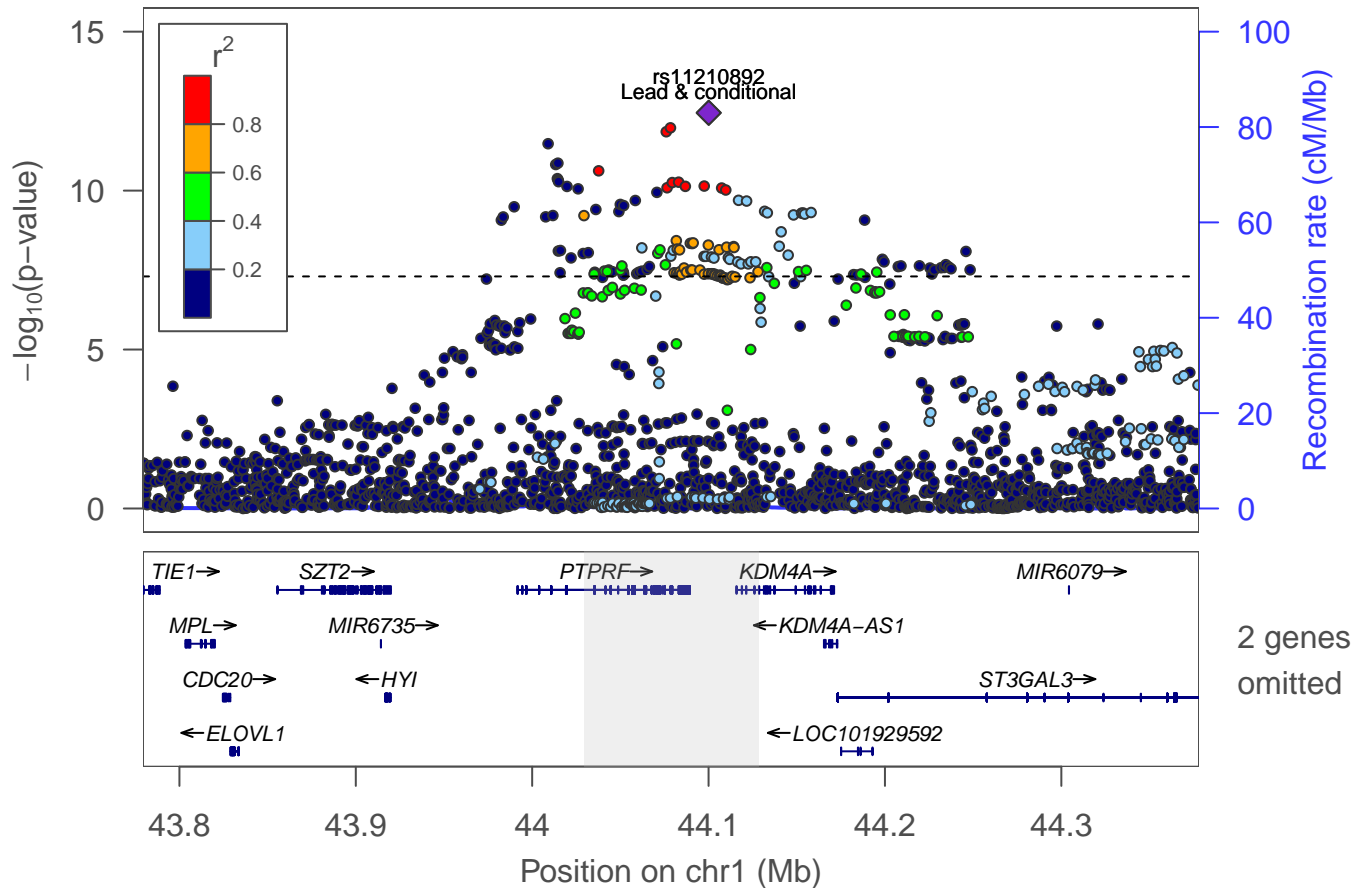
Ever smoker: locus 3 [chr 1:33.776–33.916Mb]



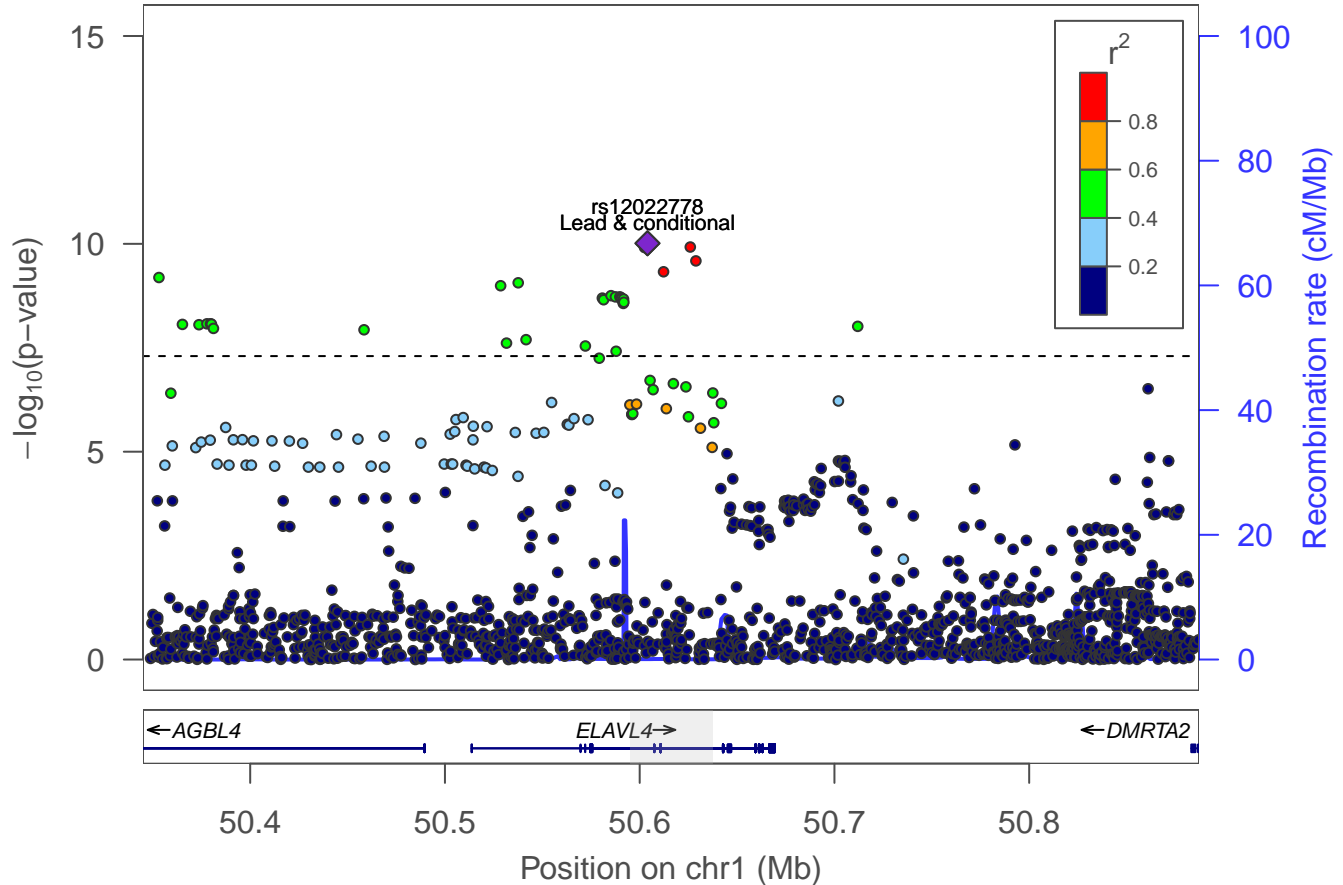
Ever smoker: locus 4 [chr 1:41.752–41.819Mb]



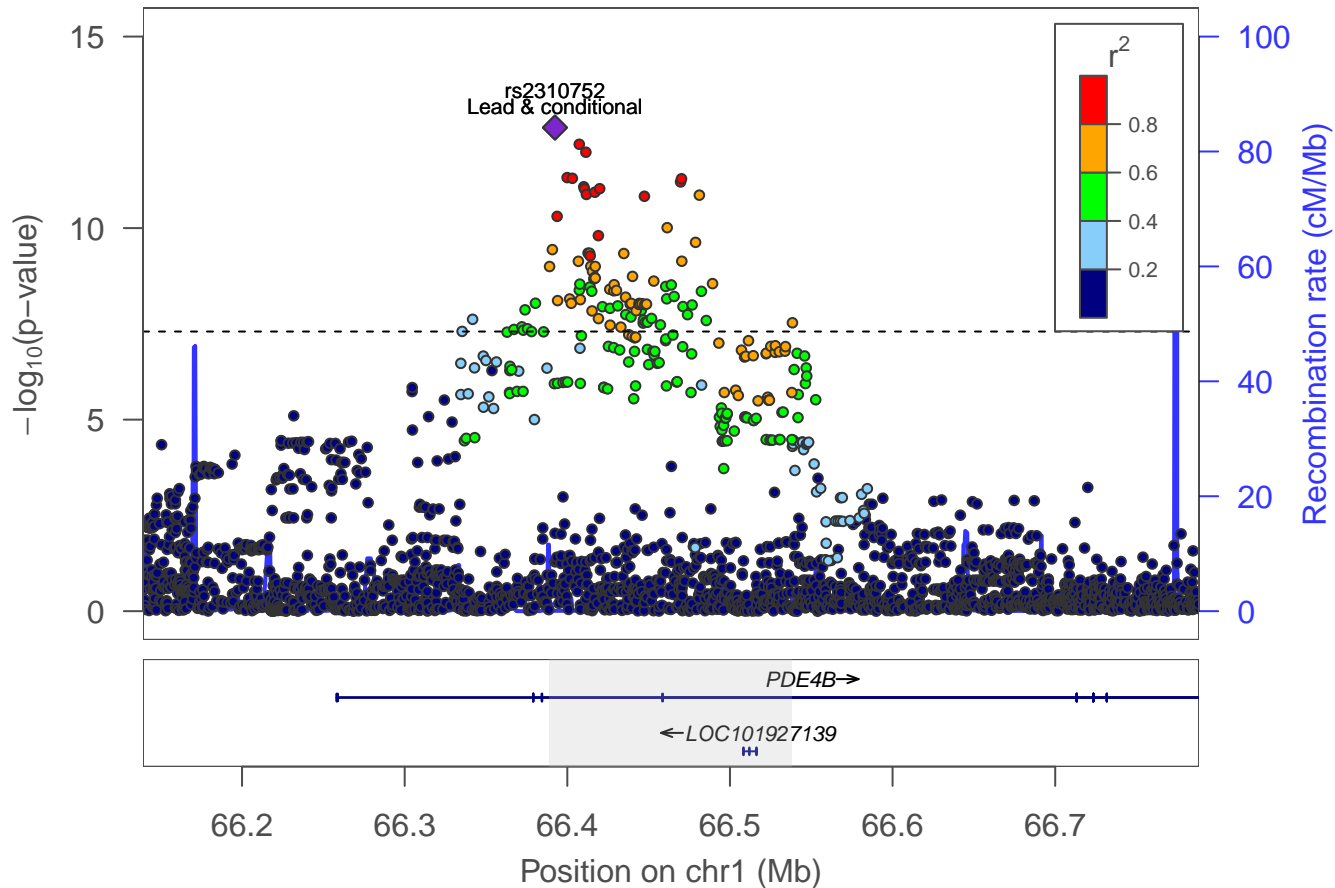
Ever smoker: locus 5 [chr 1:44.029–44.128Mb]



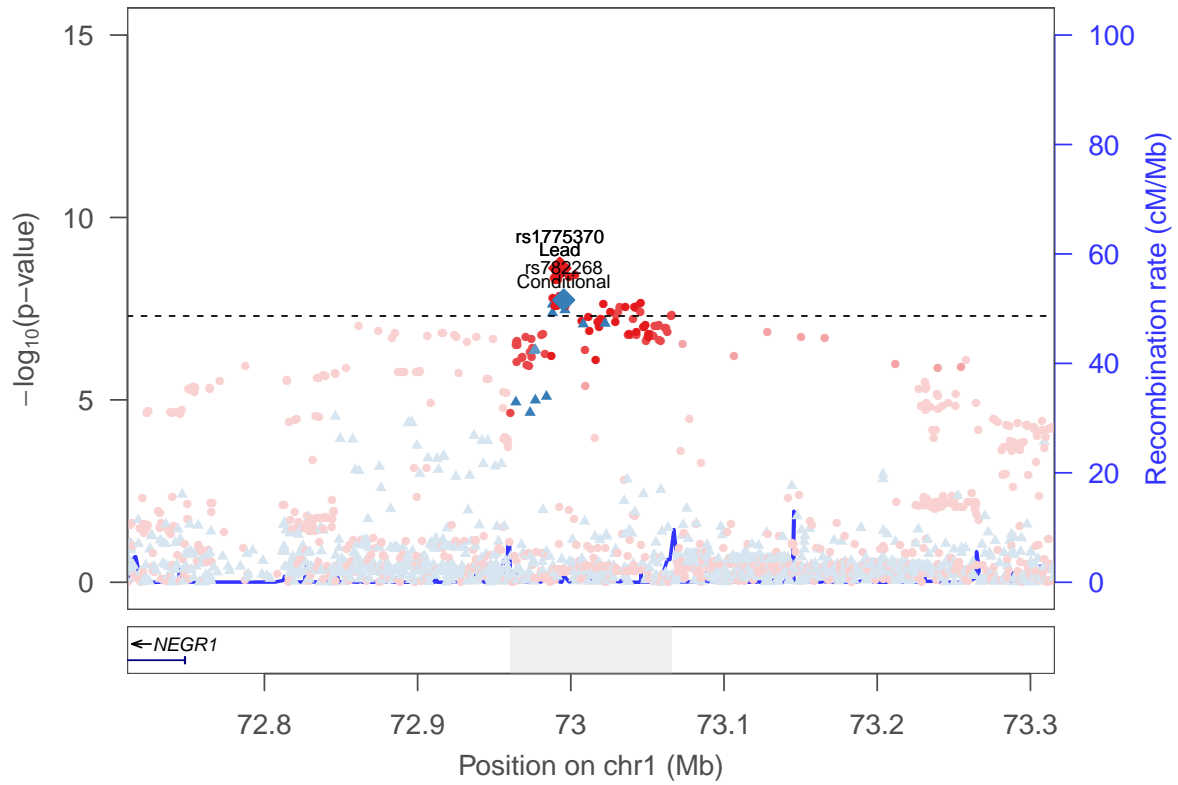
Ever smoker: locus 6 [chr 1:50.595–50.637Mb]



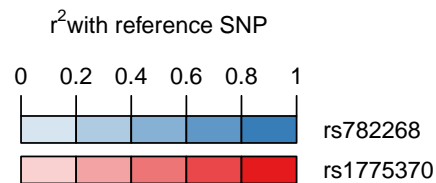
Ever smoker: locus 7 [chr 1:66.389–66.538Mb]



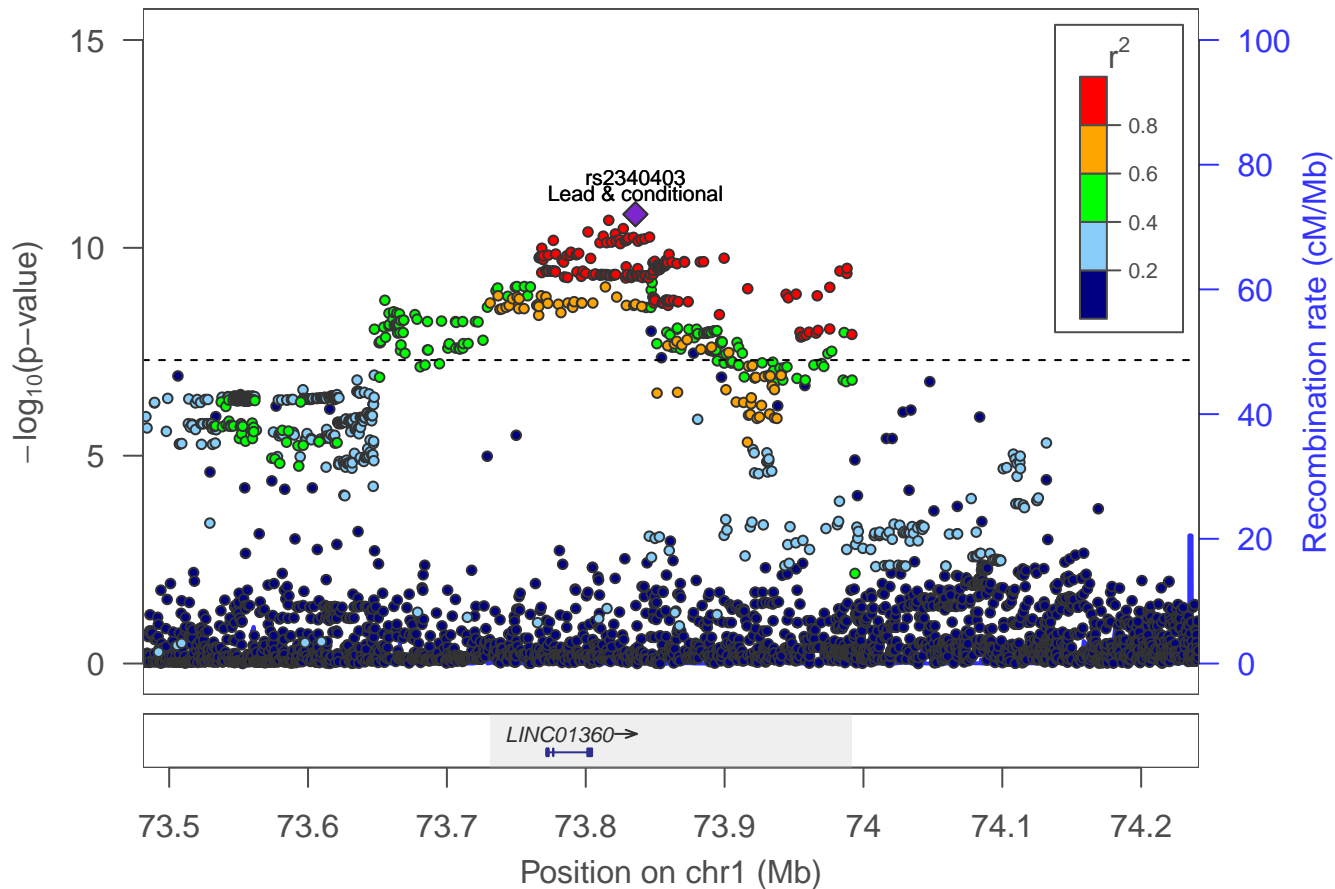
Ever smoker: Locus 8 [chr 1: 72.961–73.066Mb]



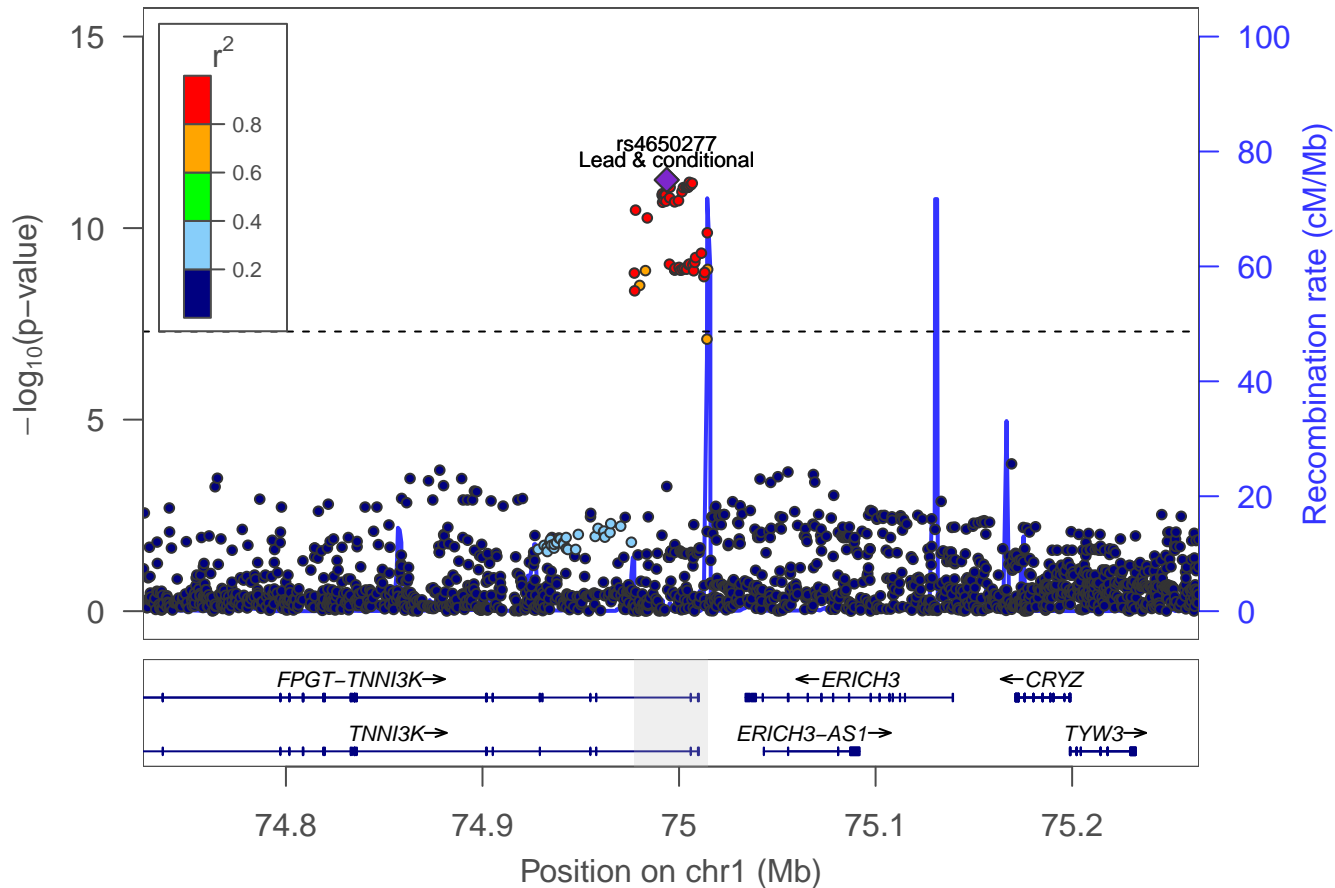
rs782268 ▲
rs1775370 ●



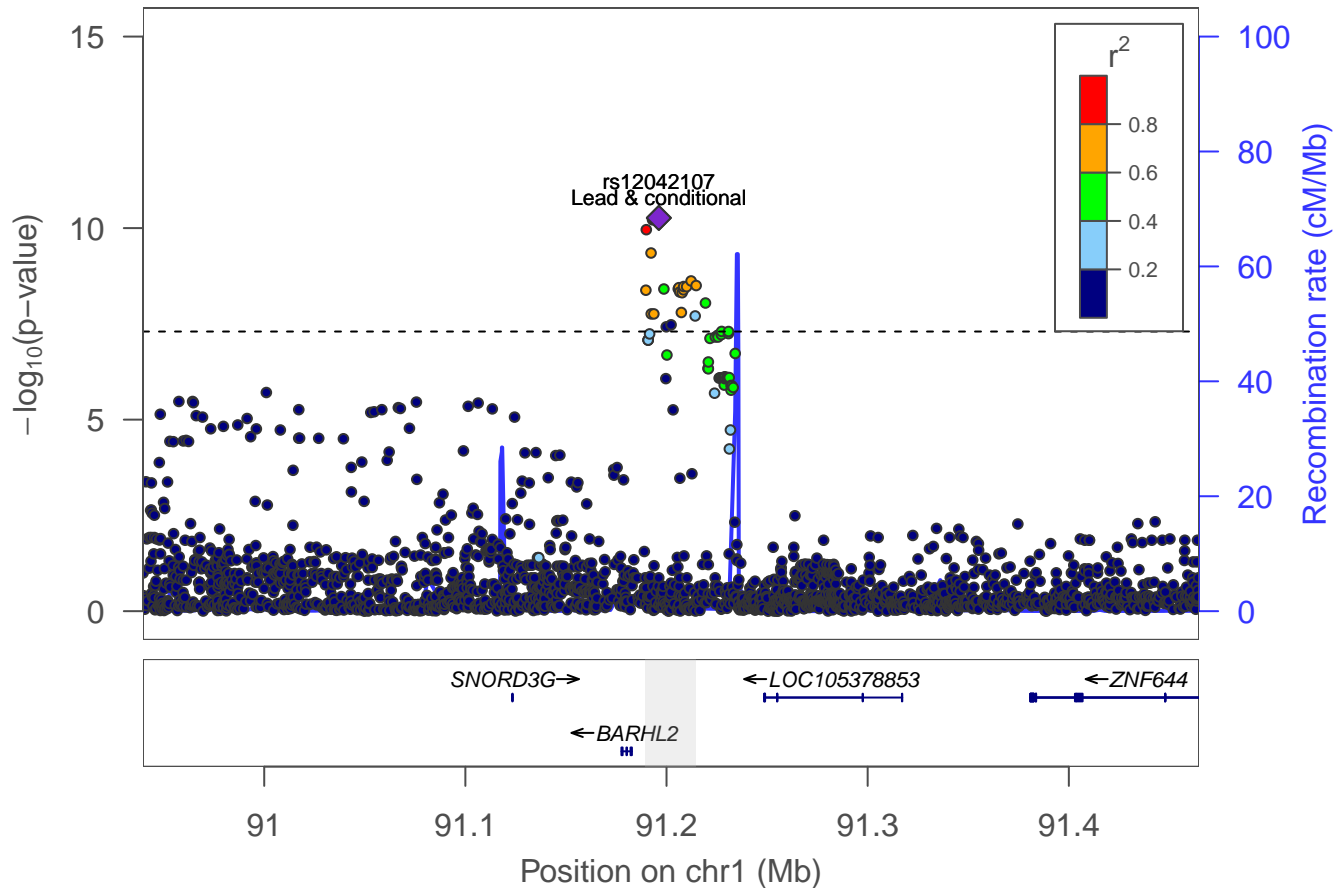
Ever smoker: locus 9 [chr 1:73.731–73.992Mb]



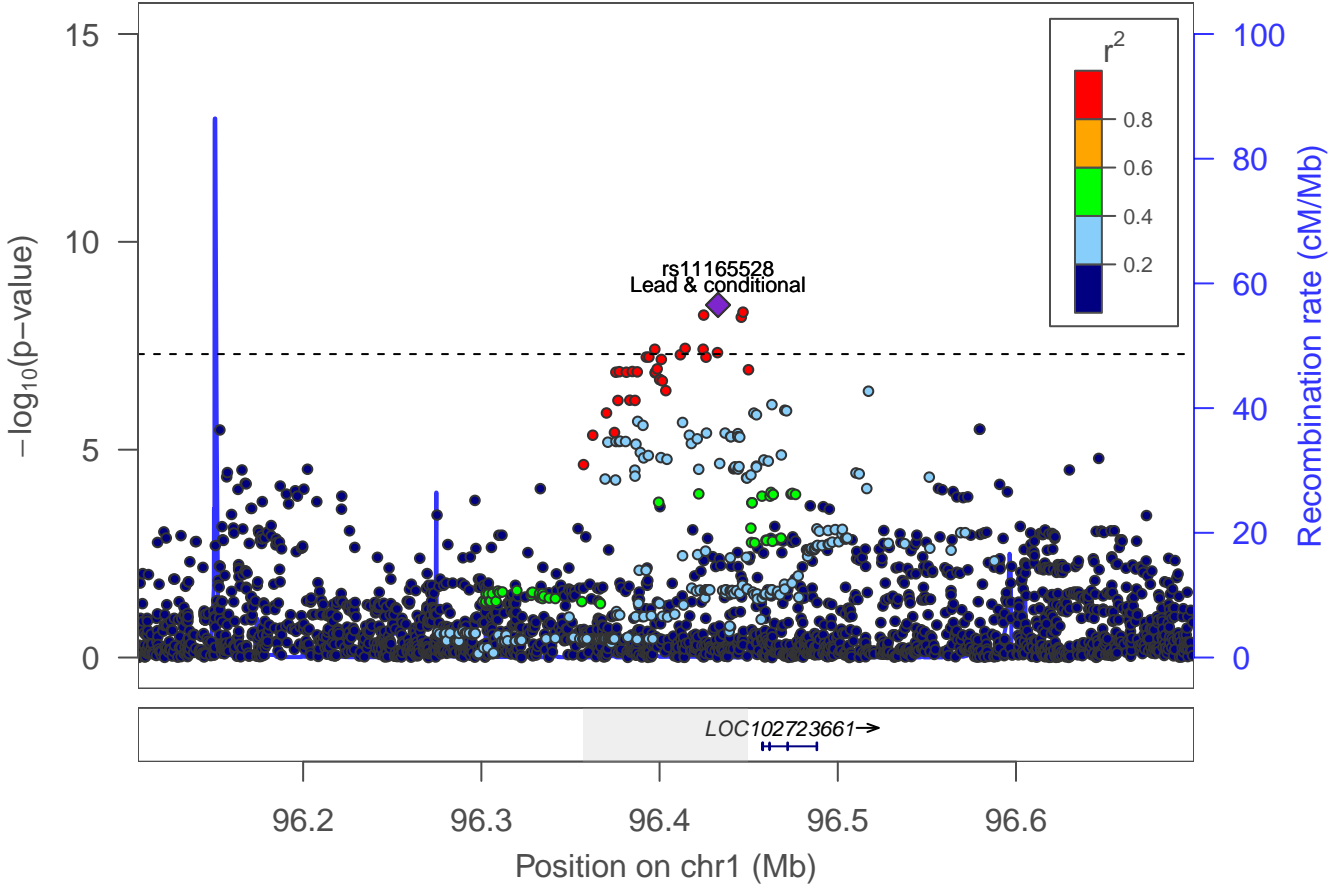
Ever smoker: locus 10 [chr 1:74.977–75.015Mb]



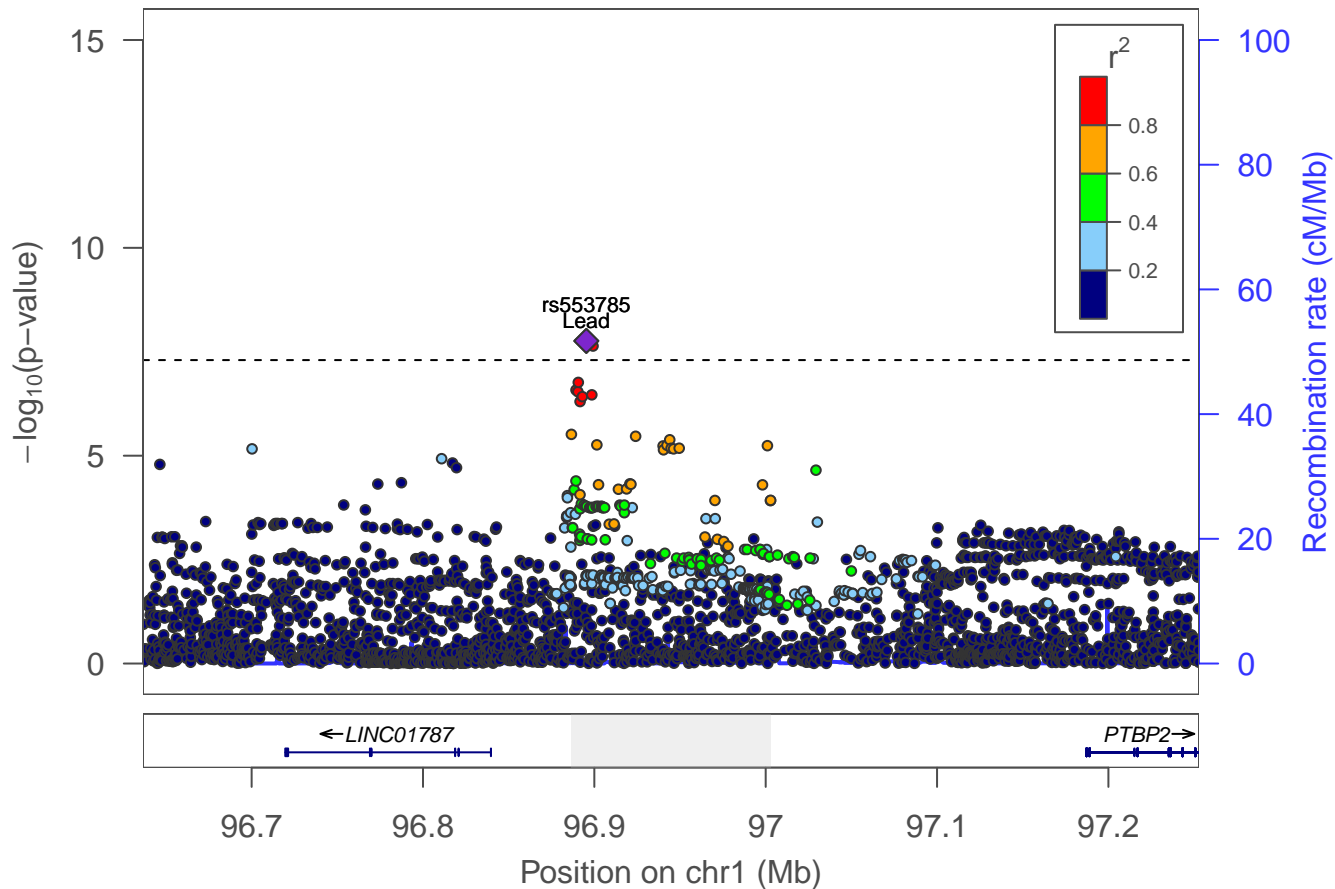
Ever smoker: locus 11 [chr 1:91.190–91.215Mb]



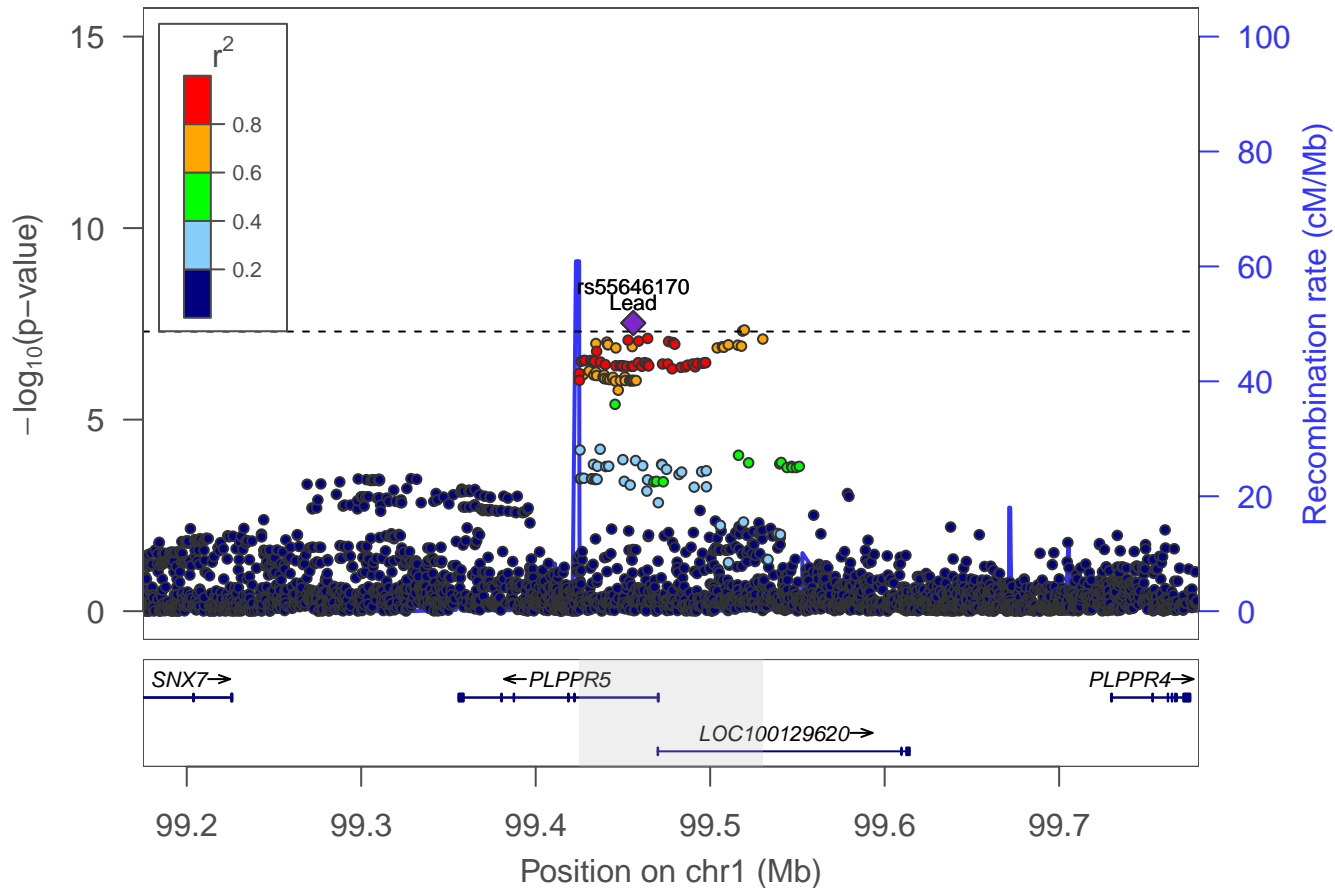
Ever smoker: locus 12 [chr 1:96.357–96.450Mb]



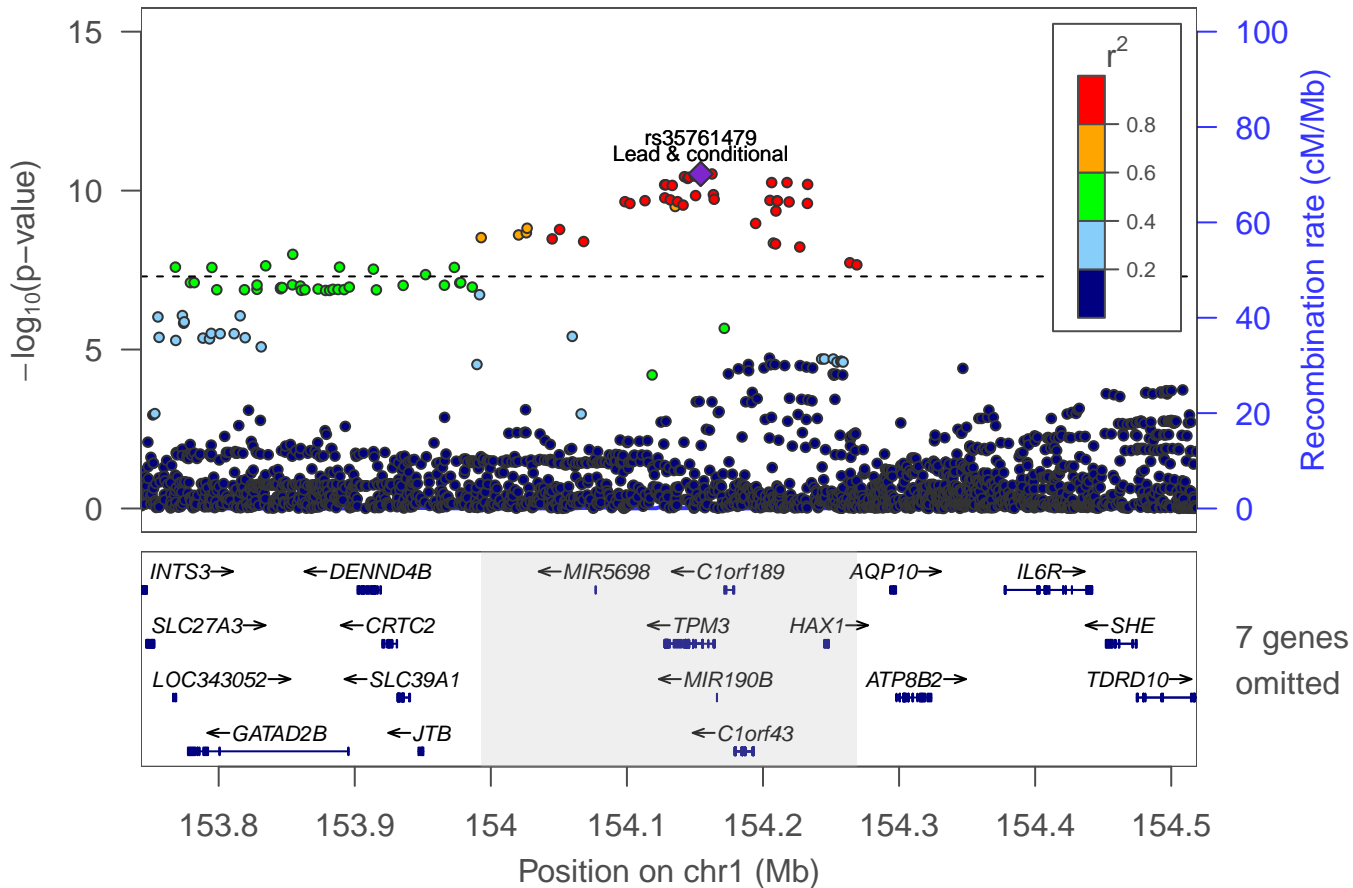
Ever smoker: locus 13 [chr 1:96.887–97.003Mb]



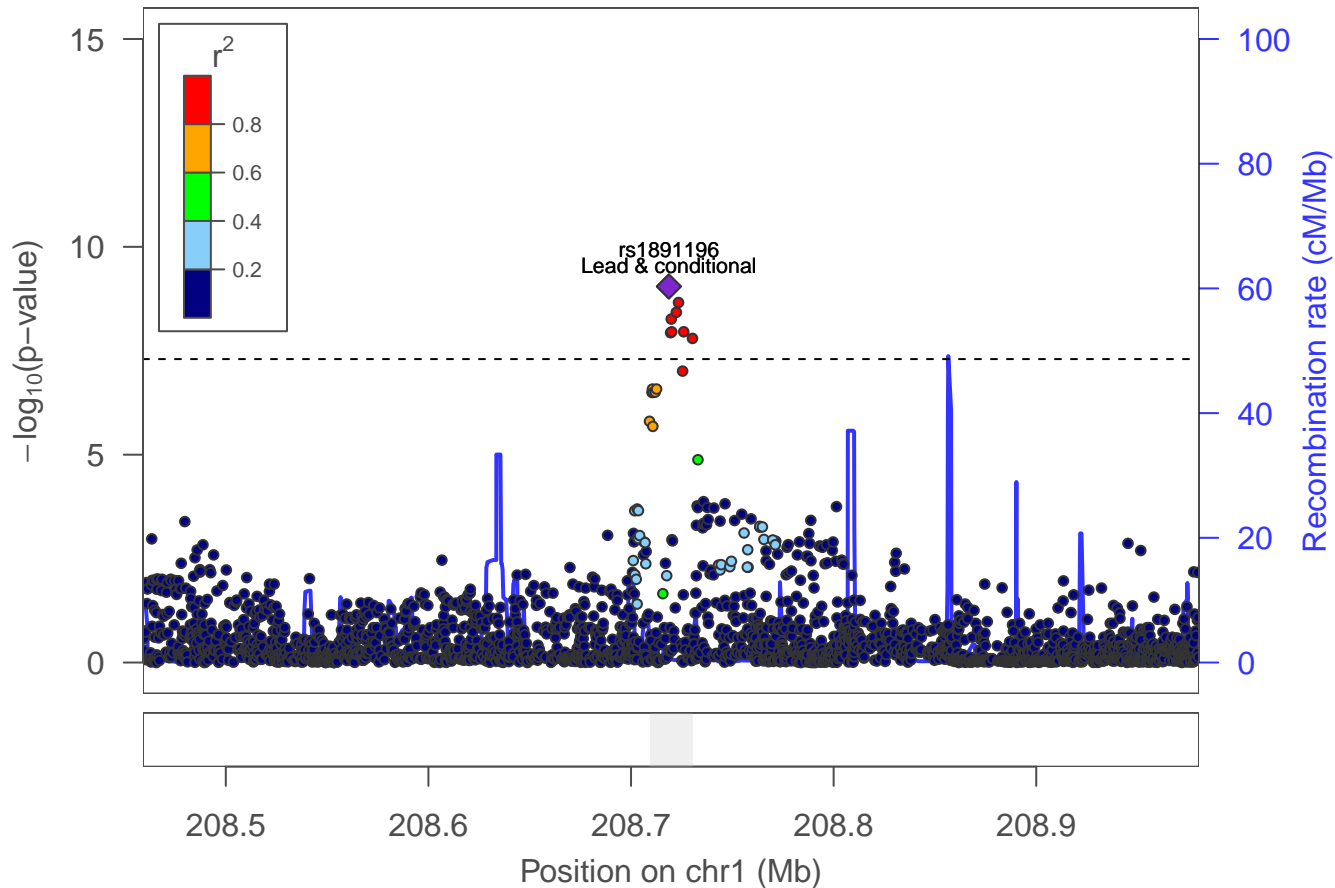
Ever smoker: locus 14 [chr 1:99.425–99.530Mb]



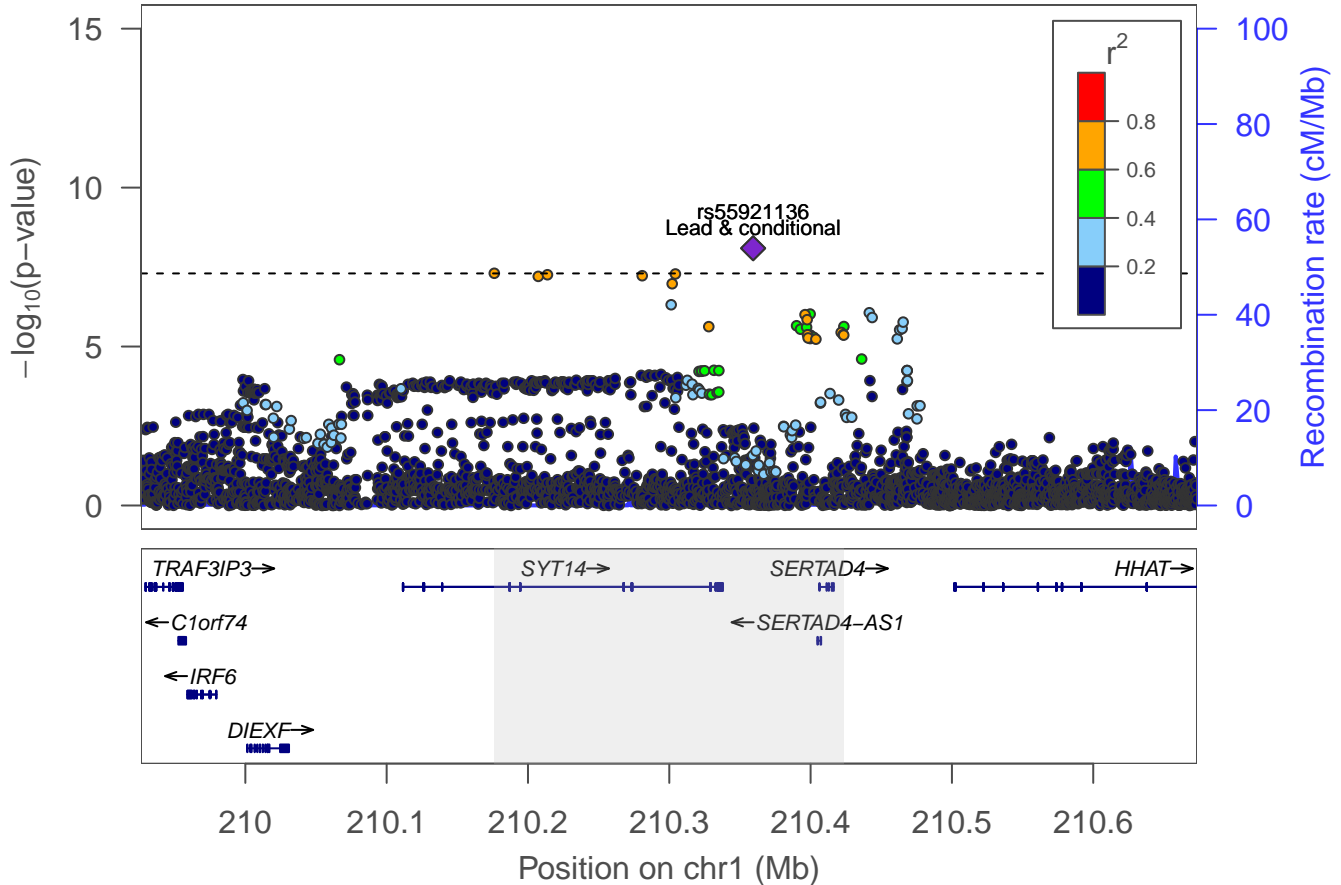
Ever smoker: locus 15 [chr 1:153.993–154.269Mb]



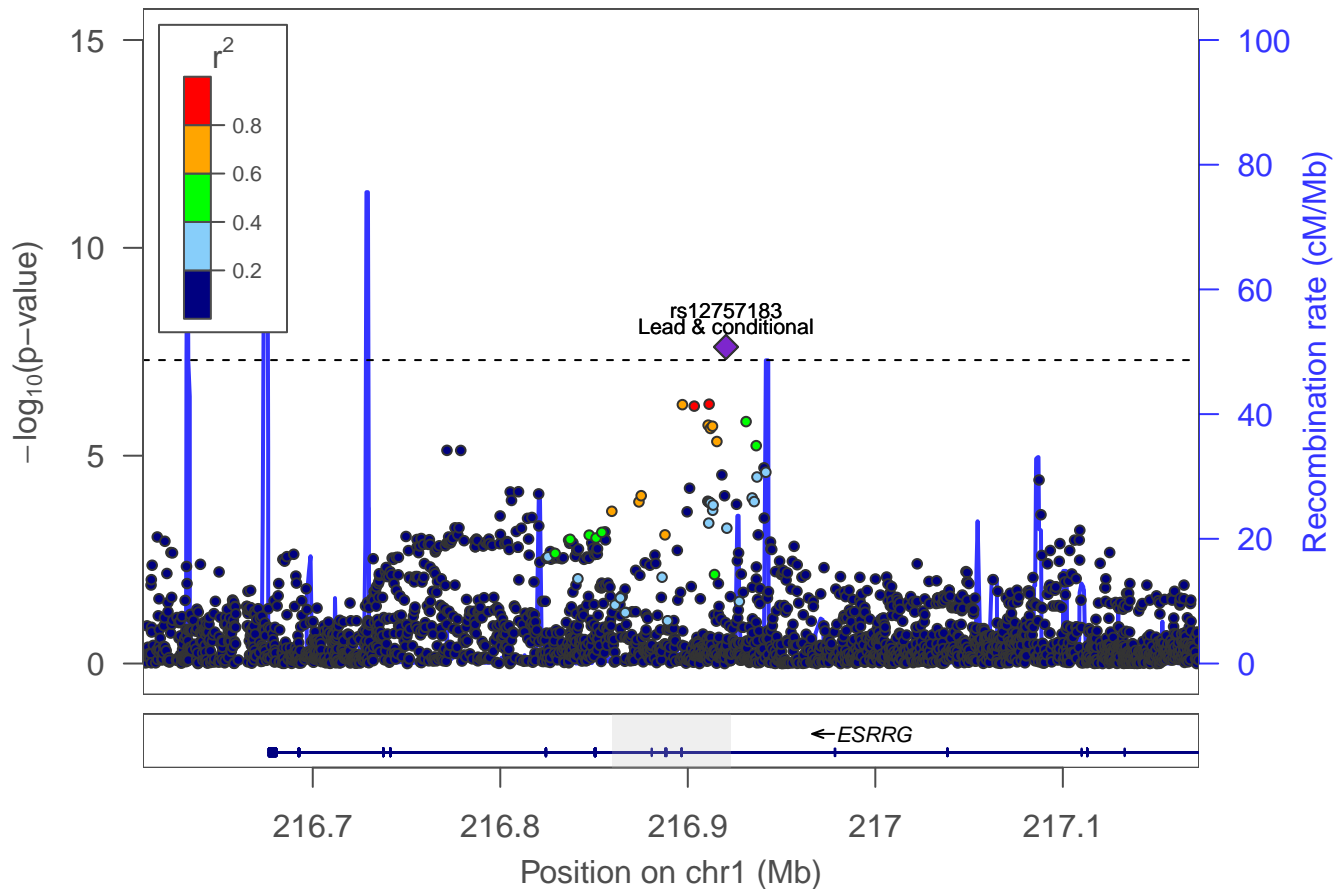
Ever smoker: locus 16 [chr 1:208.709–208.730Mb]



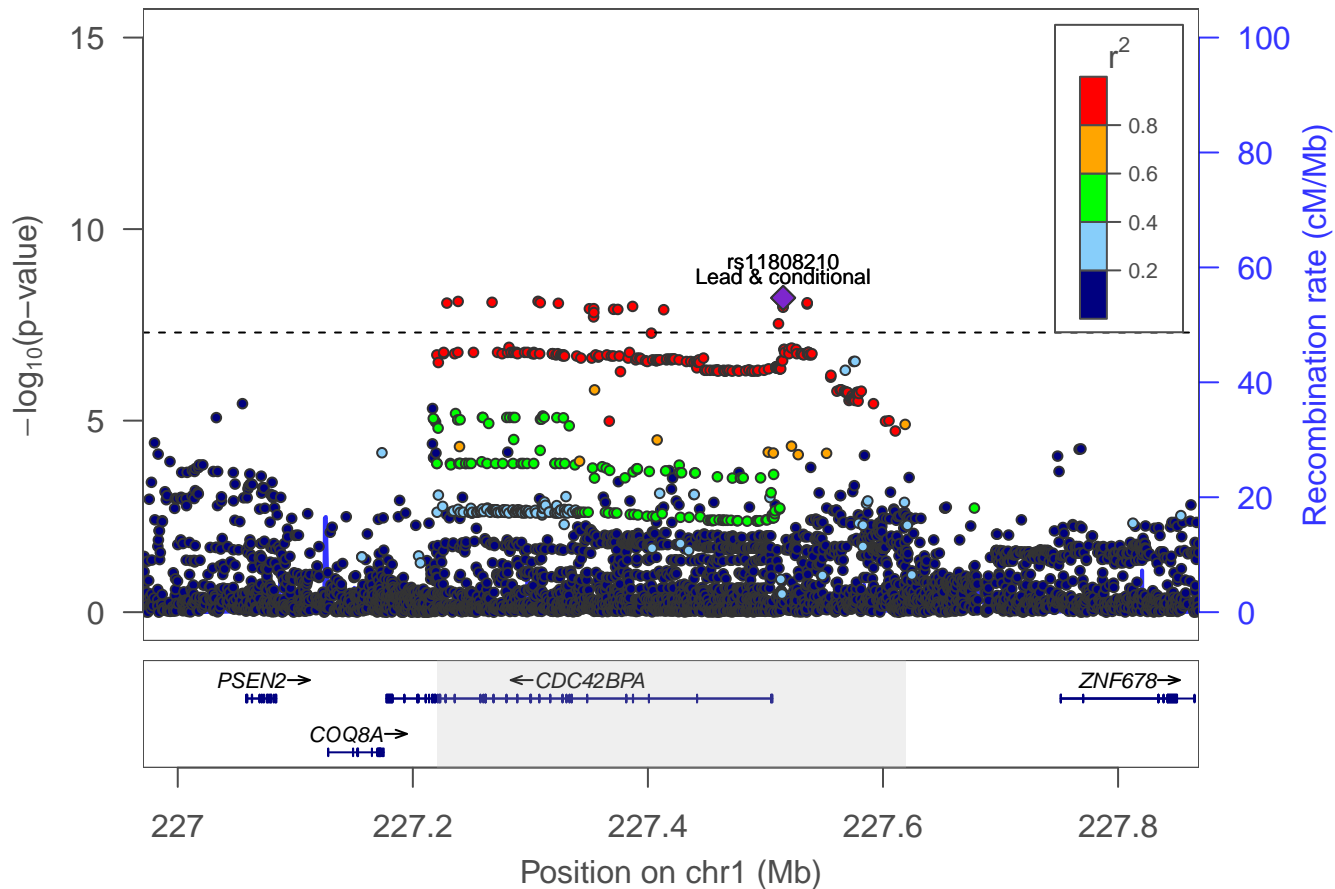
Ever smoker: locus 17 [chr 1:210.176–210.423Mb]



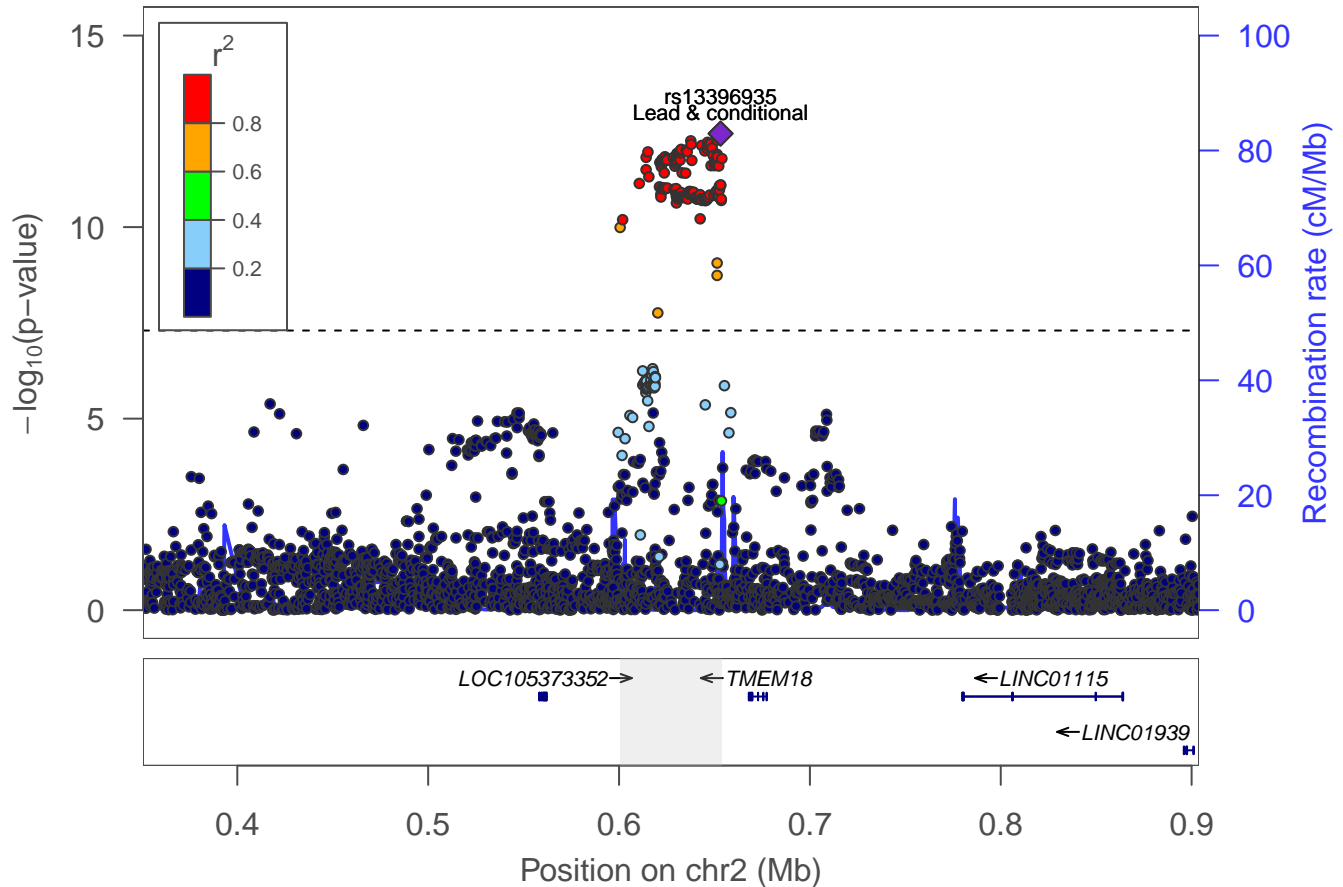
Ever smoker: locus 18 [chr 1:216.859–216.923Mb]



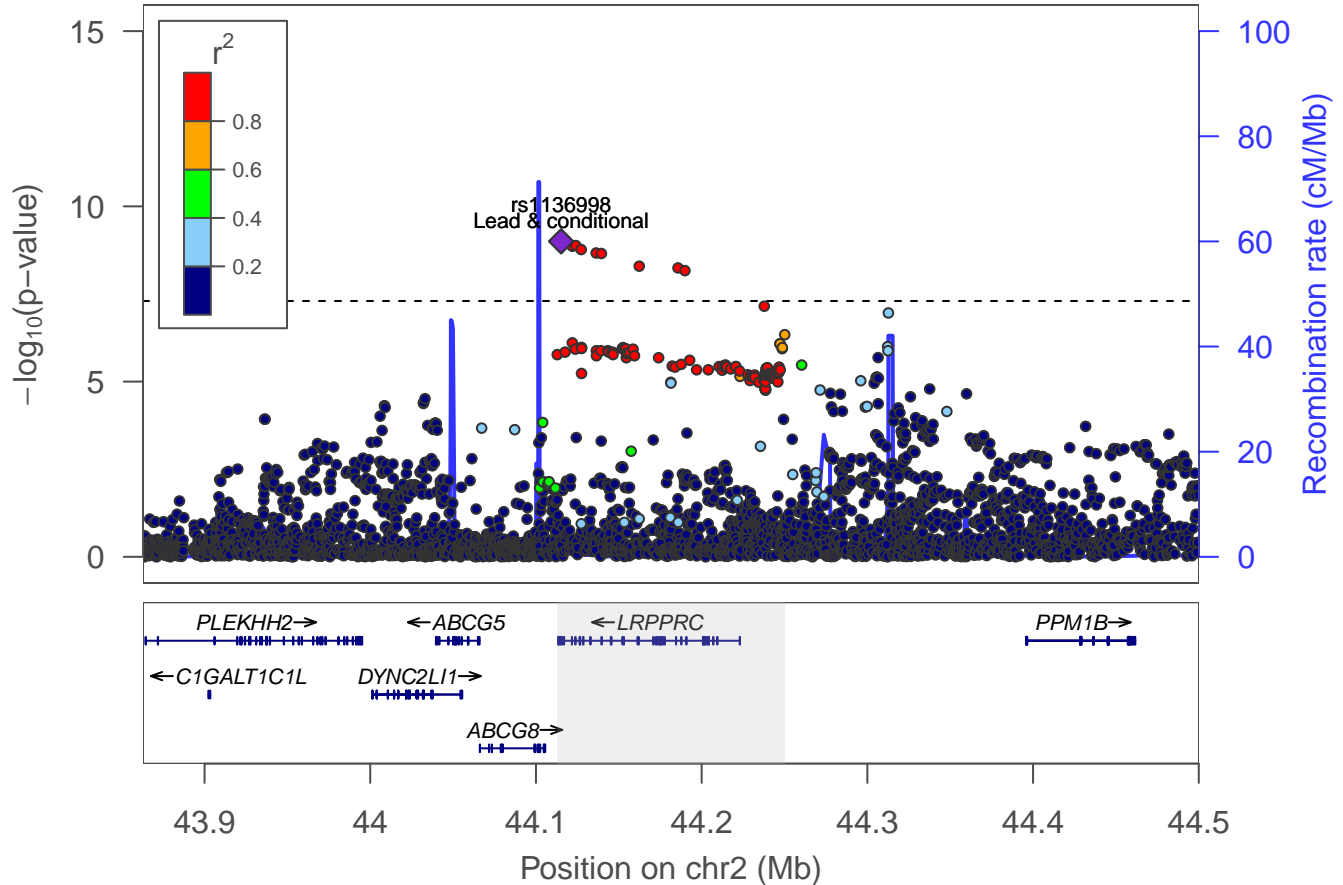
Ever smoker: locus 19 [chr 1:227.220–227.619Mb]



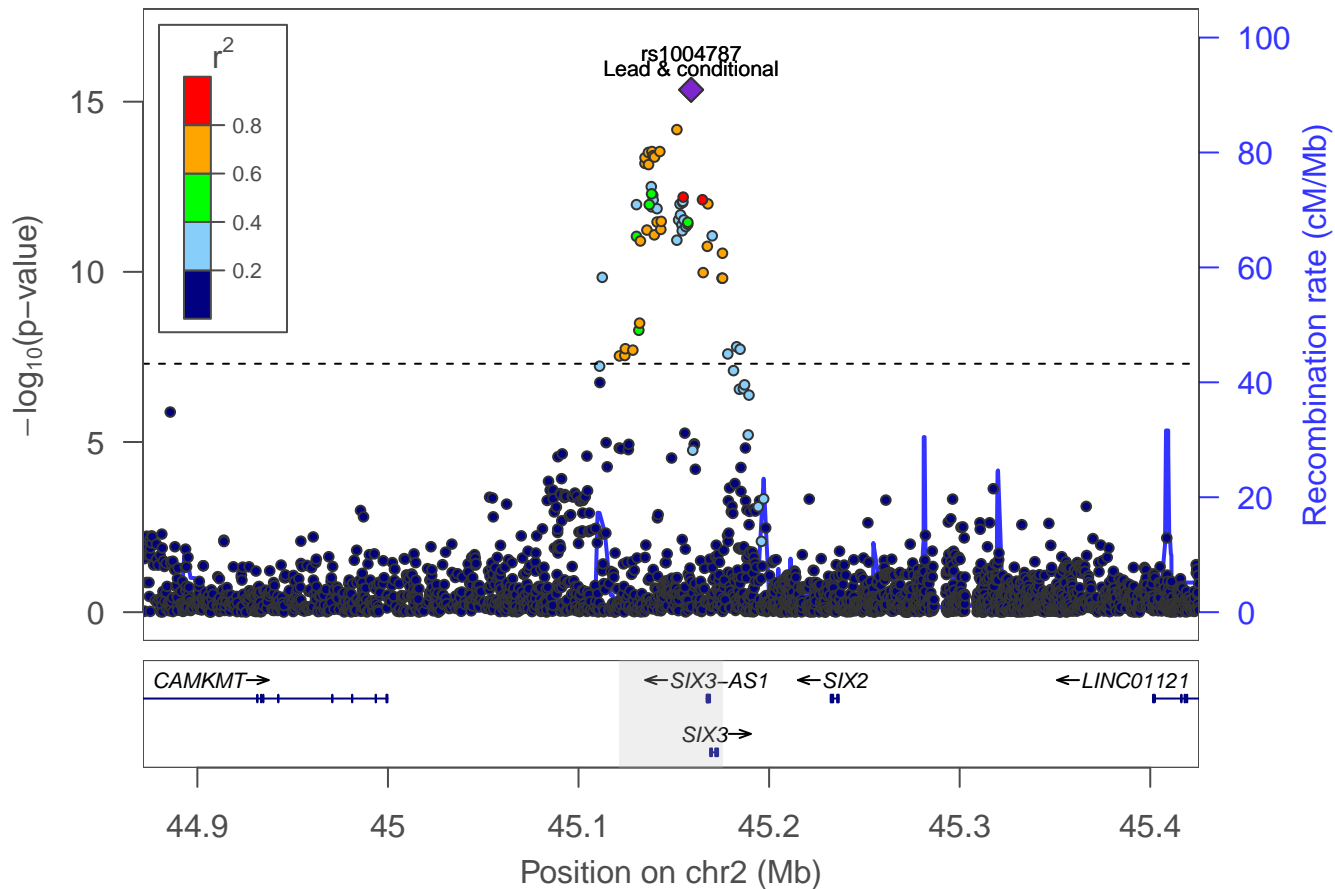
Ever smoker: locus 20 [chr 2:0.601–0.654Mb]



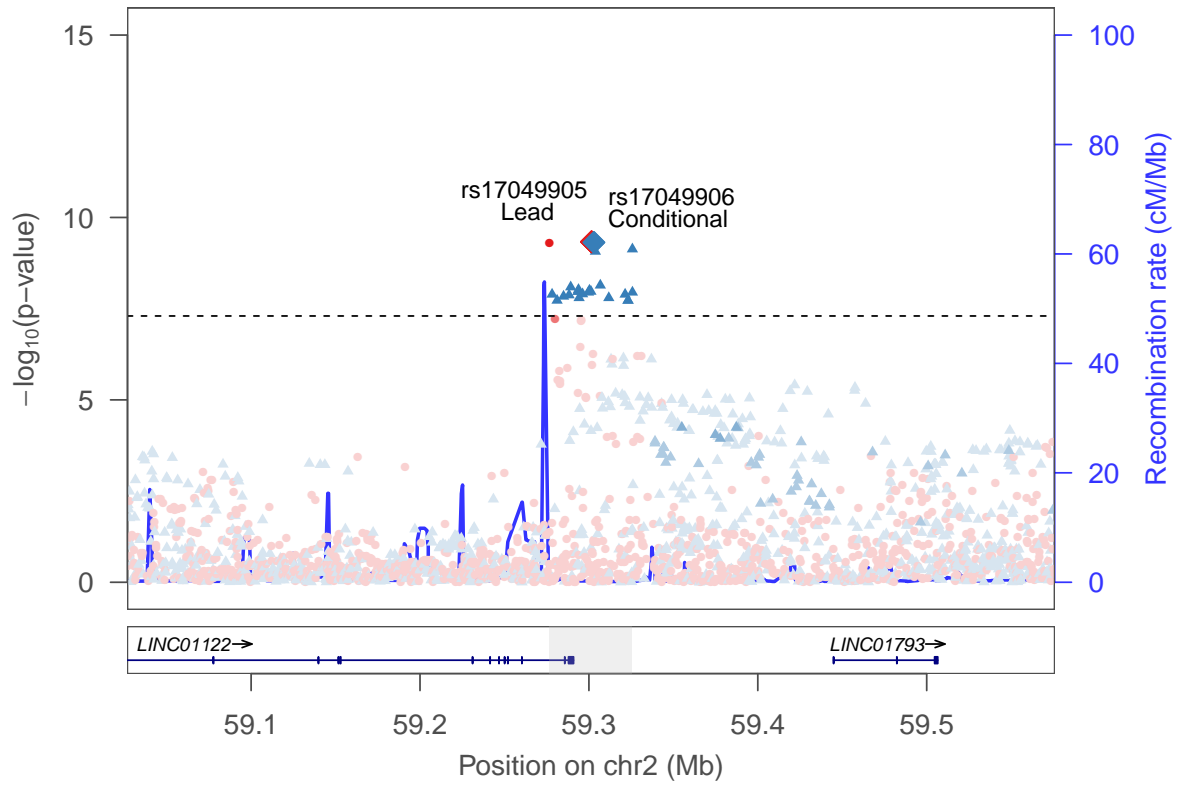
Ever smoker: locus 21 [chr 2:44.113–44.250Mb]



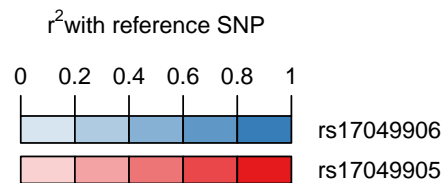
Ever smoker: locus 22 [chr 2:45.121–45.176Mb]



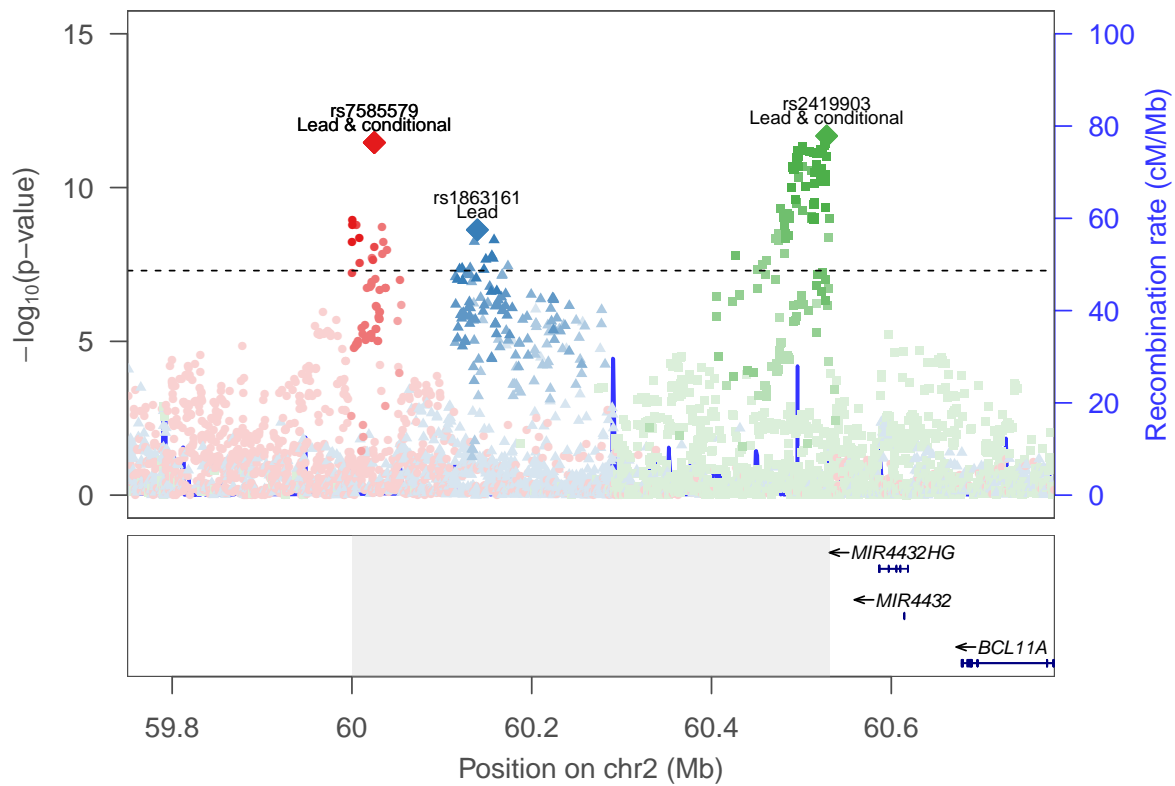
Ever smoker: Locus 23 [chr 2: 59.277–59.326Mb]



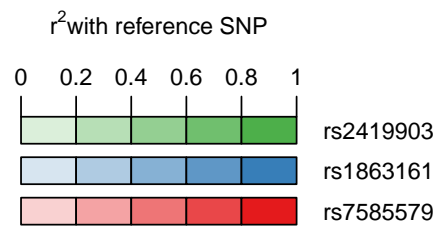
rs17049906 ▲
rs17049905 ●



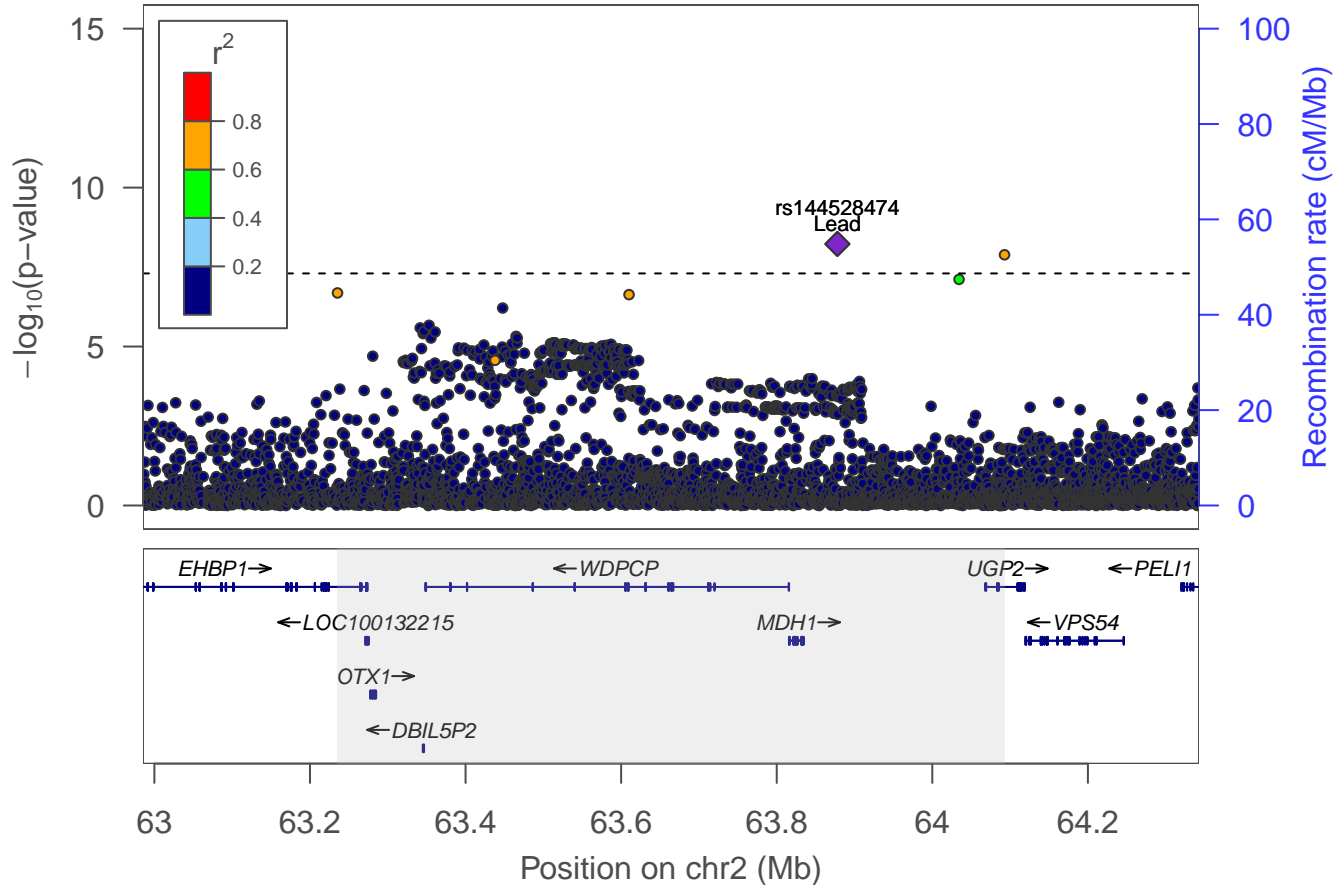
Ever smoker: Locus 24 [chr 2: 60.000–60.532Mb]



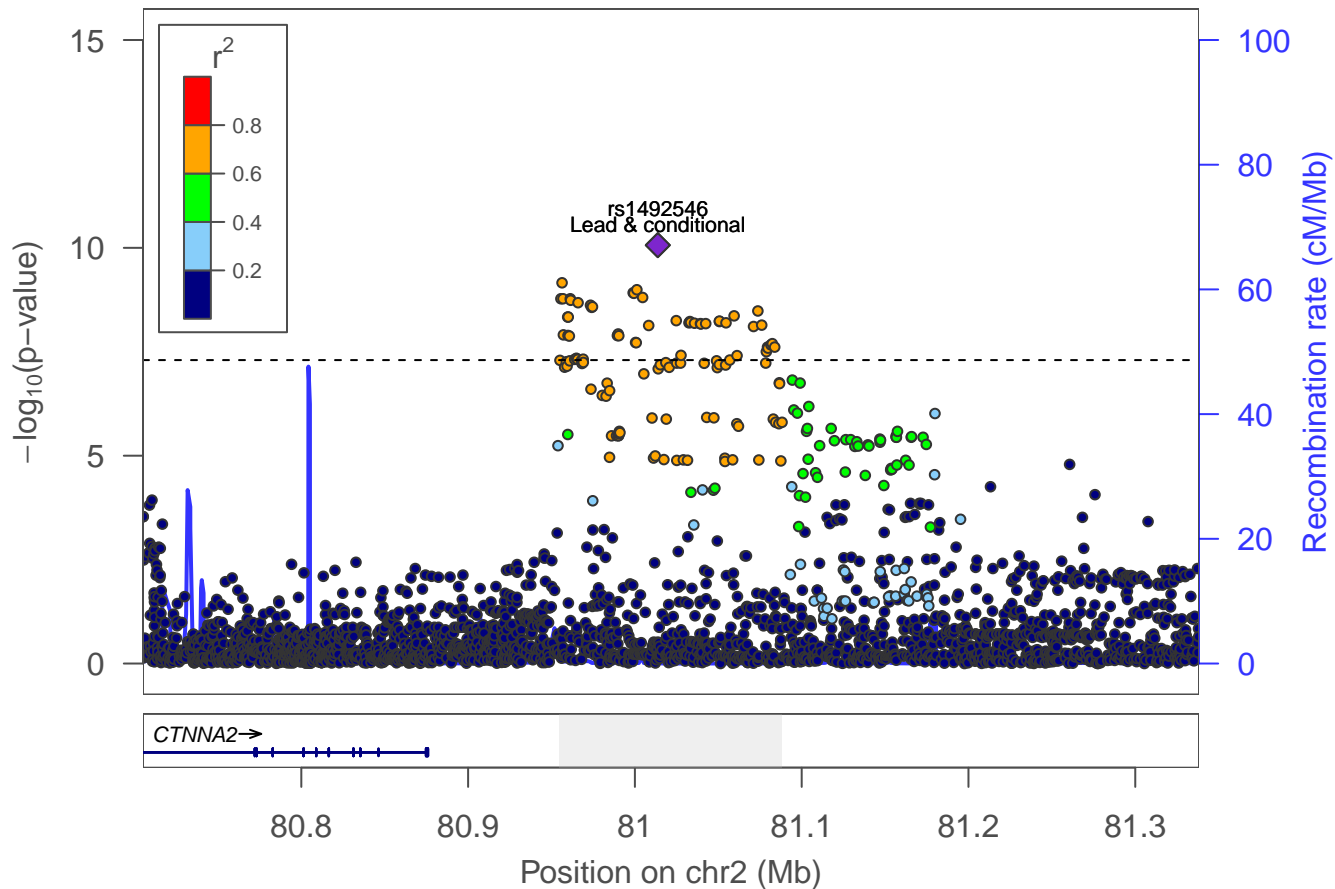
rs2419903 ■
rs1863161 ▲
rs7585579 ●



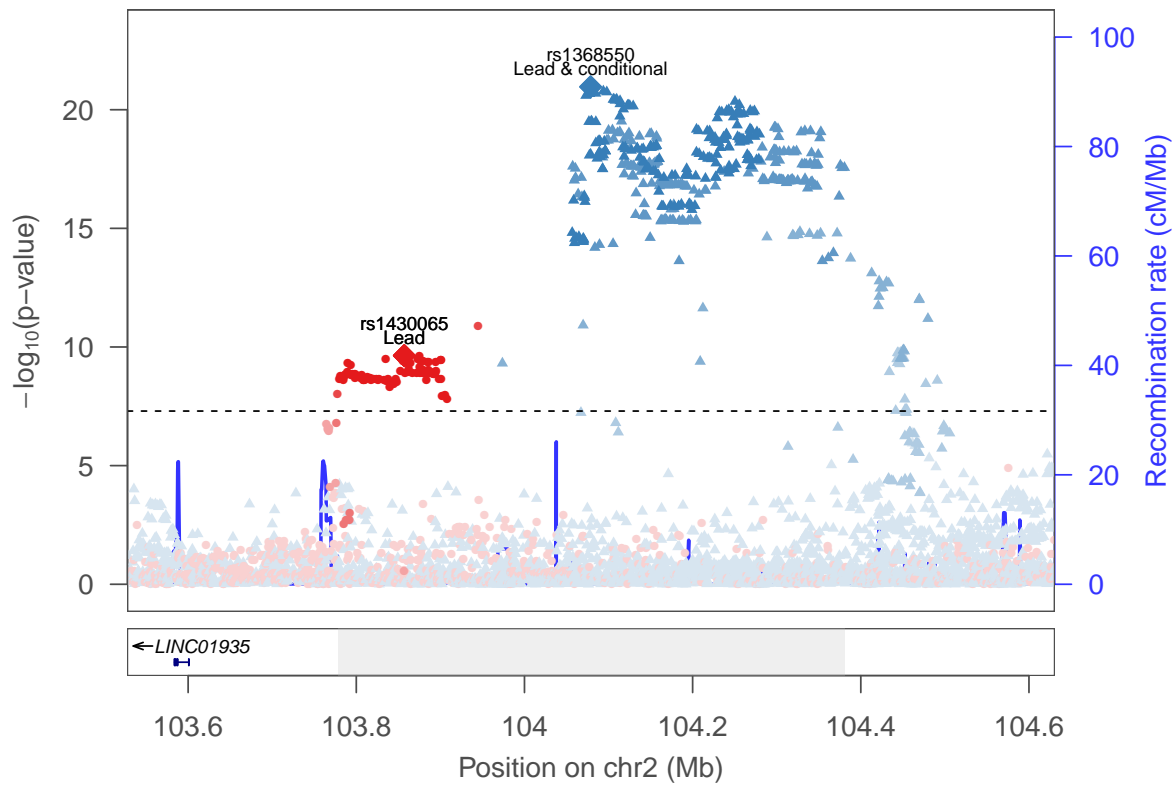
Ever smoker: locus 25 [chr 2:63.235–64.093Mb]



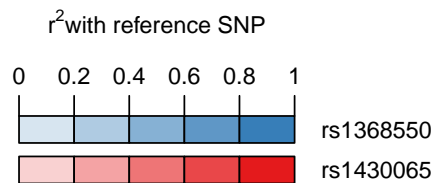
Ever smoker: locus 26 [chr 2:80.955–81.088Mb]



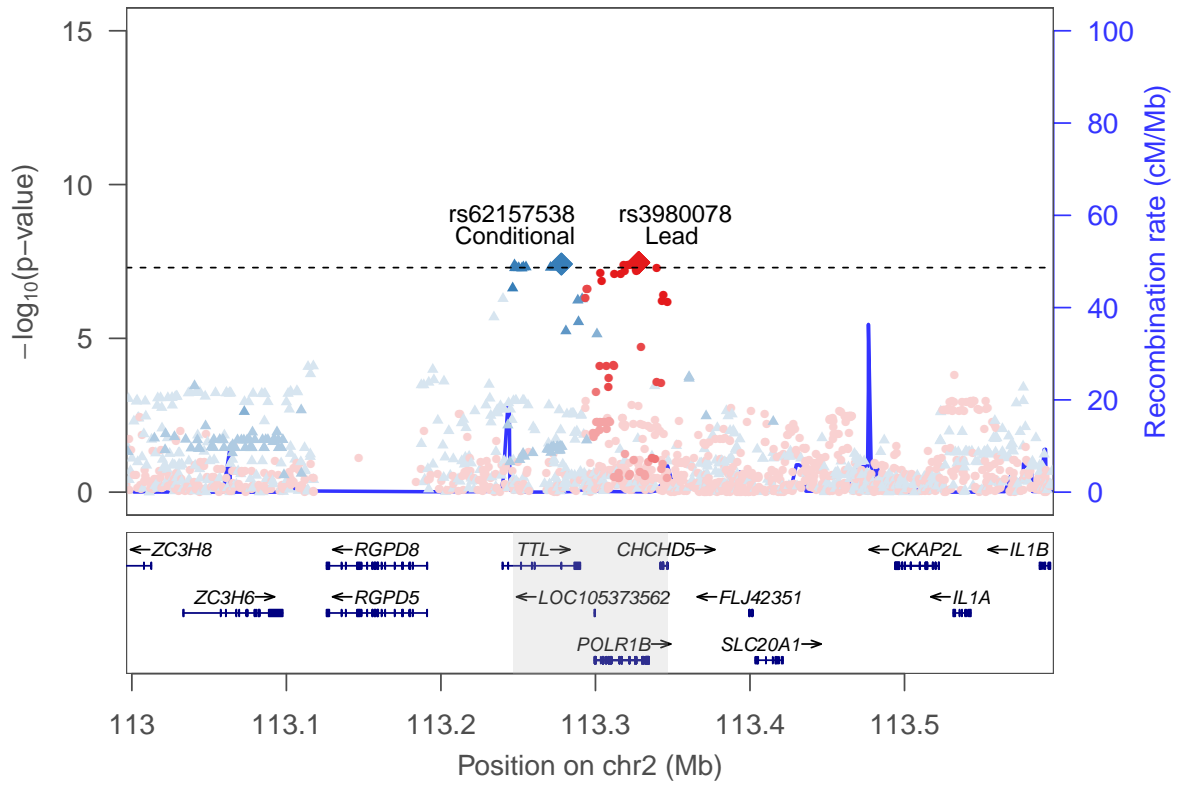
Ever smoker: Locus 27 [chr 2: 103.778–104.381Mb]



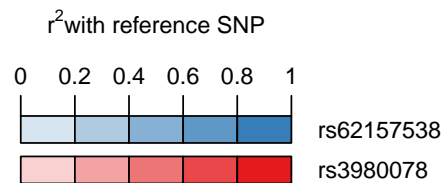
rs1368550 ▲
rs1430065 ●



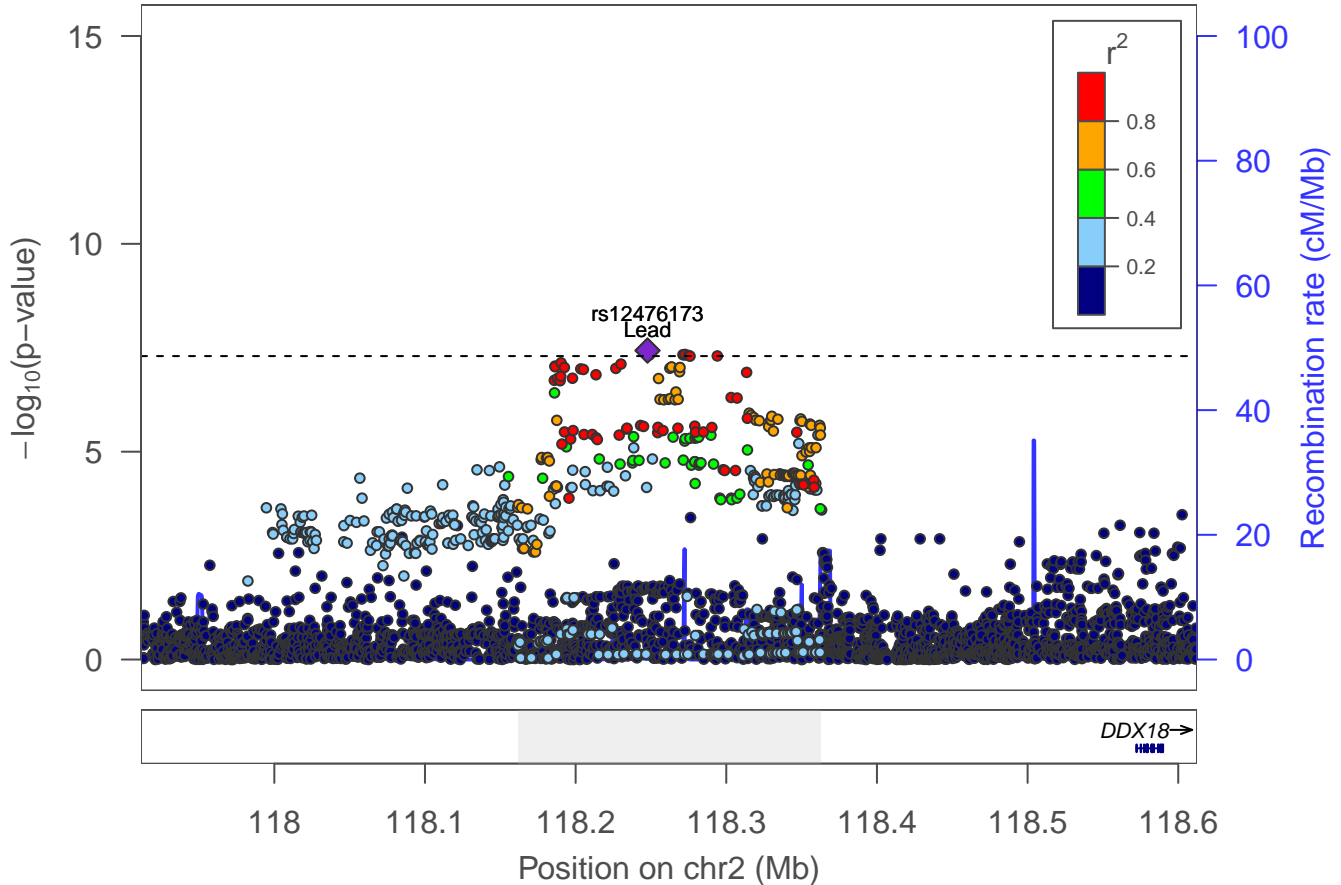
Ever smoker: Locus 28 [chr 2: 113.246–113.347Mb]



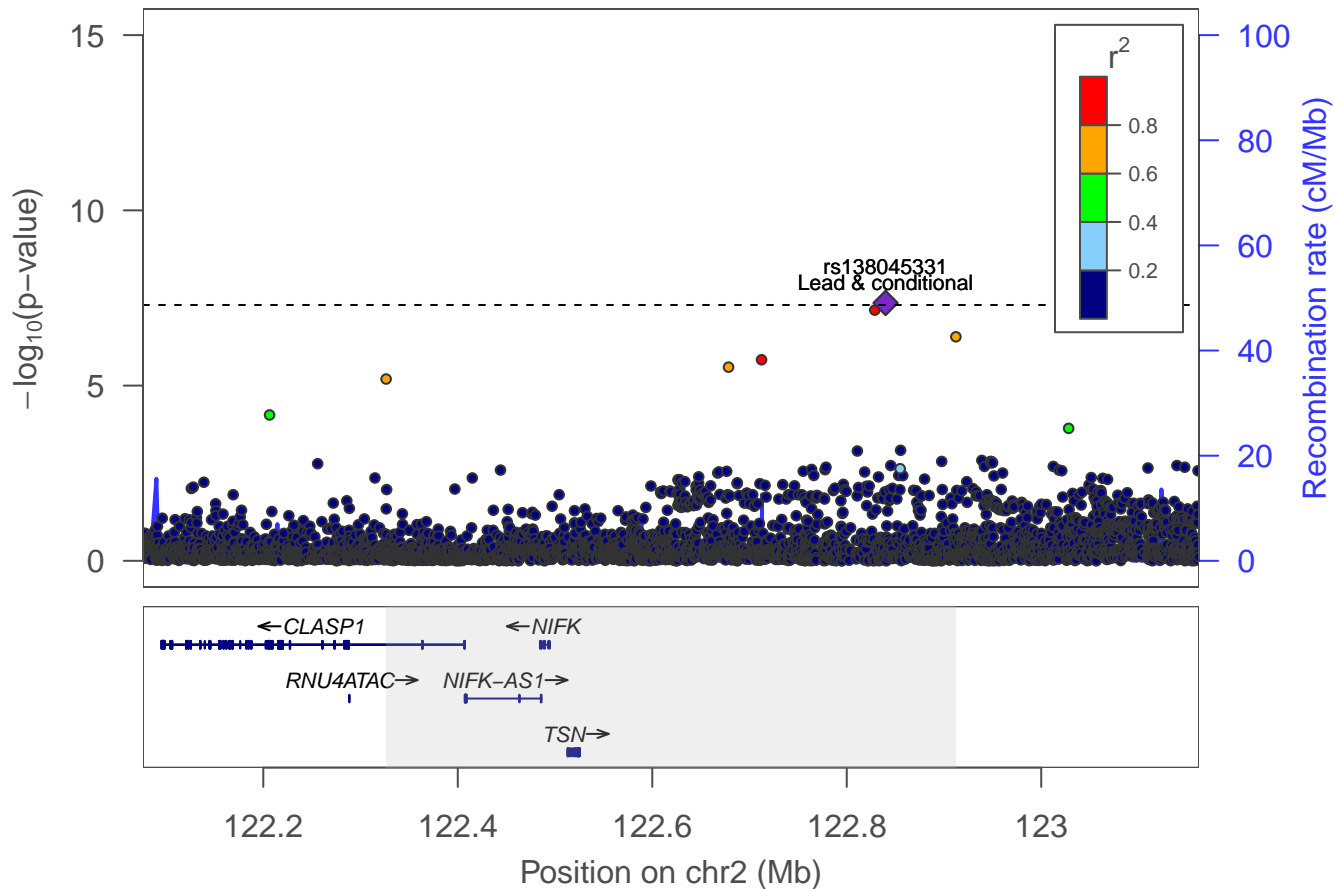
rs62157538 ▲
 rs3980078 ●



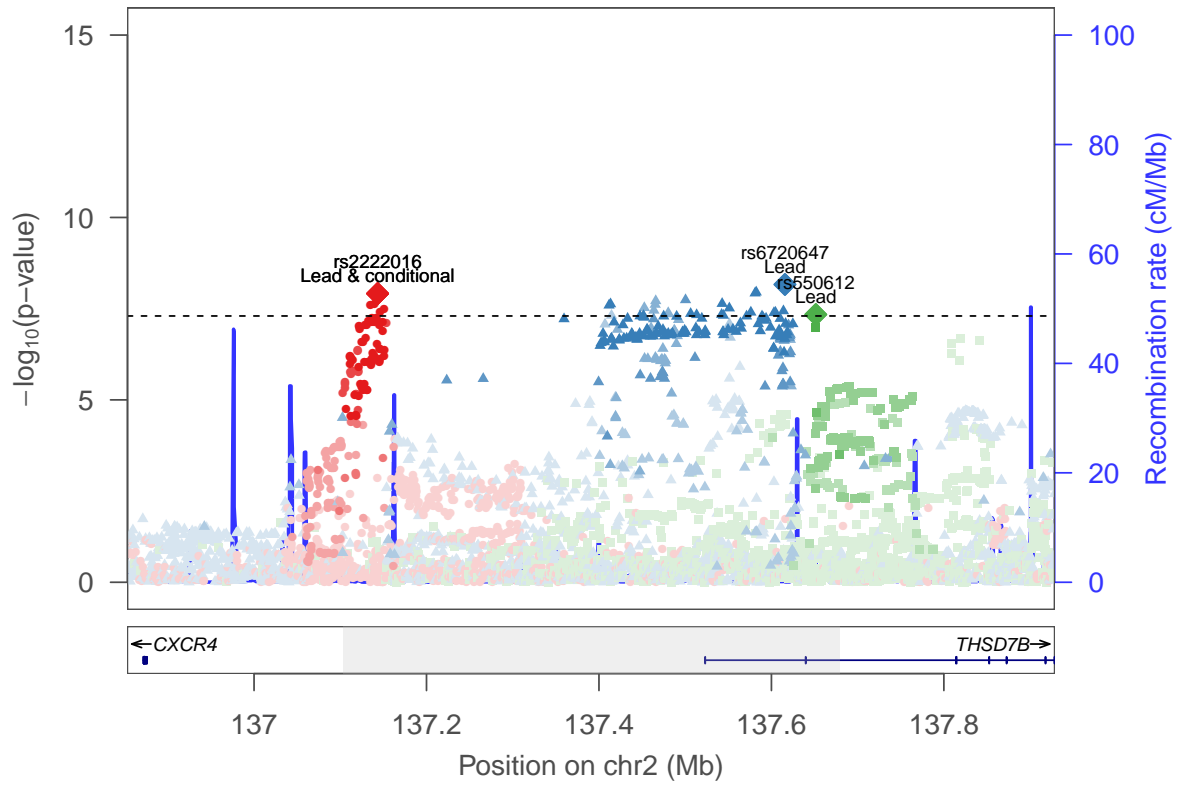
Ever smoker: locus 29 [chr 2:118.162–118.362Mb]



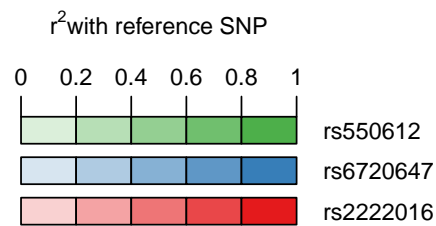
Ever smoker: locus 30 [chr 2:122.326–122.912Mb]



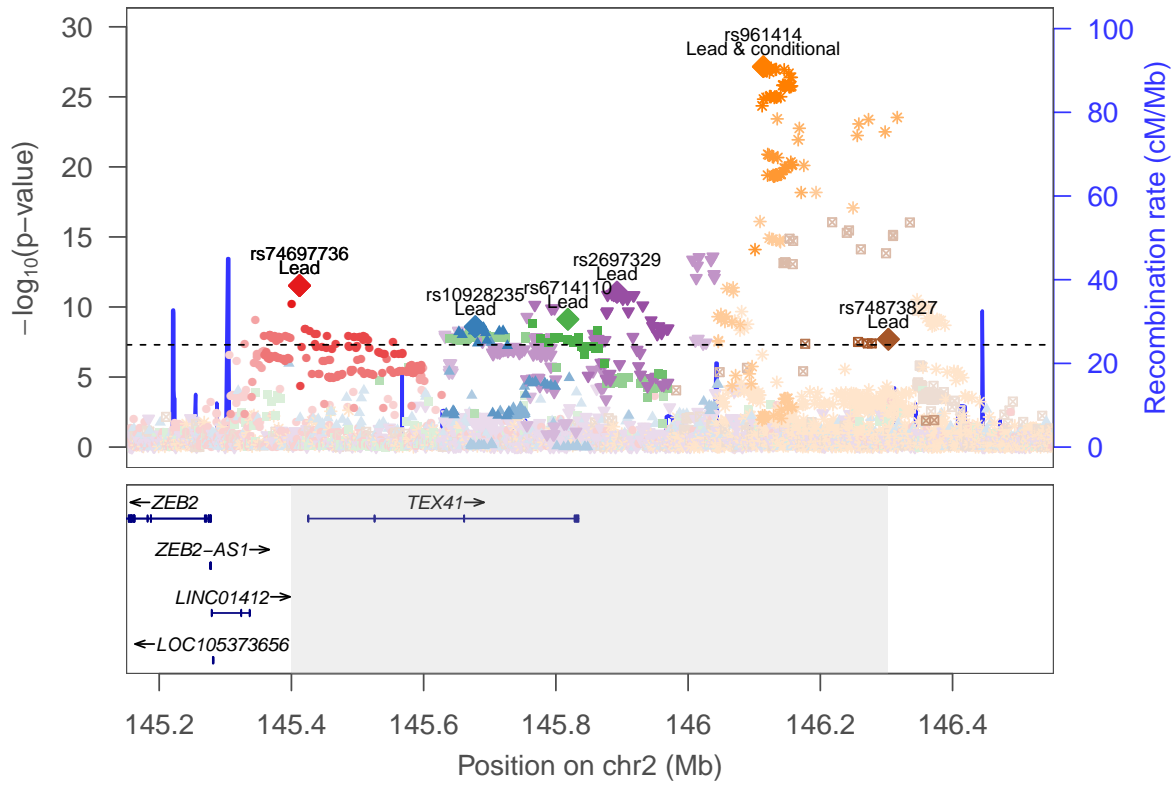
Ever smoker: Locus 31 [chr 2: 137.103–137.678Mb]









rs550612 ■
rs6720647 ▲
rs2222016 ●



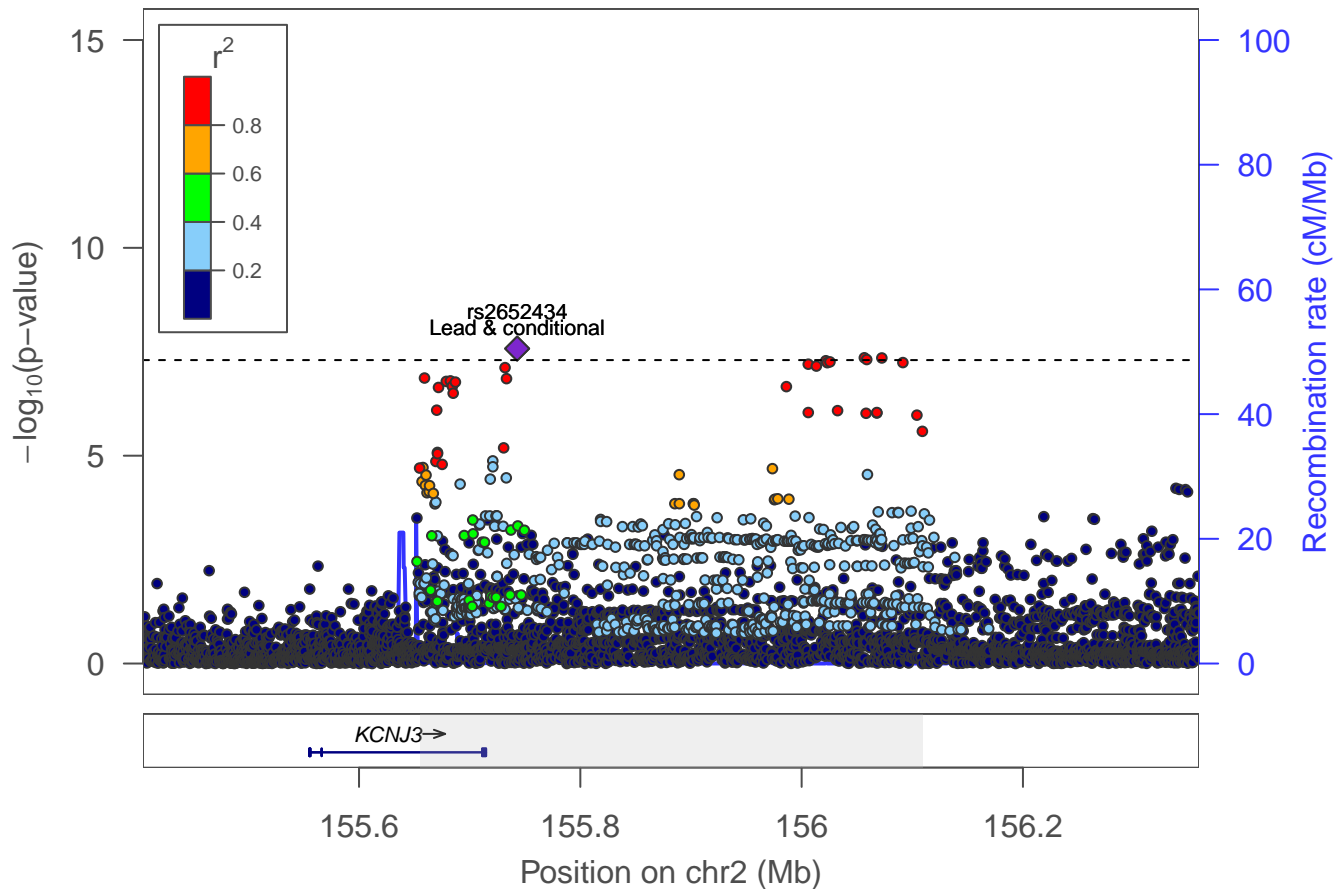
Ever smoker: Locus 32 [chr 2: 145.400–146.303Mb]



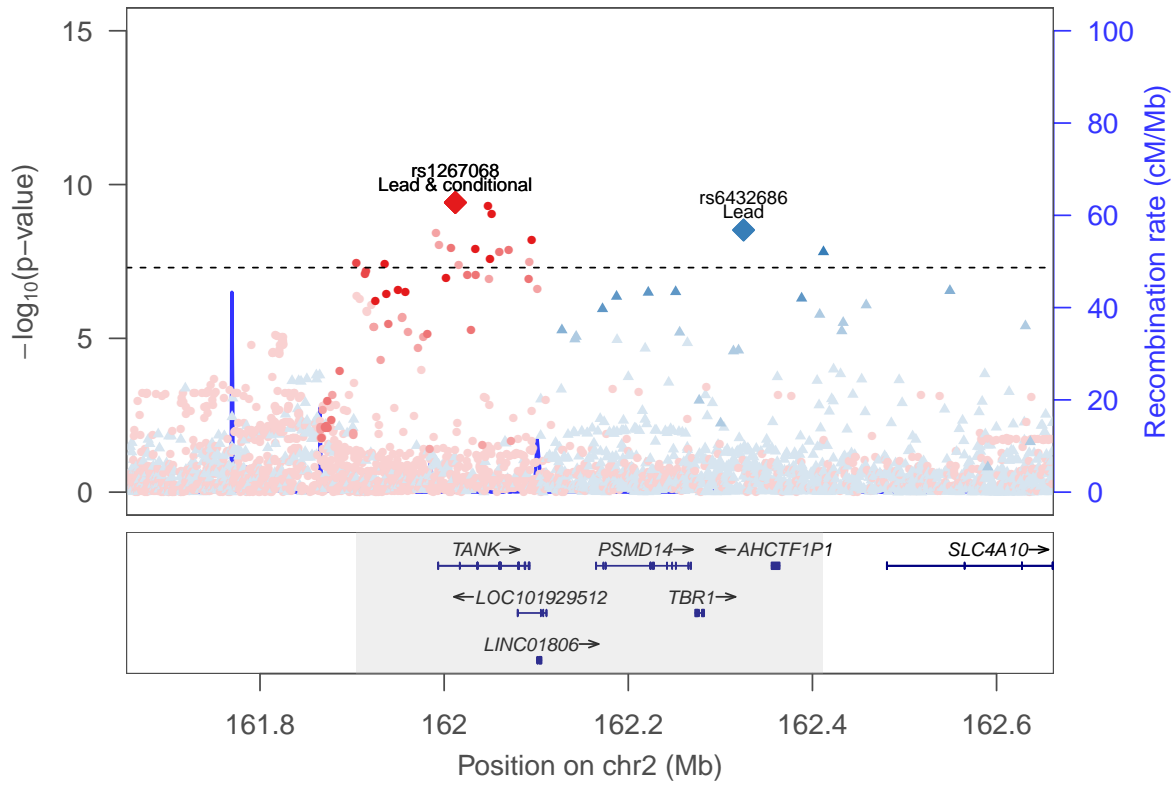
rs74873827 
 rs961414 
 rs2697329 
 rs6714110 
 rs10928235 
 rs74697736 



Ever smoker: locus 33 [chr 2:155.655–156.109Mb]



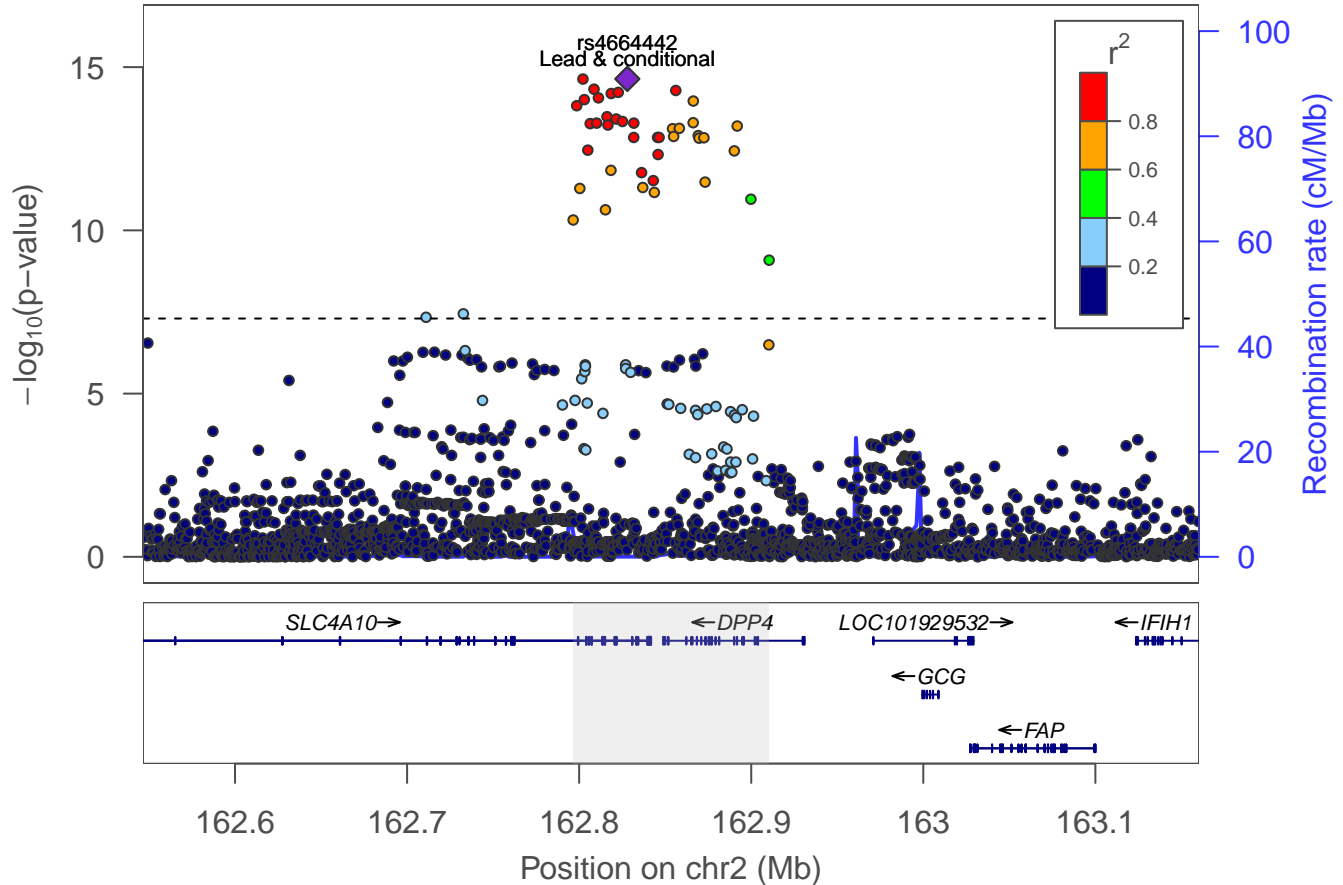
Ever smoker: Locus 34 [chr 2: 161.905–162.412Mb]



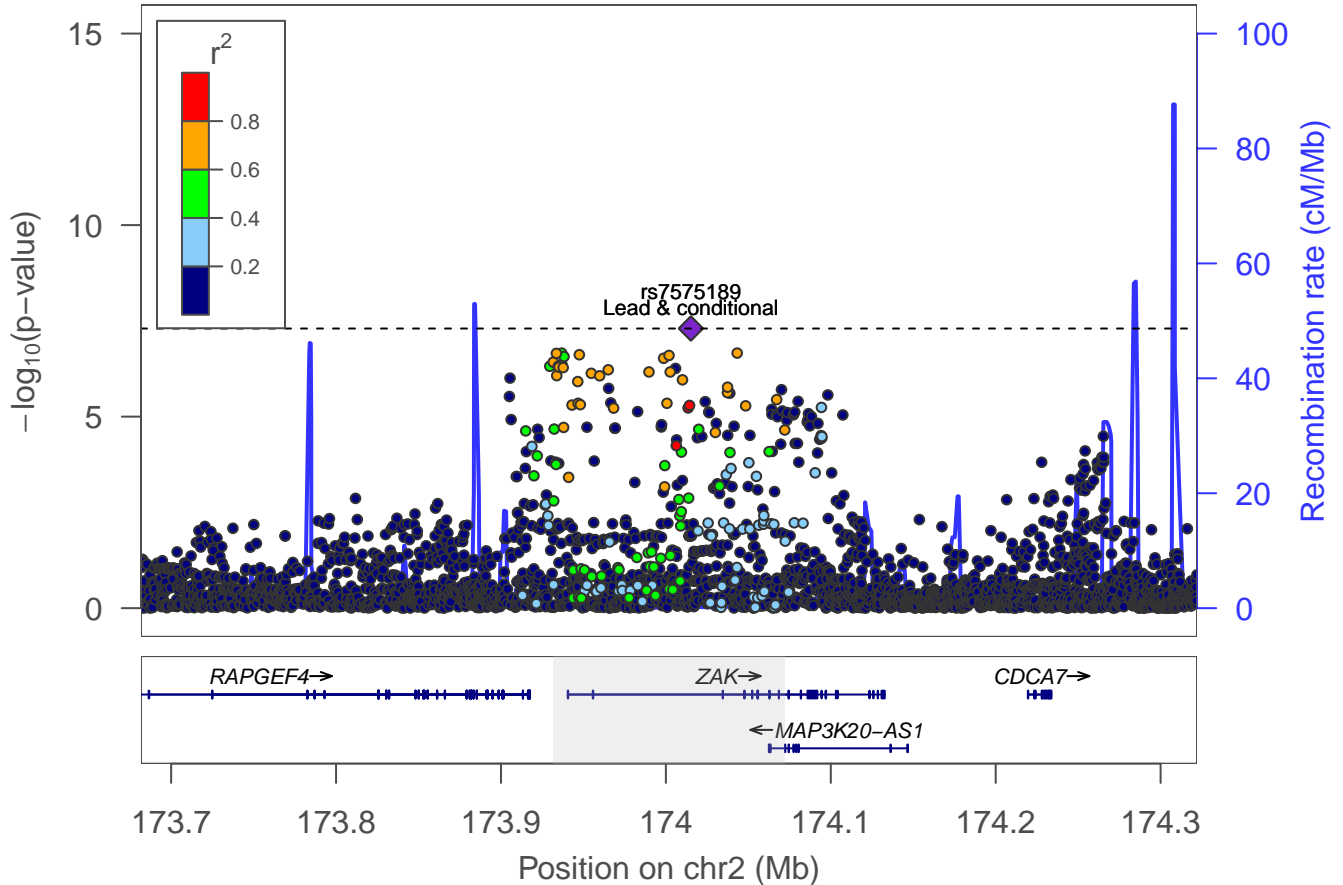
rs6432686 ▲
rs1267068 ●



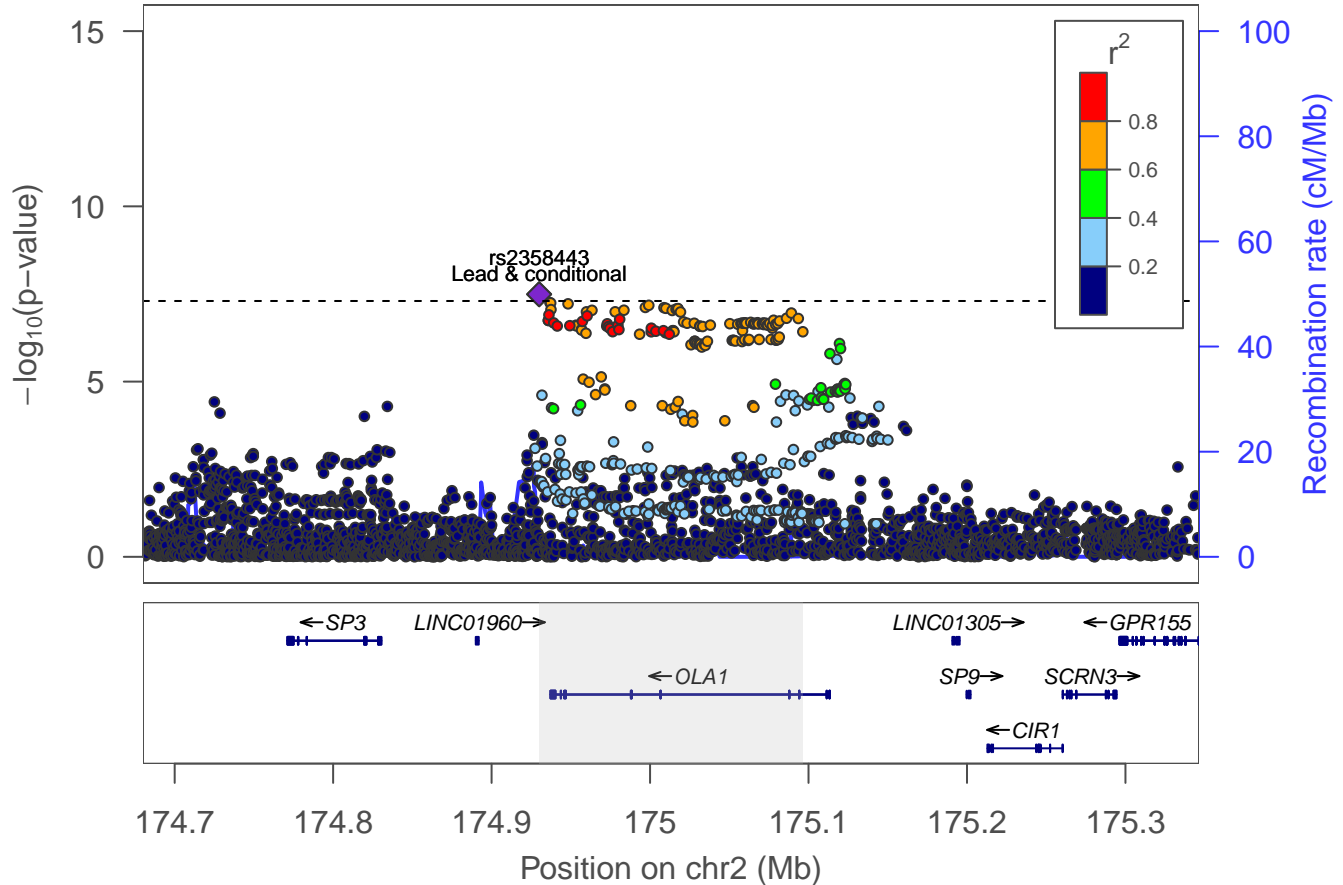
Ever smoker: locus 35 [chr 2:162.797–162.910Mb]



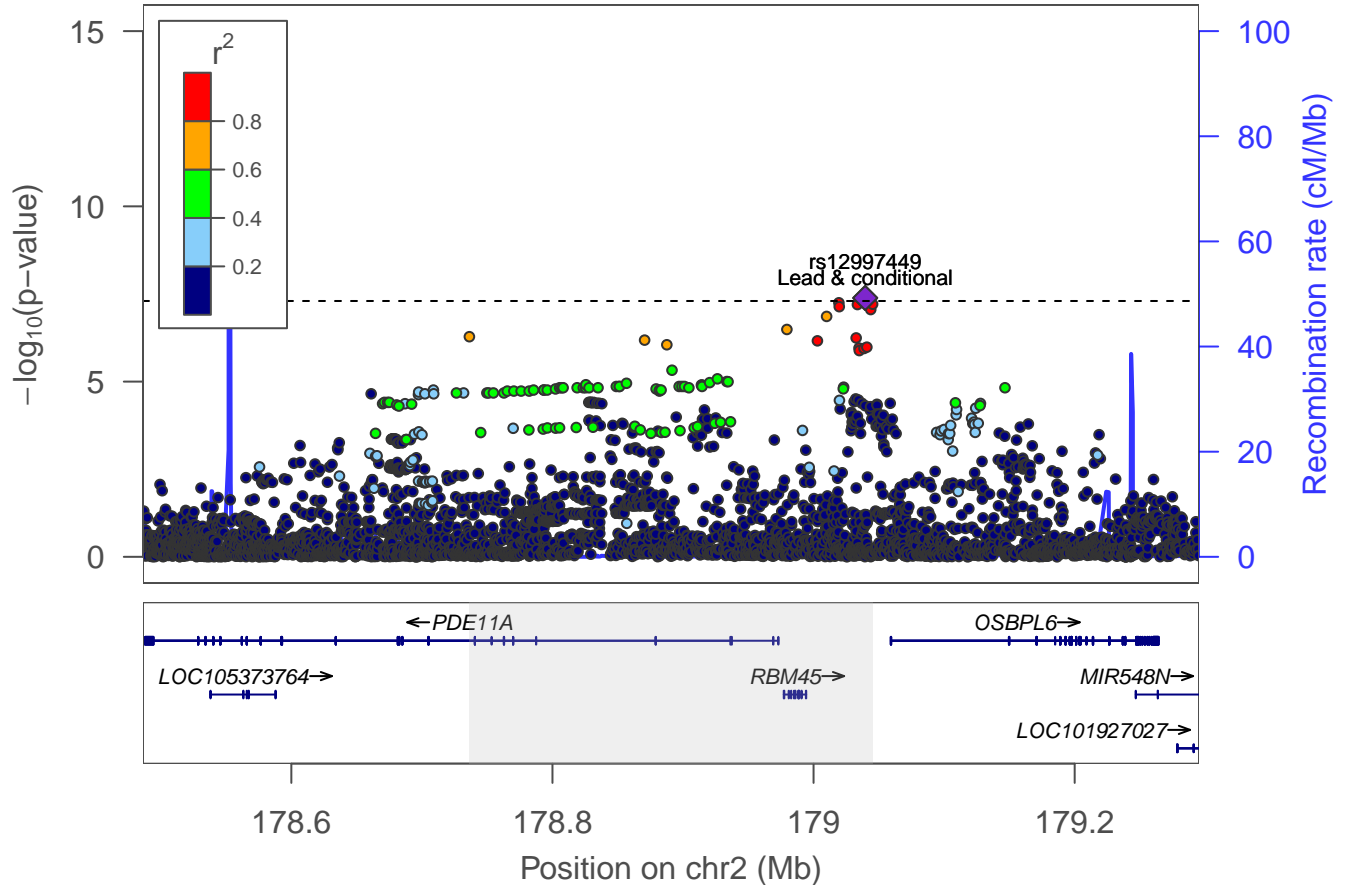
Ever smoker: locus 36 [chr 2:173.932–174.072Mb]



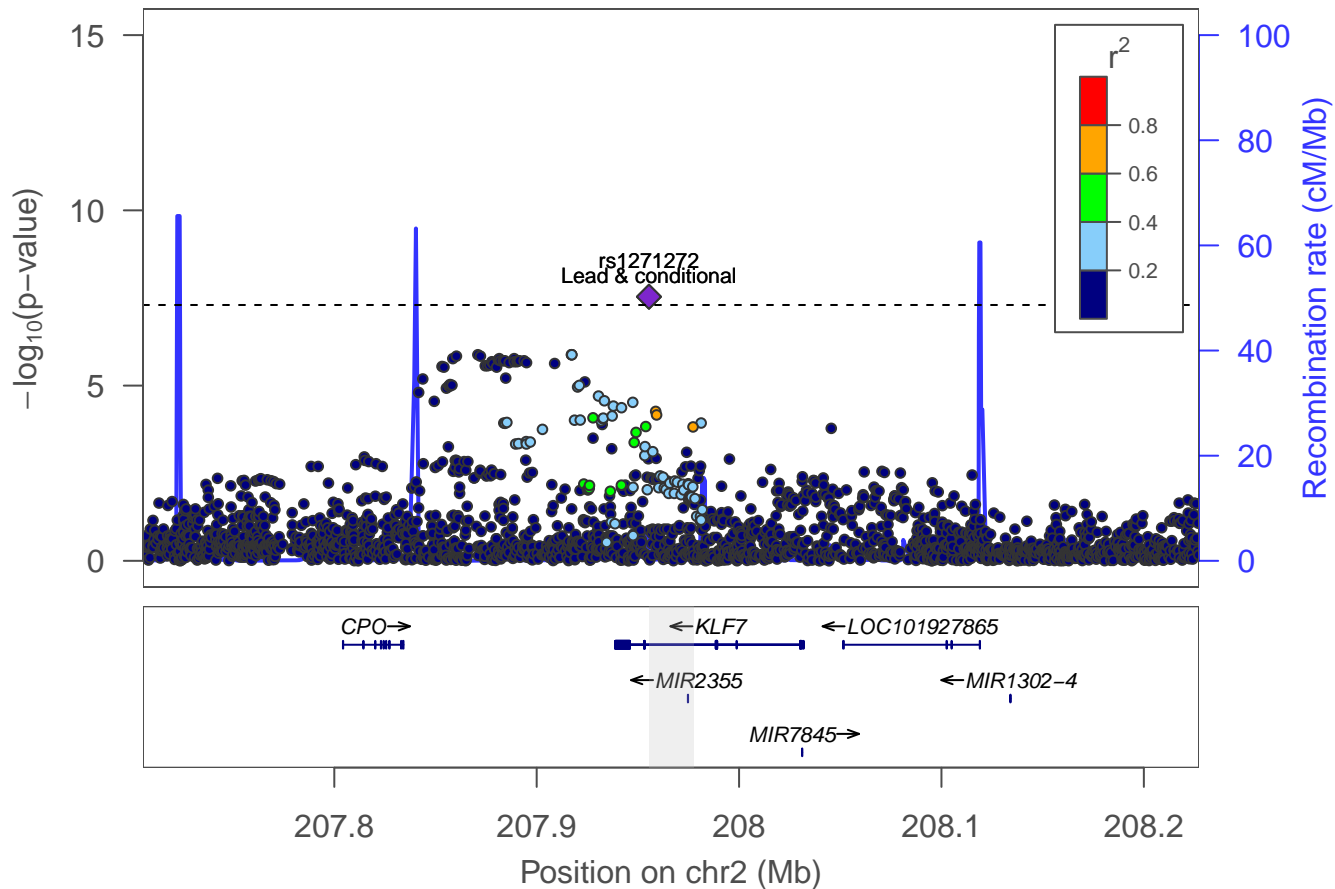
Ever smoker: locus 37 [chr 2:174.930–175.096Mb]



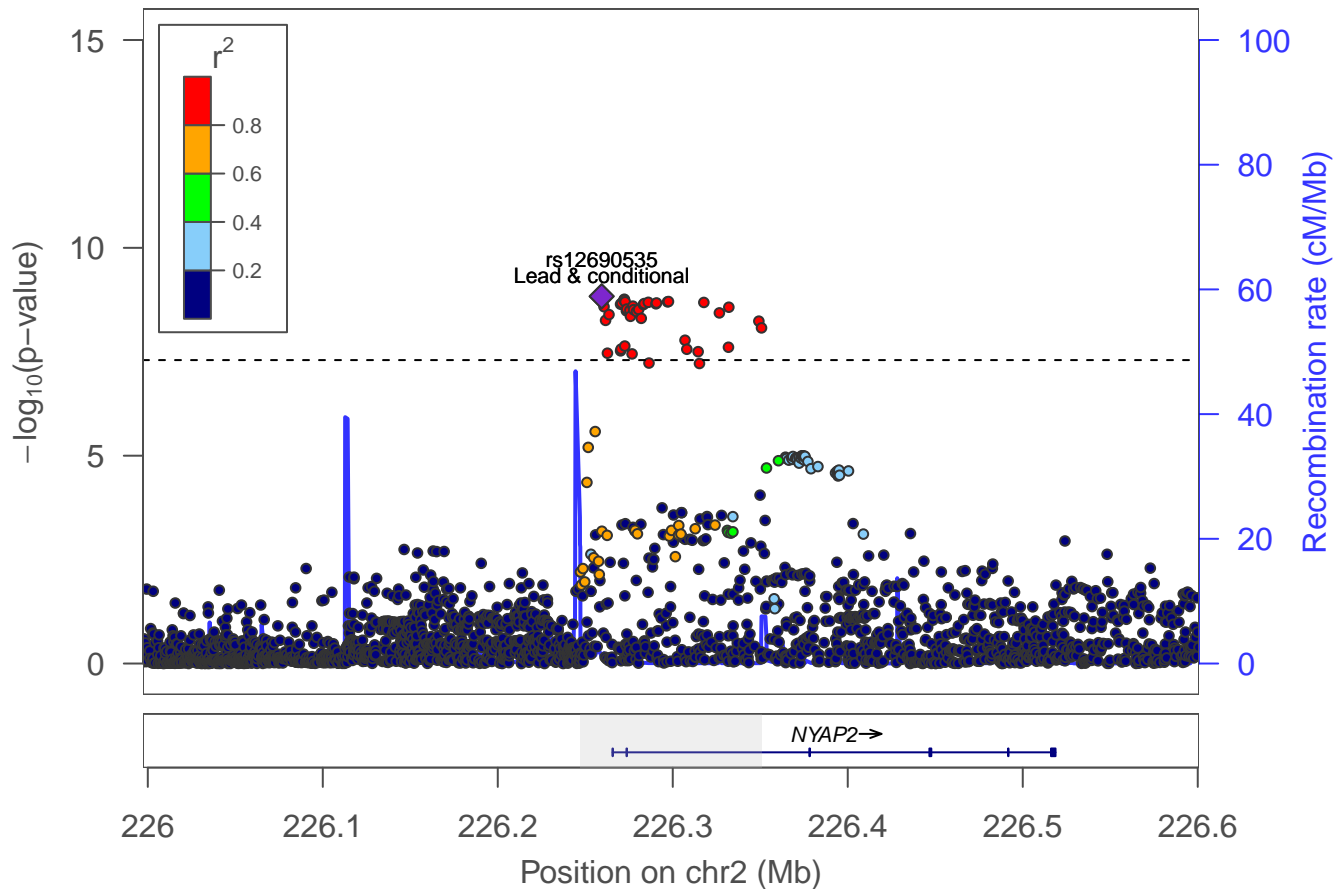
Ever smoker: locus 38 [chr 2:178.736–179.045Mb]



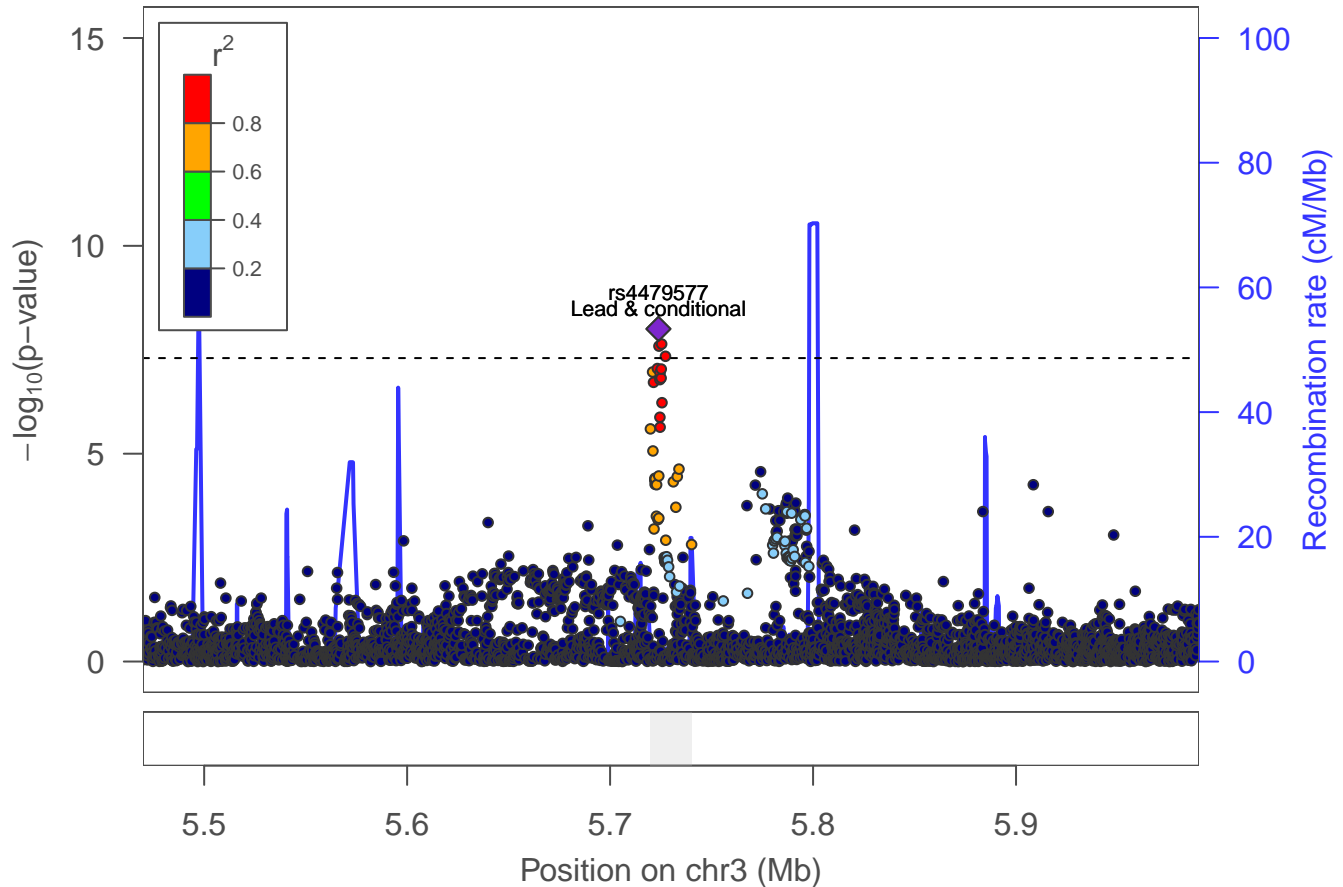
Ever smoker: locus 39 [chr 2:207.955–207.977Mb]



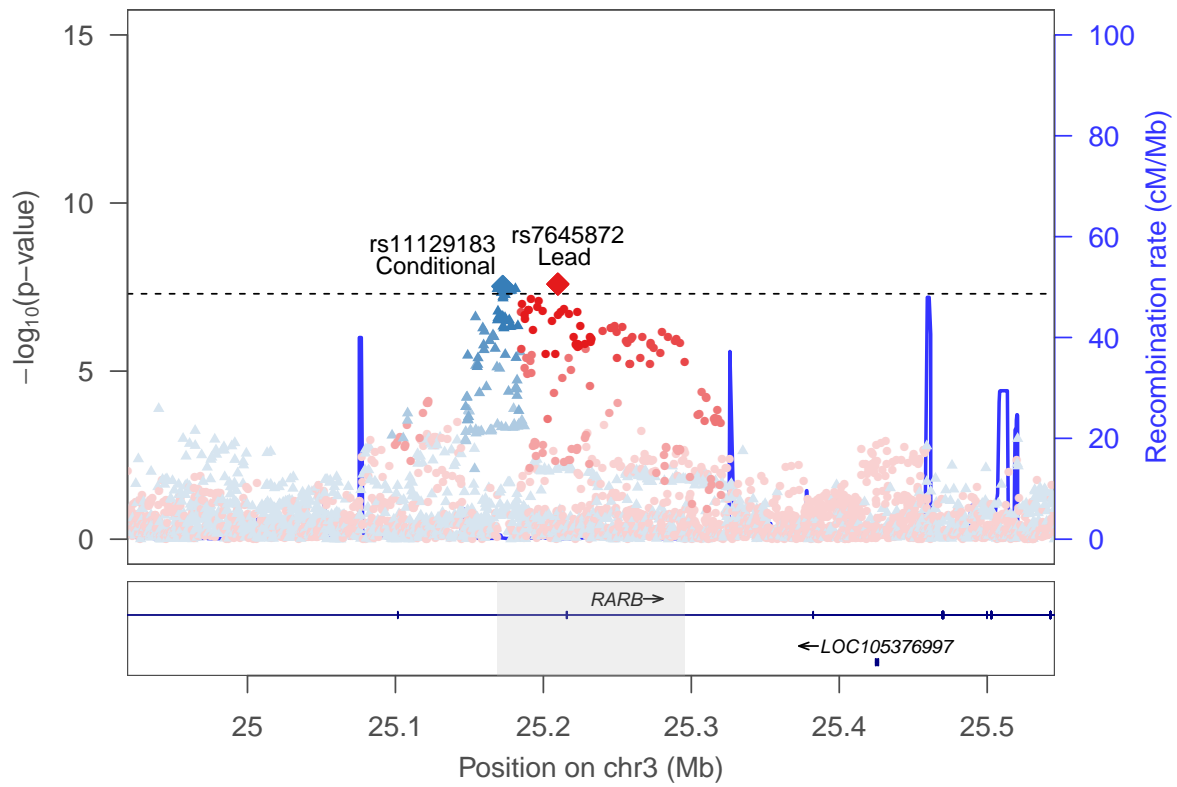
Ever smoker: locus 40 [chr 2:226.247–226.351Mb]



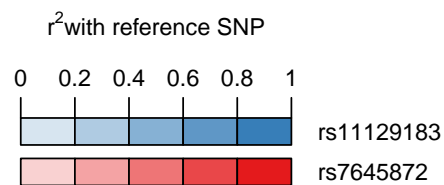
Ever smoker: locus 41 [chr 3:5.720–5.740Mb]



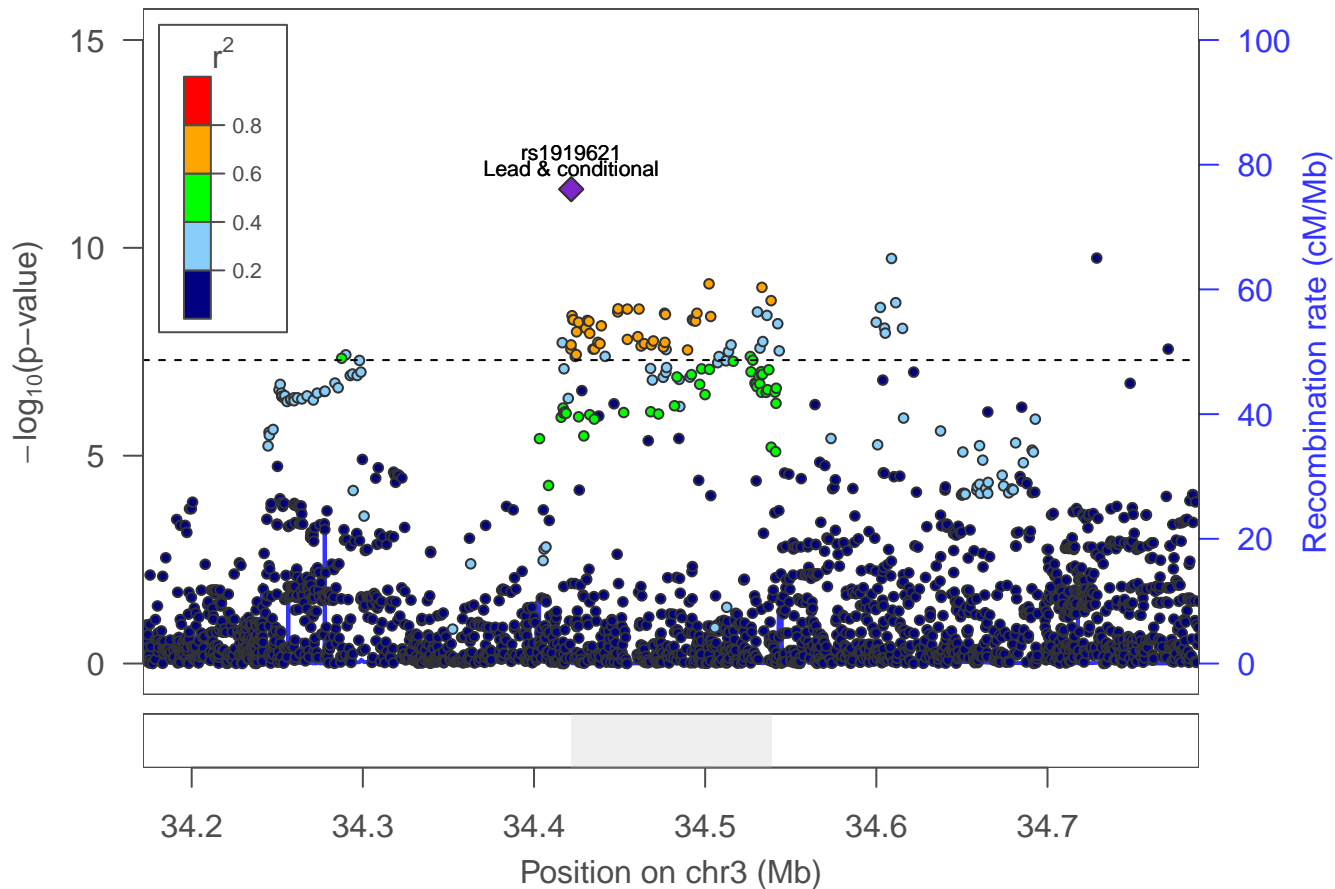
Ever smoker: Locus 42 [chr 3: 25.169–25.296Mb]



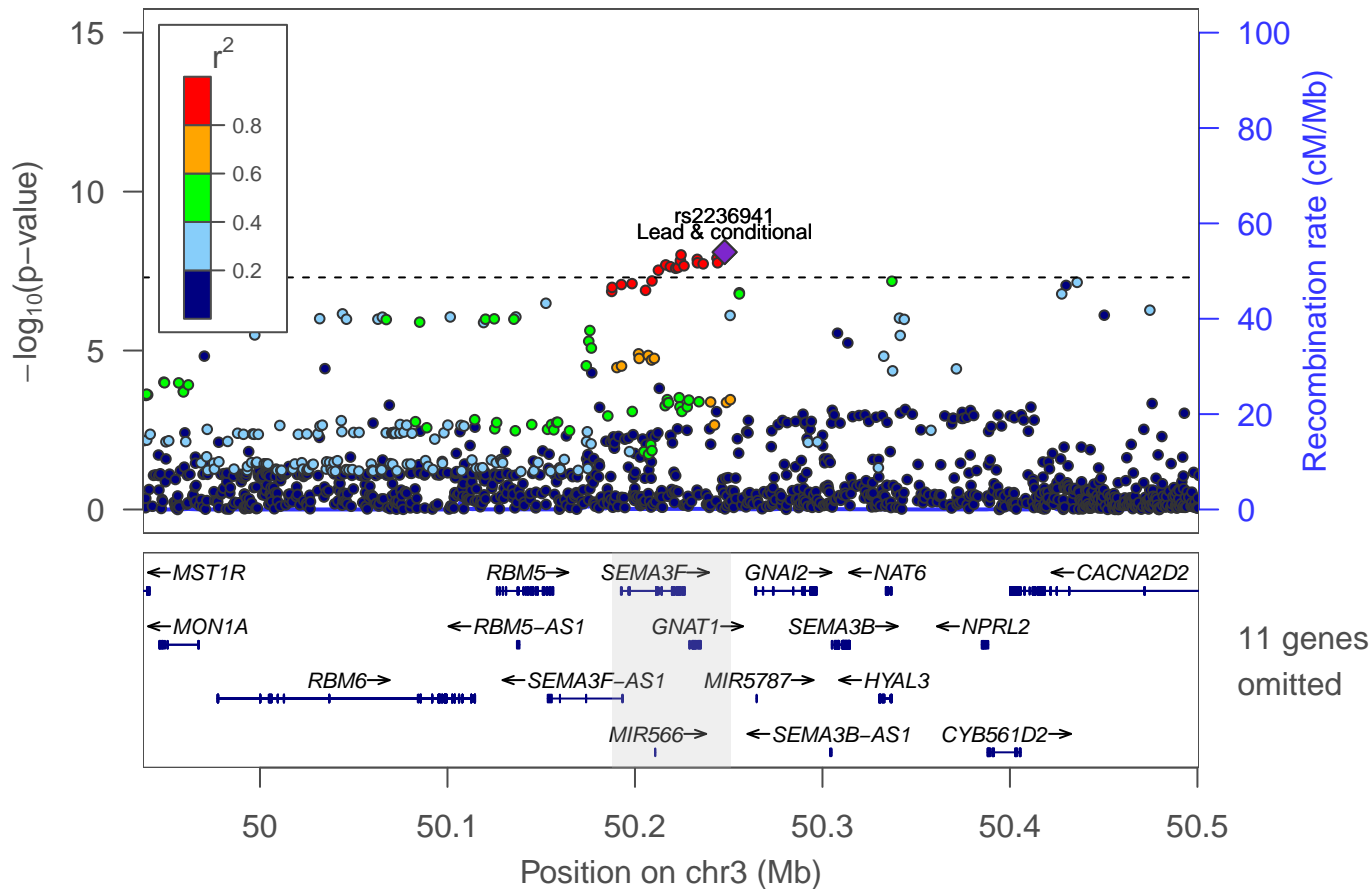
rs11129183 ▲
rs7645872 ●



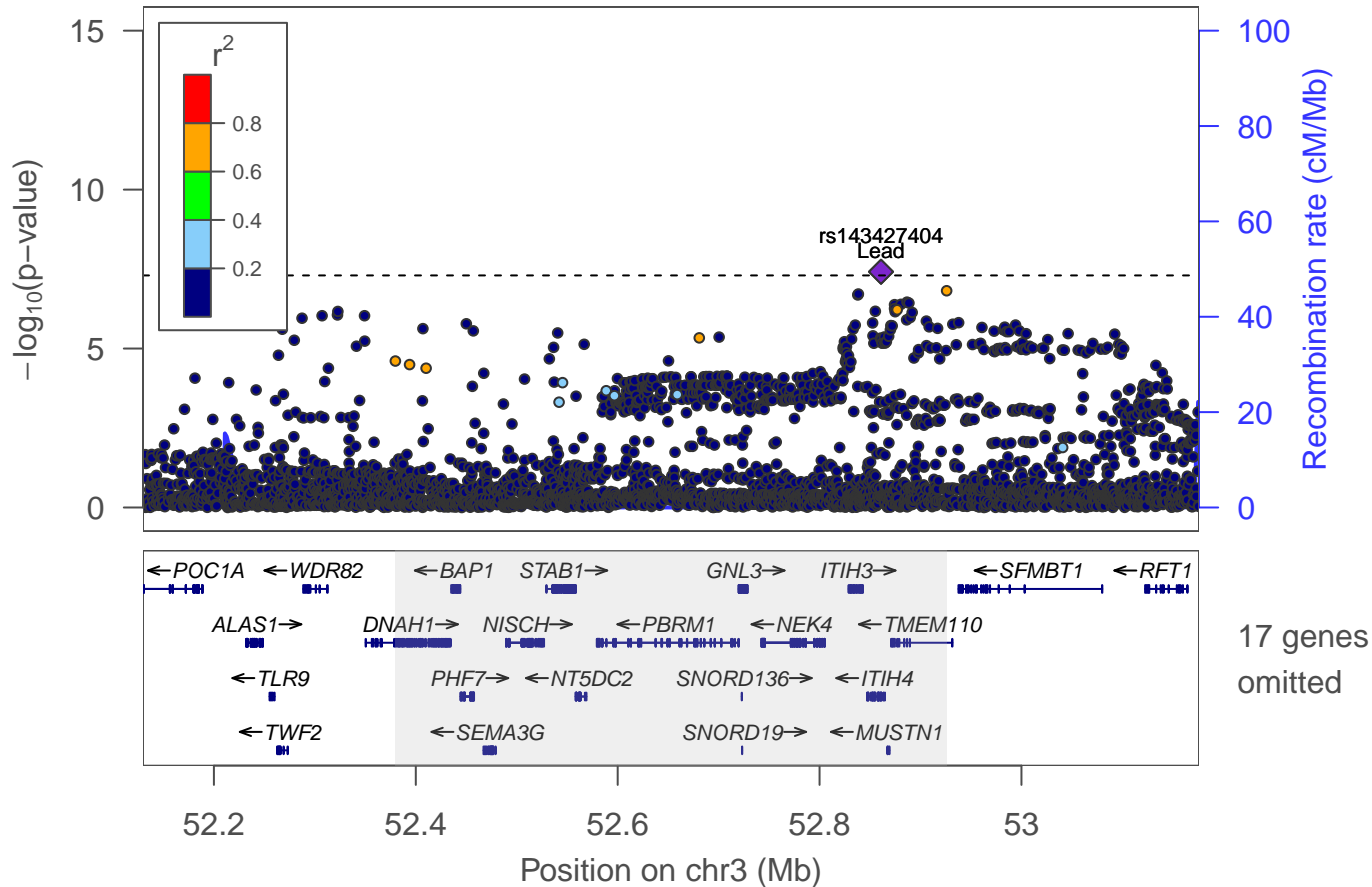
Ever smoker: locus 43 [chr 3:34.422–34.539Mb]



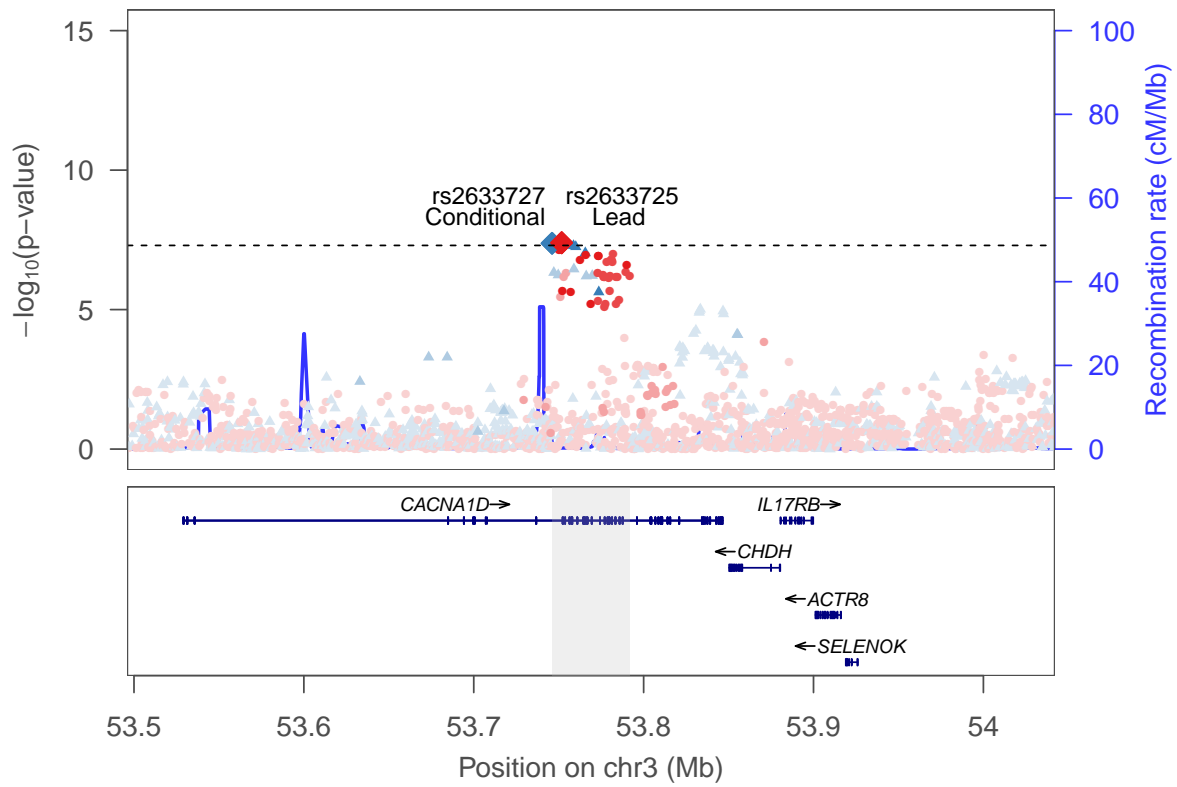
Ever smoker: locus 44 [chr 3:50.188–50.251Mb]



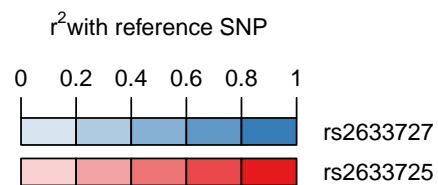
Ever smoker: locus 45 [chr 3:52.380–52.926Mb]



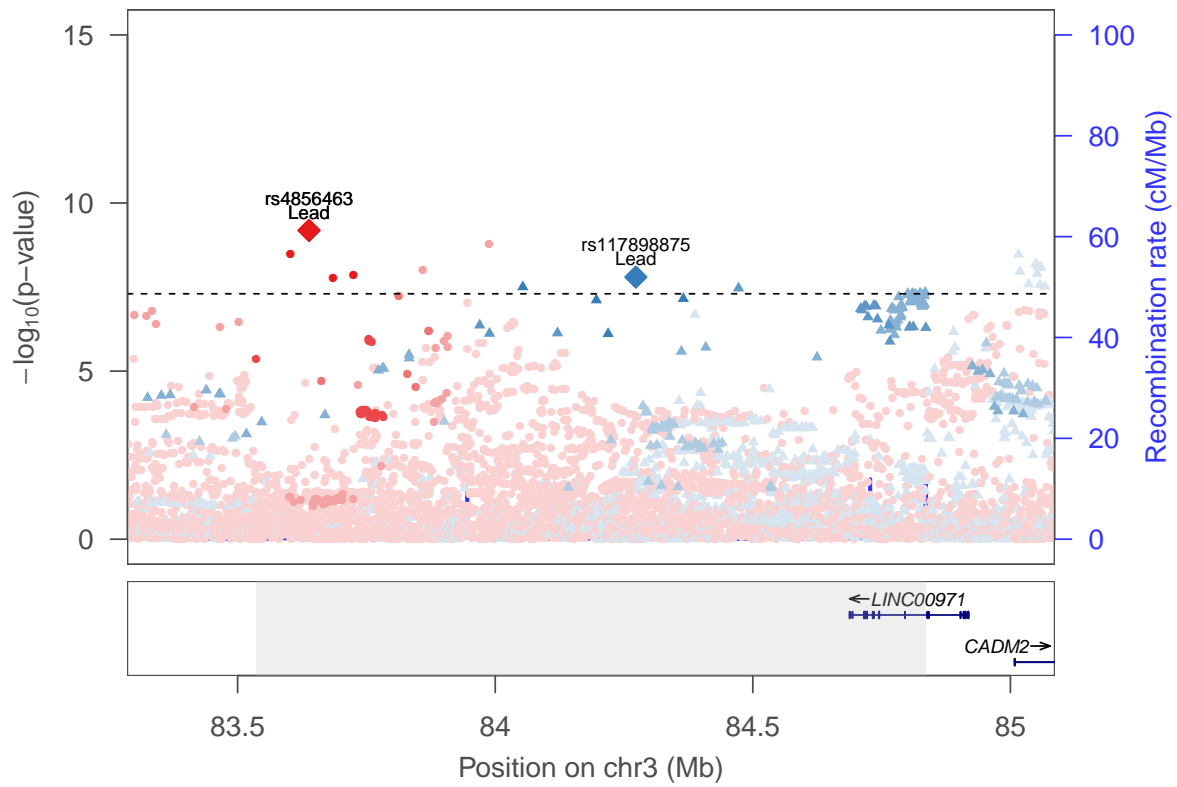
Ever smoker: Locus 46 [chr 3: 53.746–53.792Mb]



rs2633727 ▲
rs2633725 ●



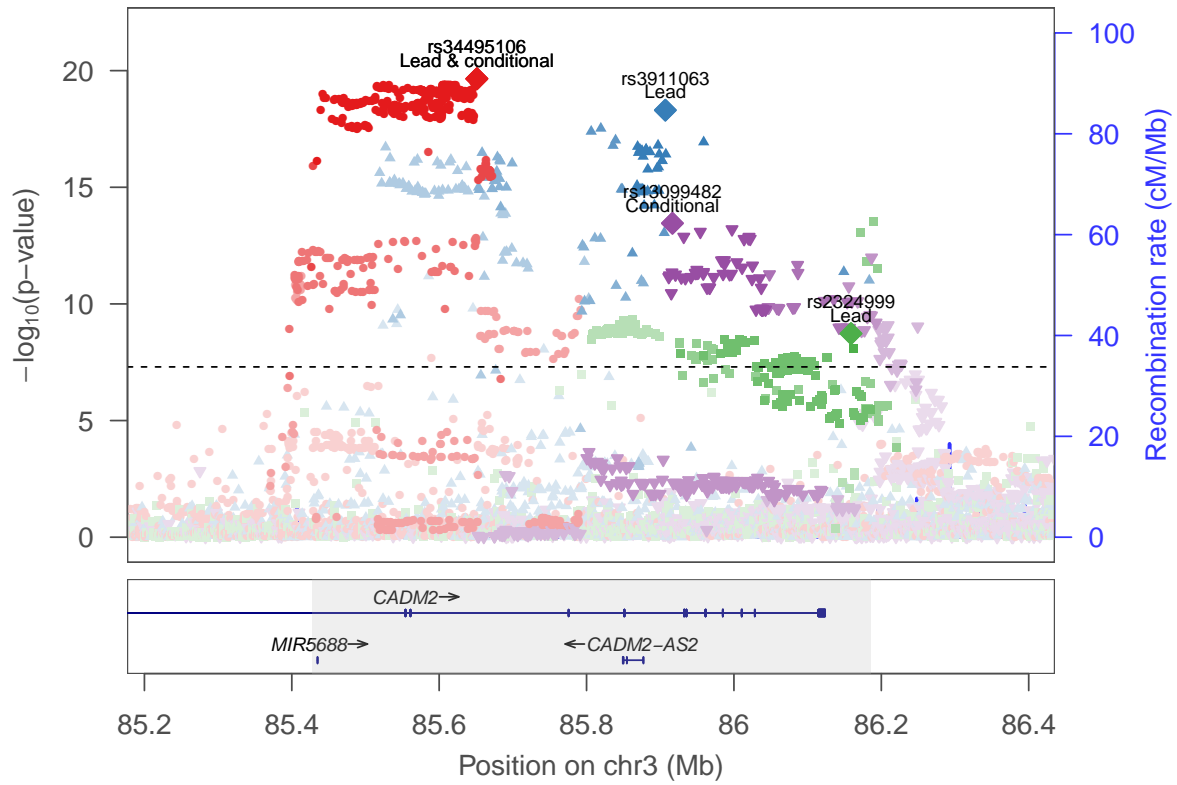
Ever smoker: Locus 47 [chr 3: 83.536–84.836Mb]



rs117898875 ▲
rs4856463 ●

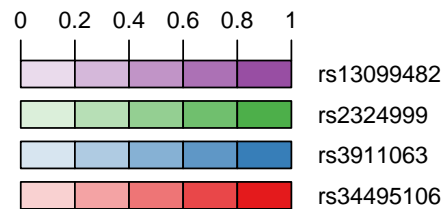


Ever smoker: Locus 48 [chr 3: 85.427–86.185Mb]

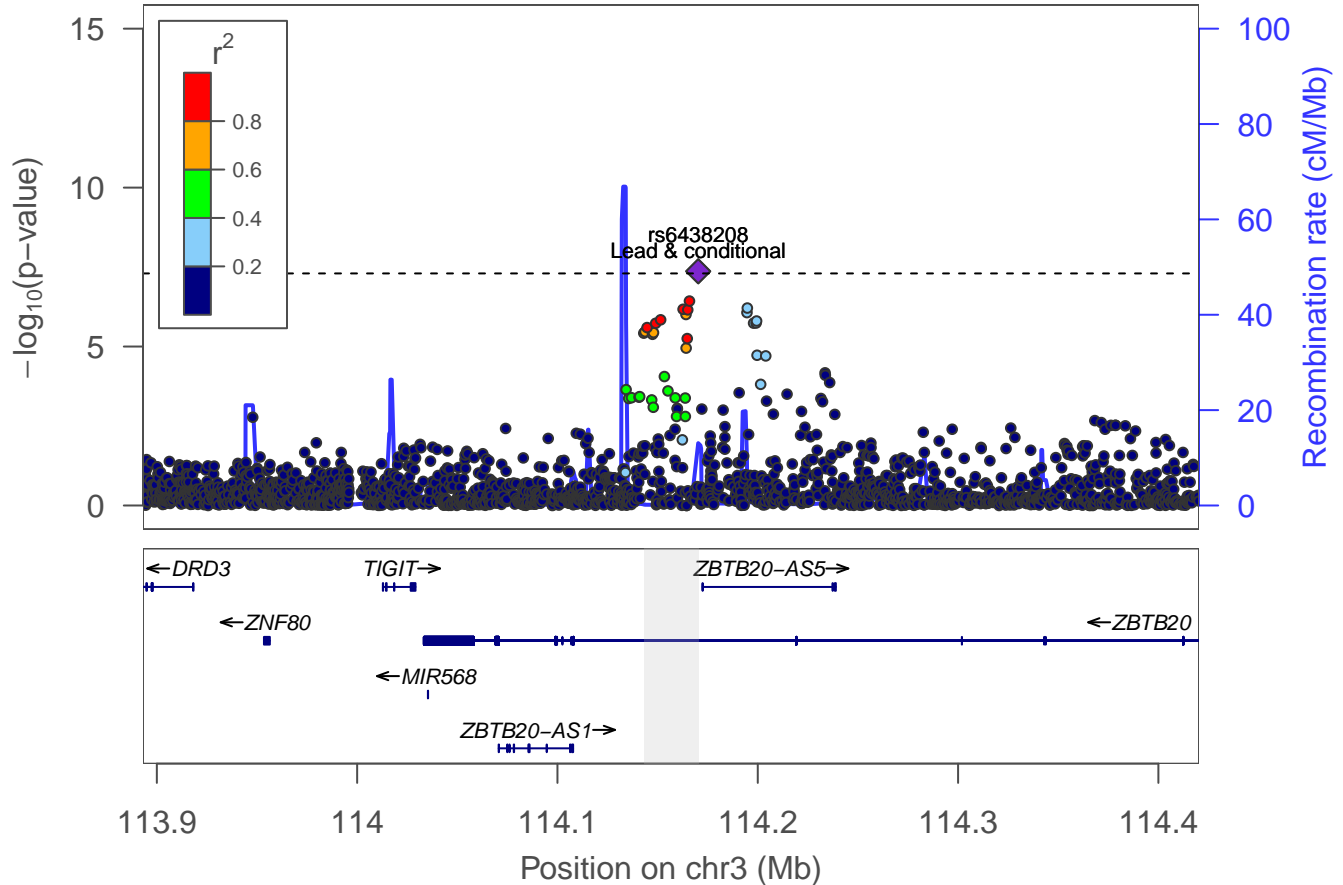


rs13099482 ▾
 rs2324999 ■
 rs3911063 ▲
 rs34495106 ●

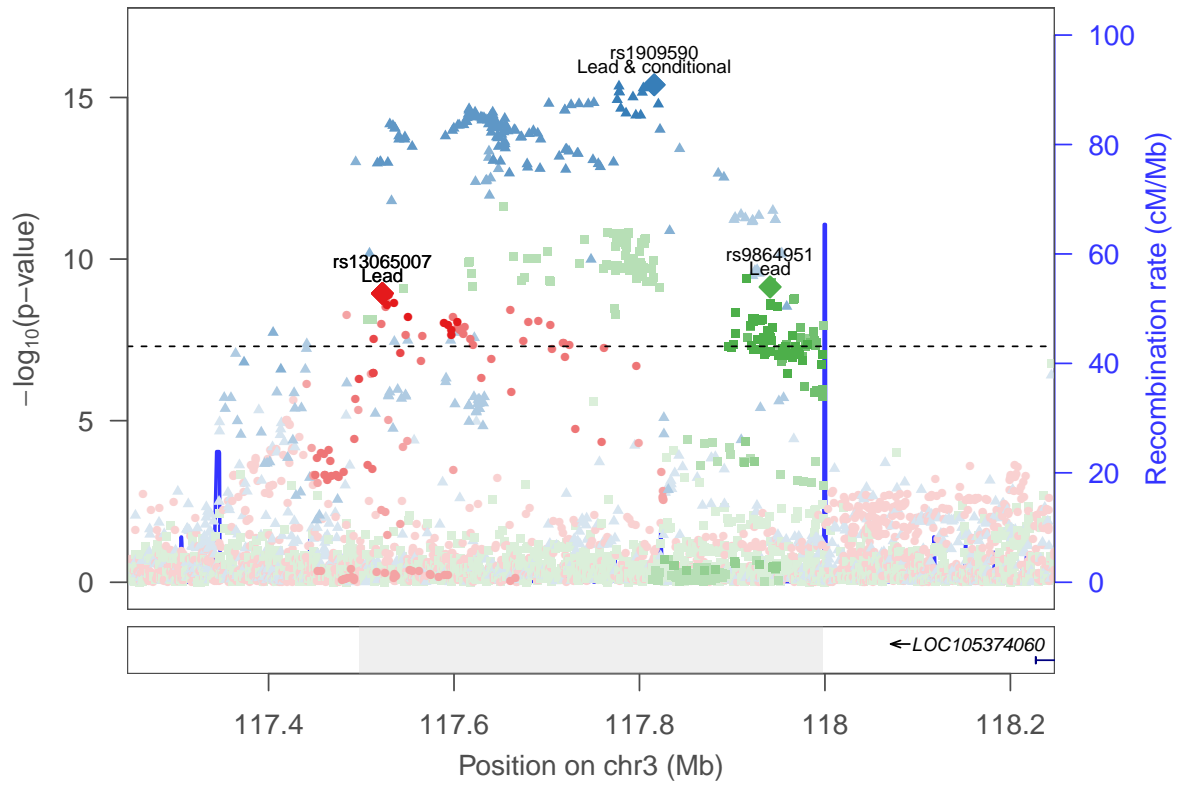
r^2 with reference SNP



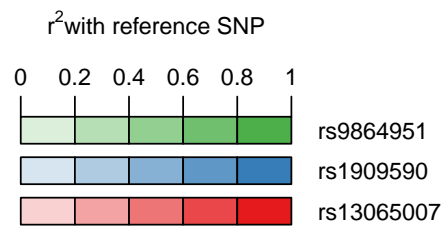
Ever smoker: locus 49 [chr 3:114.143–114.170Mb]



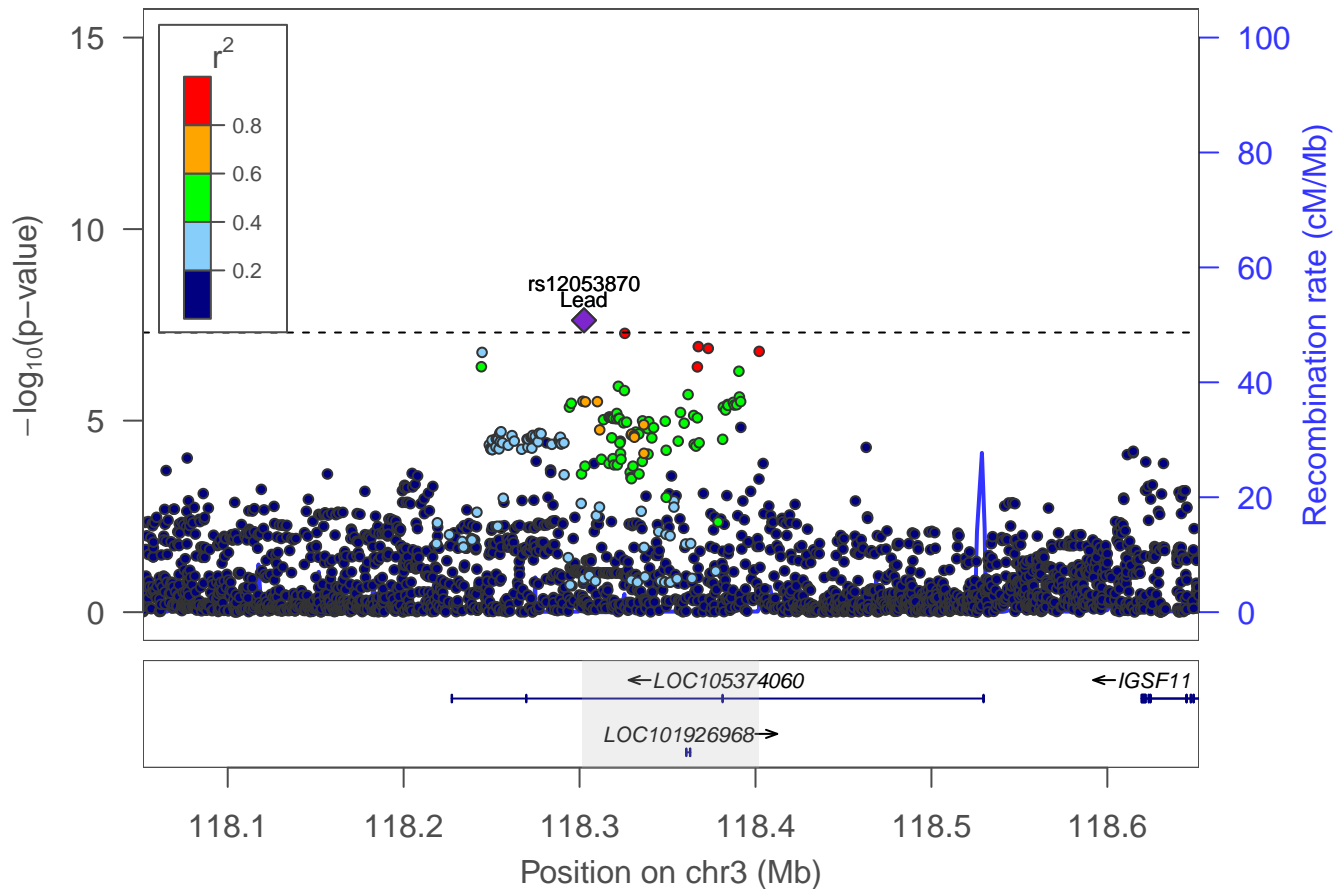
Ever smoker: Locus 50 [chr 3: 117.498–117.998Mb]



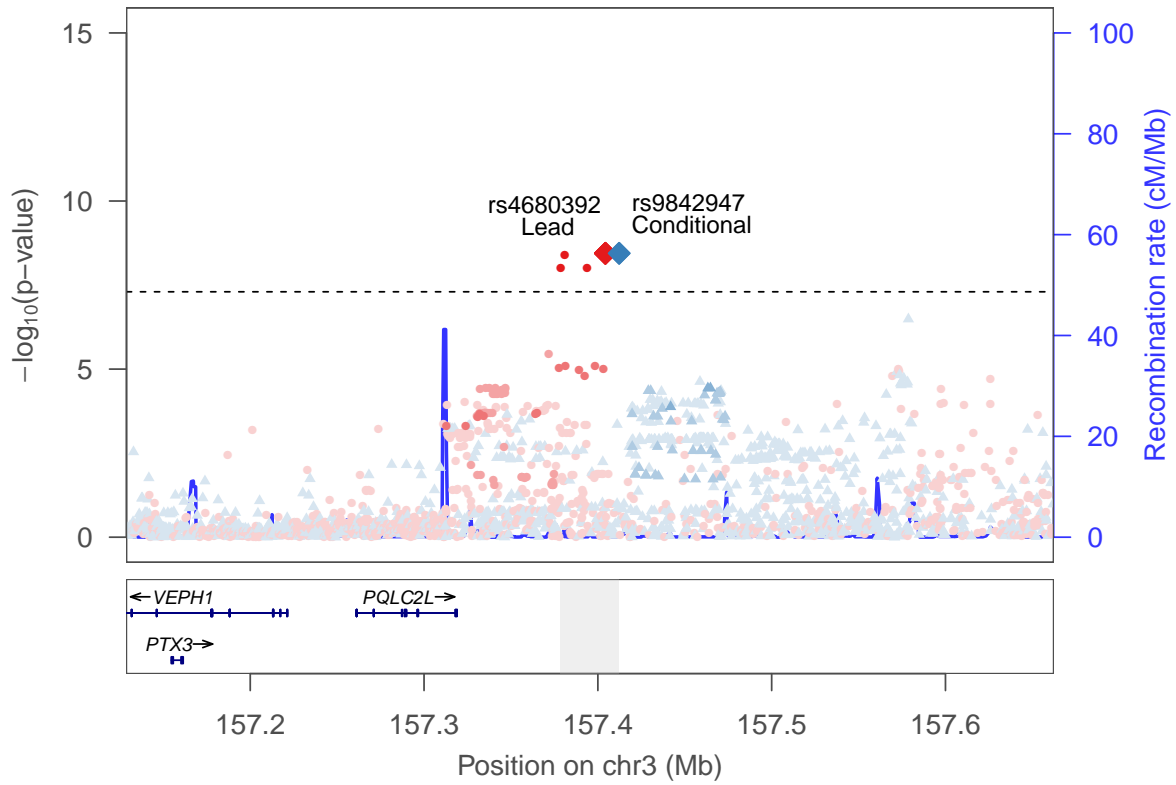
rs9864951 ■
rs1909590 ▲
rs13065007 ●



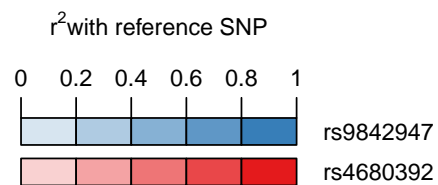
Ever smoker: locus 51 [chr 3:118.302–118.402Mb]



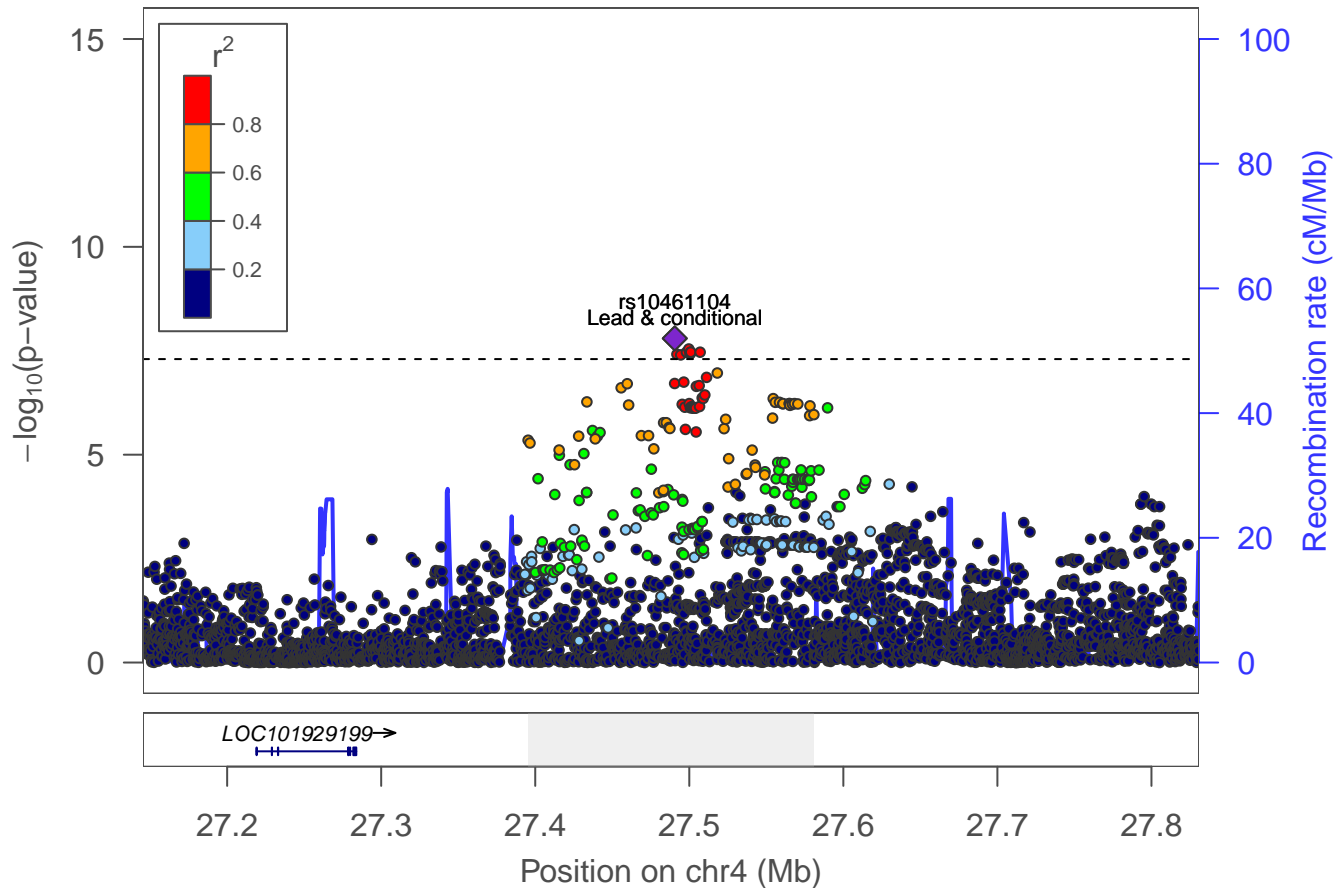
Ever smoker: Locus 52 [chr 3: 157.379–157.412Mb]



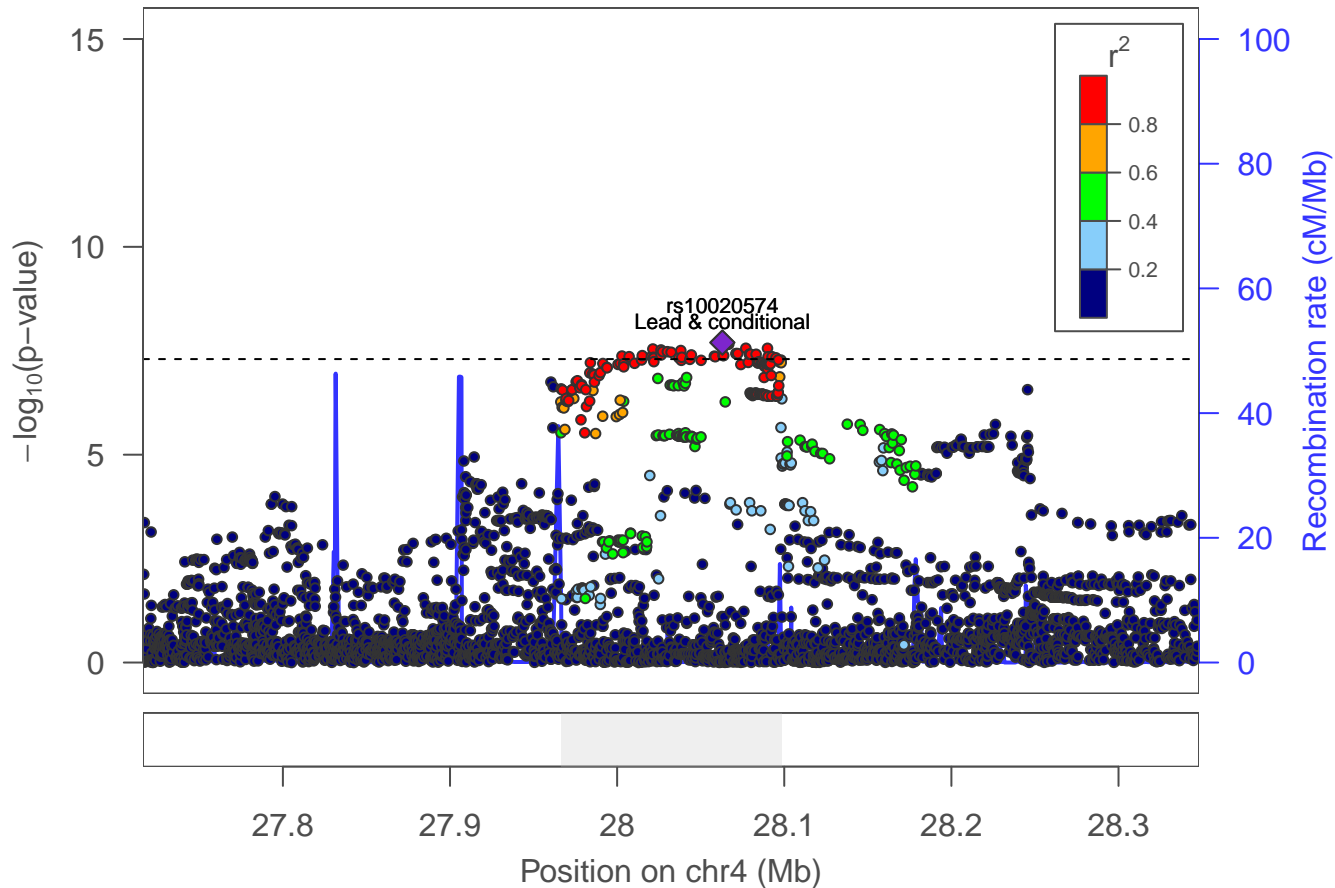
rs9842947 ▲
rs4680392 ●



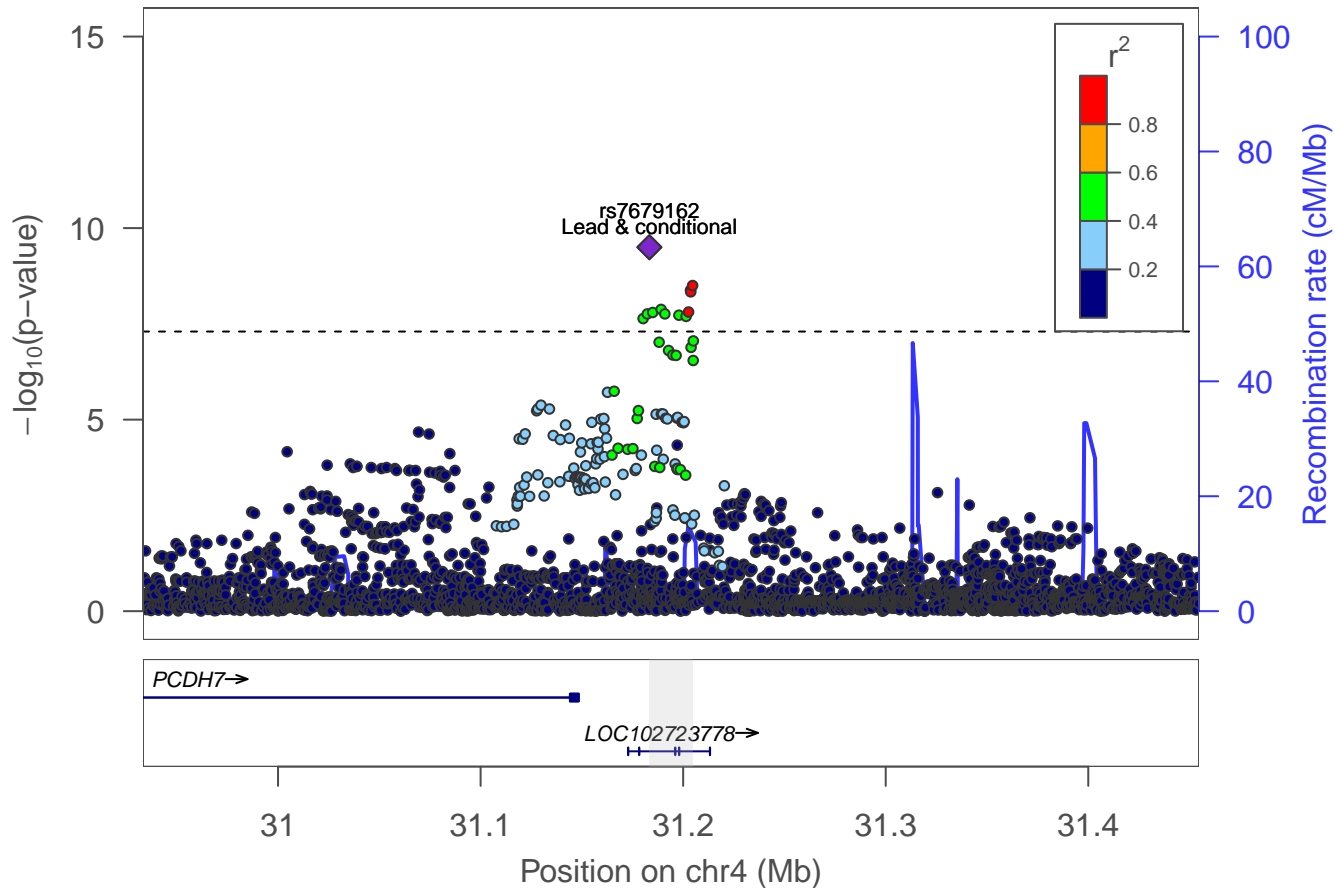
Ever smoker: locus 53 [chr 4:27.395–27.581Mb]



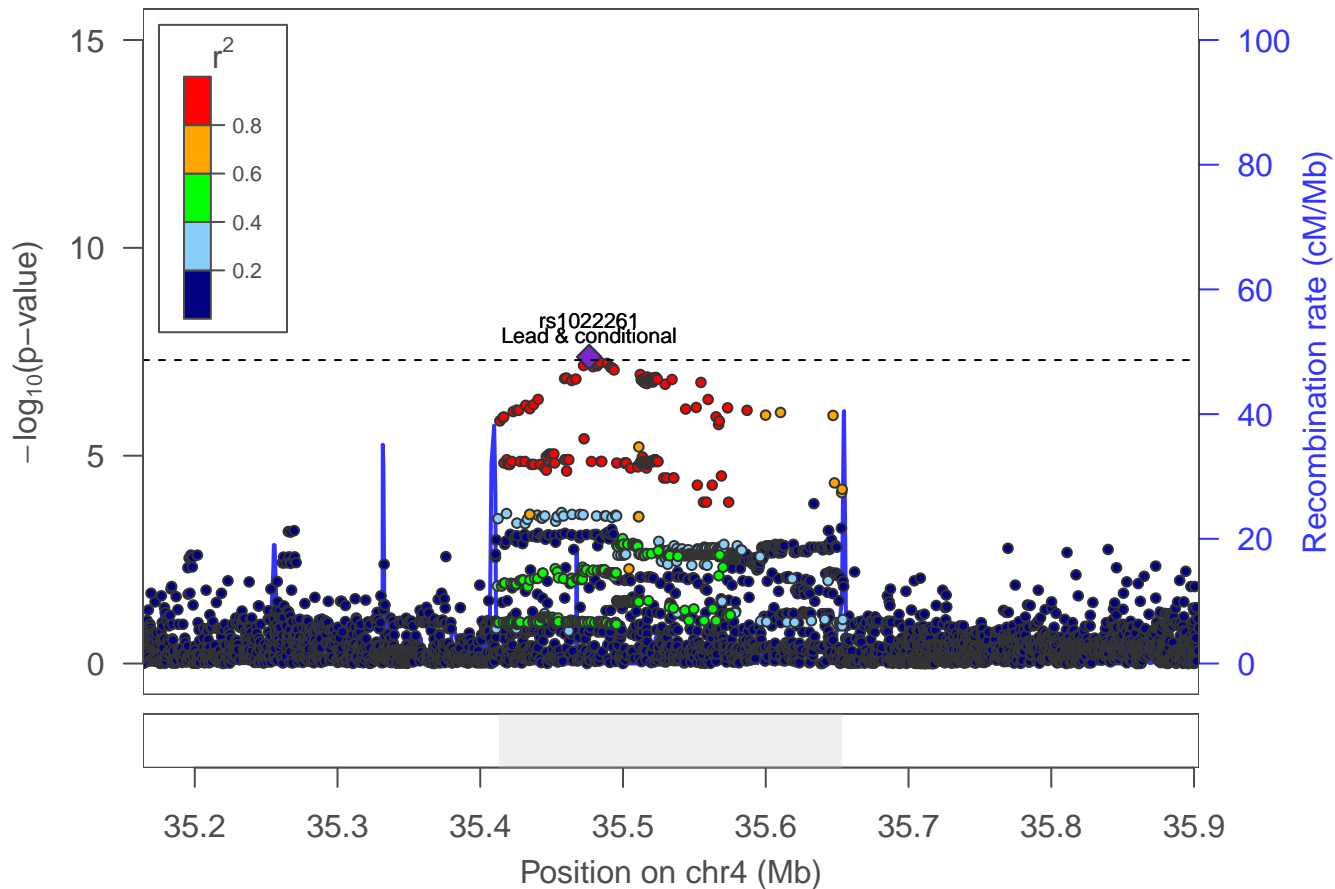
Ever smoker: locus 54 [chr 4:27.966–28.098Mb]



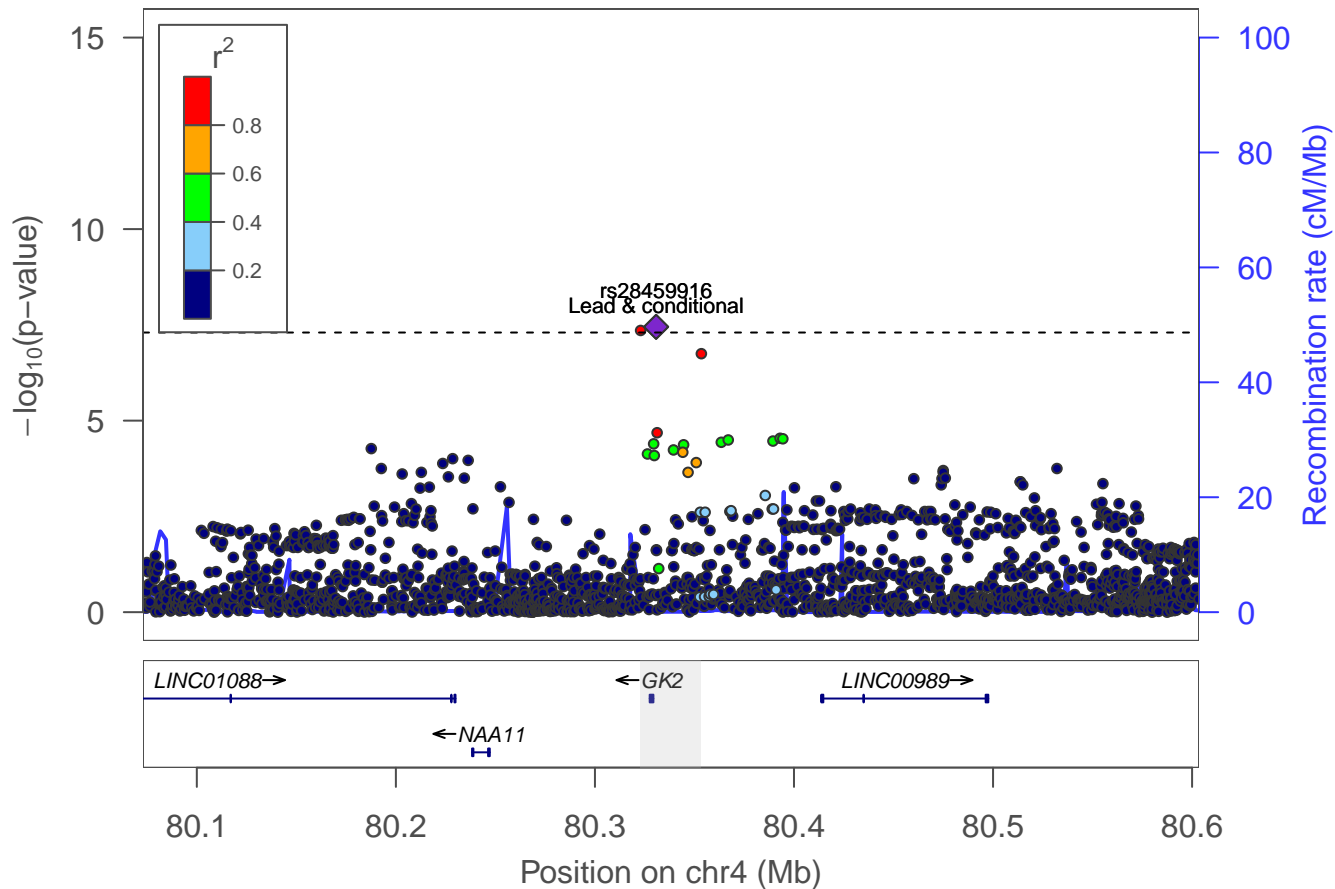
Ever smoker: locus 55 [chr 4:31.183–31.205Mb]



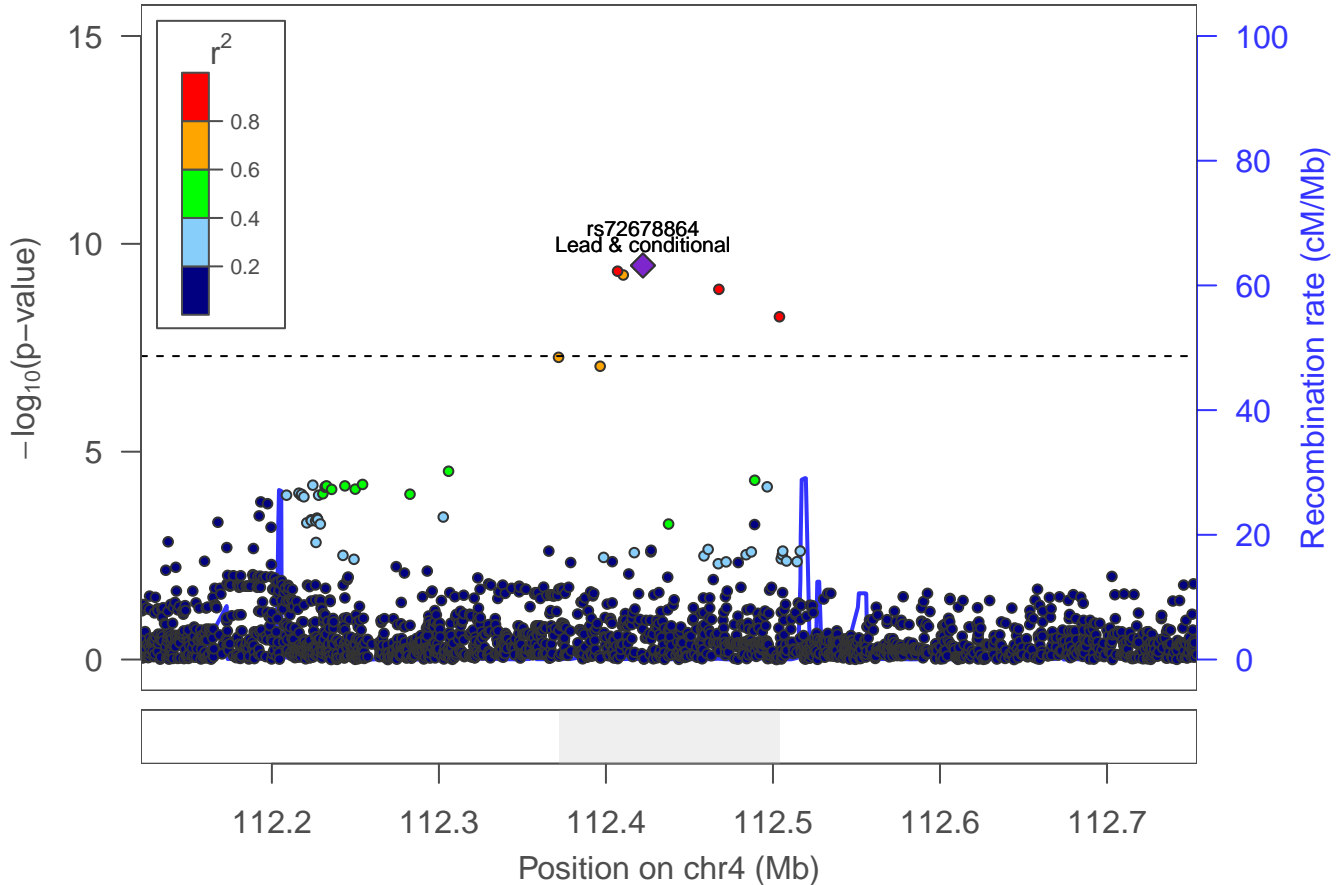
Ever smoker: locus 56 [chr 4:35.414–35.653Mb]



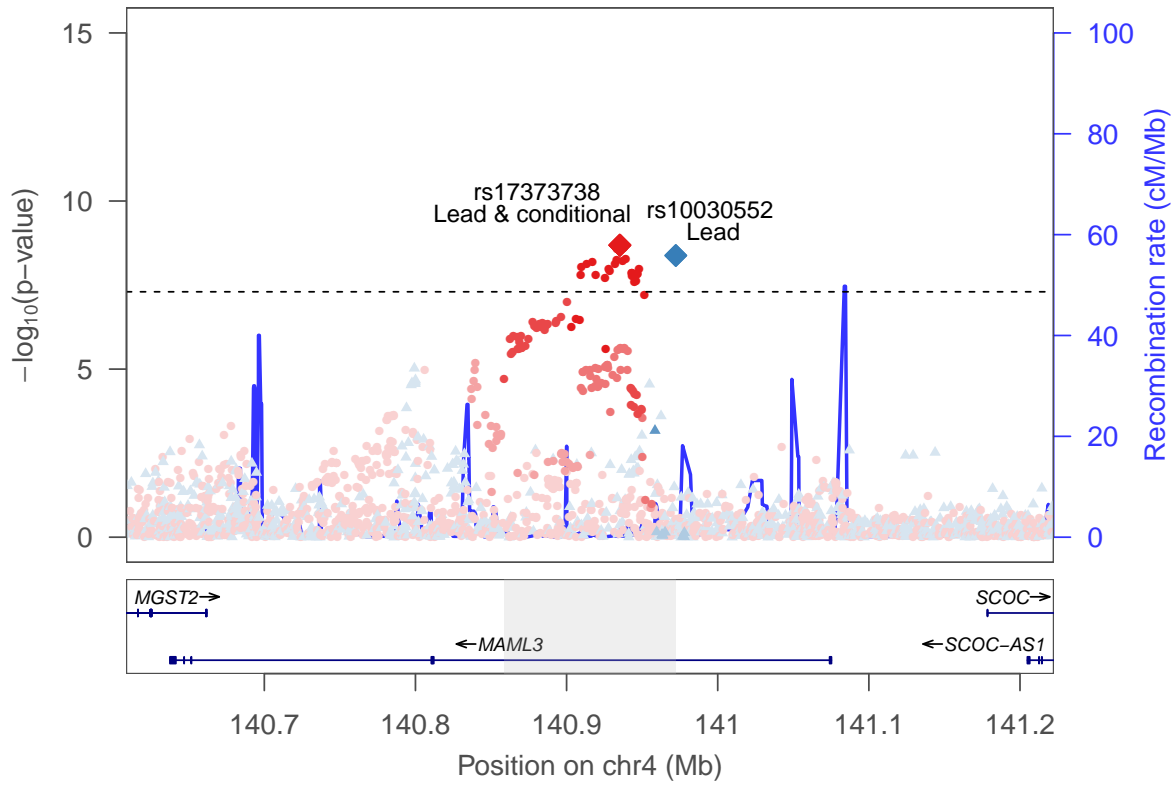
Ever smoker: locus 57 [chr 4:80.323–80.353Mb]



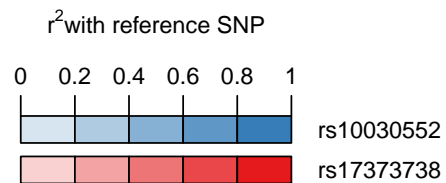
Ever smoker: locus 58 [chr 4:112.372–112.504Mb]



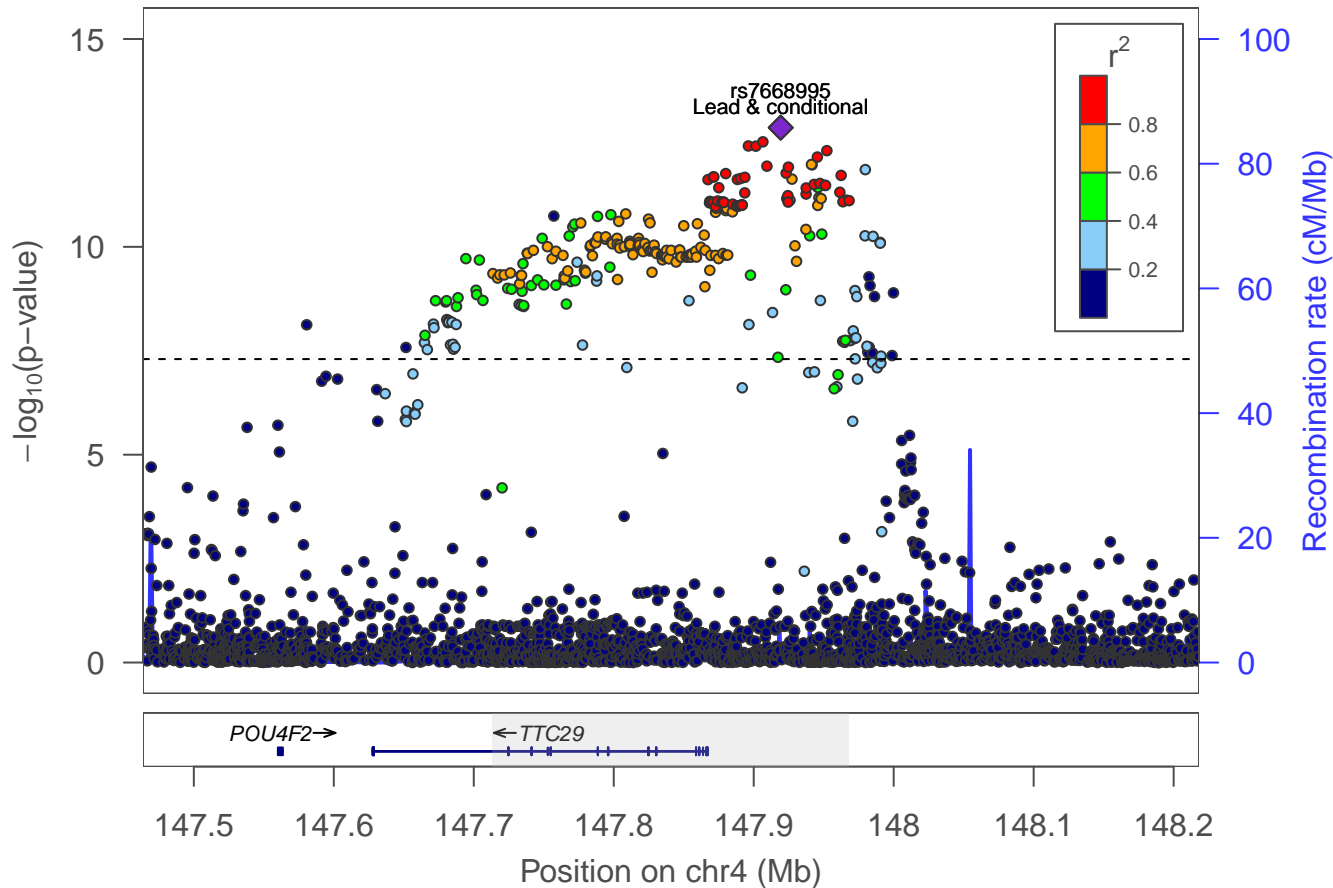
Ever smoker: Locus 59 [chr 4: 140.859–140.972Mb]



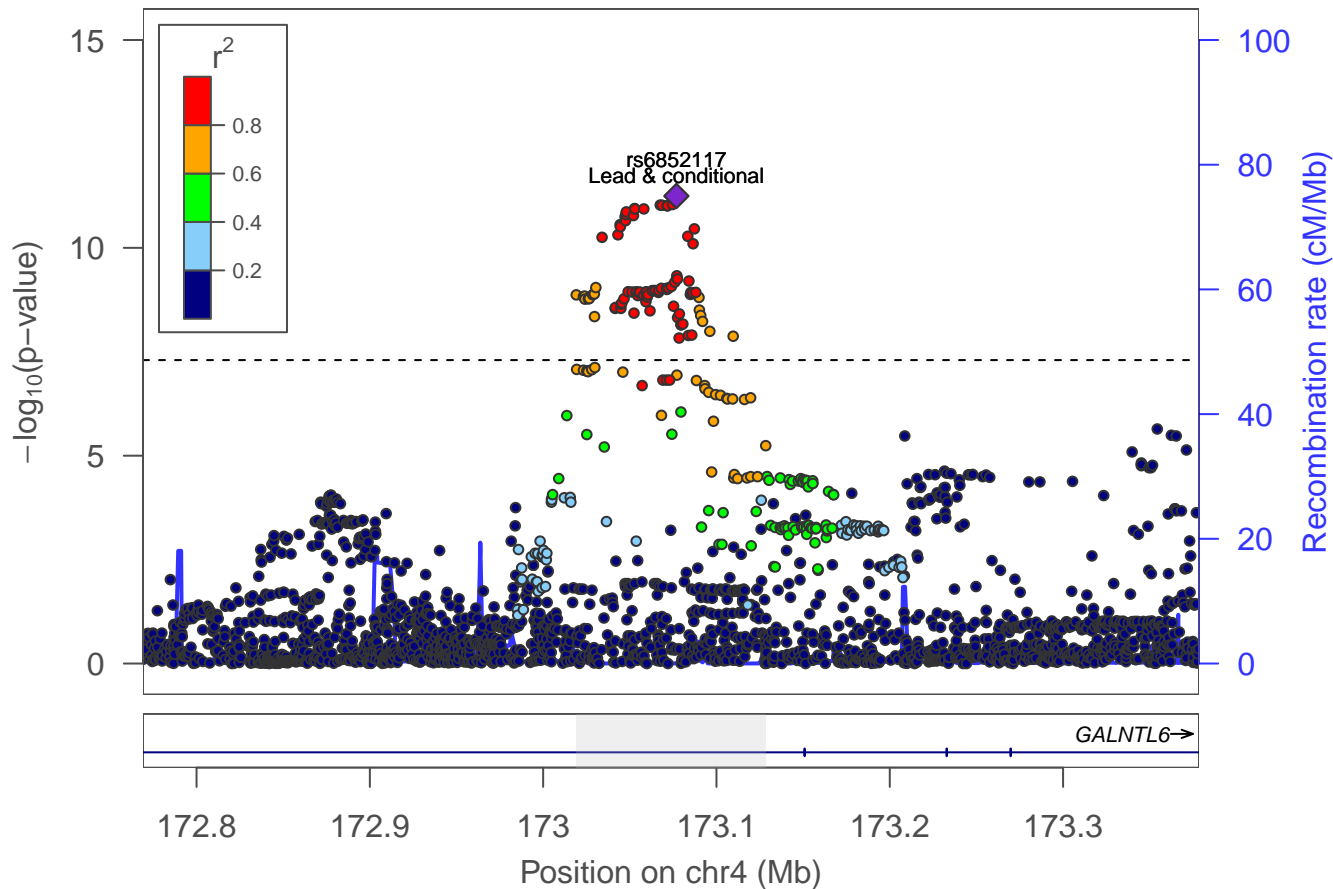
rs10030552 ▲
rs17373738 ●



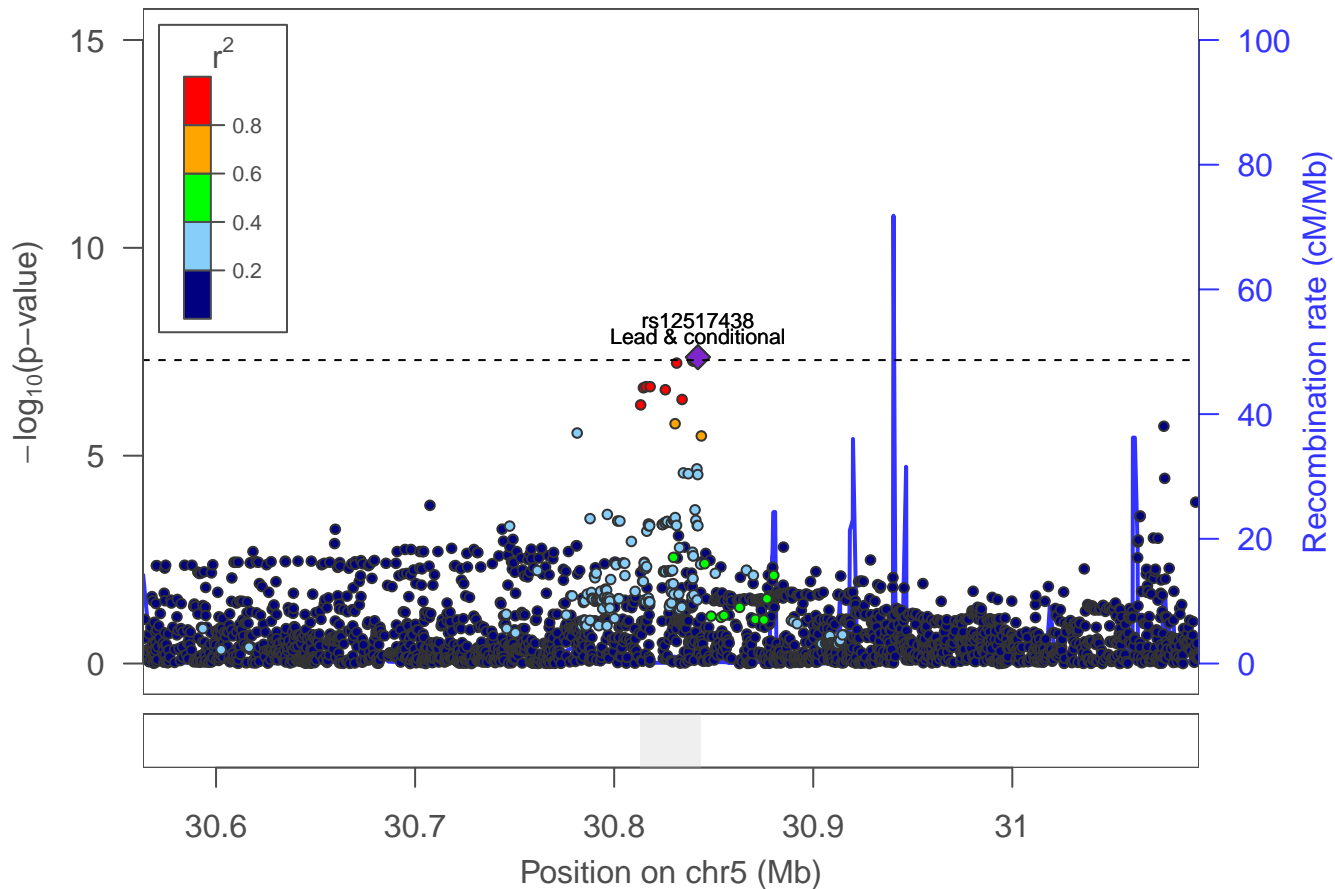
Ever smoker: locus 60 [chr 4:147.714–147.968Mb]



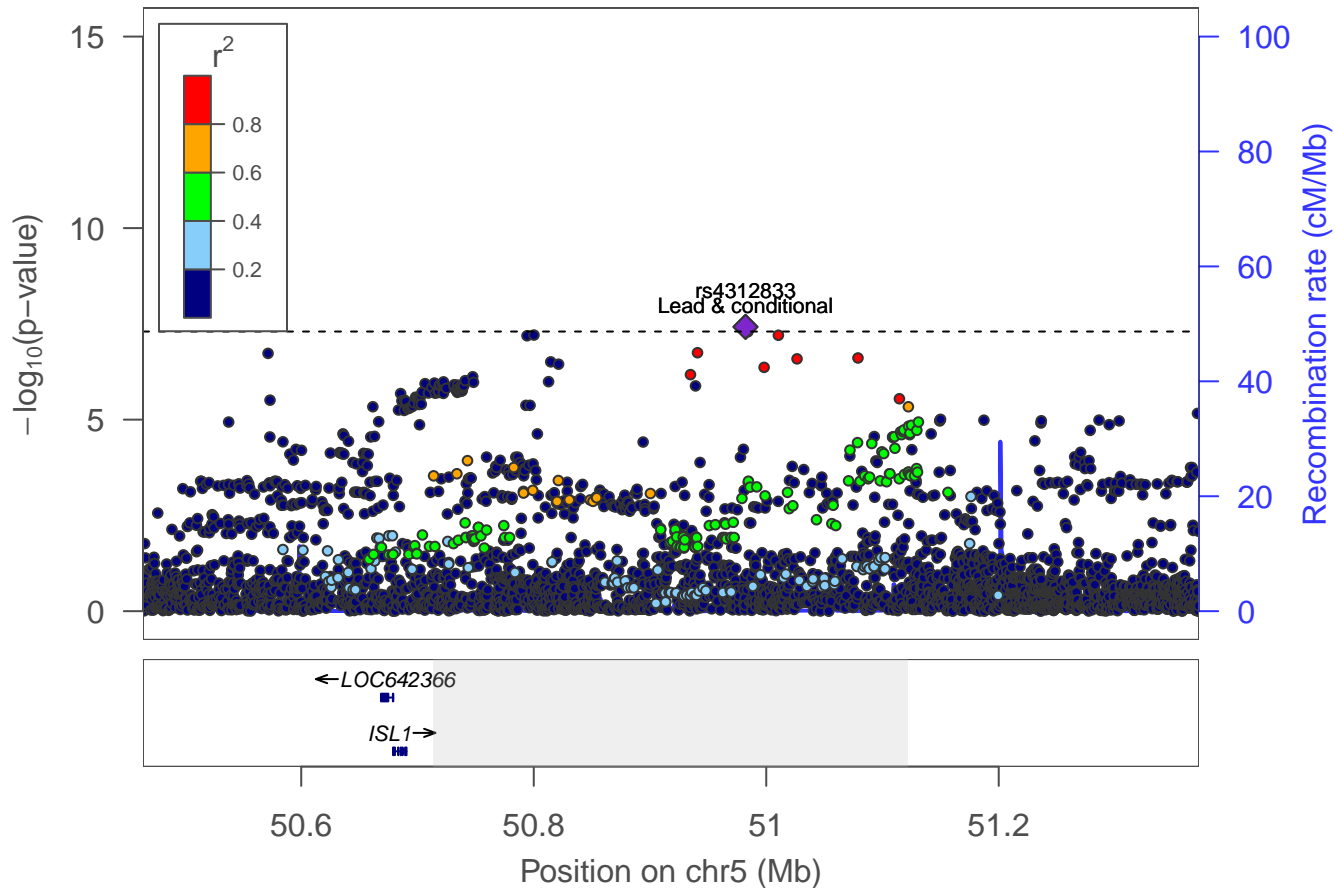
Ever smoker: locus 61 [chr 4:173.019–173.128Mb]



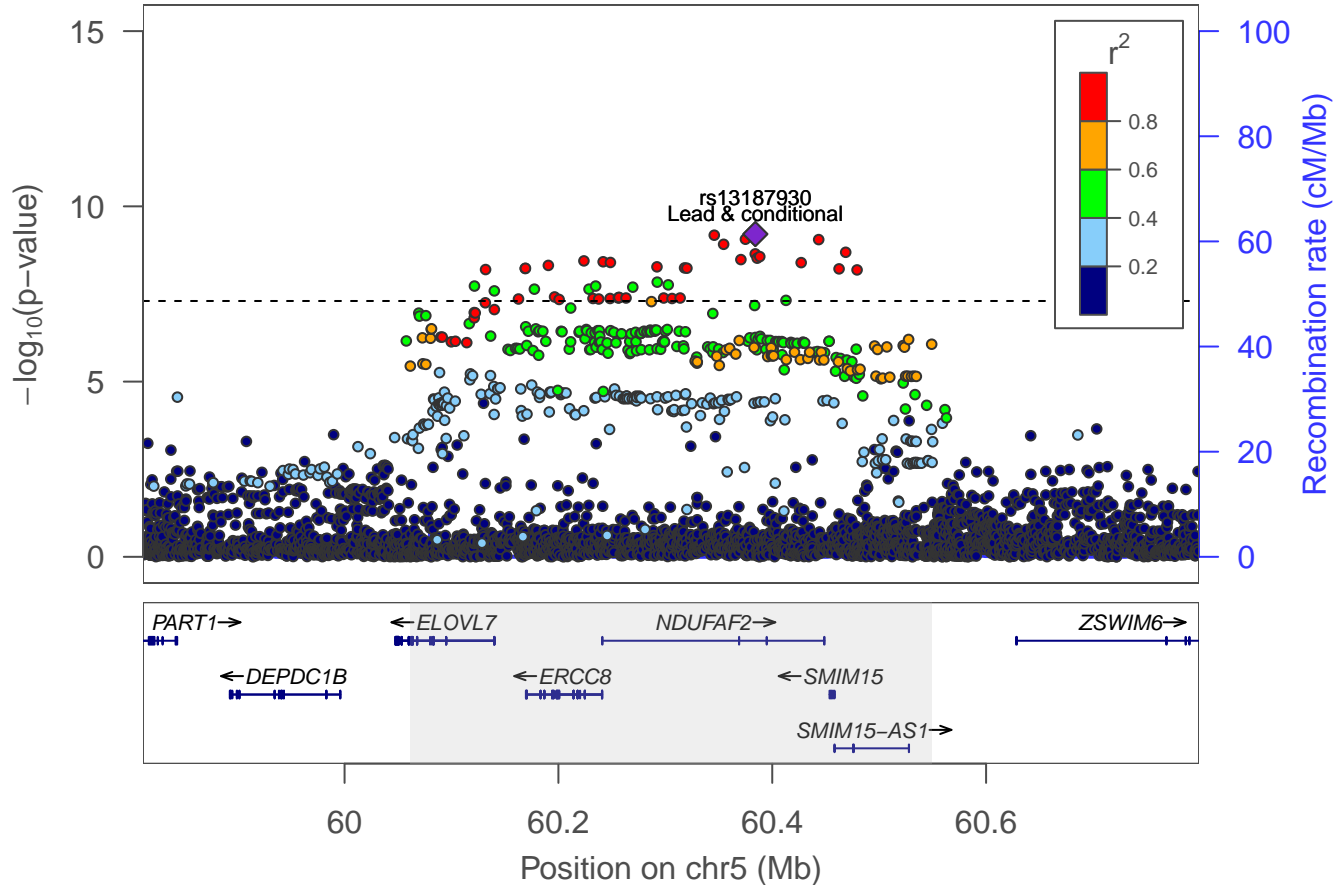
Ever smoker: locus 62 [chr 5:30.813–30.844Mb]



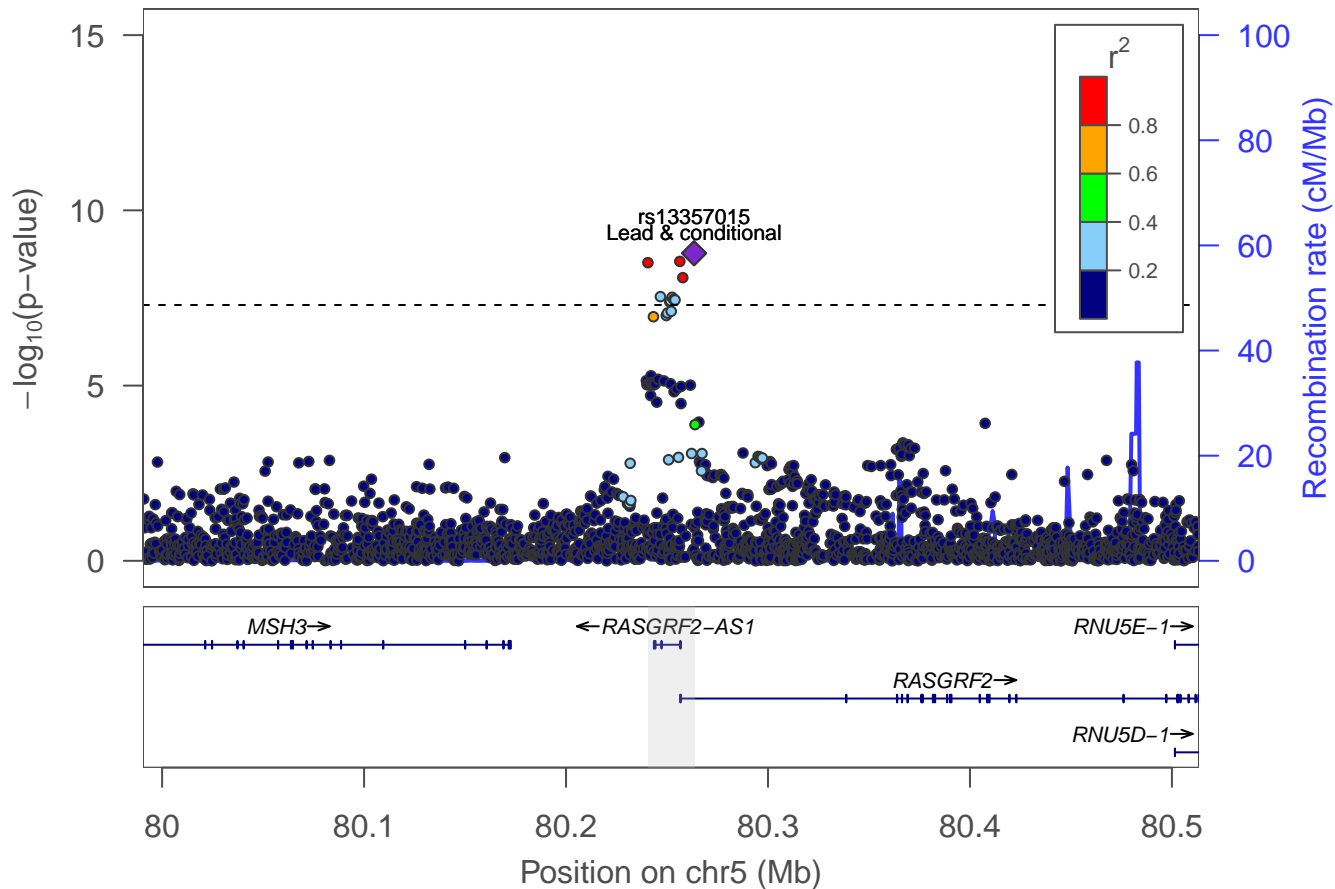
Ever smoker: locus 63 [chr 5:50.714–51.122Mb]



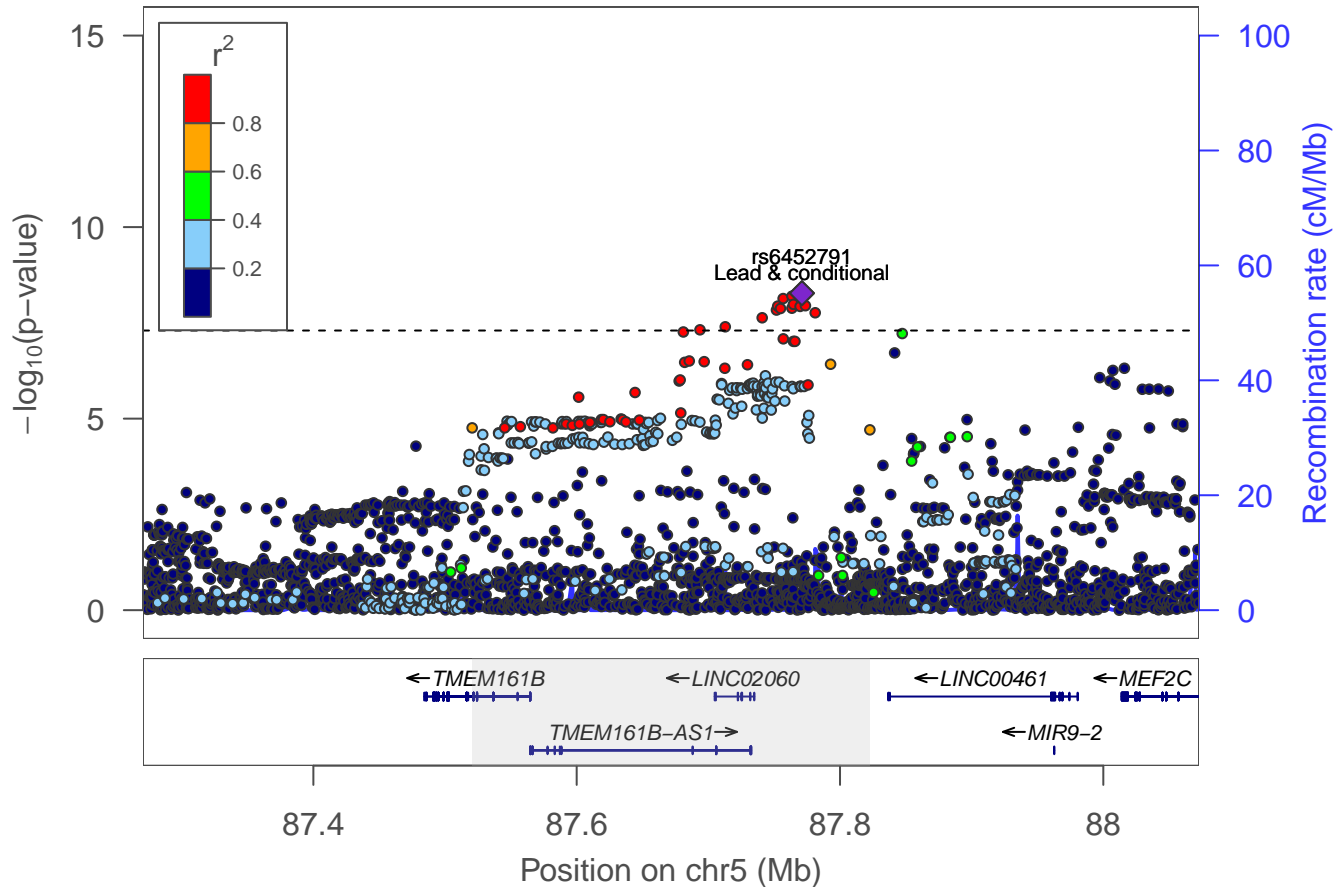
Ever smoker: locus 64 [chr 5:60.061–60.549Mb]



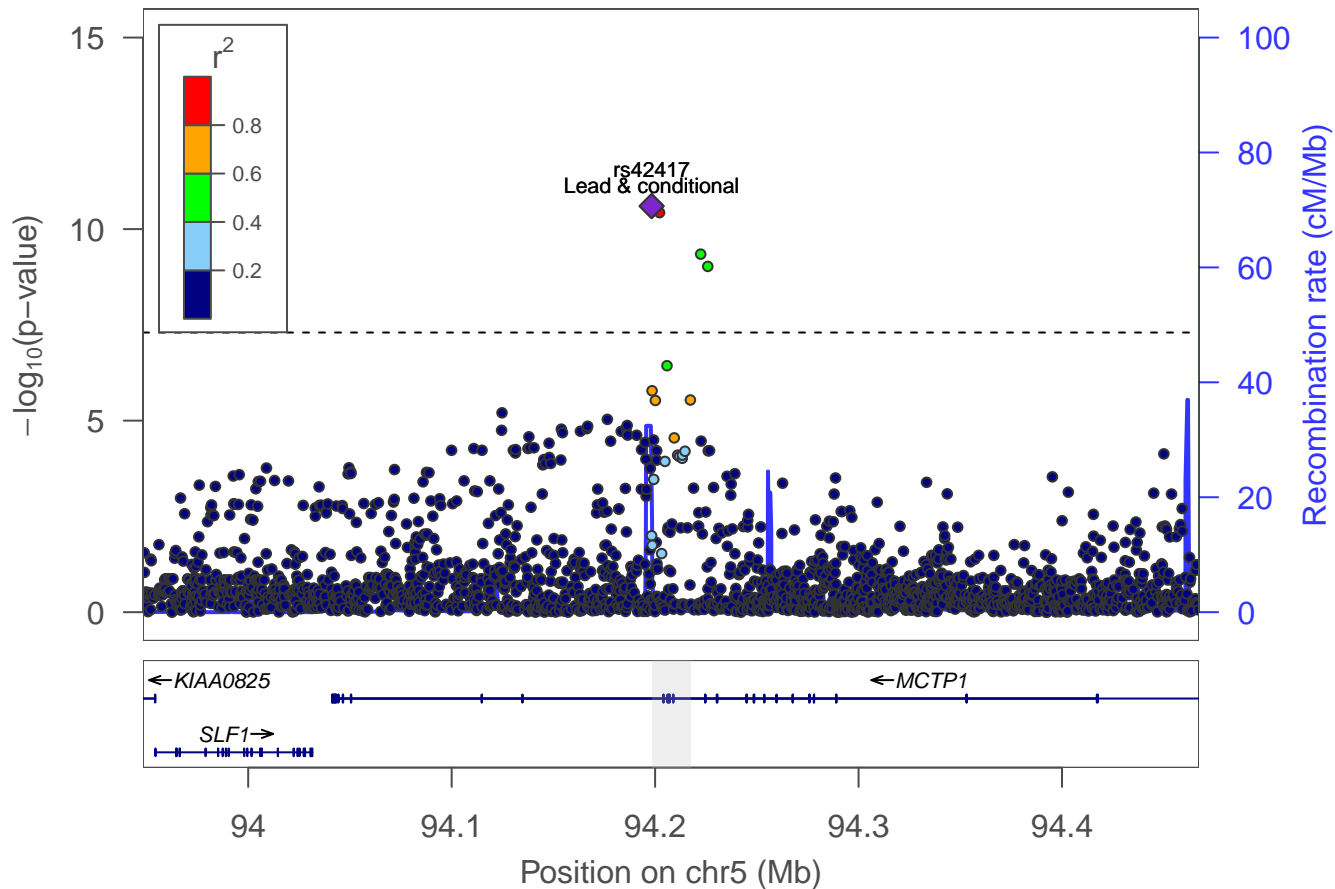
Ever smoker: locus 65 [chr 5:80.241–80.263Mb]



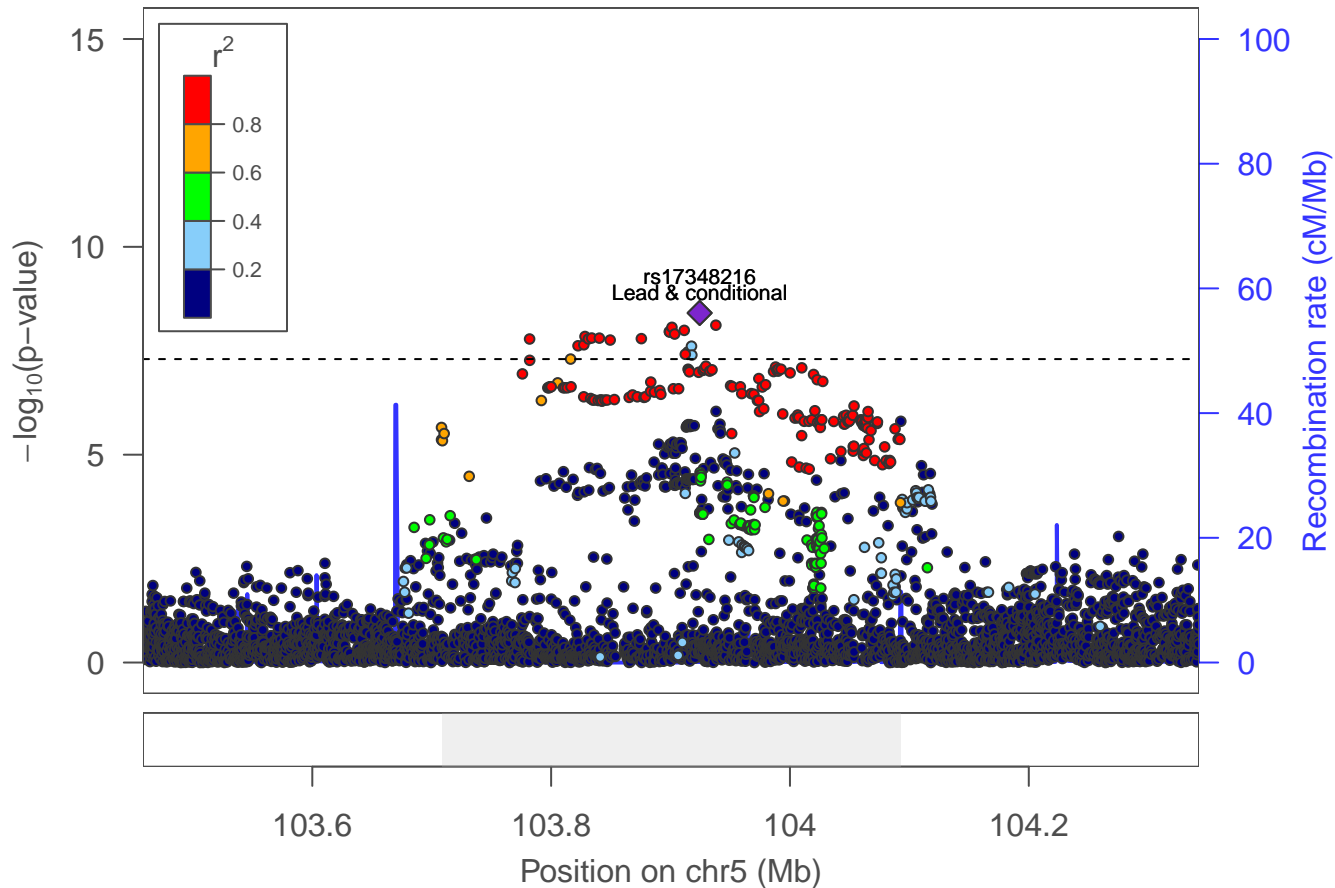
Ever smoker: locus 66 [chr 5:87.521–87.823Mb]



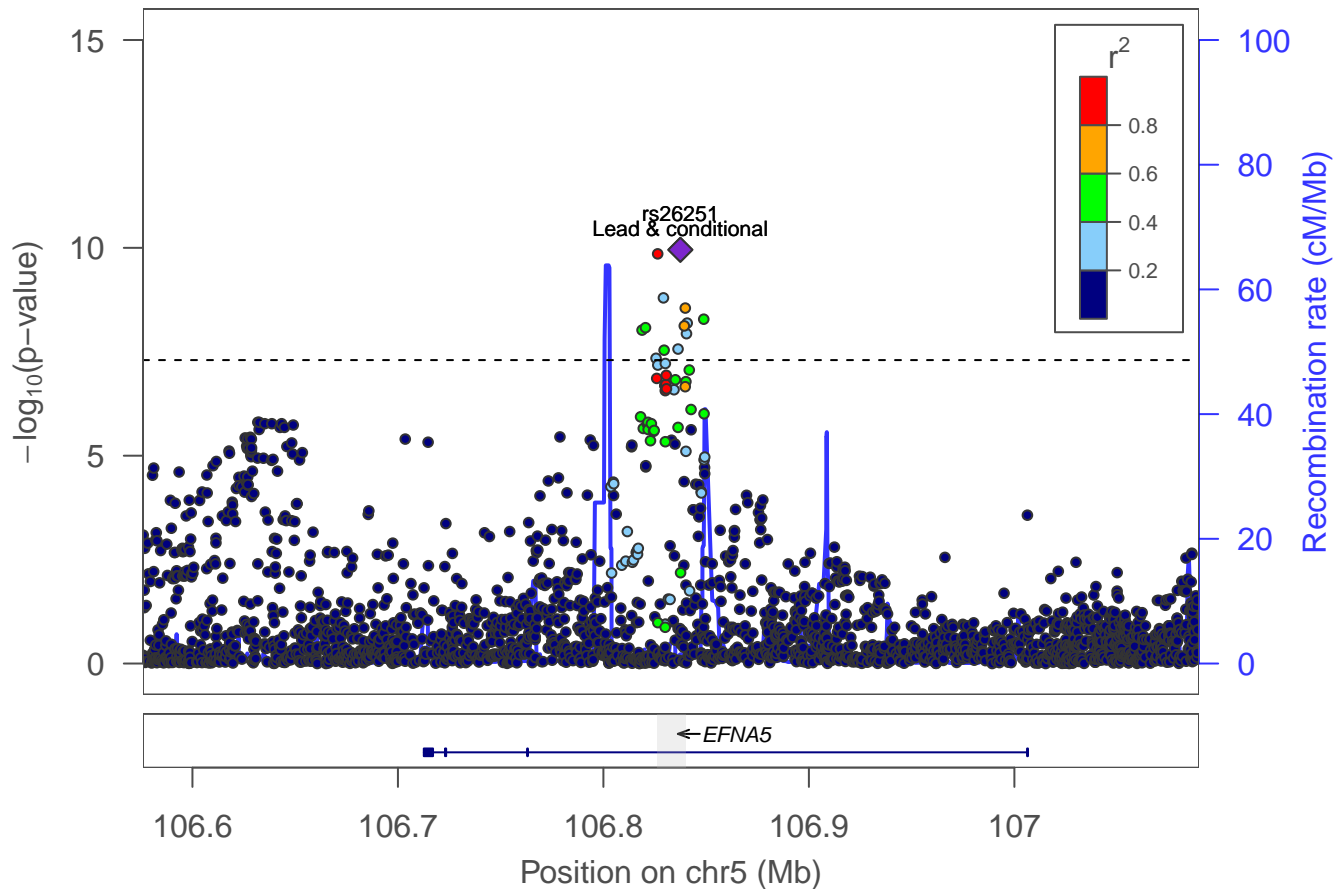
Ever smoker: locus 67 [chr 5:94.198–94.217Mb]



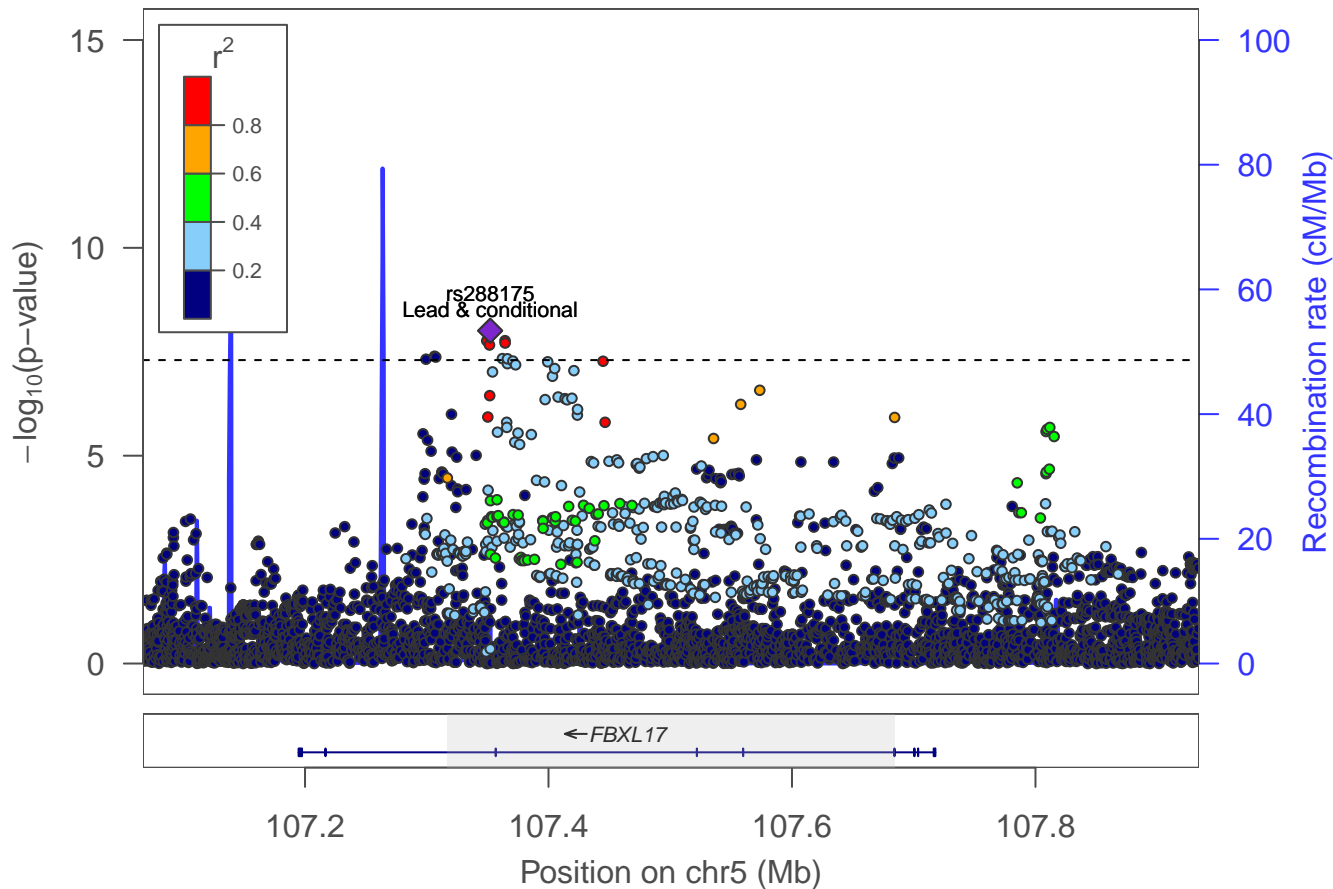
Ever smoker: locus 68 [chr 5:103.708–104.093Mb]



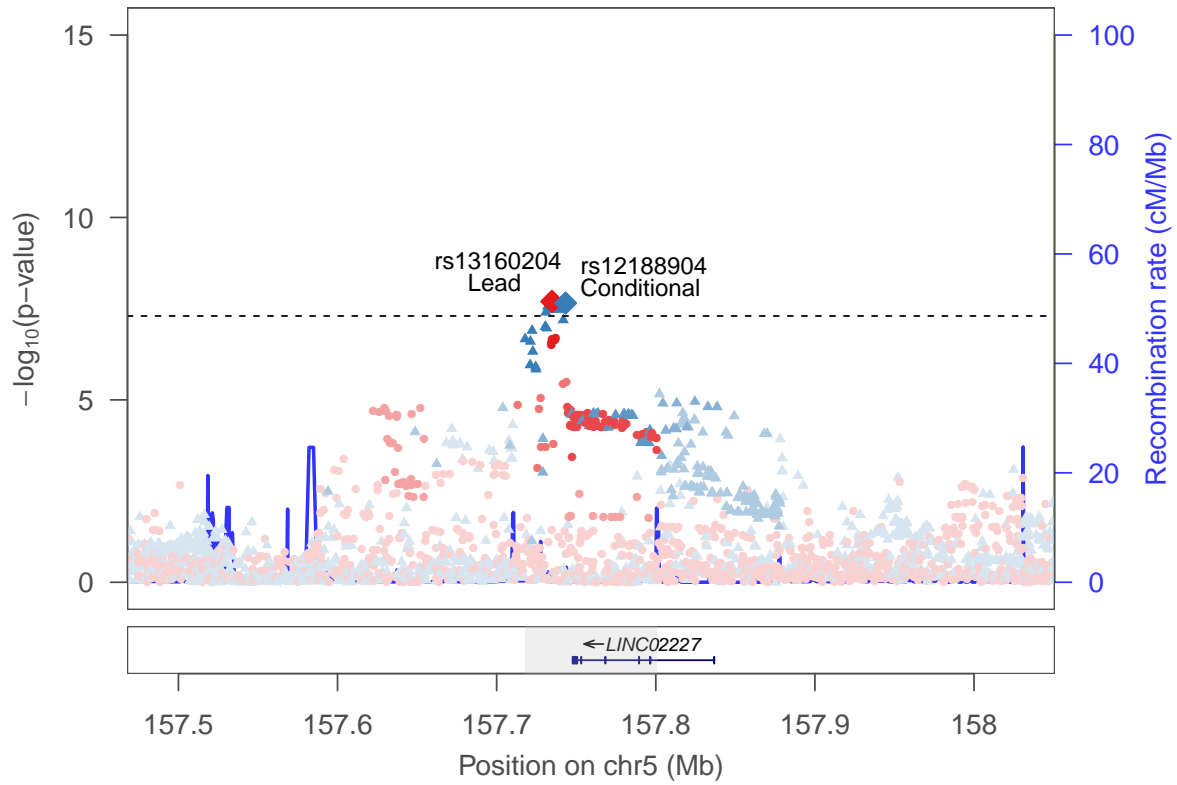
Ever smoker: locus 69 [chr 5:106.826–106.840Mb]



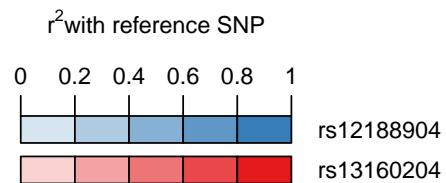
Ever smoker: locus 70 [chr 5:107.317–107.684Mb]



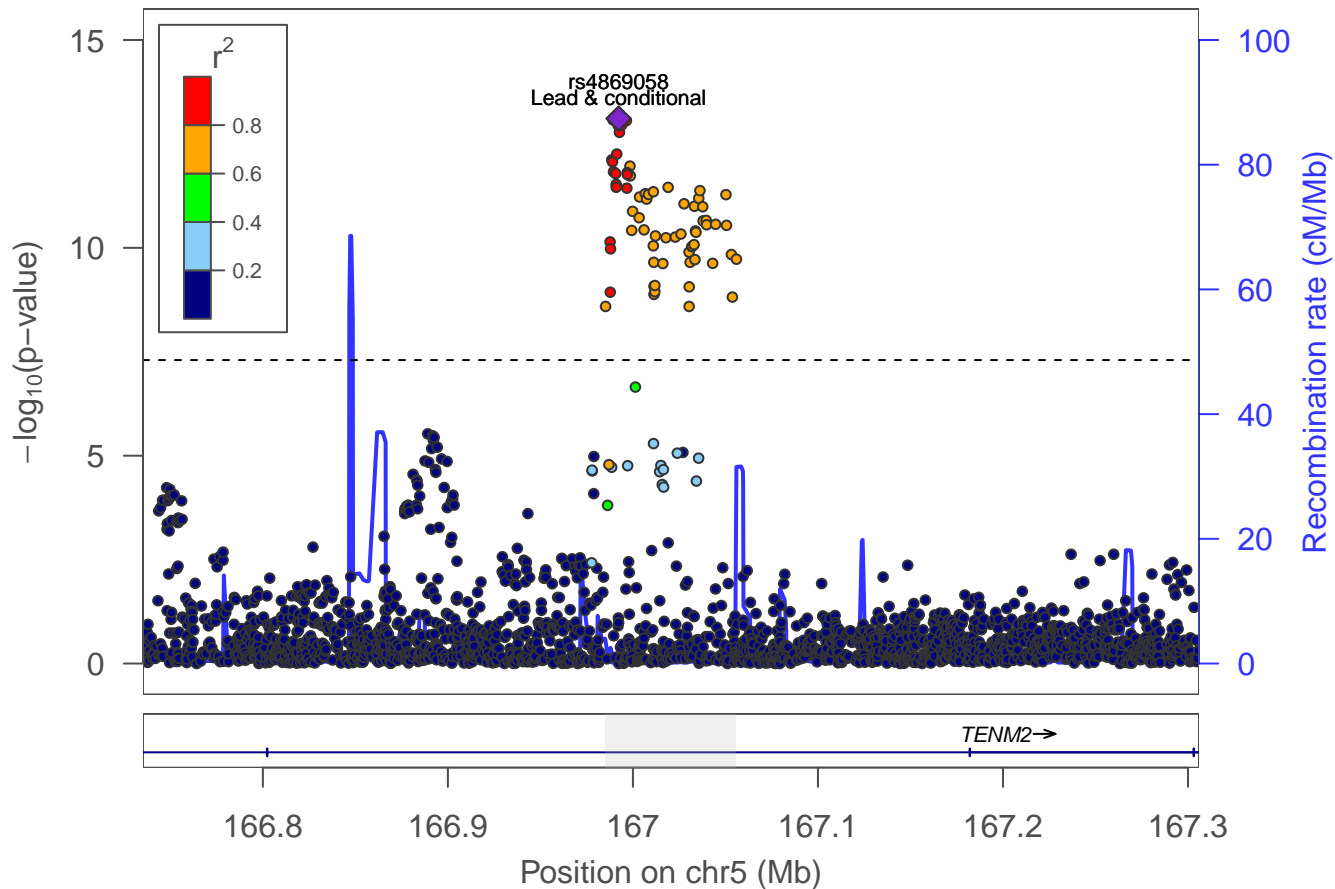
Ever smoker: Locus 71 [chr 5: 157.718–157.801Mb]



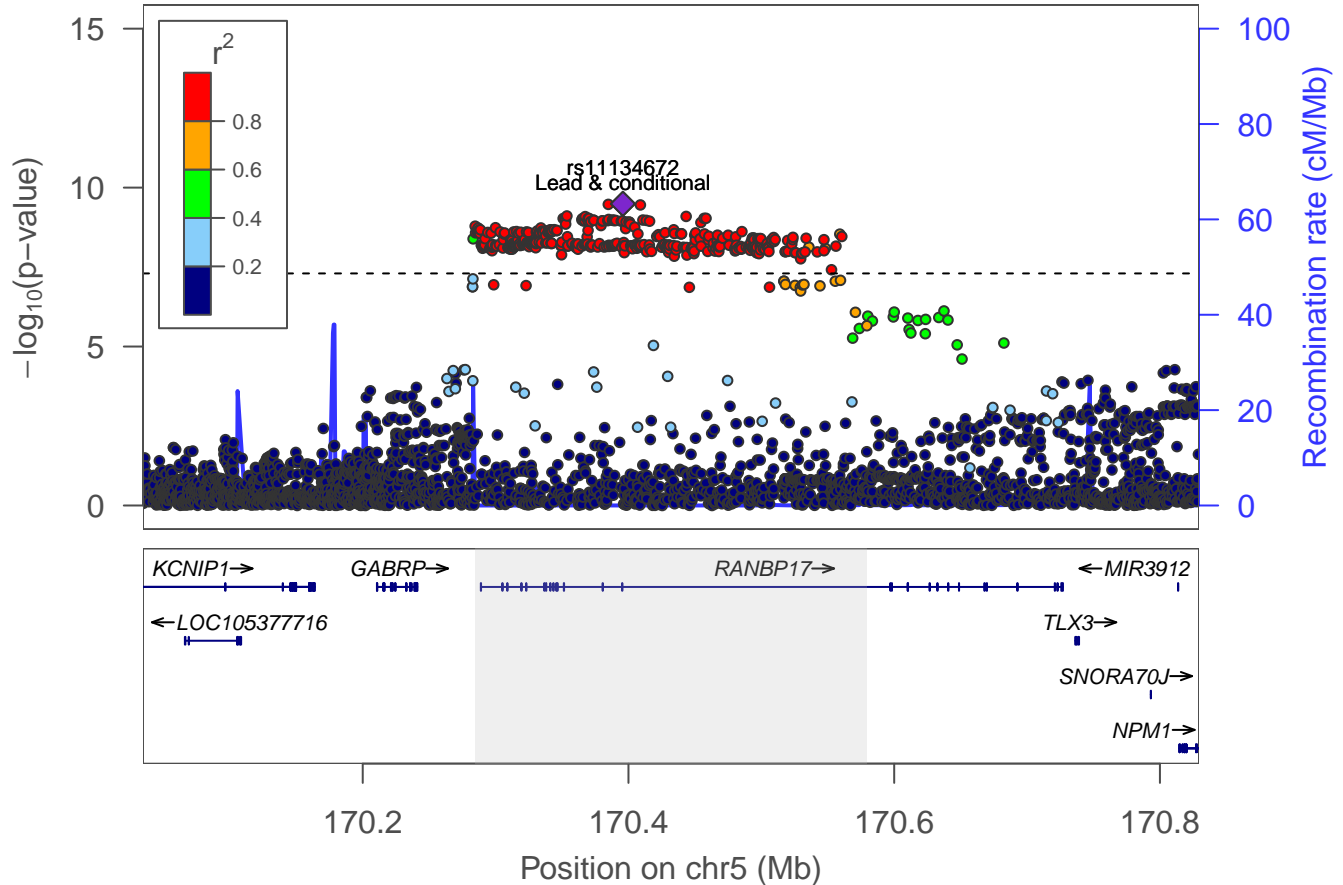
rs12188904 ▲
rs13160204 ●



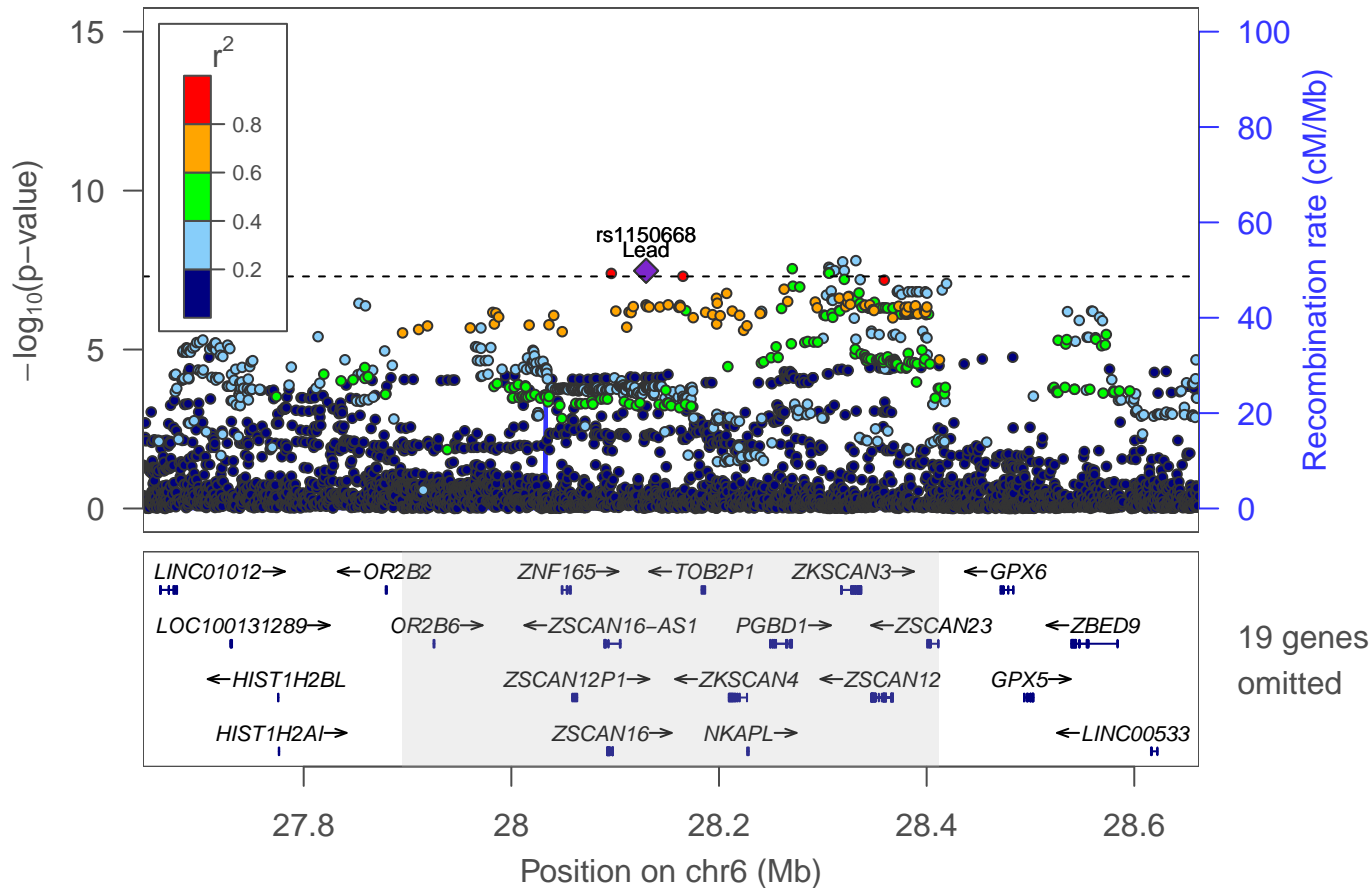
Ever smoker: locus 72 [chr 5:166.985–167.056Mb]



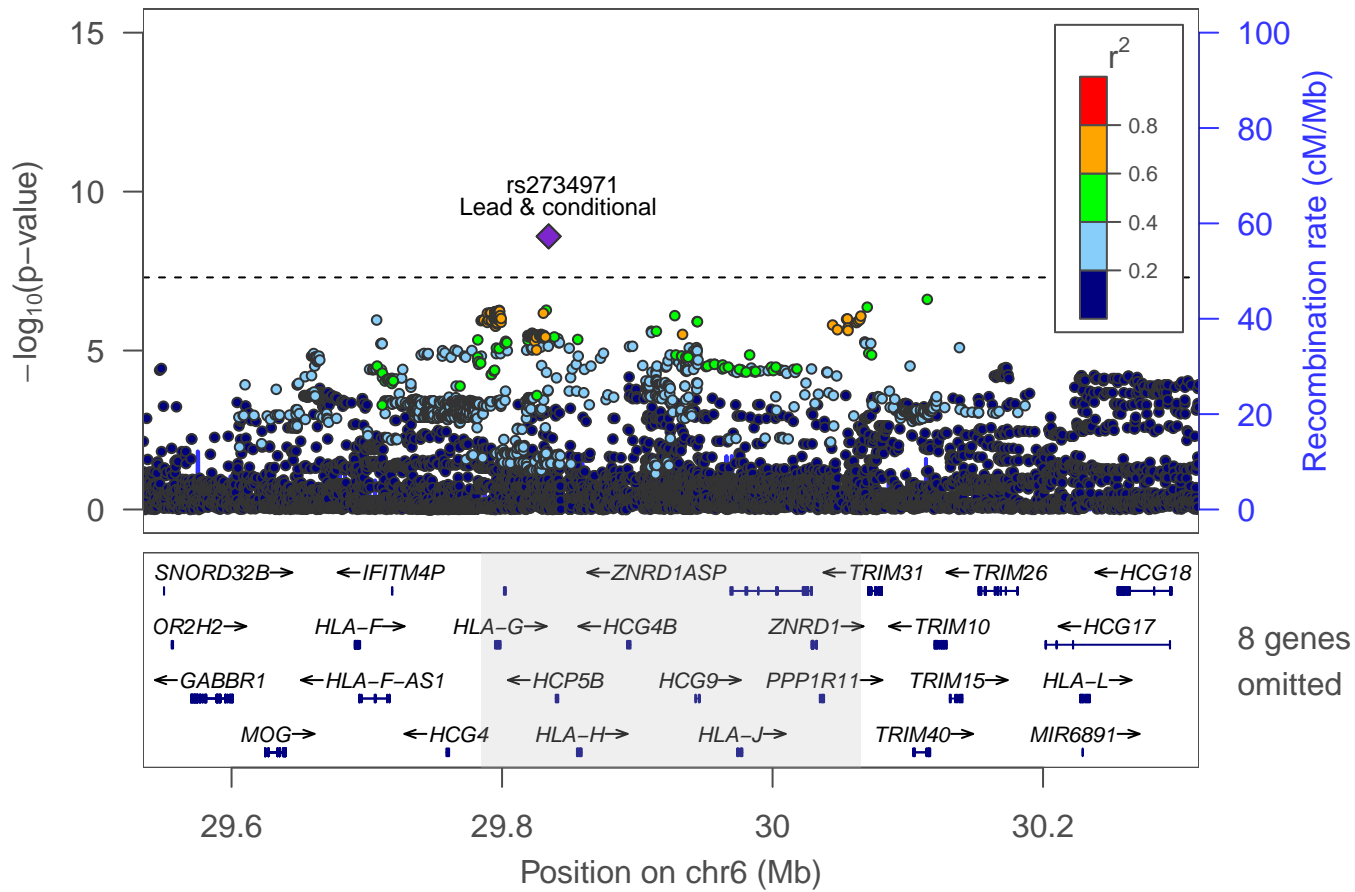
Ever smoker: locus 73 [chr 5:170.285–170.579Mb]



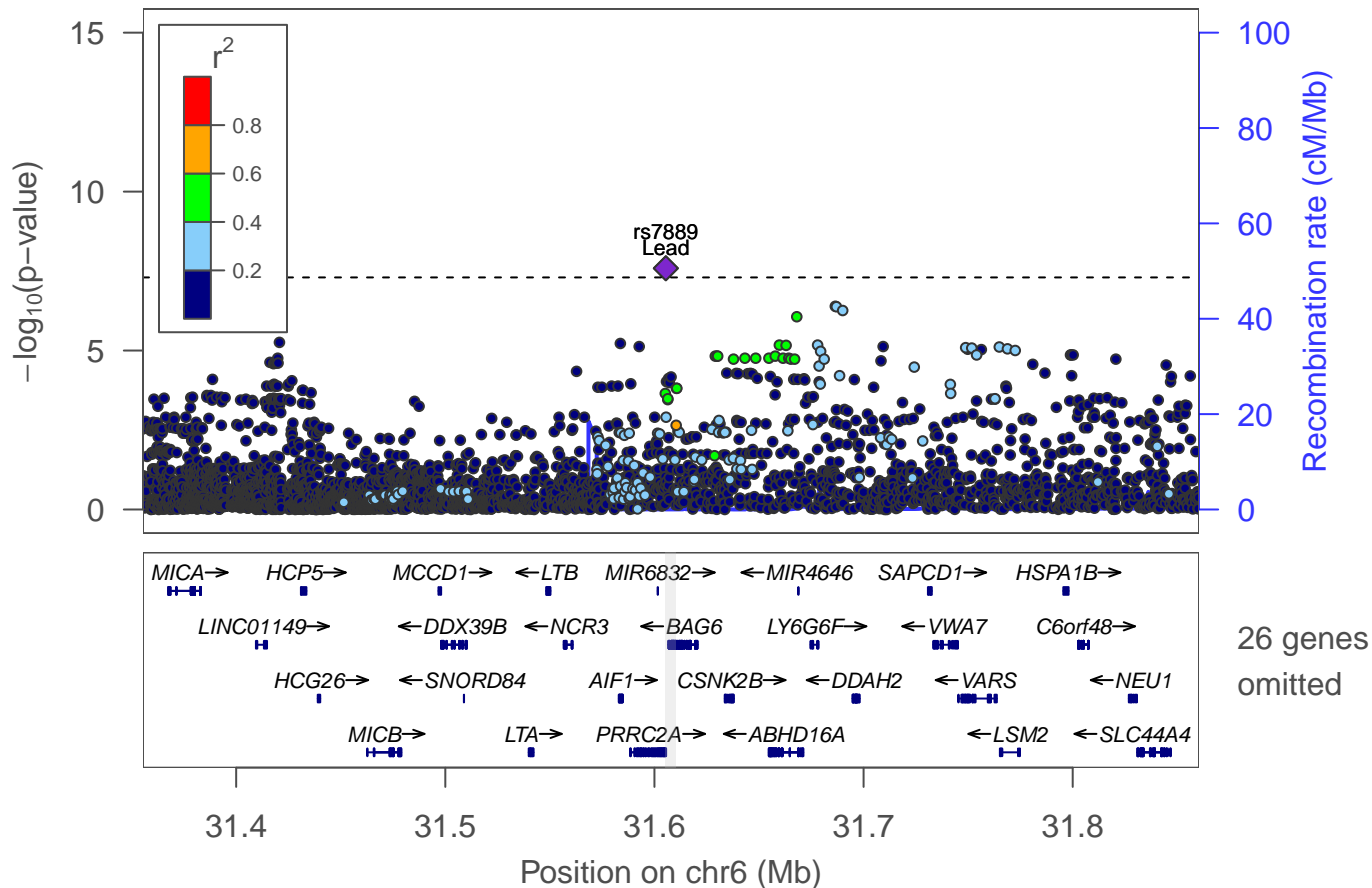
Ever smoker: locus 74 [chr 6:27.895–28.412Mb]



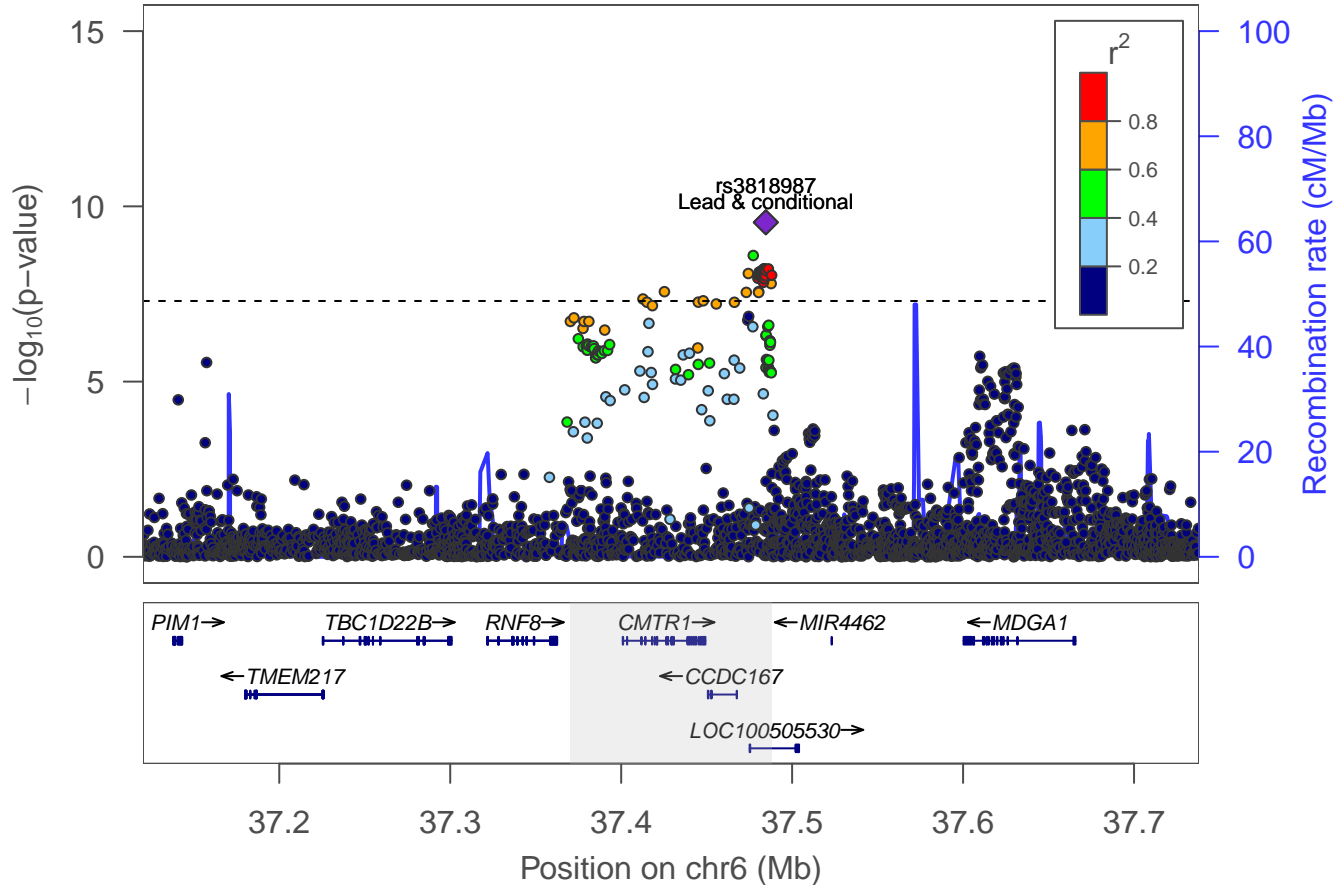
Ever smoker: locus 75 [chr 6:29.785–30.065Mb]



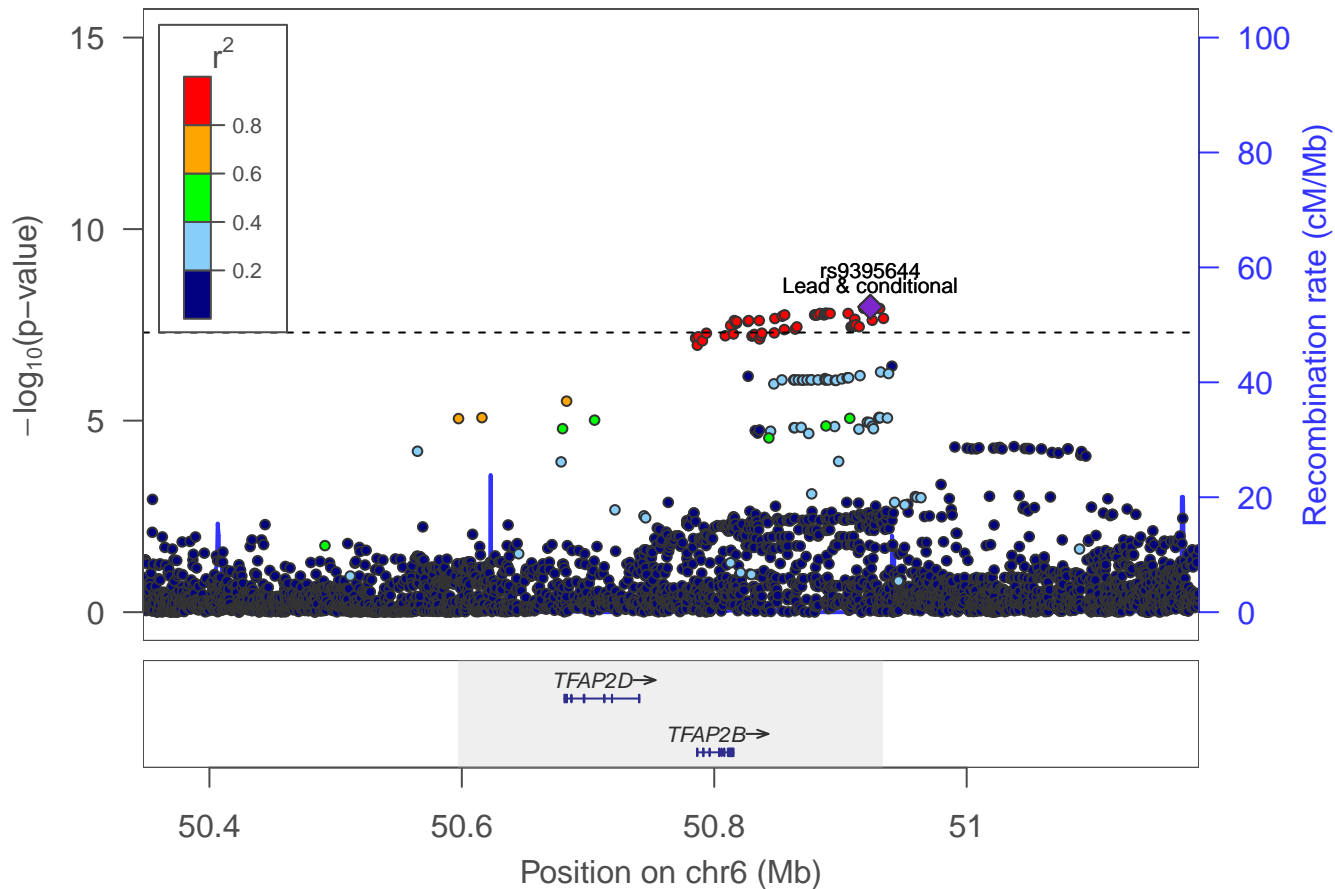
Ever smoker: locus 76 [chr 6:31.605–31.610Mb]



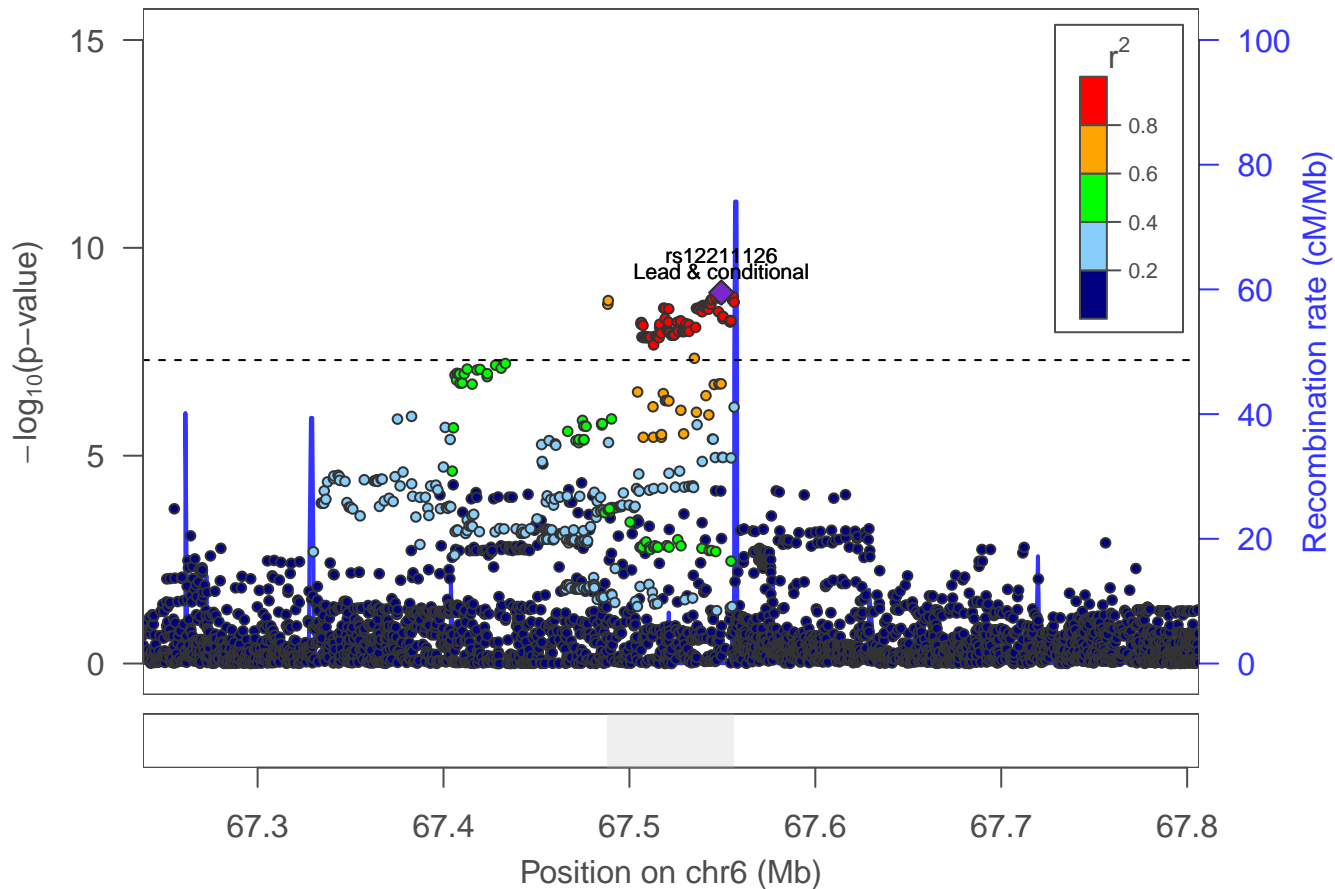
Ever smoker: locus 77 [chr 6:37.370–37.488Mb]



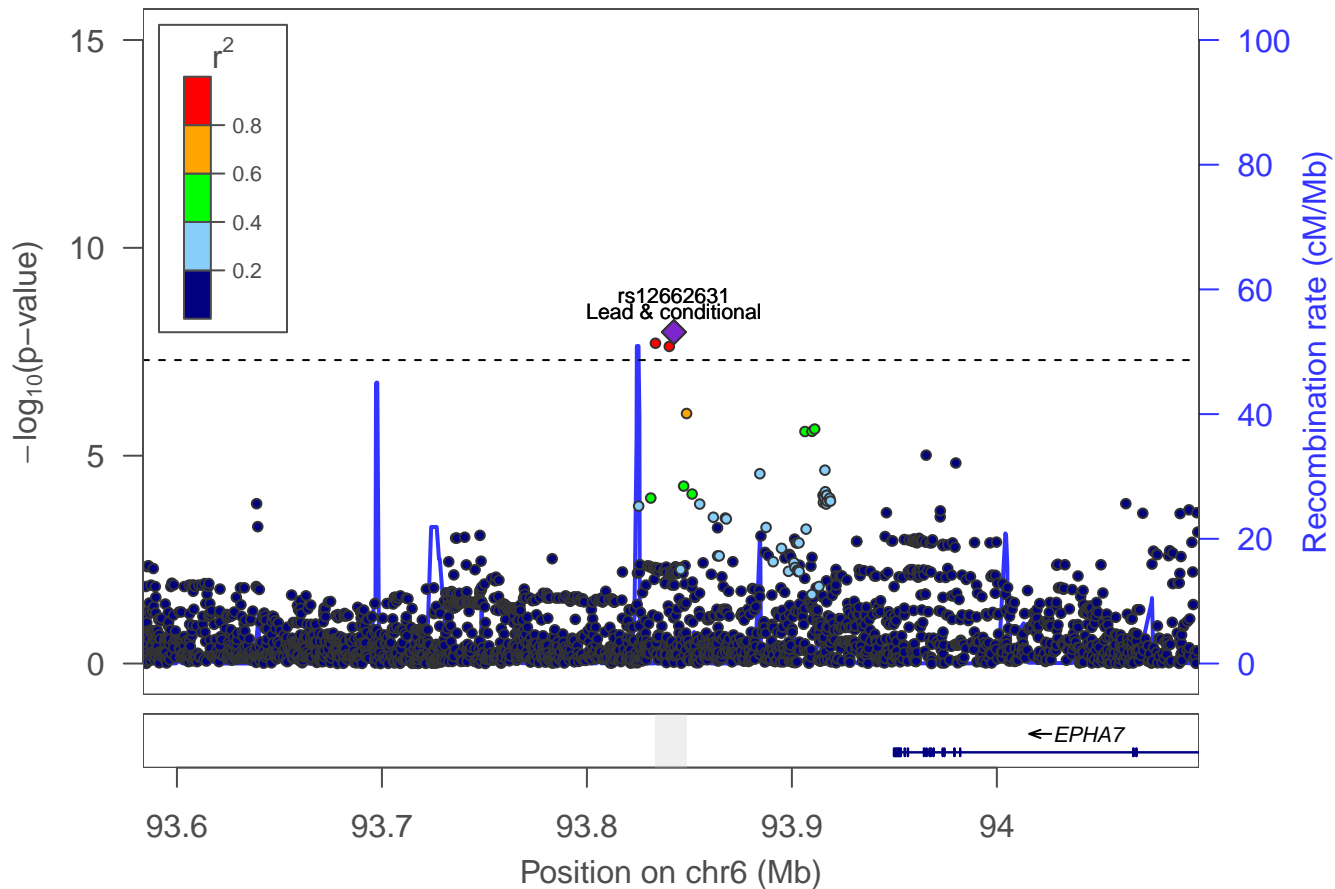
Ever smoker: locus 78 [chr 6:50.597–50.934Mb]



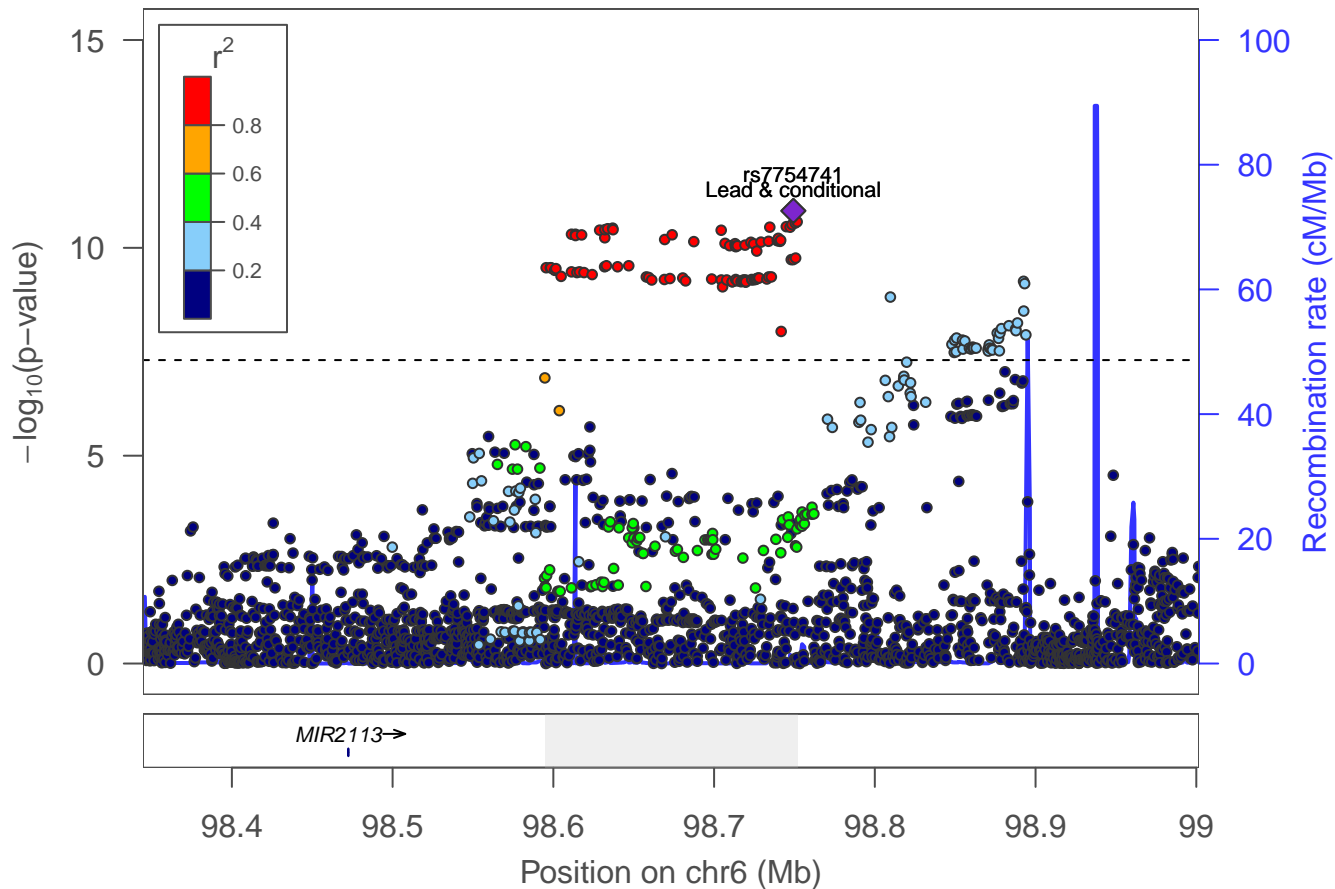
Ever smoker: locus 79 [chr 6:67.488–67.556Mb]



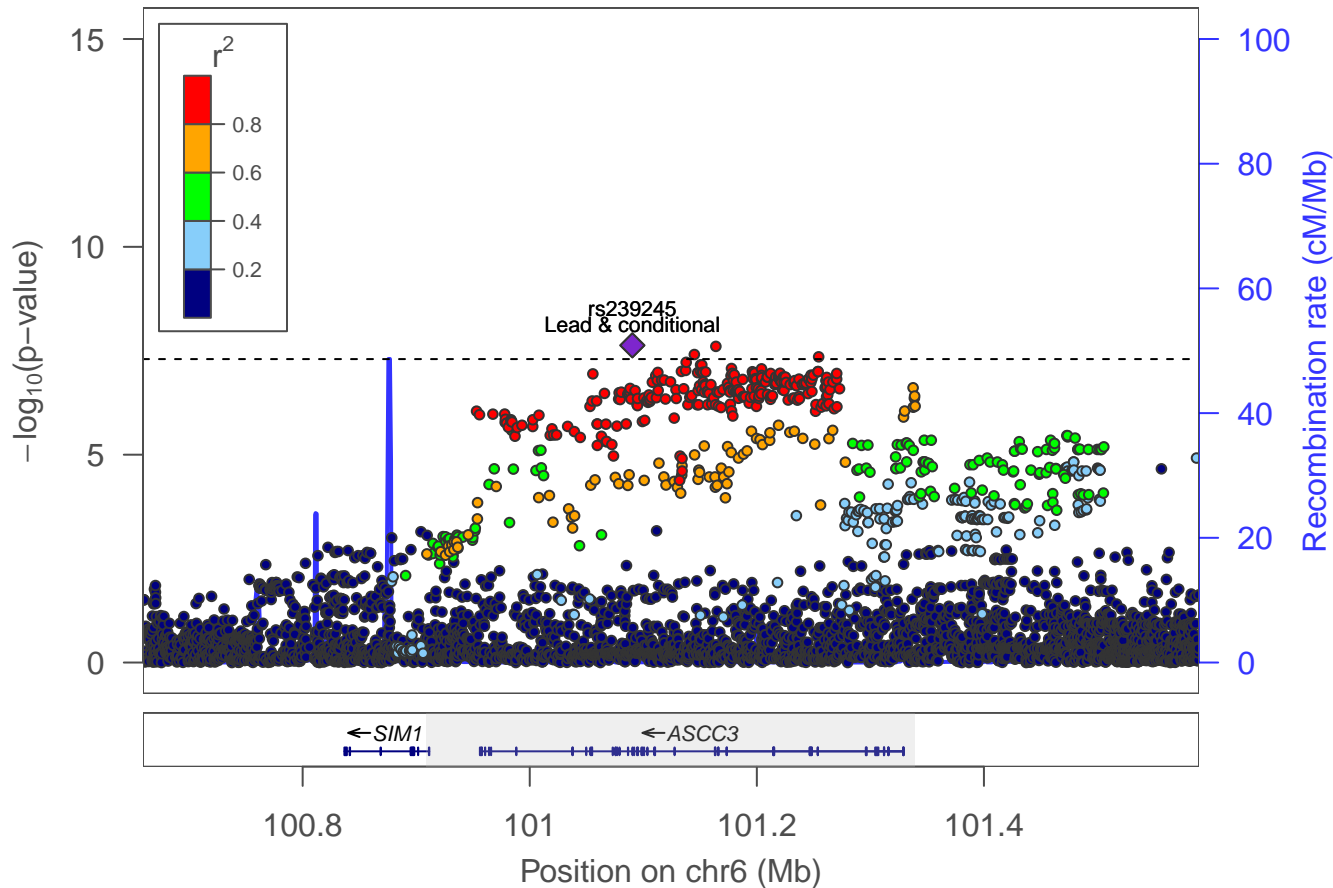
Ever smoker: locus 80 [chr 6:93.833–93.849Mb]



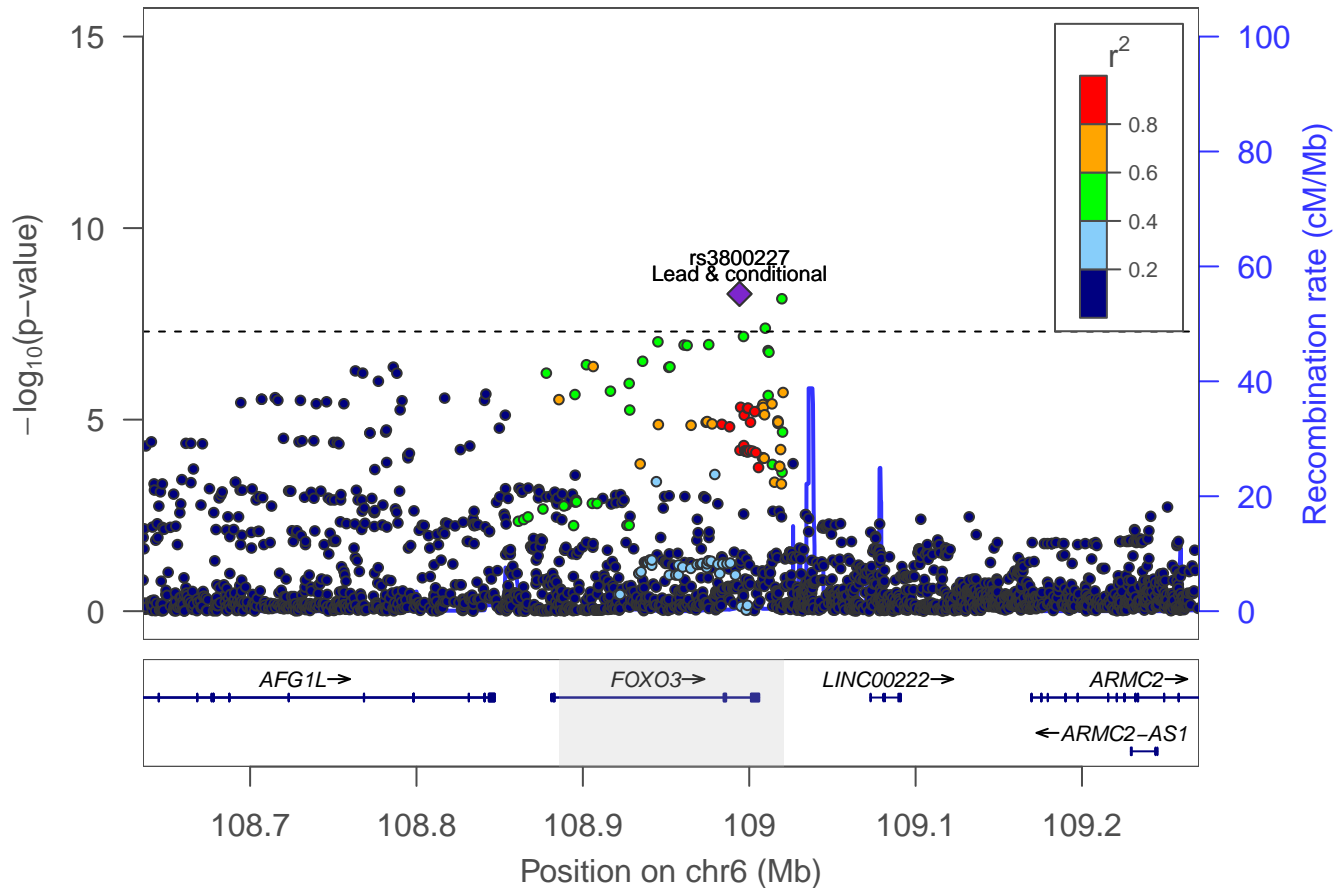
Ever smoker: locus 81 [chr 6:98.595–98.752Mb]



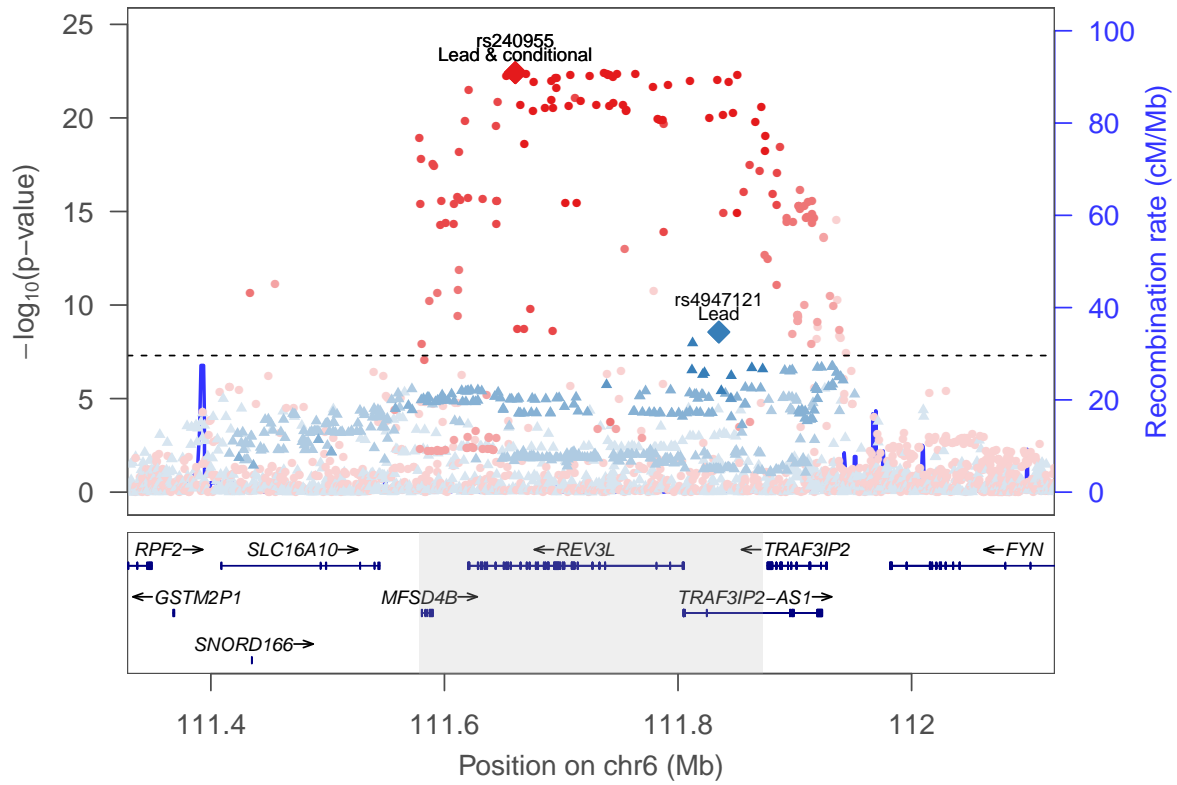
Ever smoker: locus 82 [chr 6:100.909–101.339Mb]



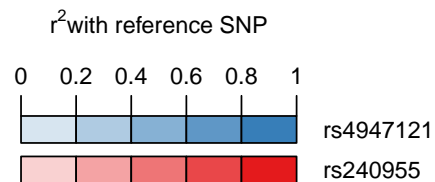
Ever smoker: locus 83 [chr 6:108.886–109.020Mb]



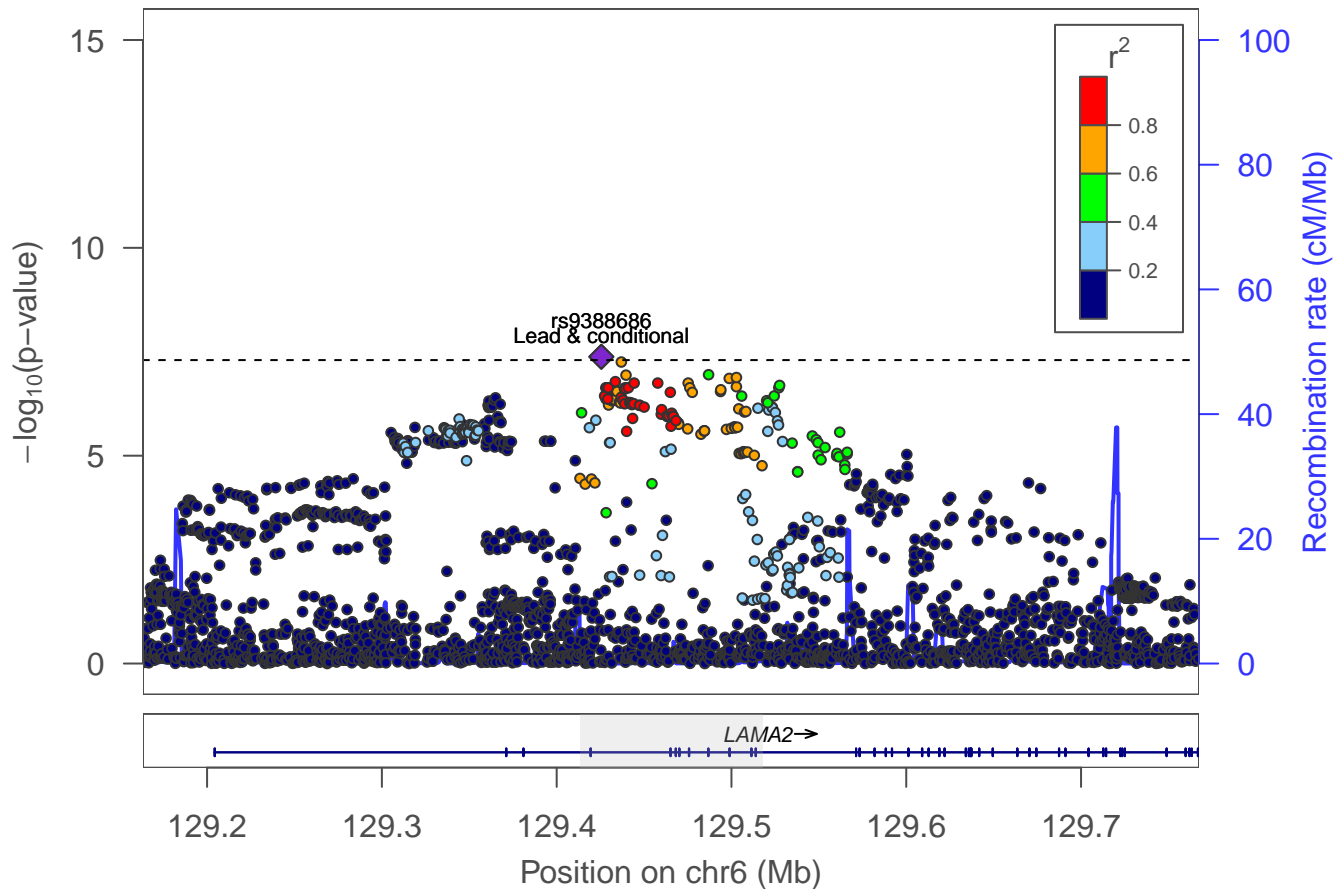
Ever smoker: Locus 84 [chr 6: 111.578–111.872Mb]



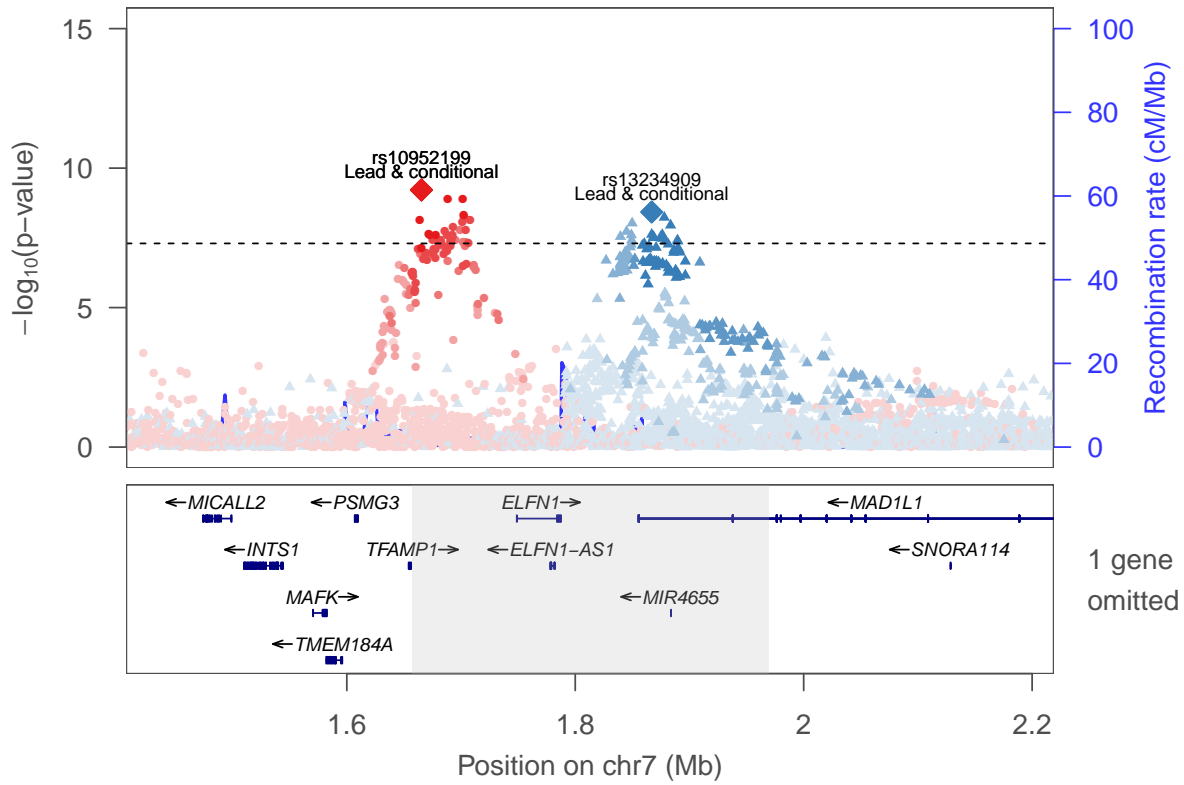
rs4947121 ▲
rs240955 ●



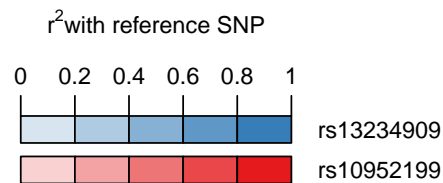
Ever smoker: locus 85 [chr 6:129.413–129.517Mb]



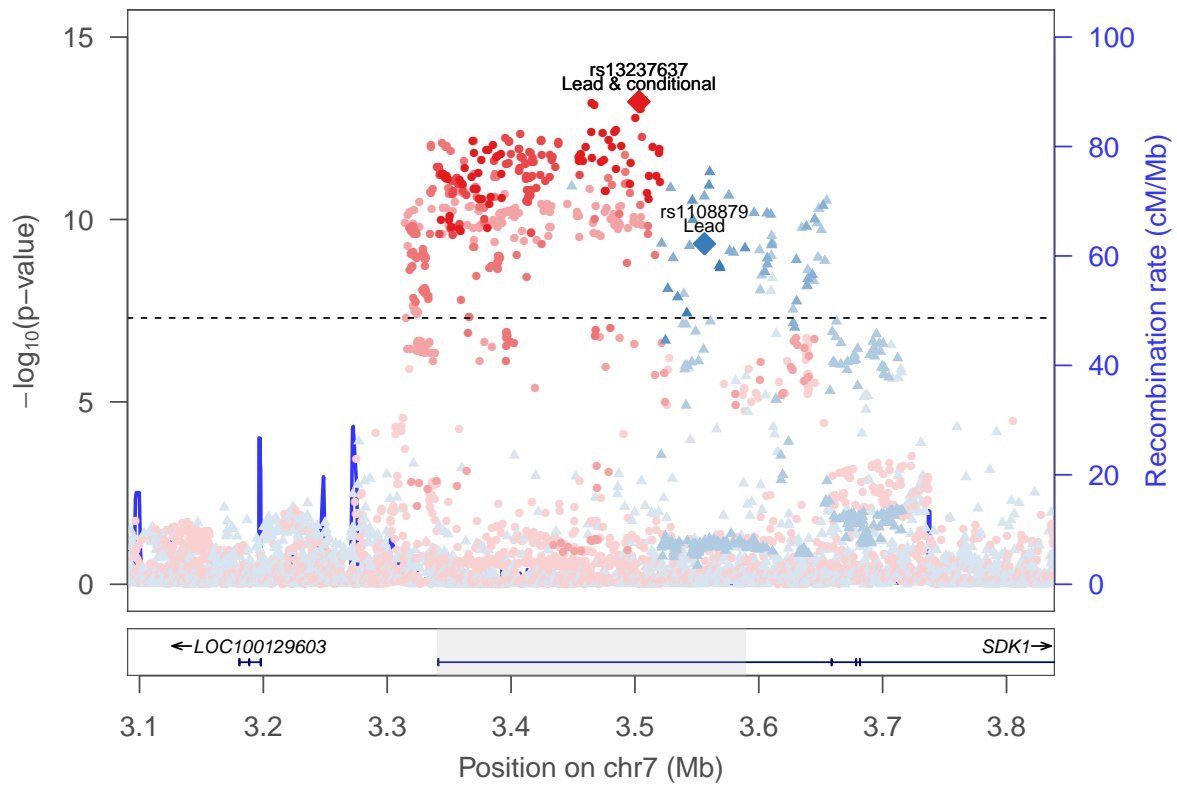
Ever smoker: Locus 86 [chr 7: 1.657–1.969Mb]



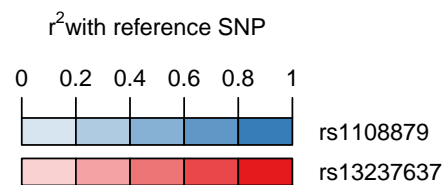
rs13234909 ▲
 rs10952199 ●



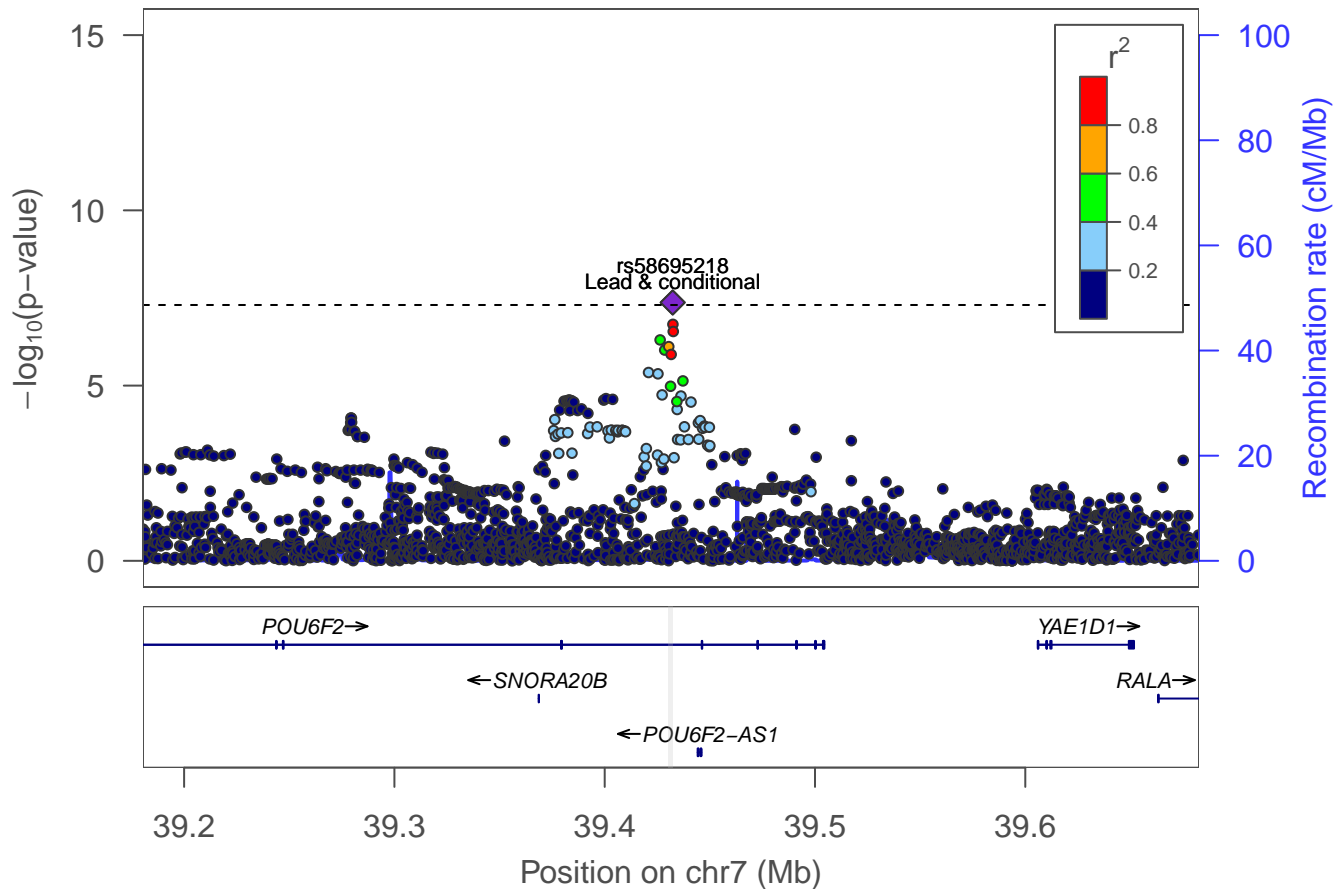
Ever smoker: Locus 87 [chr 7: 3.340–3.589Mb]



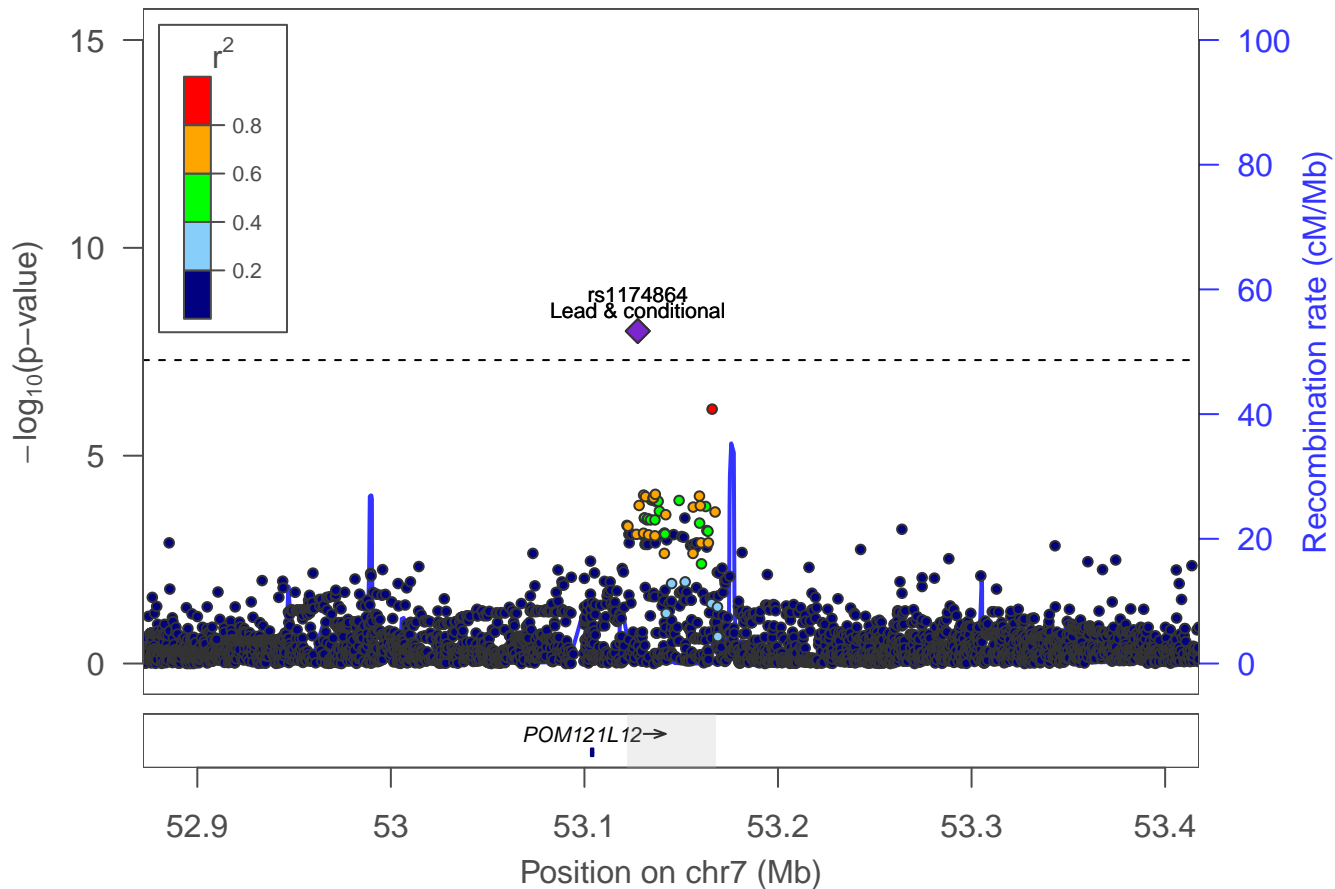
rs1108879 ▲
rs13237637 ●



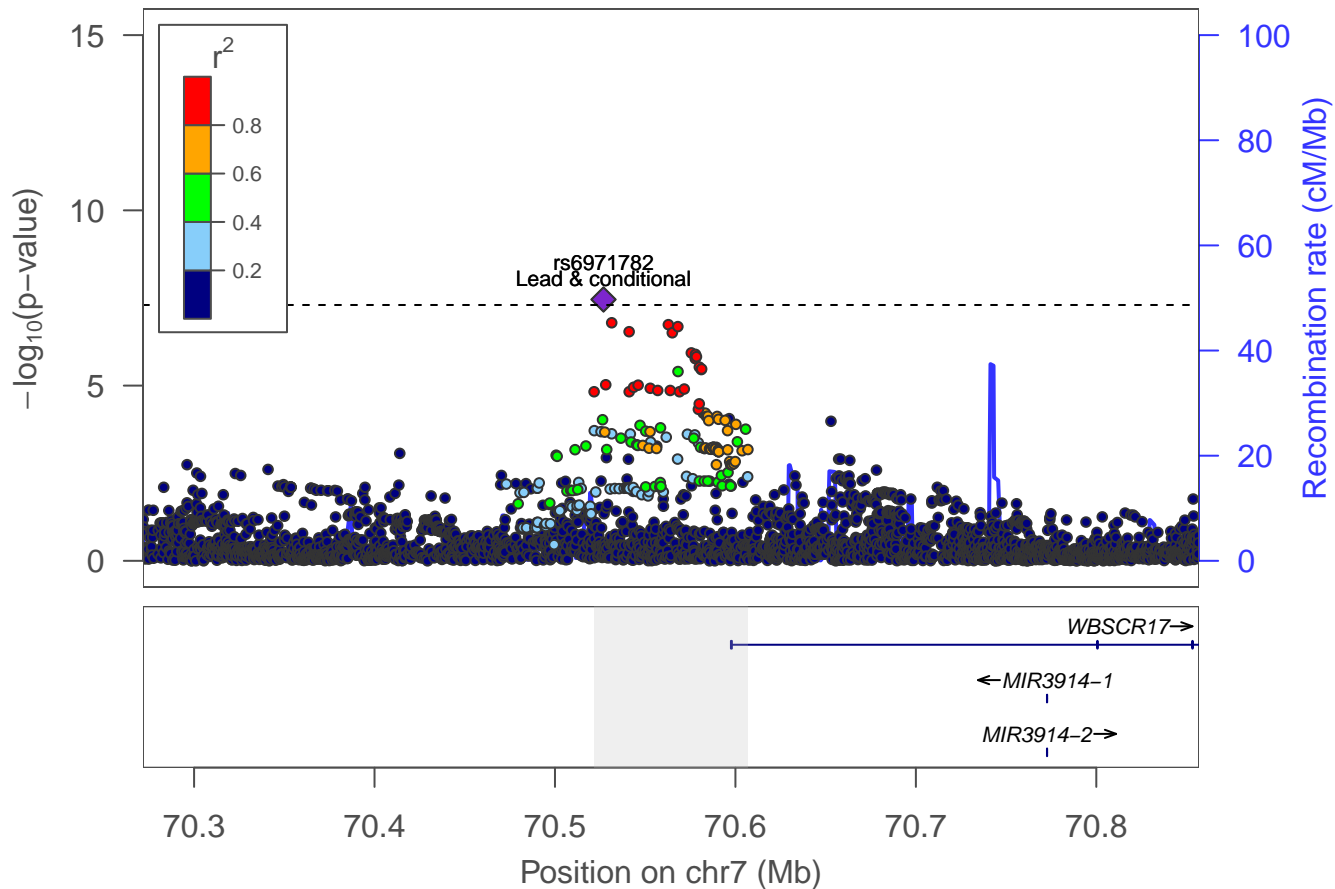
Ever smoker: locus 88 [chr 7:39.430–39.433Mb]



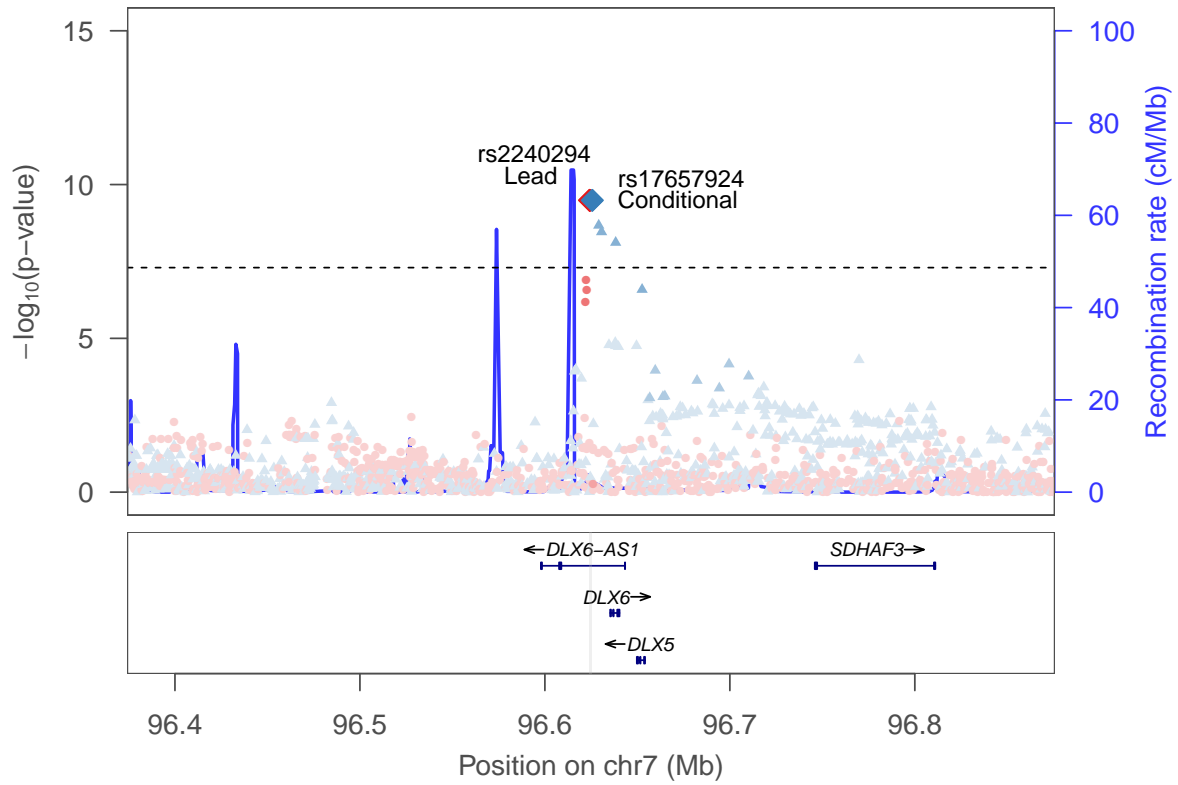
Ever smoker: locus 89 [chr 7:53.122–53.168Mb]



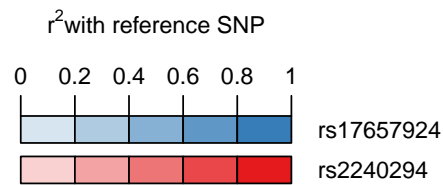
Ever smoker: locus 90 [chr 7:70.522–70.607Mb]



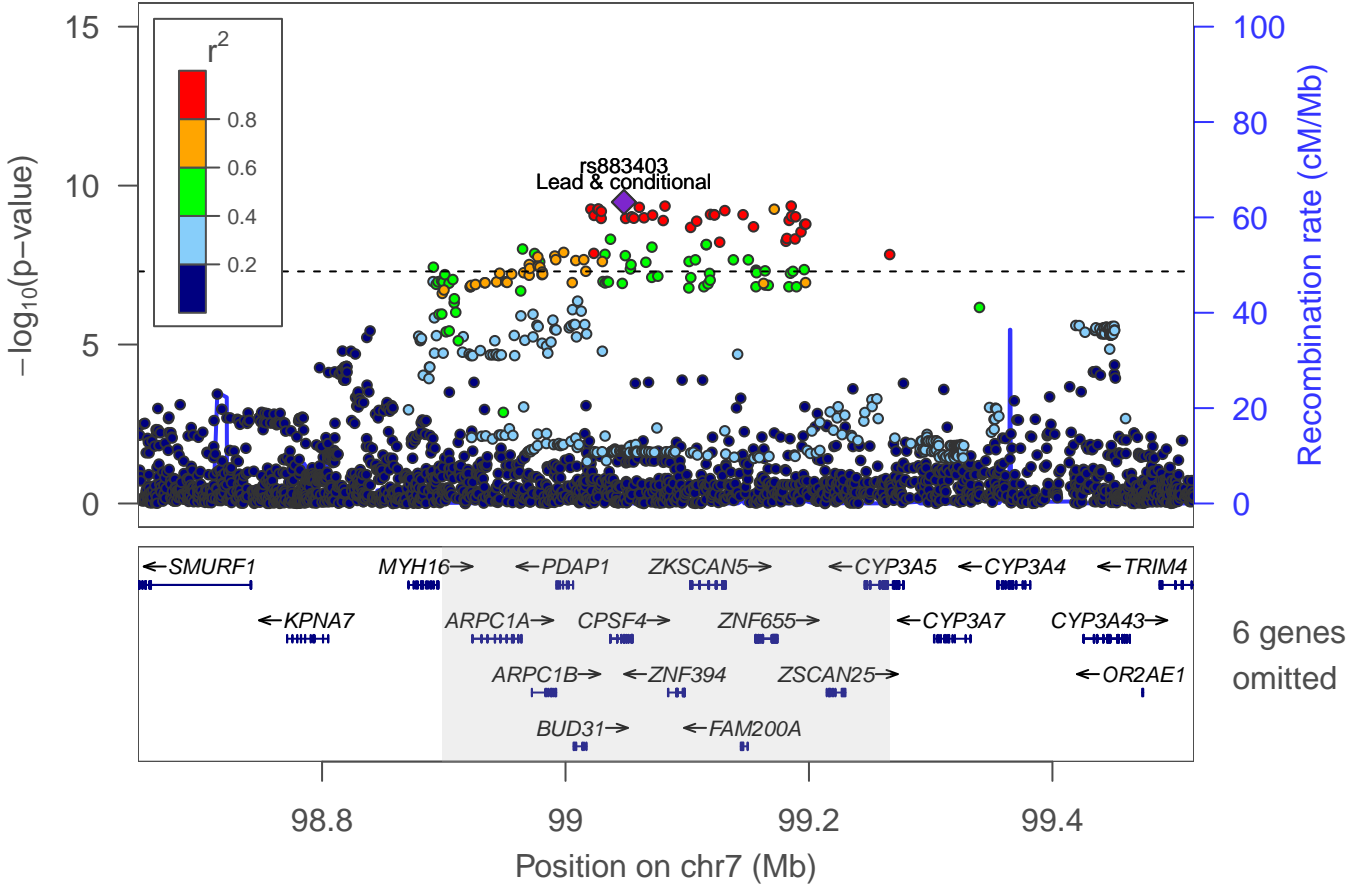
Ever smoker: Locus 91 [chr 7: 96.624–96.626Mb]



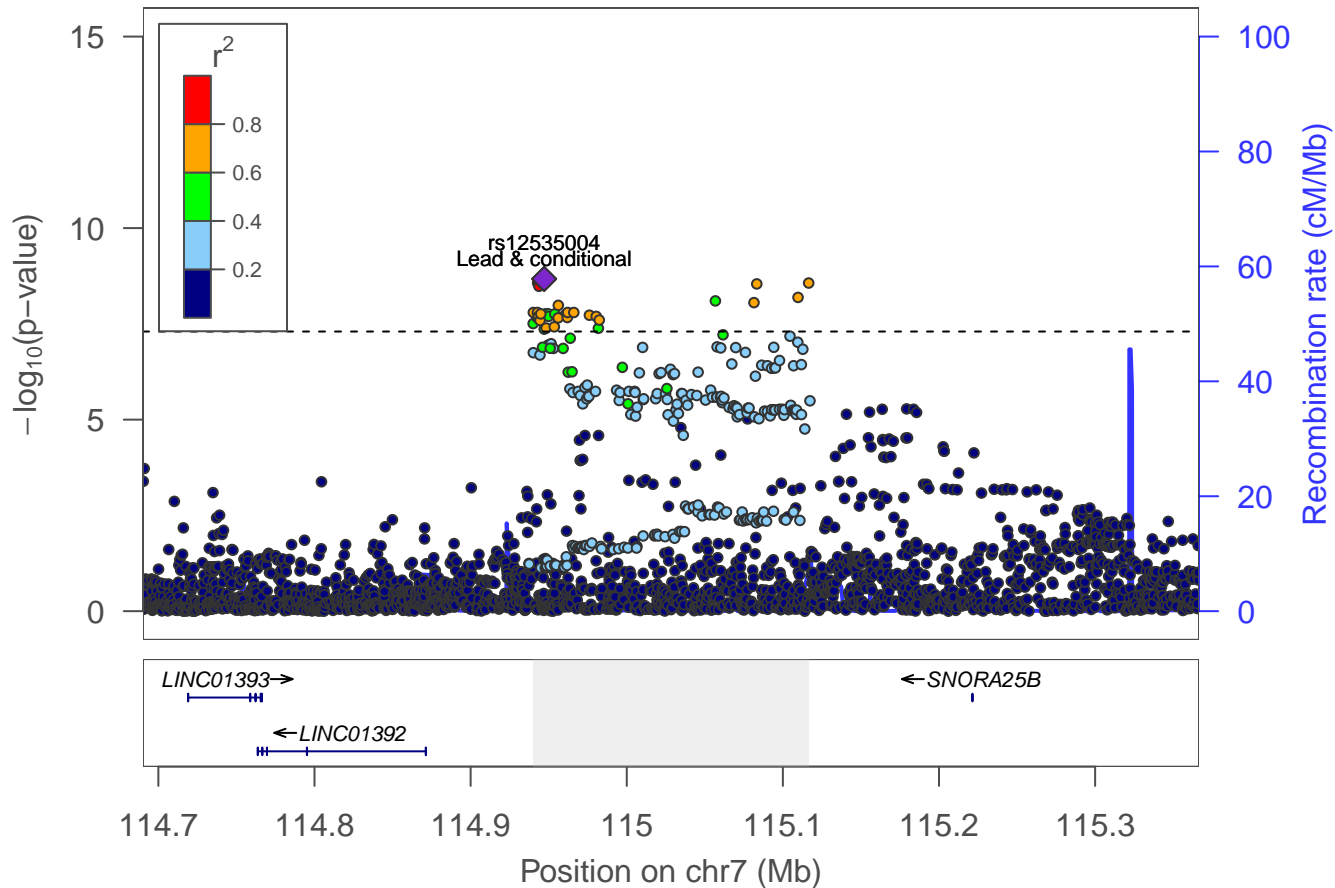
rs17657924 ▲
rs2240294 ●



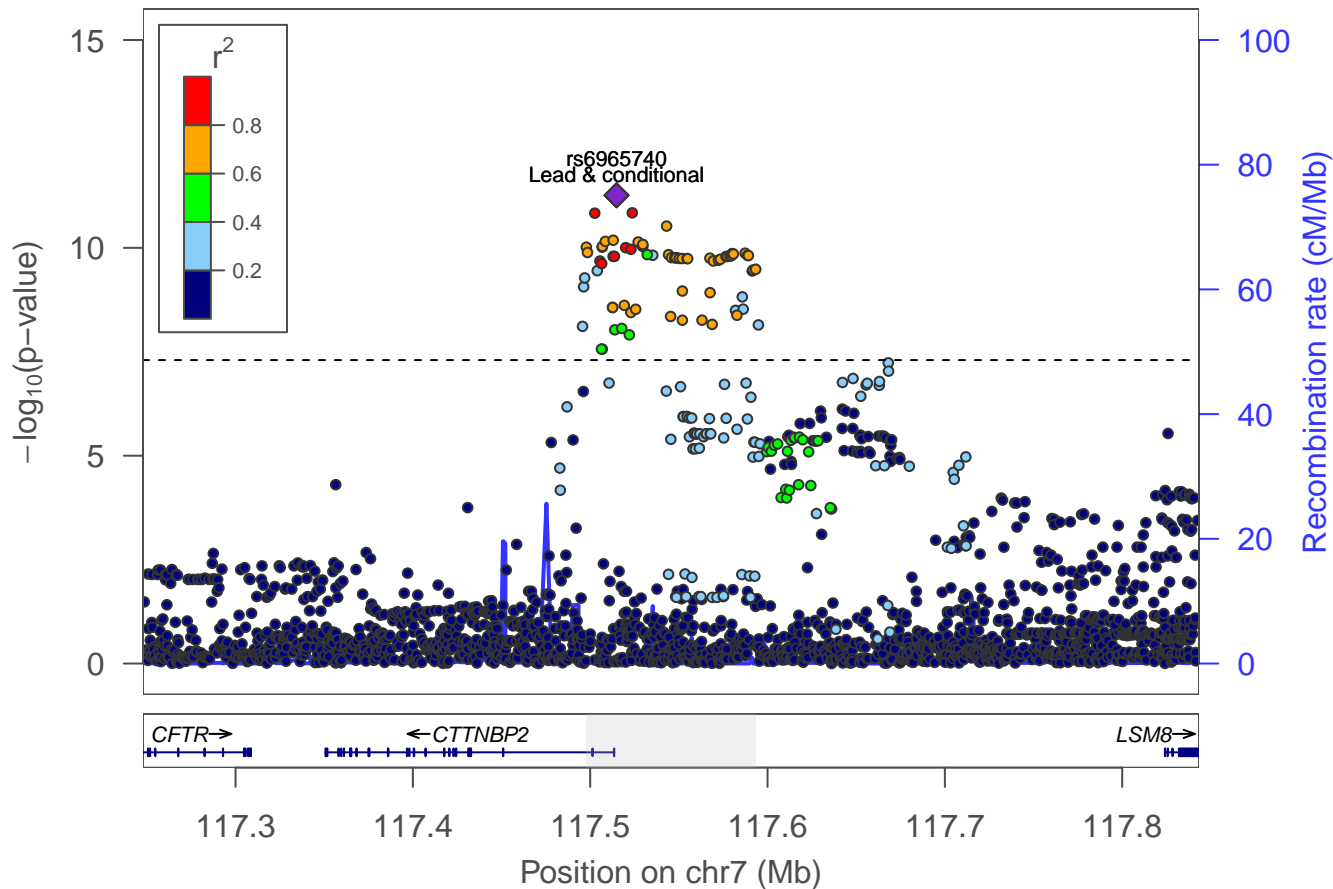
Ever smoker: locus 92 [chr 7:98.899–99.266Mb]



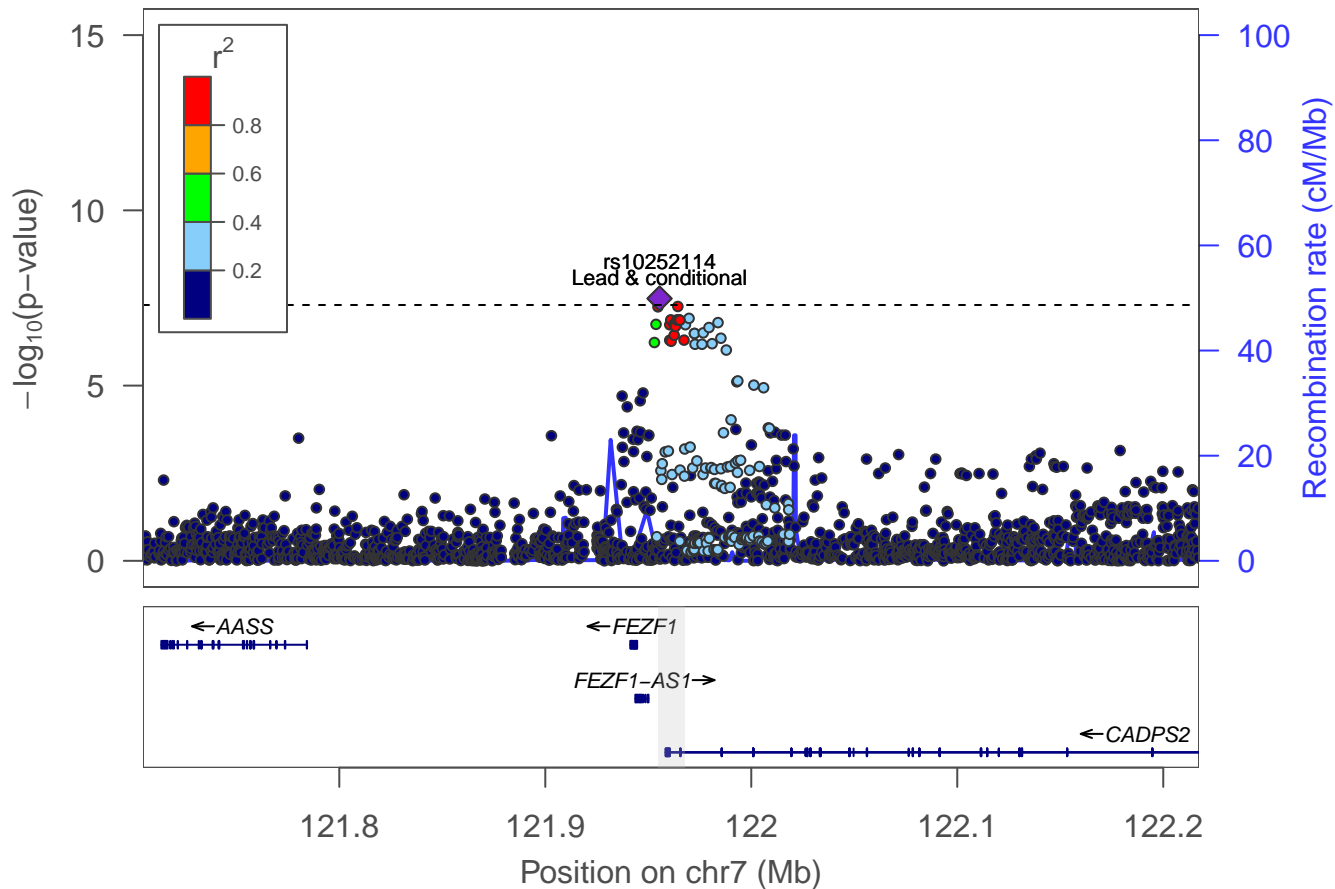
Ever smoker: locus 93 [chr 7:114.940–115.117Mb]



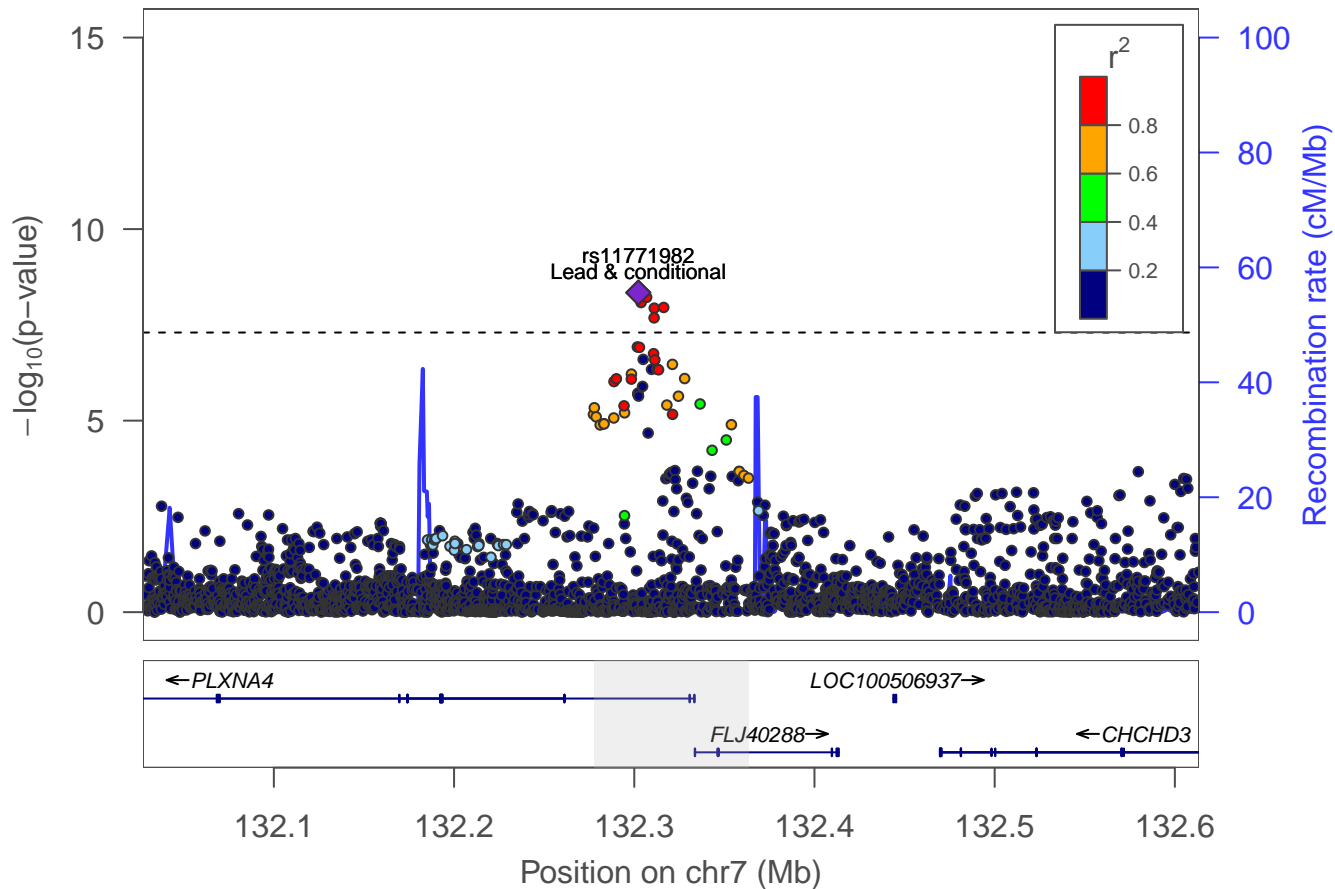
Ever smoker: locus 94 [chr 7:117.498–117.593Mb]



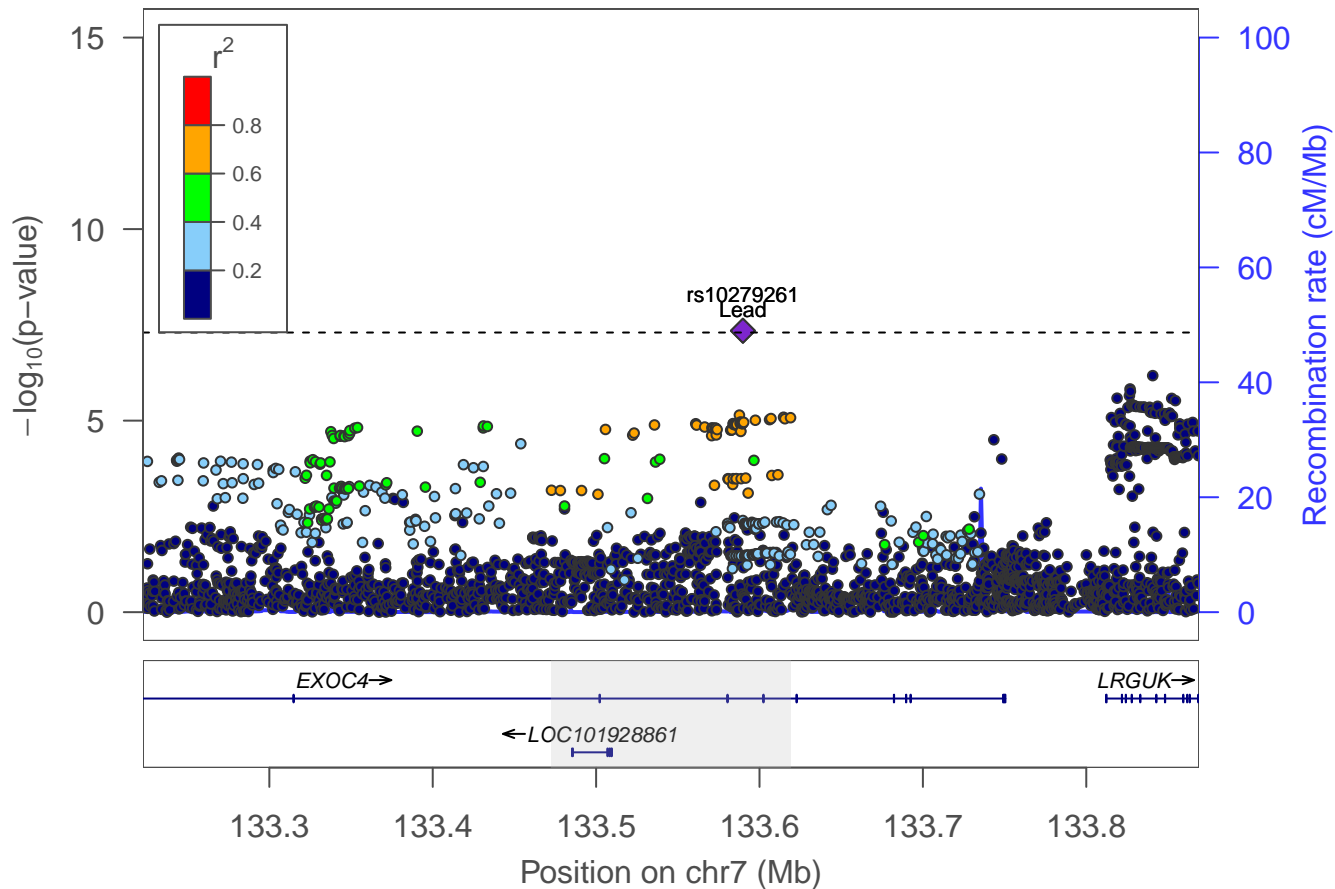
Ever smoker: locus 95 [chr 7:121.955–121.967Mb]



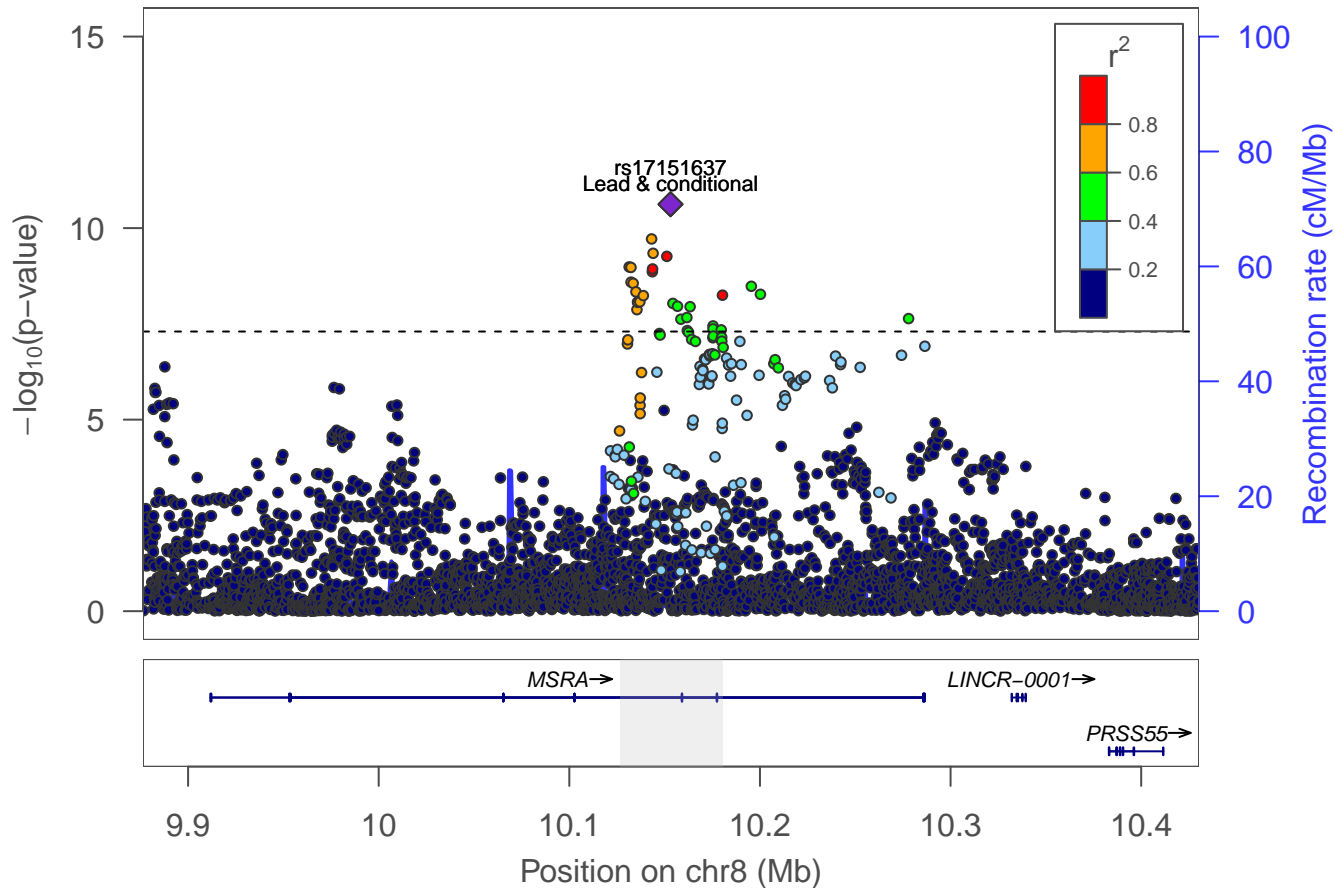
Ever smoker: locus 96 [chr 7:132.277–132.363Mb]



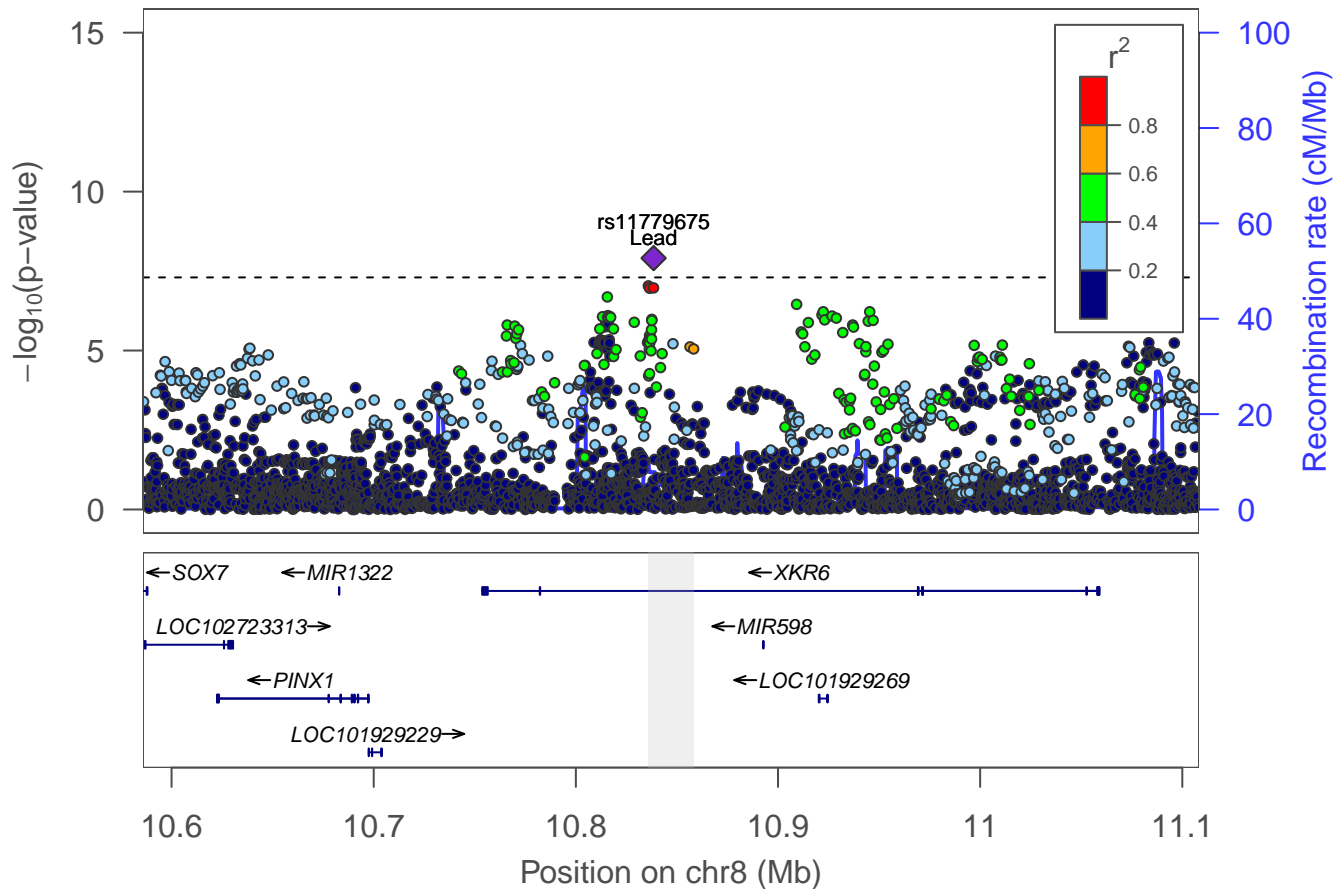
Ever smoker: locus 97 [chr 7:133.473–133.619Mb]



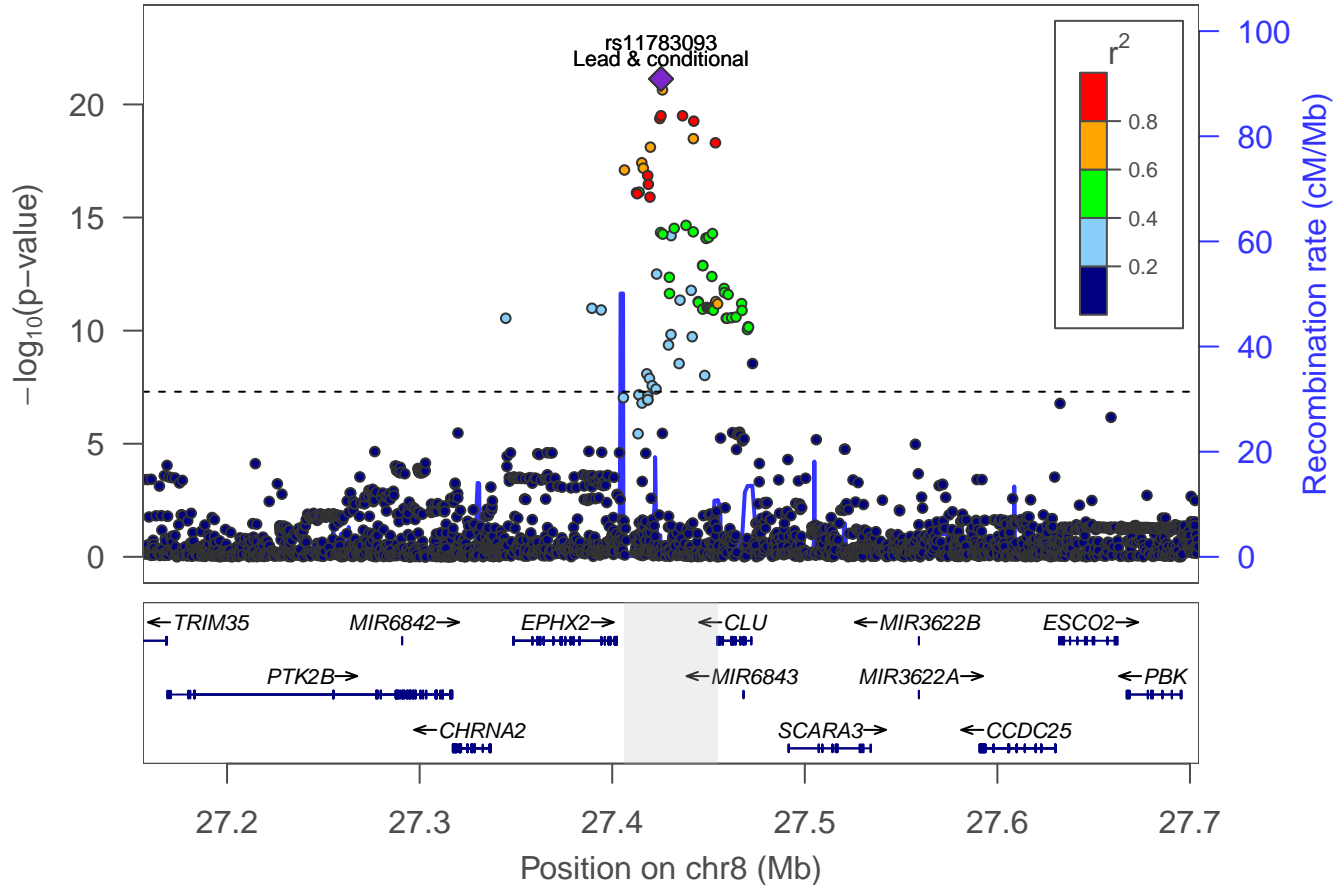
Ever smoker: locus 98 [chr 8:10.126–10.180Mb]



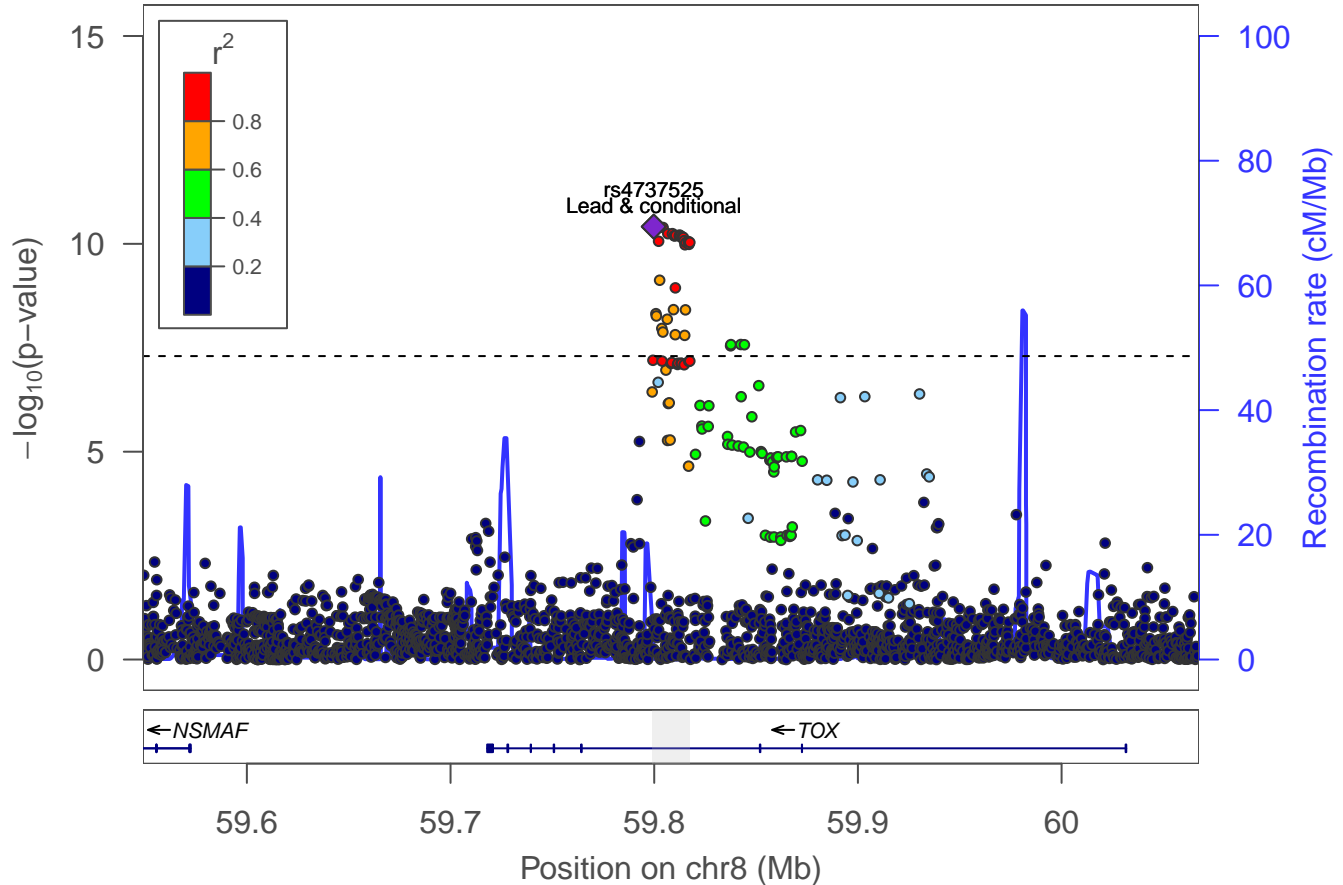
Ever smoker: locus 99 [chr 8:10.836–10.858Mb]



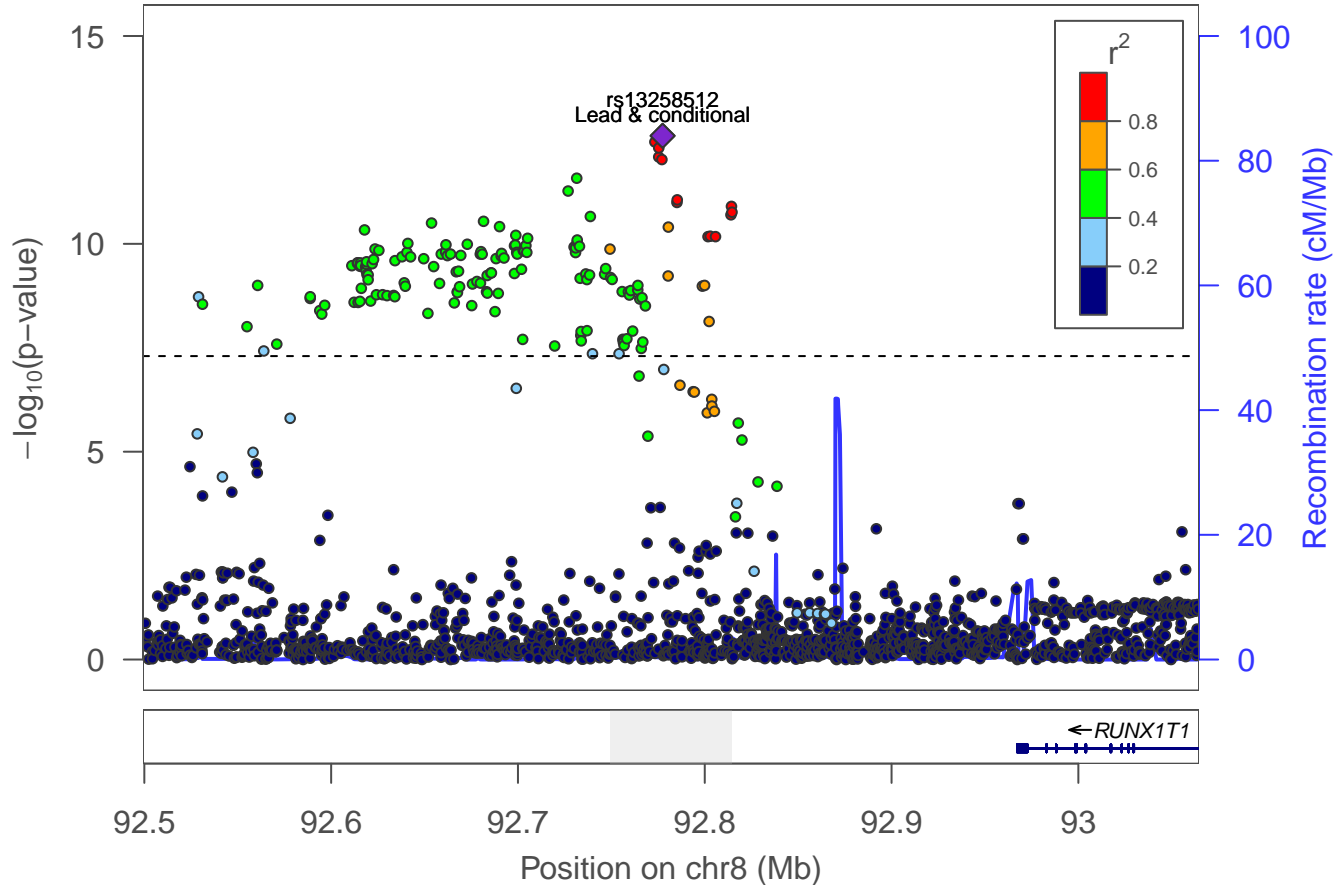
Ever smoker: locus 100 [chr 8:27.406–27.455Mb]



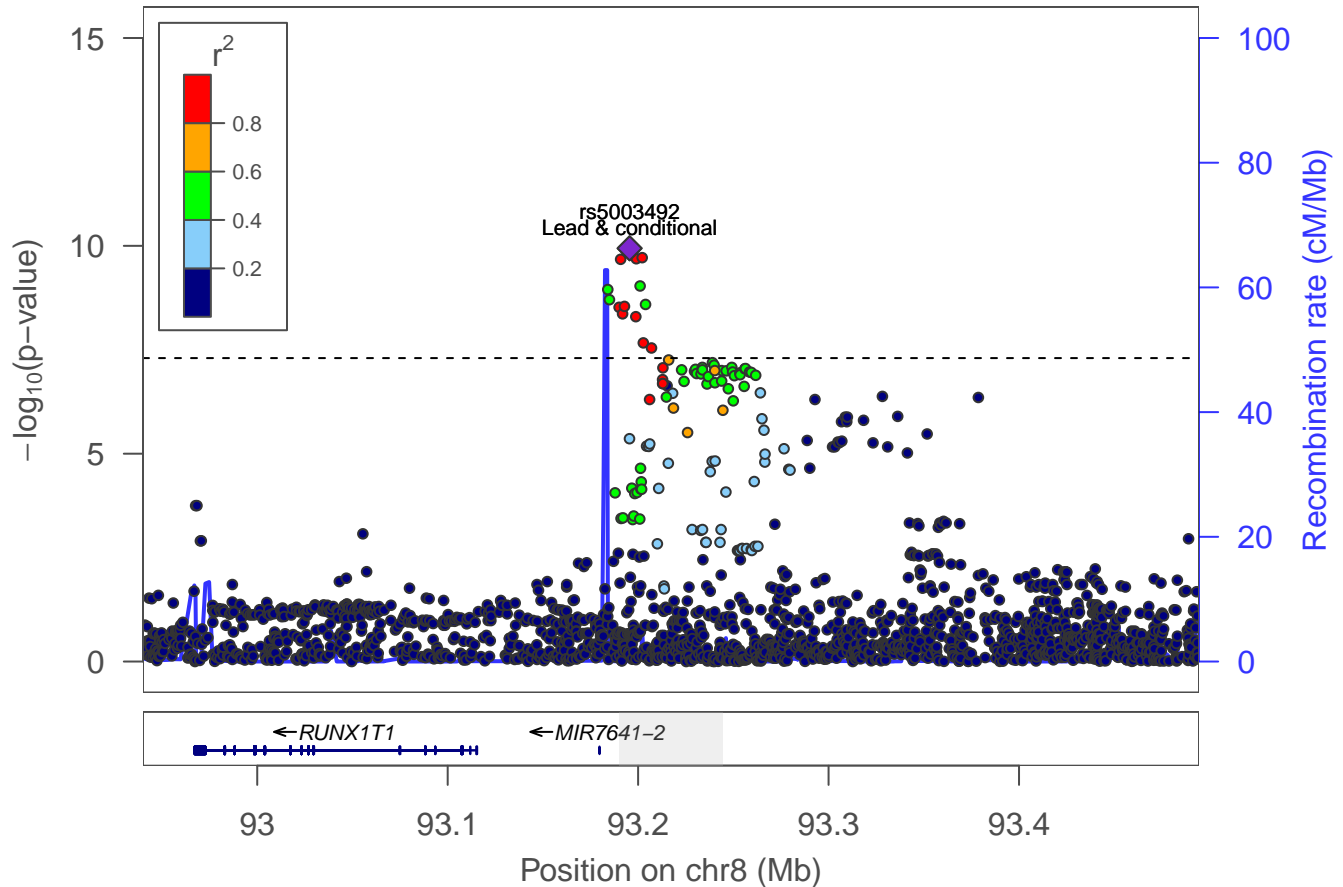
Ever smoker: locus 101 [chr 8:59.799–59.817Mb]



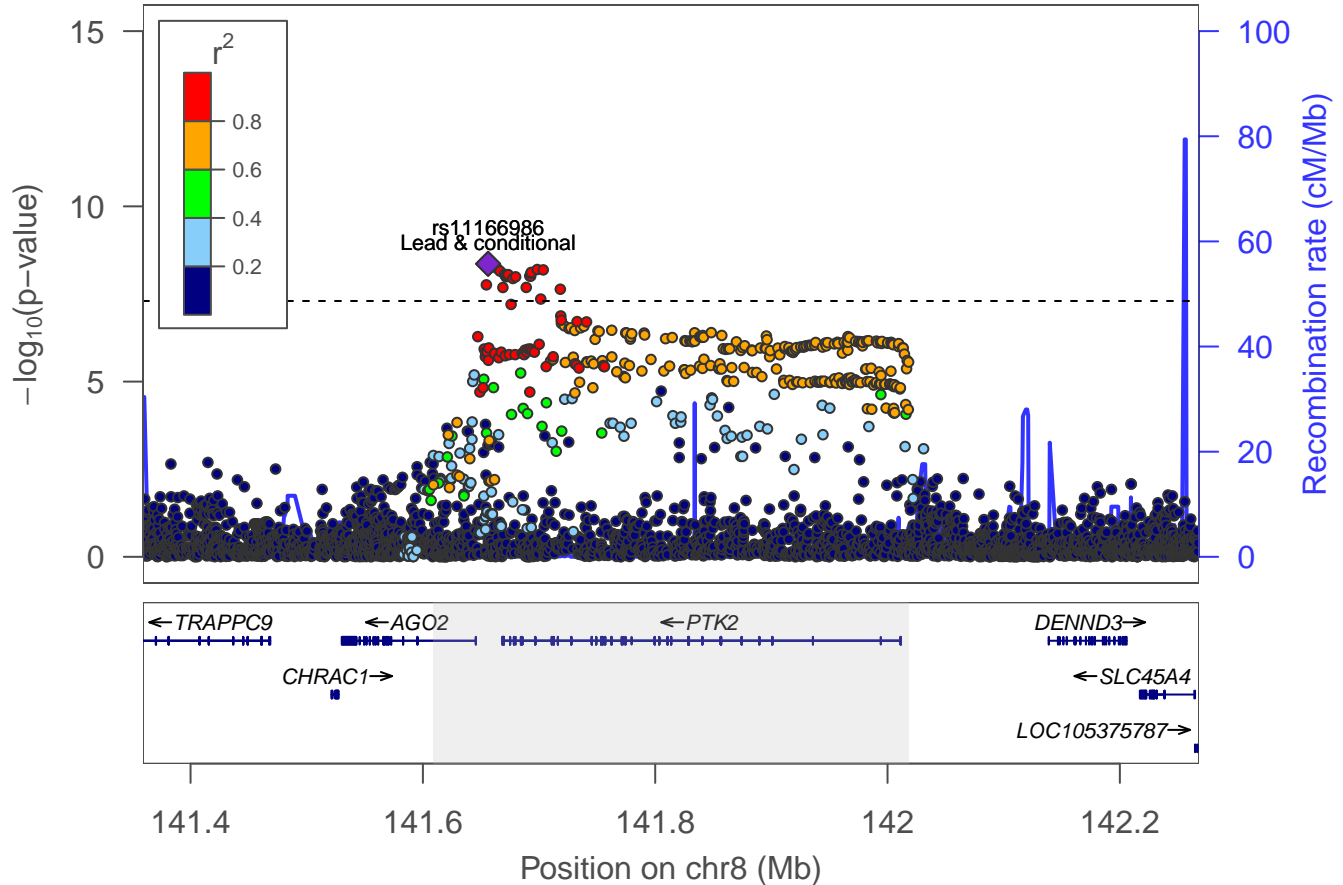
Ever smoker: locus 102 [chr 8:92.749–92.815Mb]



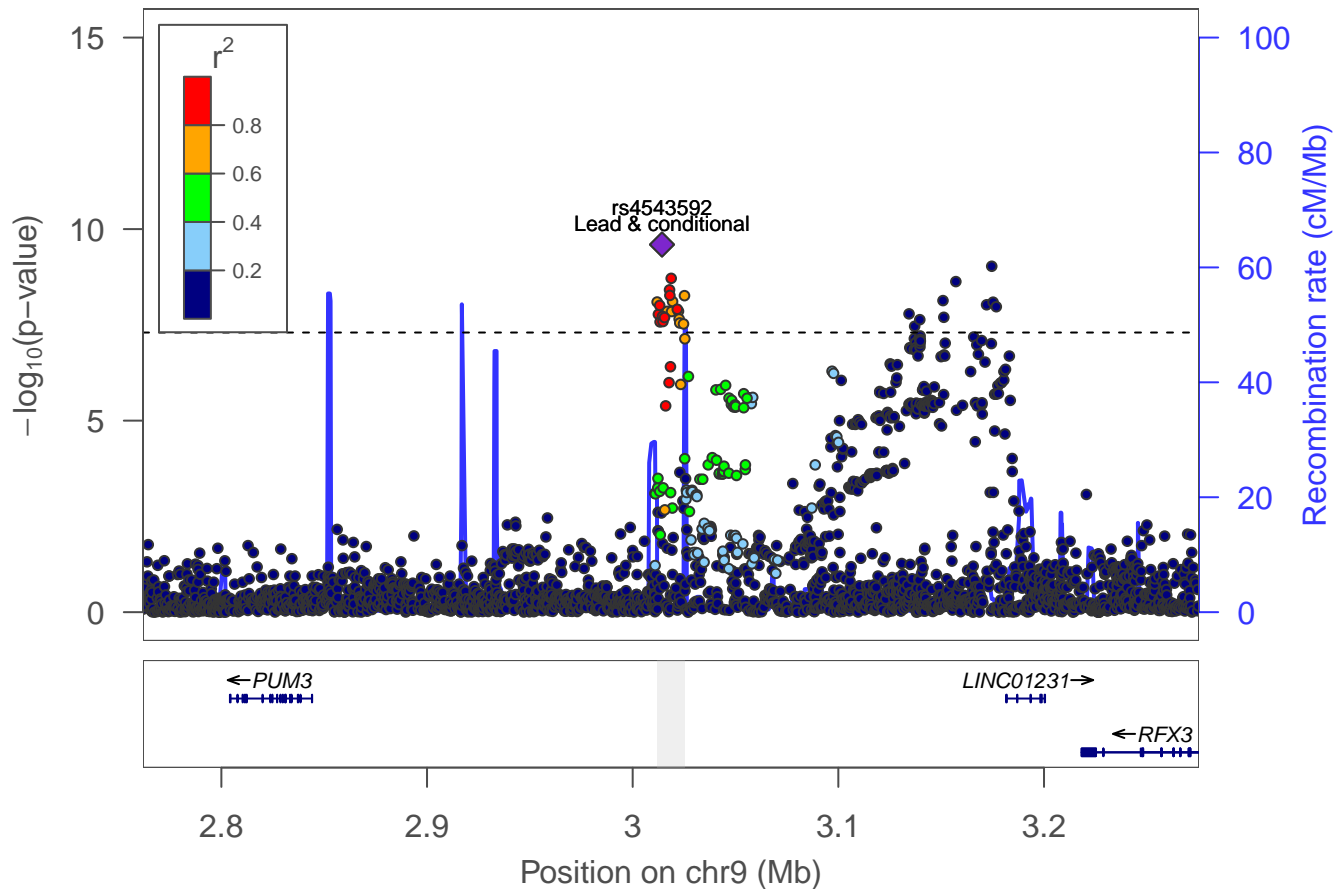
Ever smoker: locus 103 [chr 8:93.190–93.245Mb]



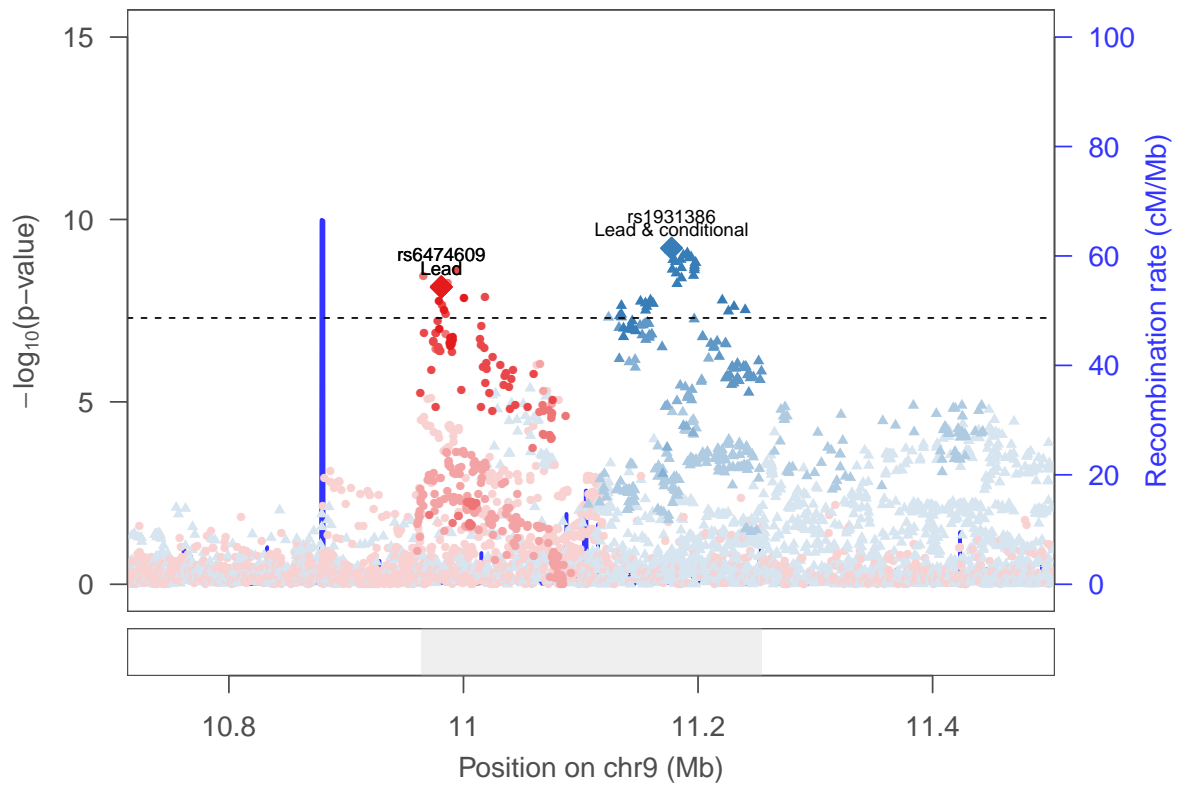
Ever smoker: locus 104 [chr 8:141.609–142.018Mb]



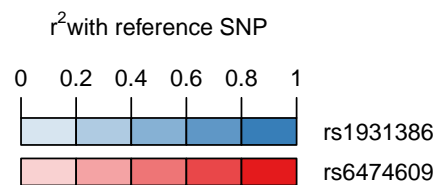
Ever smoker: locus 105 [chr 9:3.012–3.025Mb]



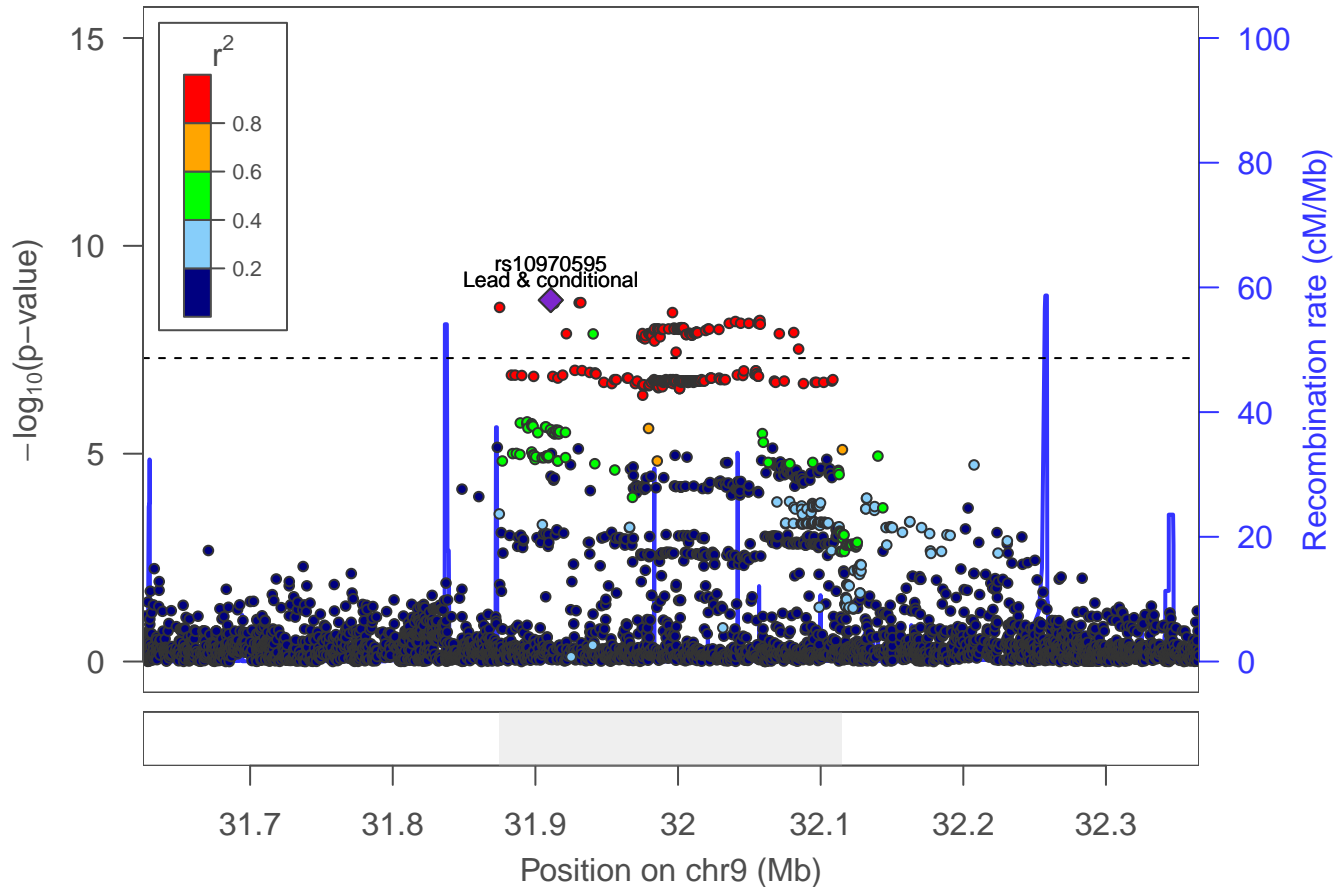
Ever smoker: Locus 106 [chr 9: 10.963–11.254Mb]



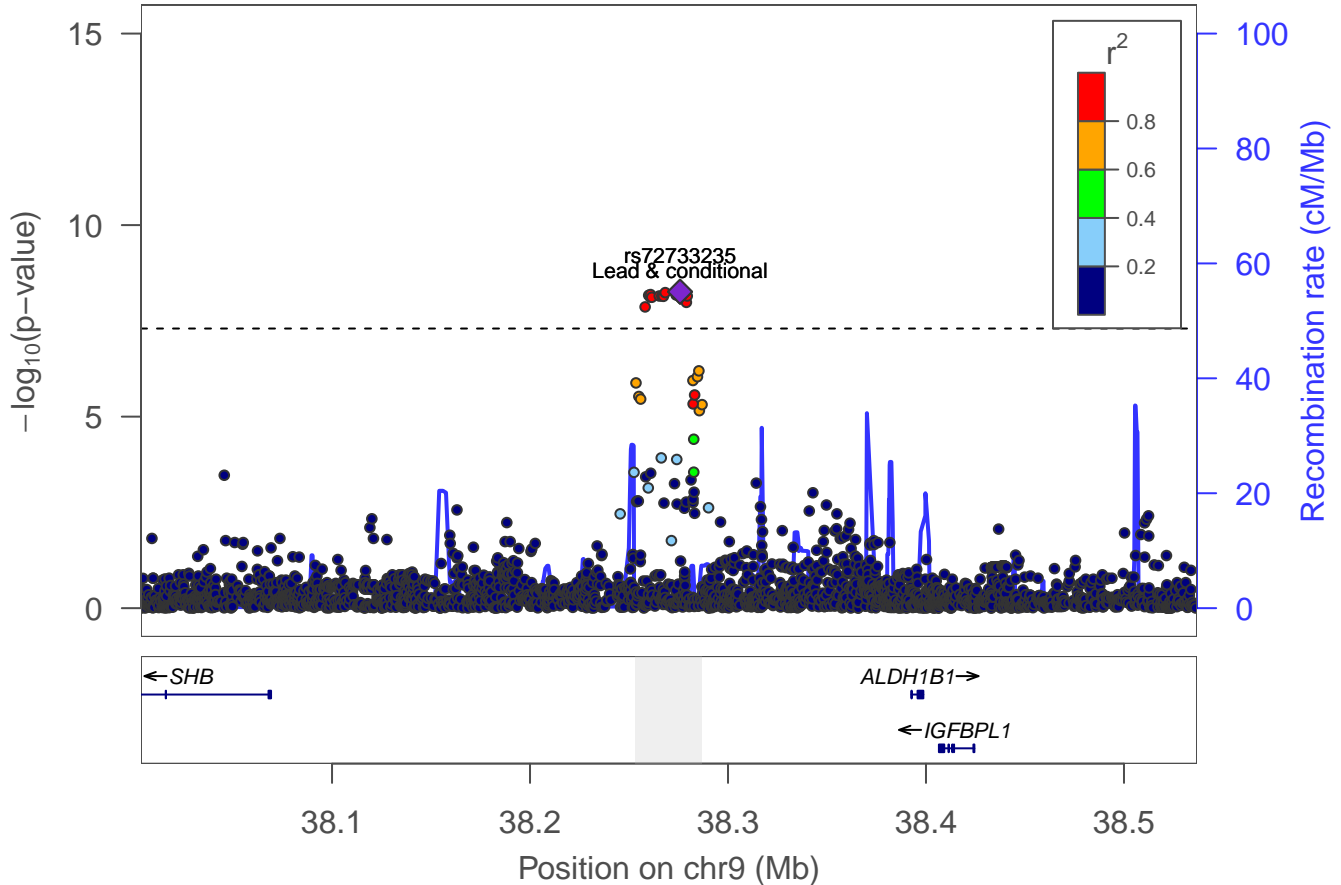
rs1931386 ▲
rs6474609 ●



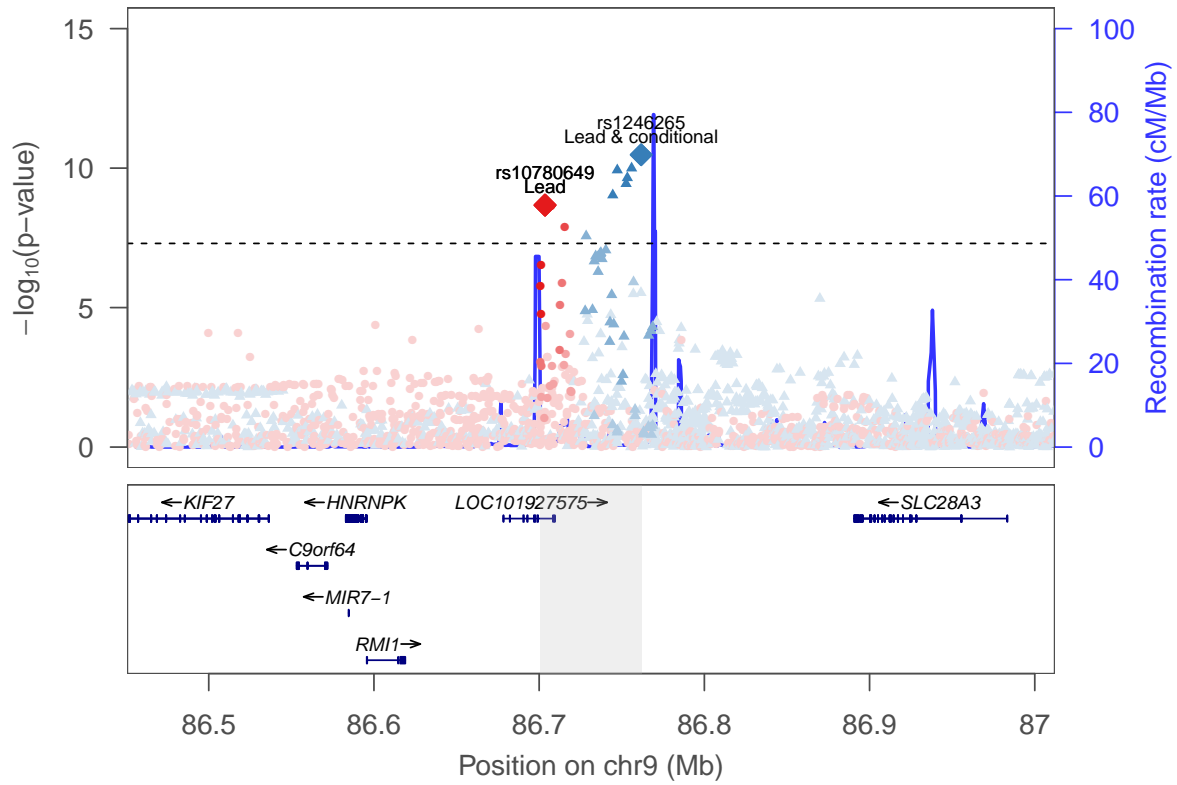
Ever smoker: locus 107 [chr 9:31.875–32.115Mb]



Ever smoker: locus 108 [chr 9:38.254–38.287Mb]



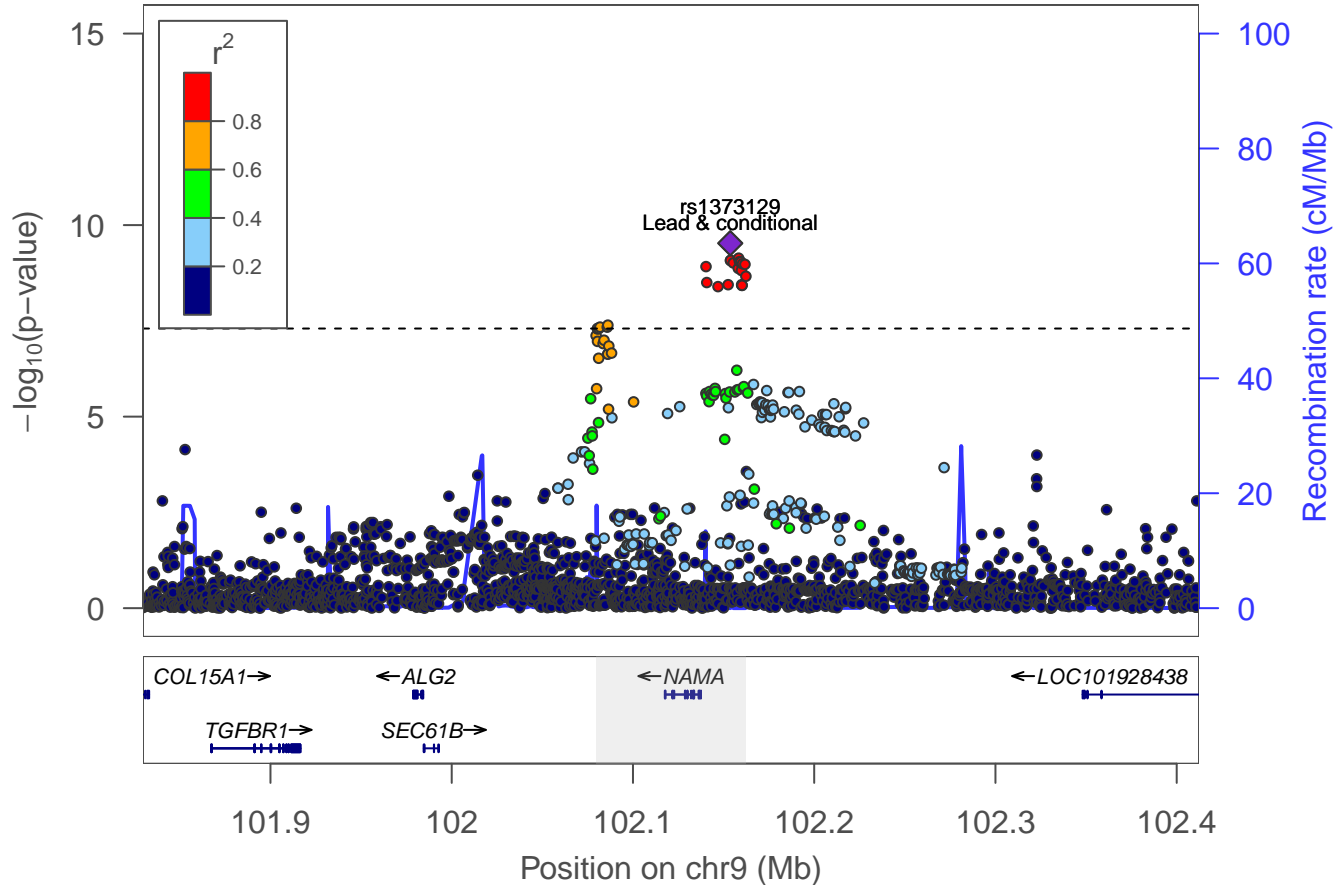
Ever smoker: Locus 109 [chr 9: 86.701–86.762Mb]



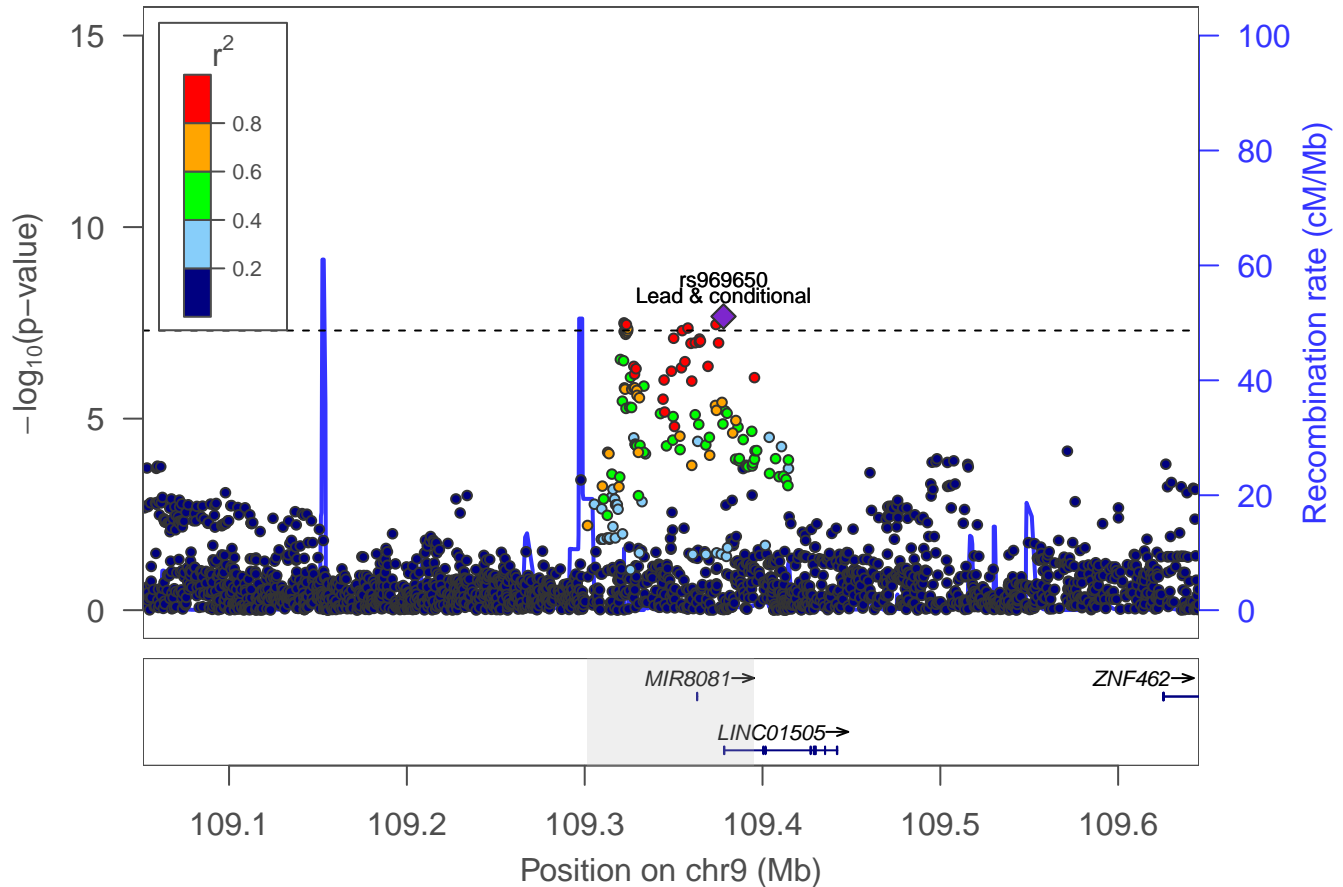
rs1246265 ▲
rs10780649 ●



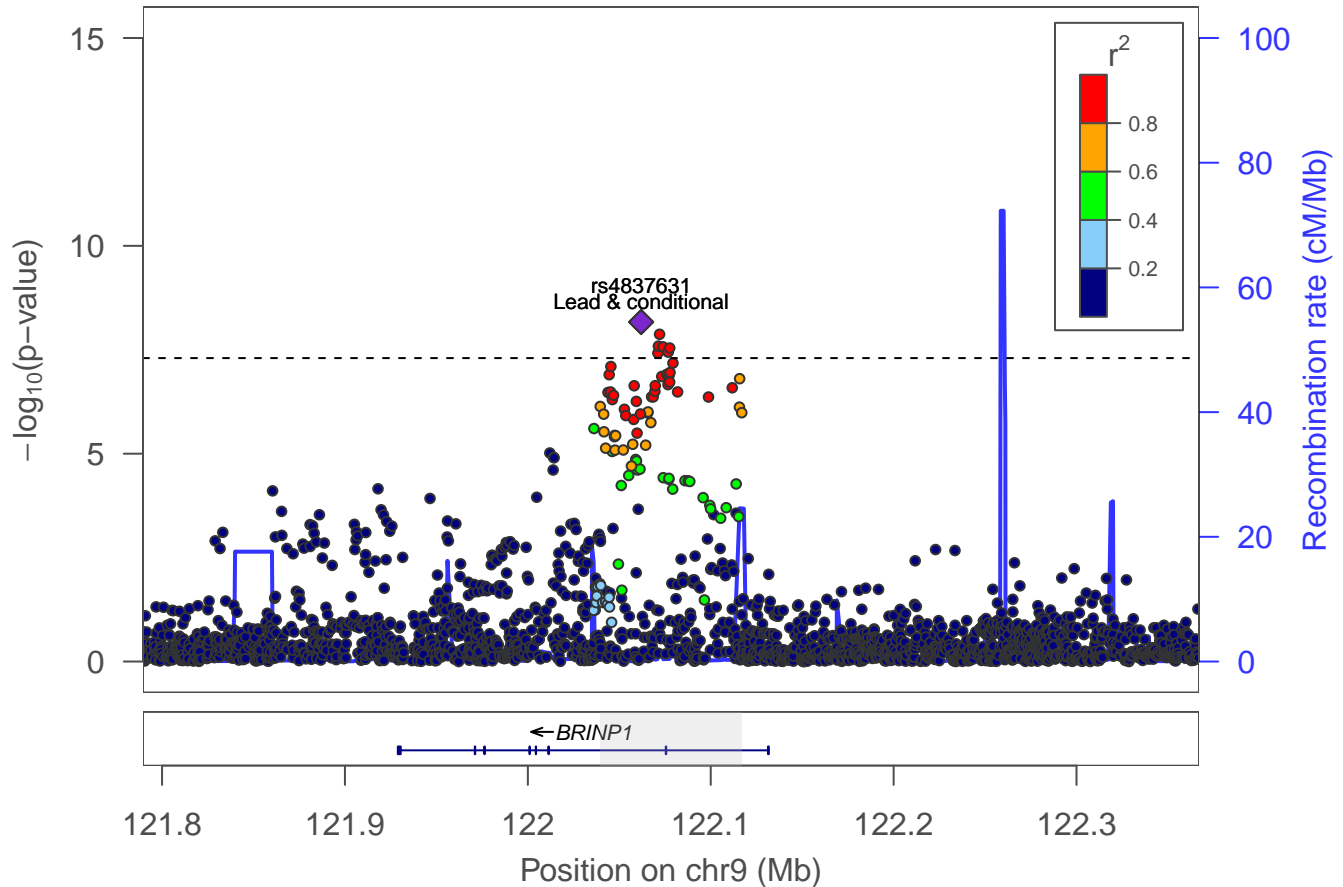
Ever smoker: locus 110 [chr 9:102.080–102.162Mb]



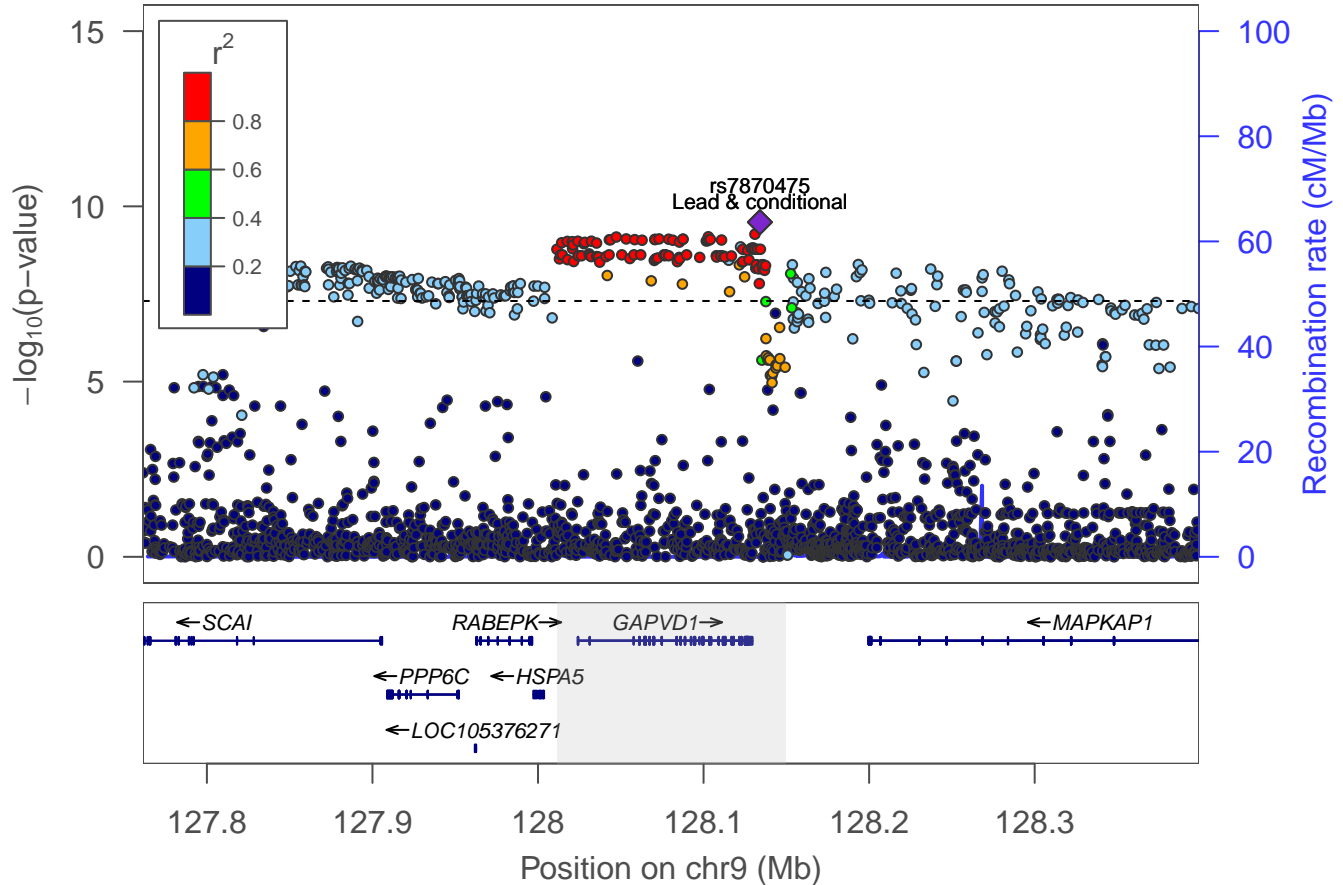
Ever smoker: locus 111 [chr 9:109.302–109.395Mb]



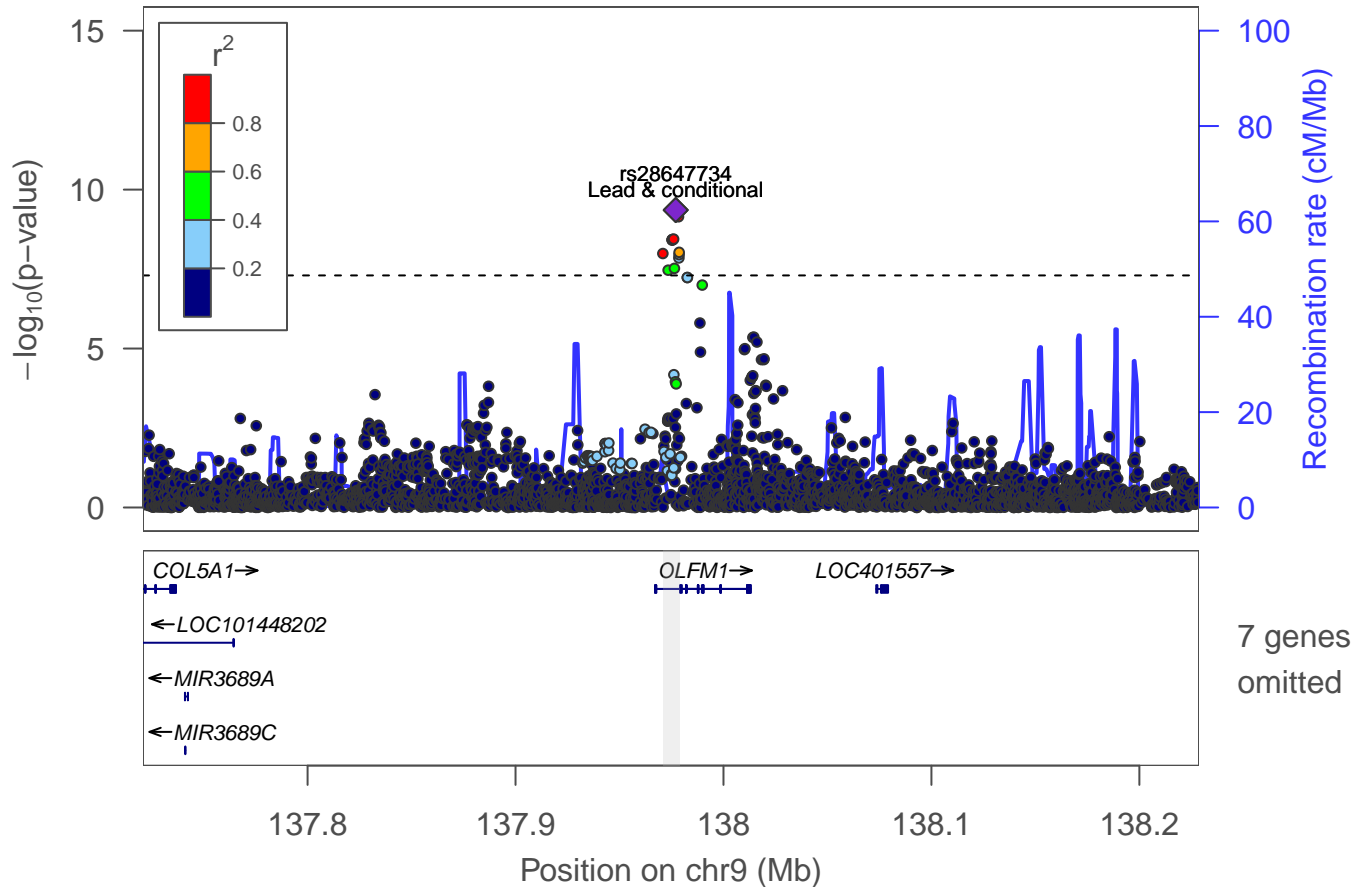
Ever smoker: locus 112 [chr 9:122.040–122.117Mb]



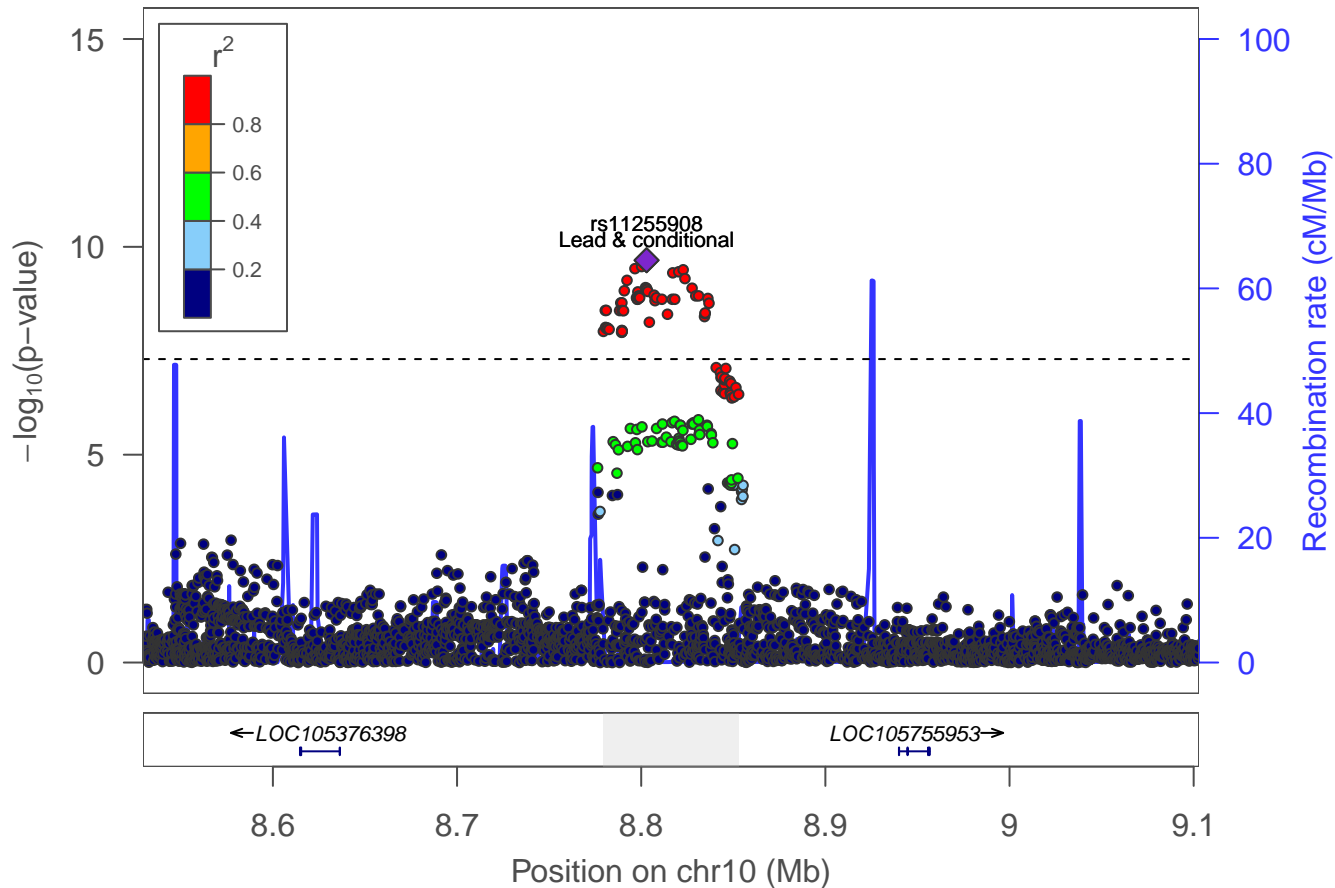
Ever smoker: locus 113 [chr 9:128.011–128.149Mb]



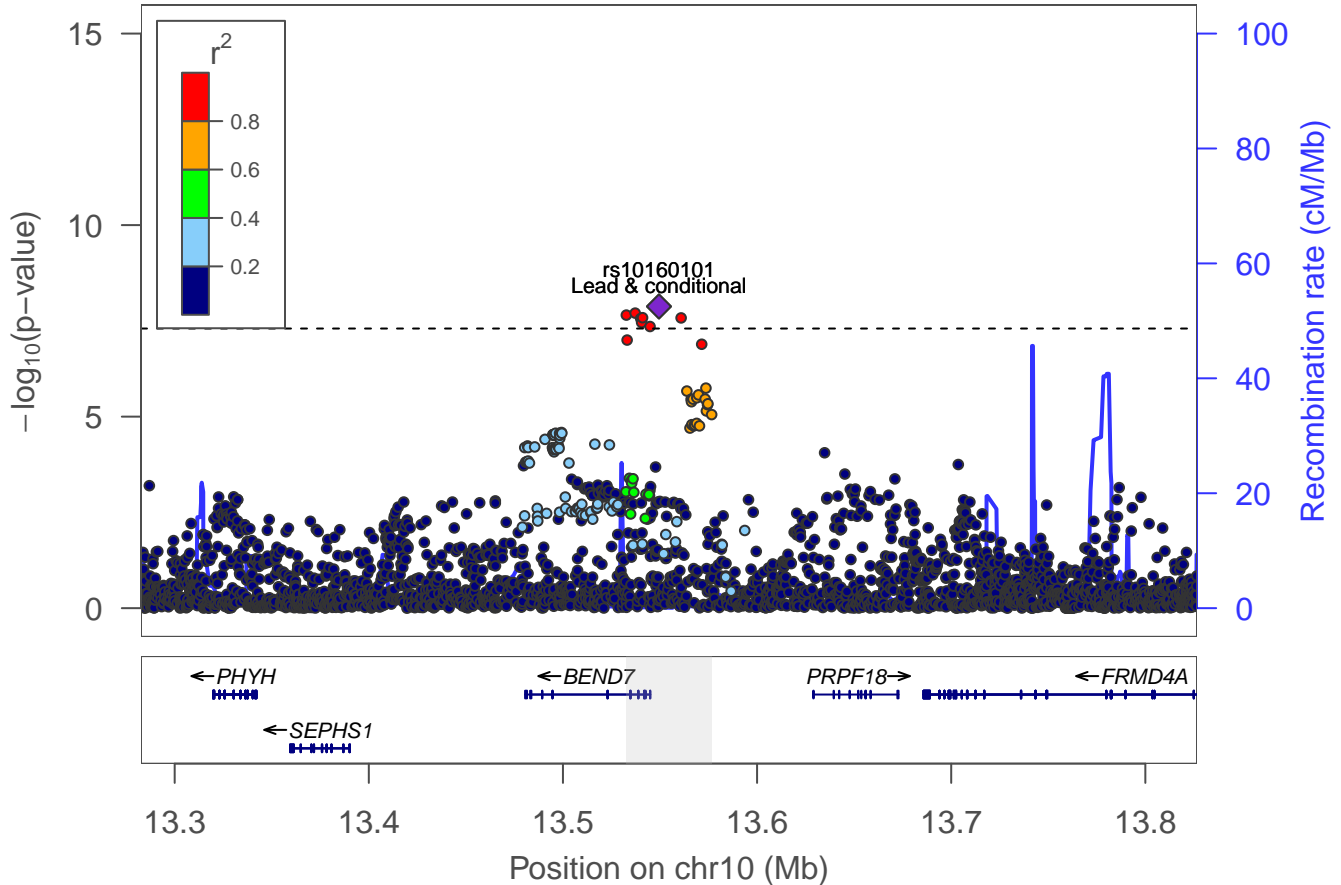
Ever smoker: locus 114 [chr 9:137.971–137.979Mb]



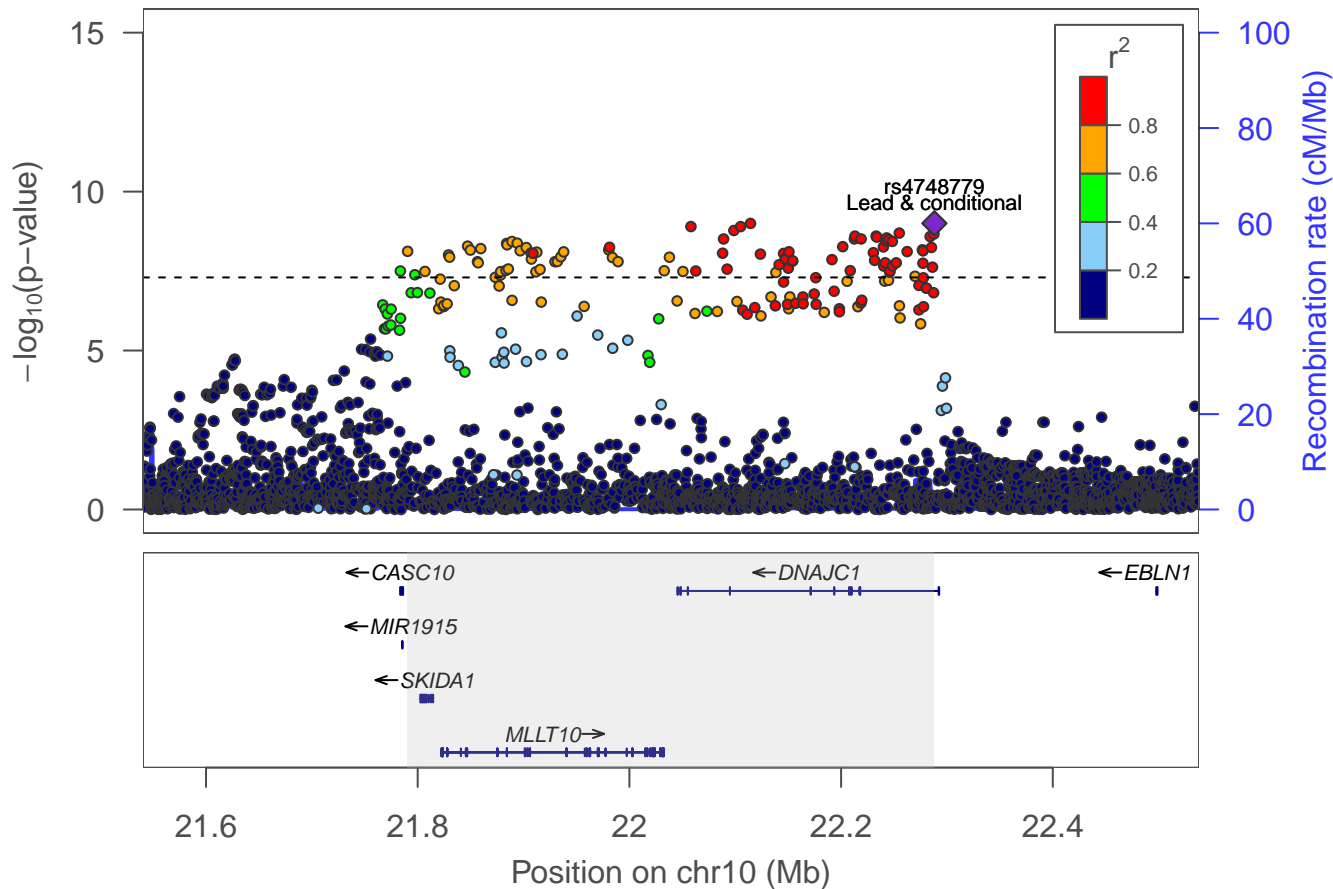
Ever smoker: locus 115 [chr 10:8.779–8.853Mb]



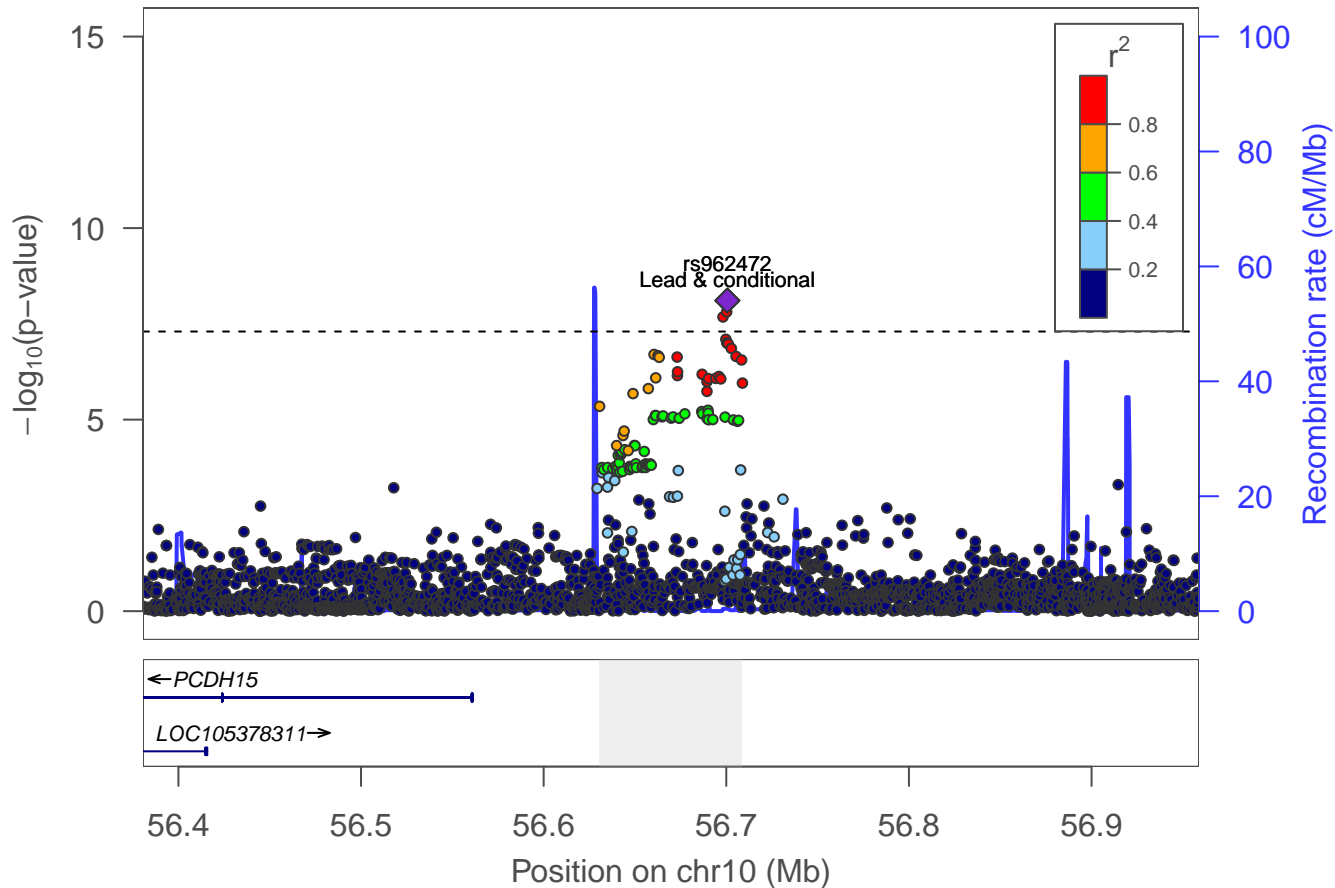
Ever smoker: locus 116 [chr 10:13.533–13.577Mb]



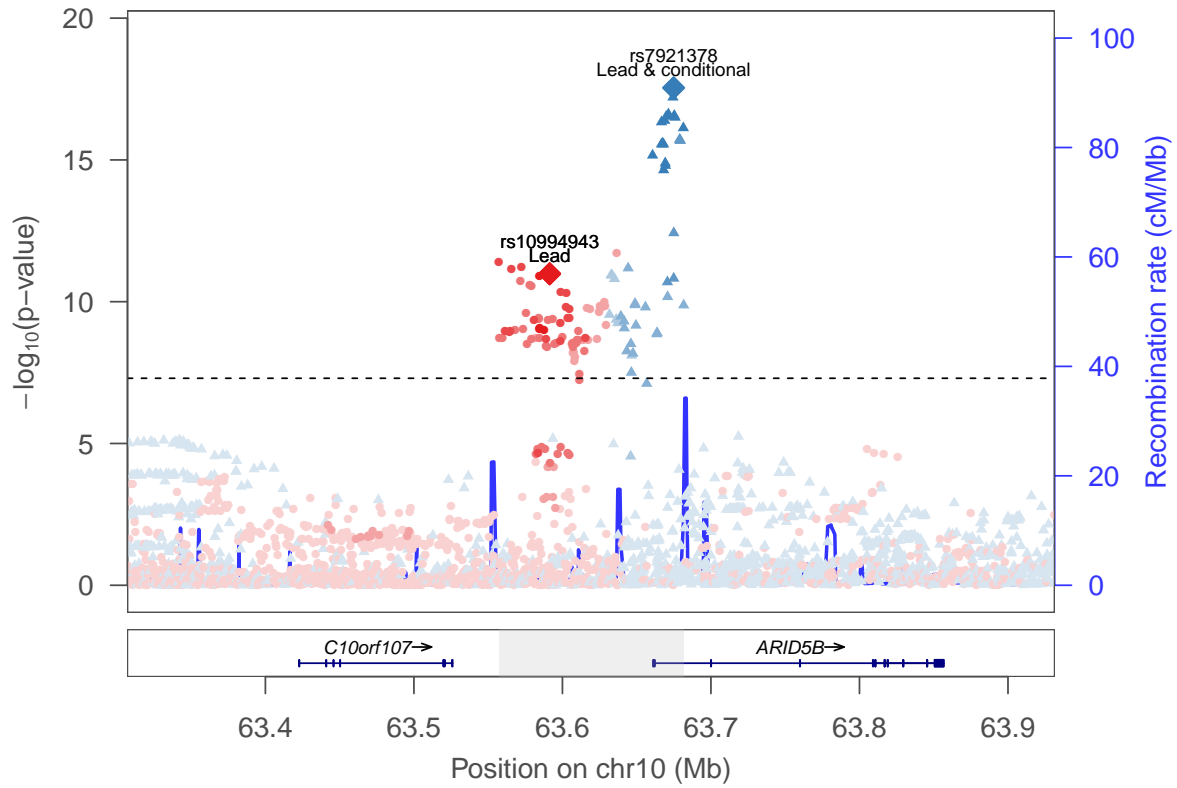
Ever smoker: locus 117 [chr 10:21.790–22.288Mb]



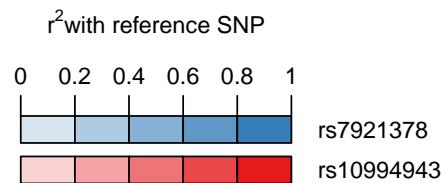
Ever smoker: locus 118 [chr 10:56.631–56.709Mb]



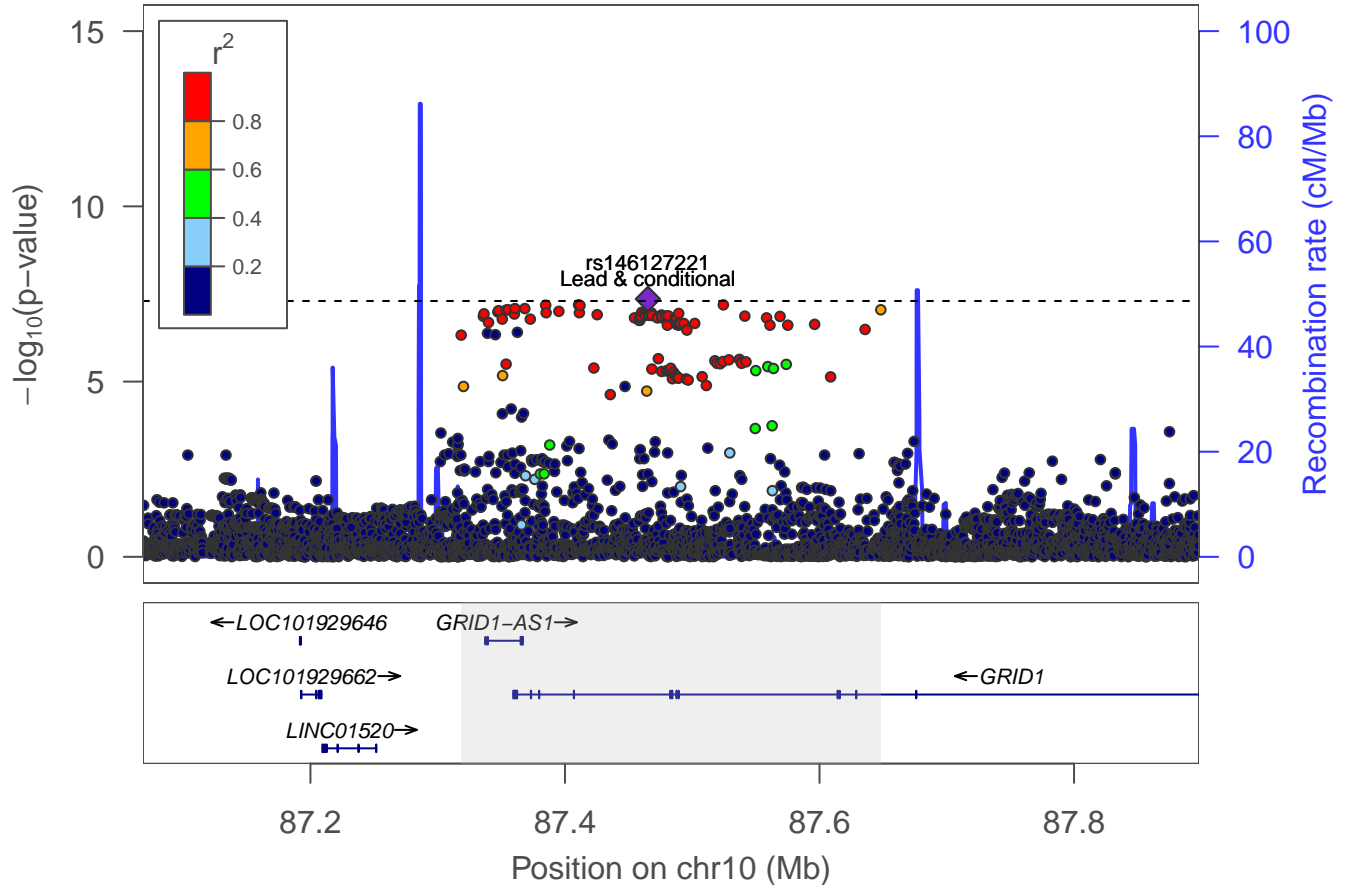
Ever smoker: Locus 119 [chr 10: 63.557–63.681Mb]



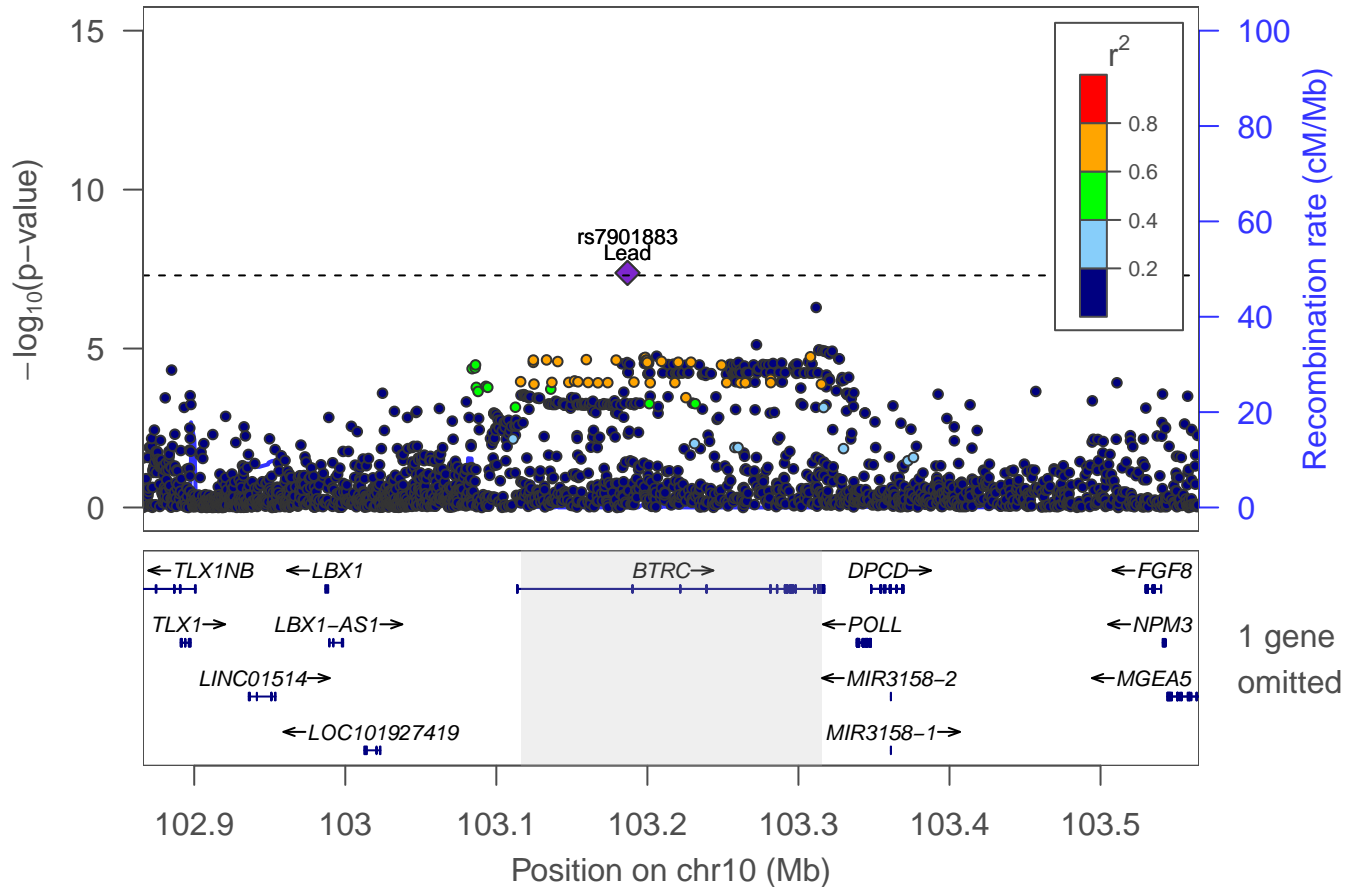
rs7921378 ▲
rs10994943 ●



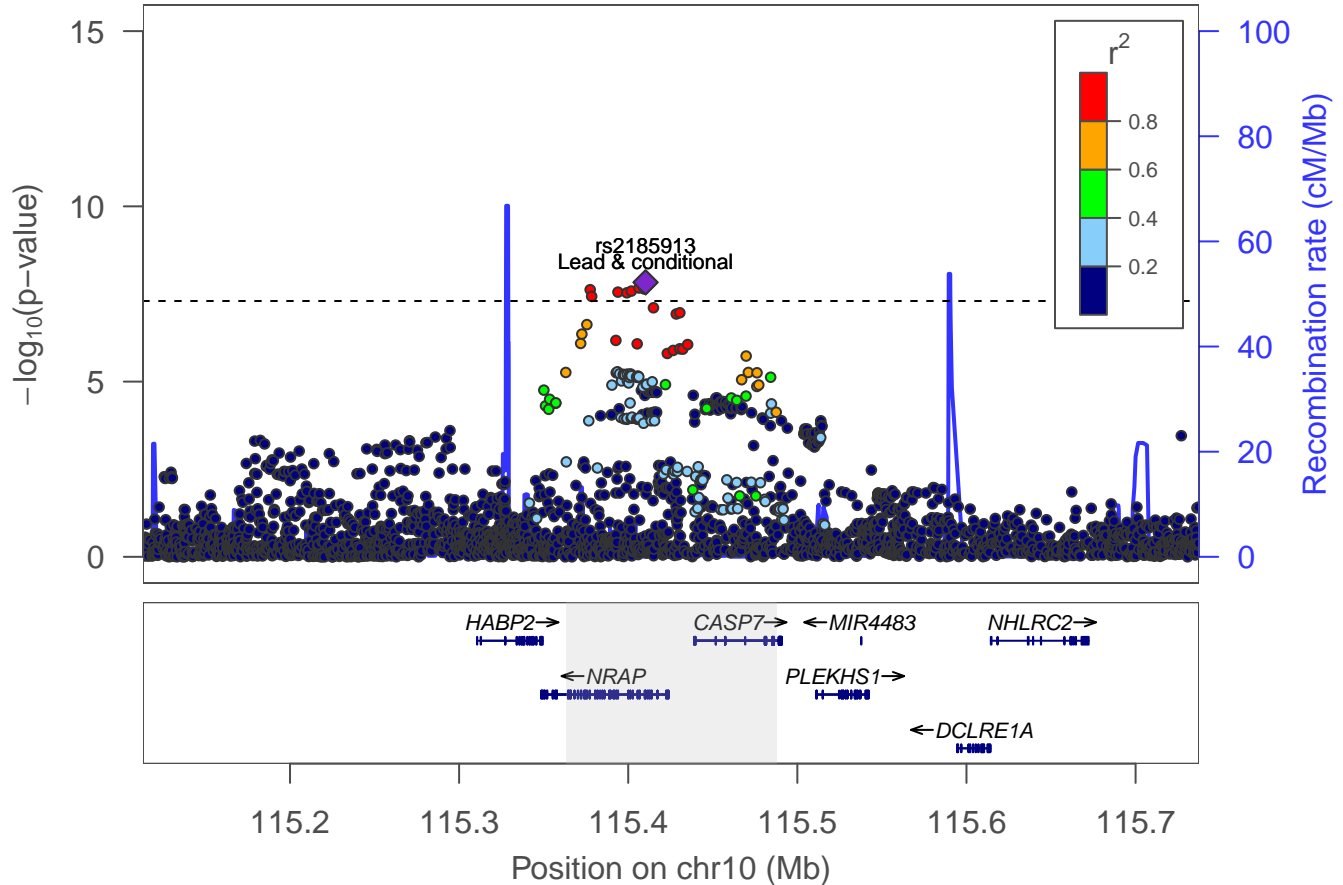
Ever smoker: locus 120 [chr 10:87.318–87.648Mb]



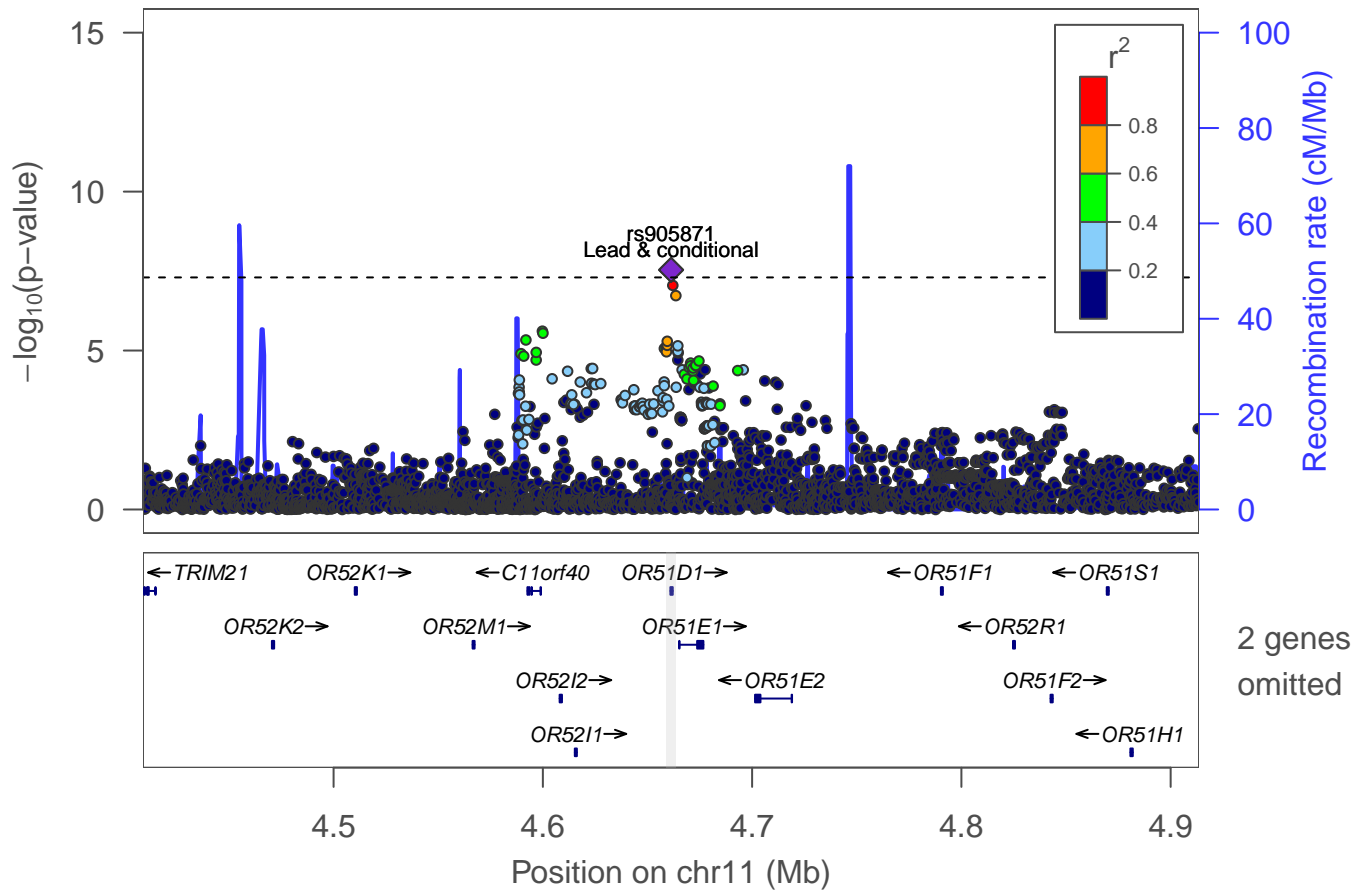
Ever smoker: locus 121 [chr 10:103.116–103.315Mb]



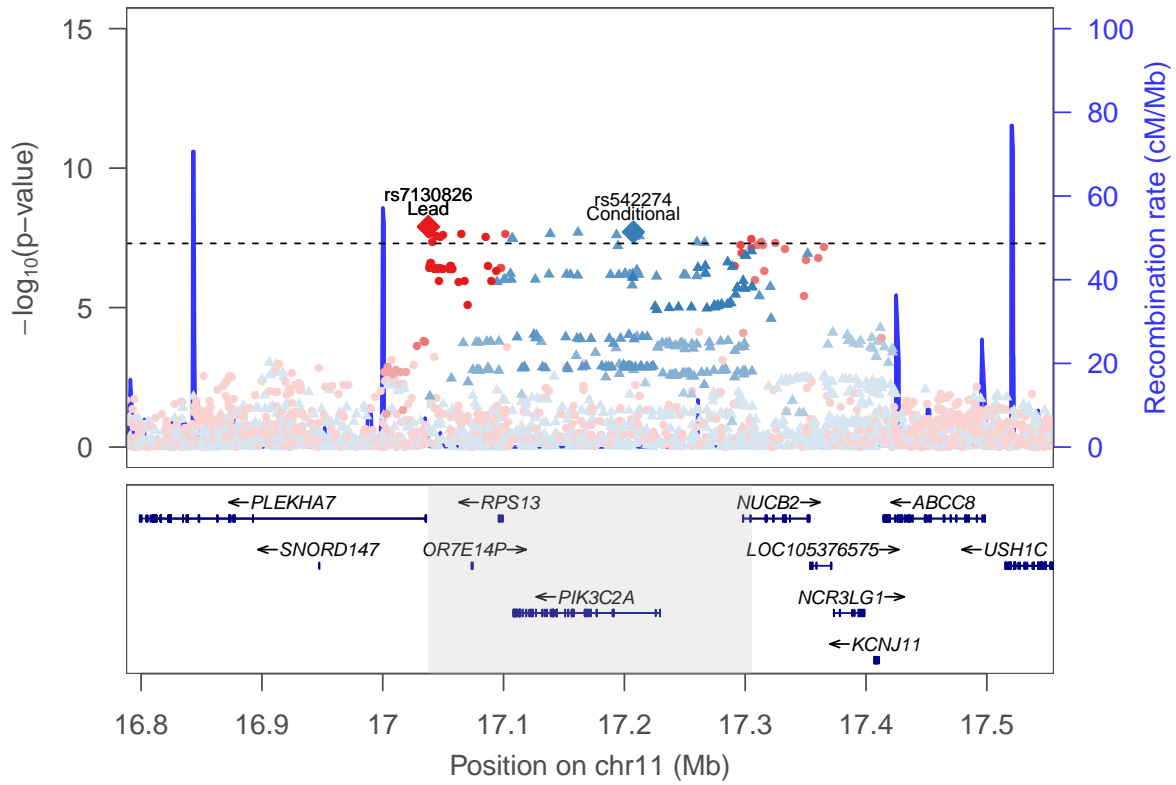
Ever smoker: locus 123 [chr 10:115.363–115.487Mb]



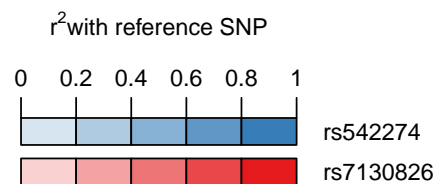
Ever smoker: locus 125 [chr 11:4.659–4.664Mb]



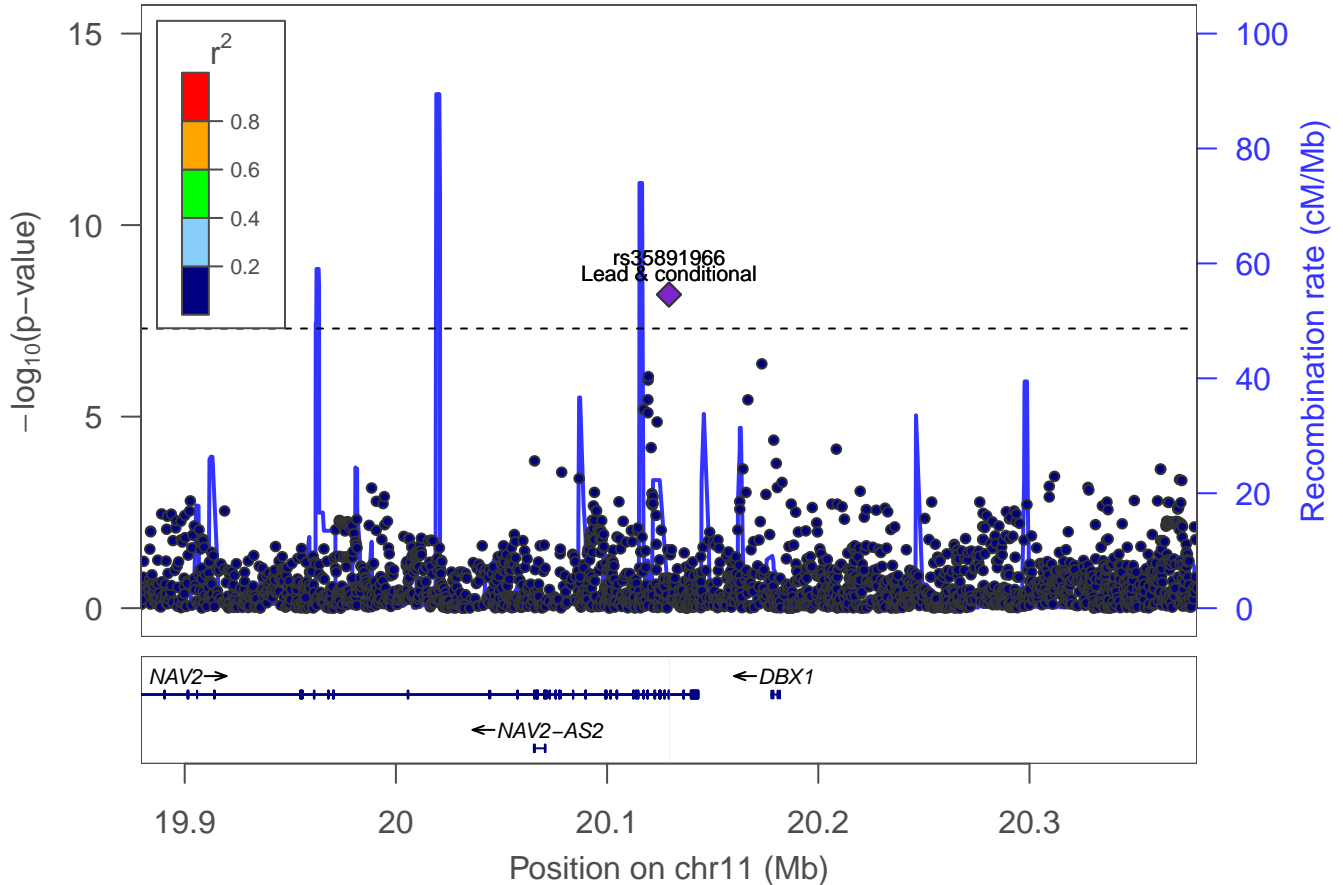
Ever smoker: Locus 126 [chr 11: 17.038–17.305Mb]



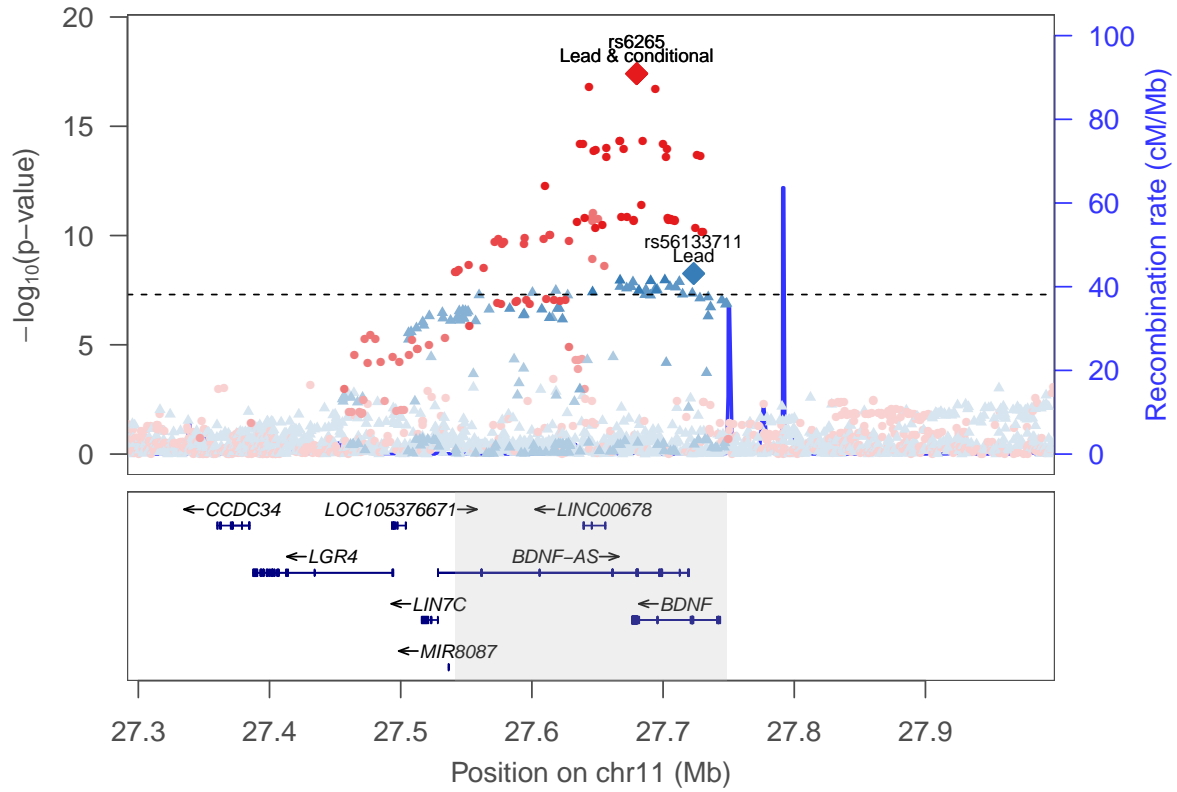
rs542274 ▲
rs7130826 ●



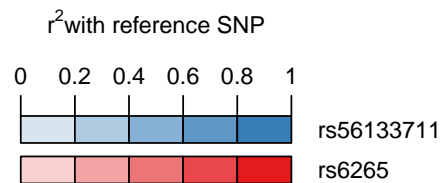
Ever smoker: locus 127 [chr 11:20.129–20.129Mb]



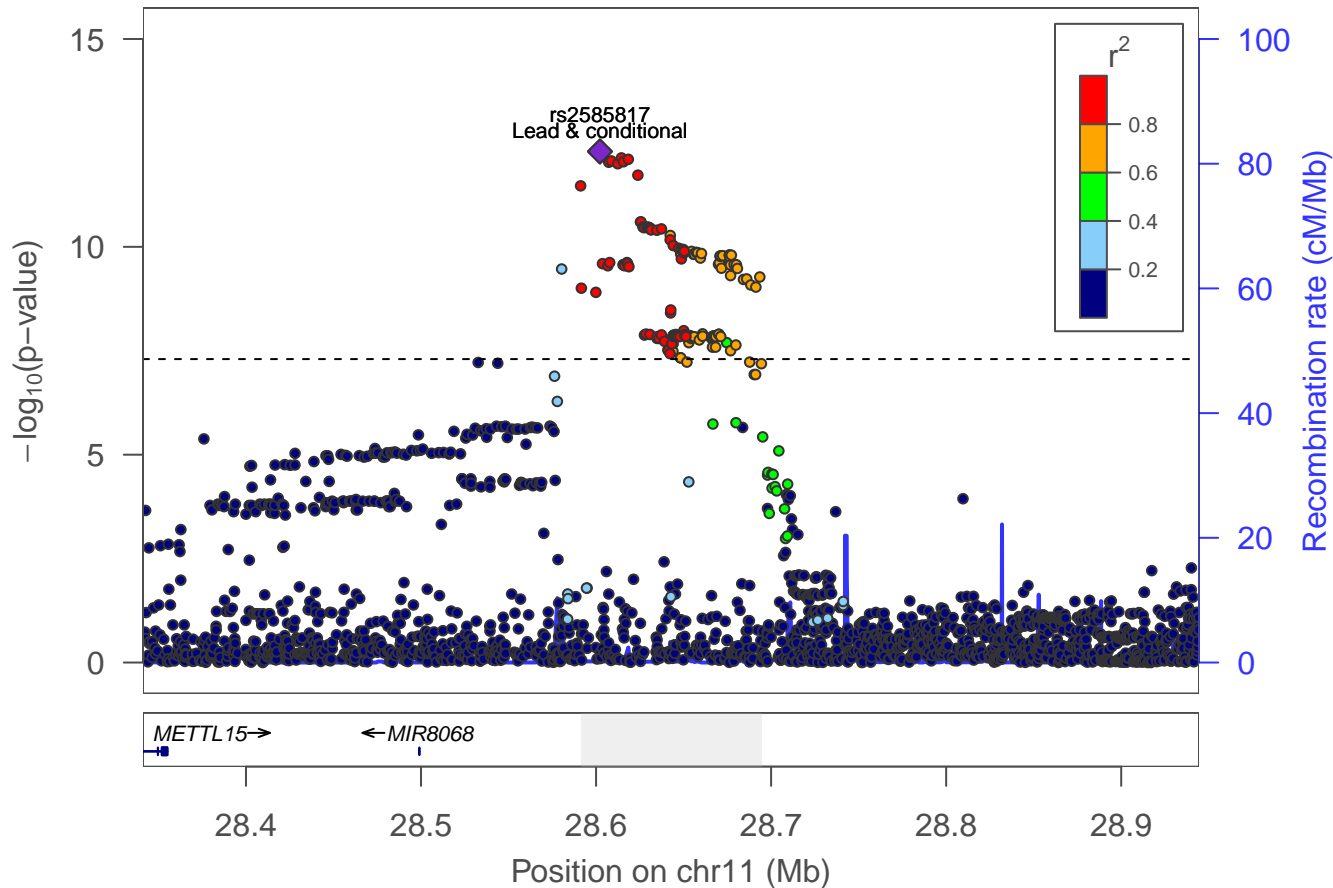
Ever smoker: Locus 128 [chr 11: 27.542–27.748Mb]



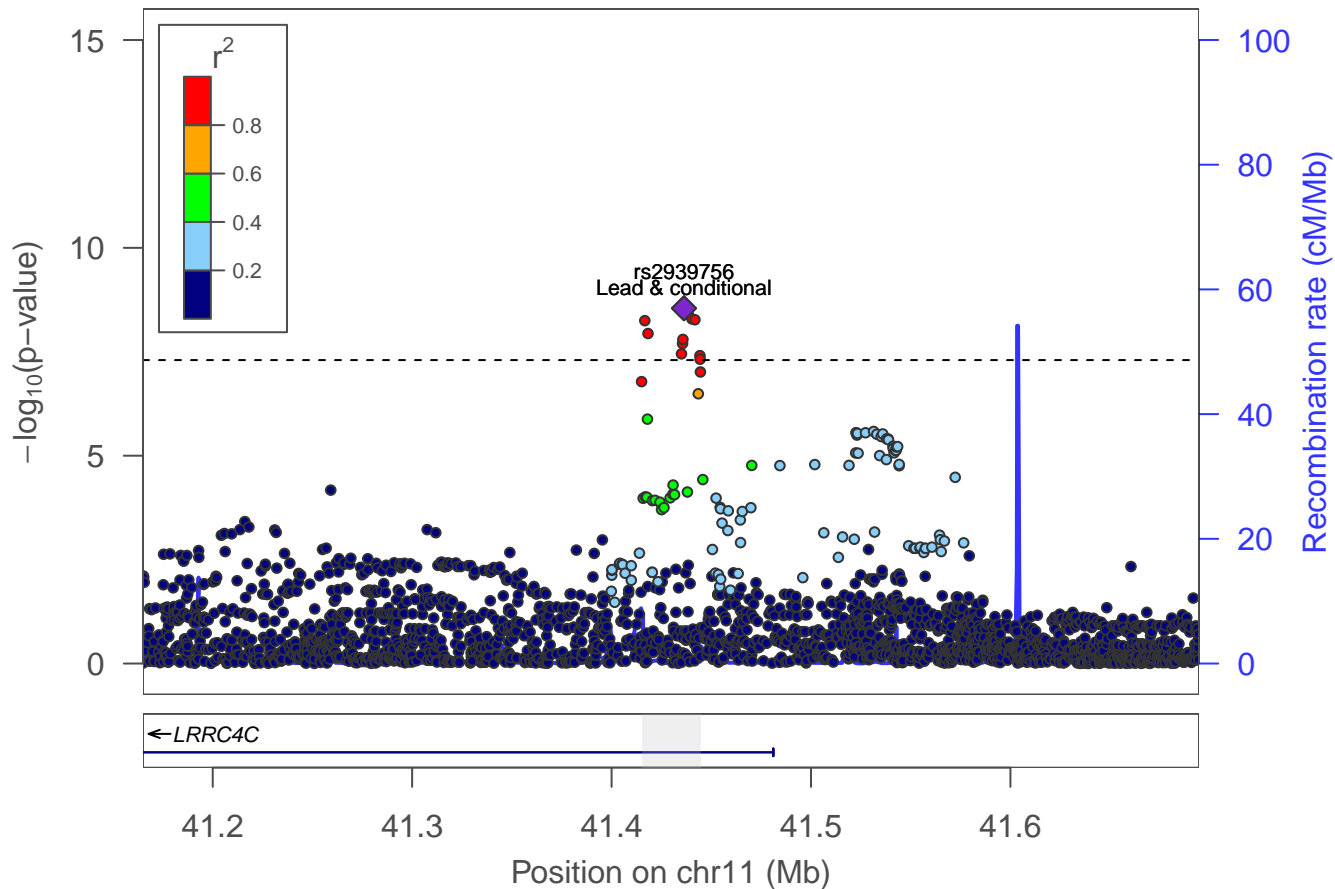
rs56133711 ▲
rs6265 ●



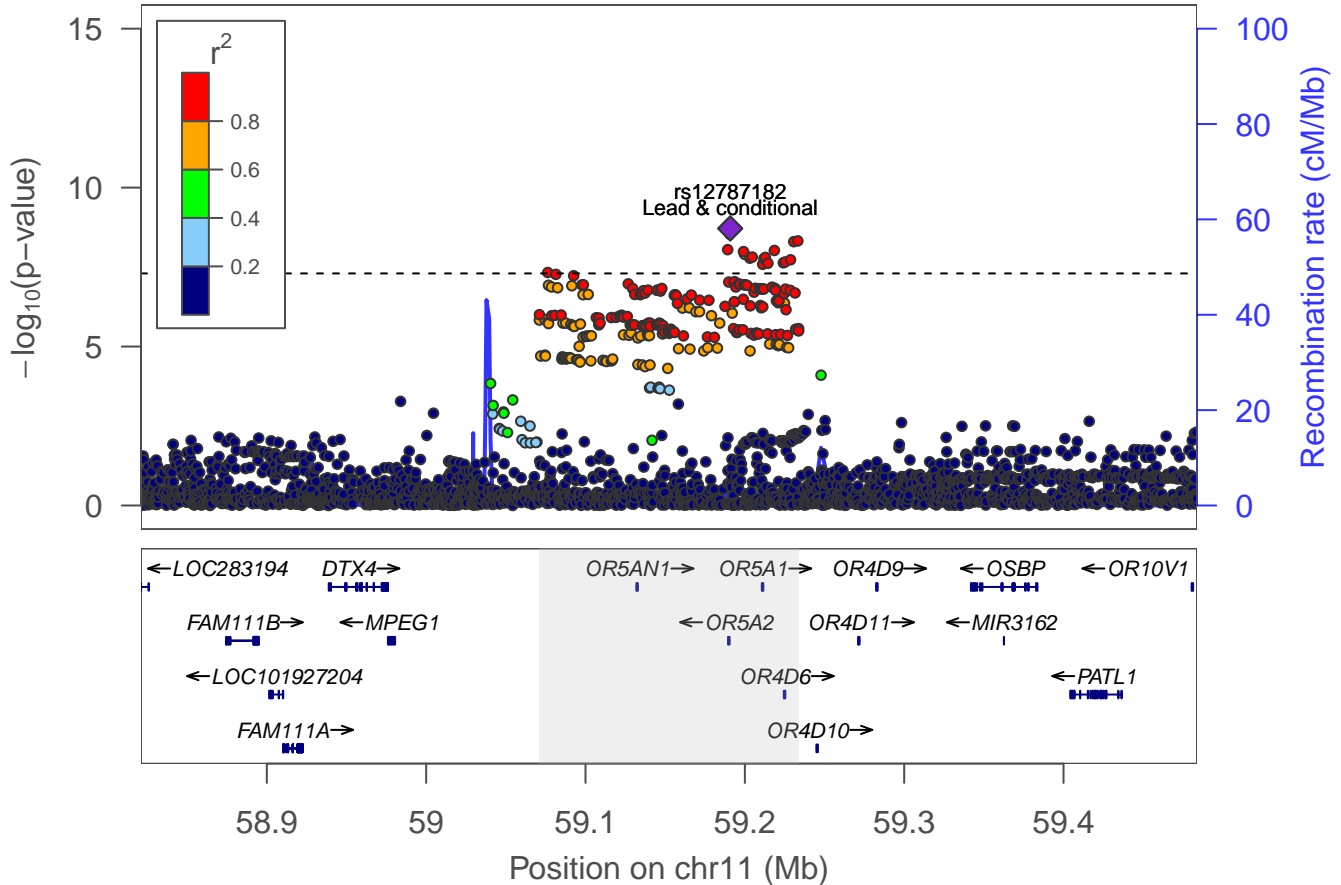
Ever smoker: locus 129 [chr 11:28.591–28.694Mb]



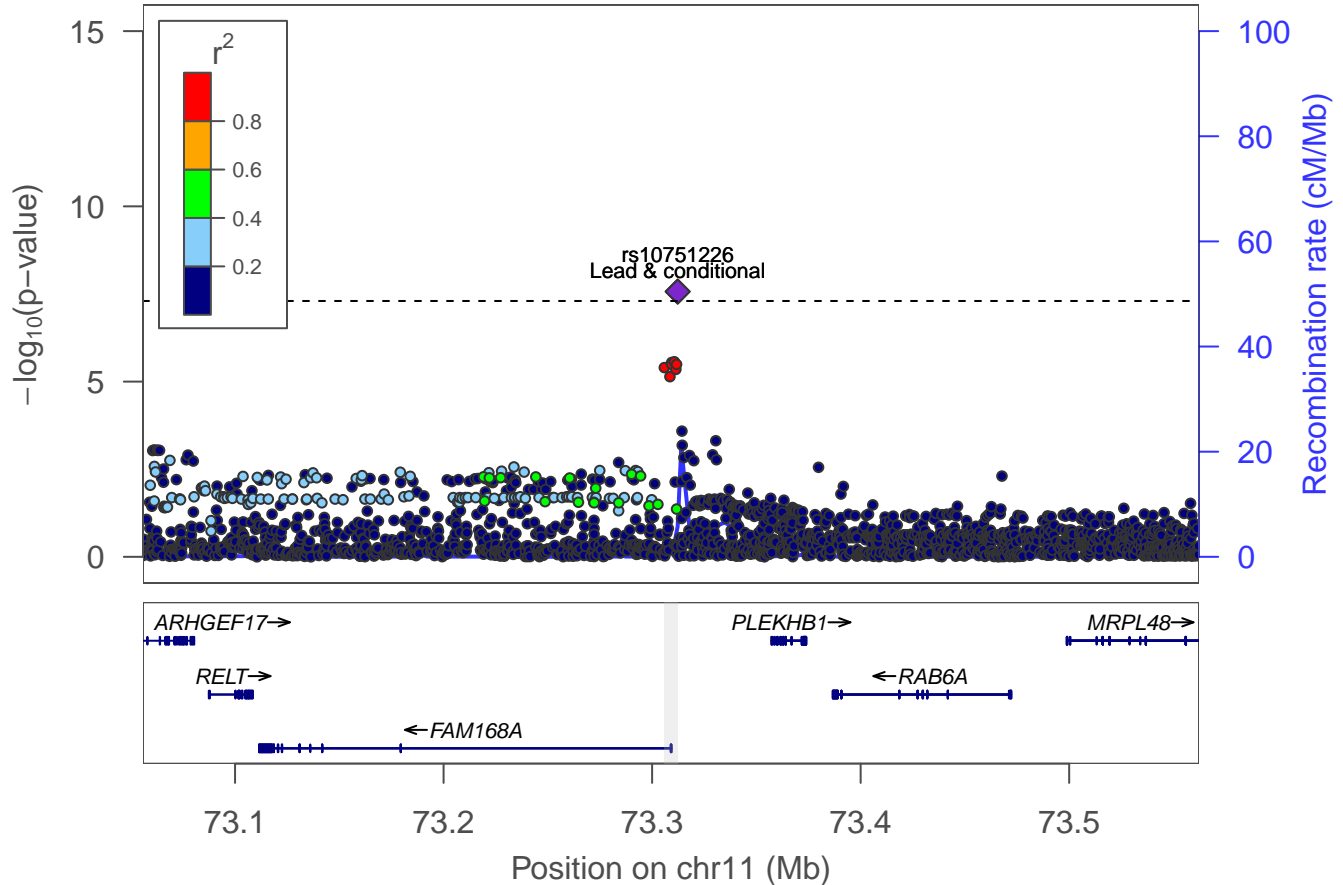
Ever smoker: locus 130 [chr 11:41.415–41.445Mb]



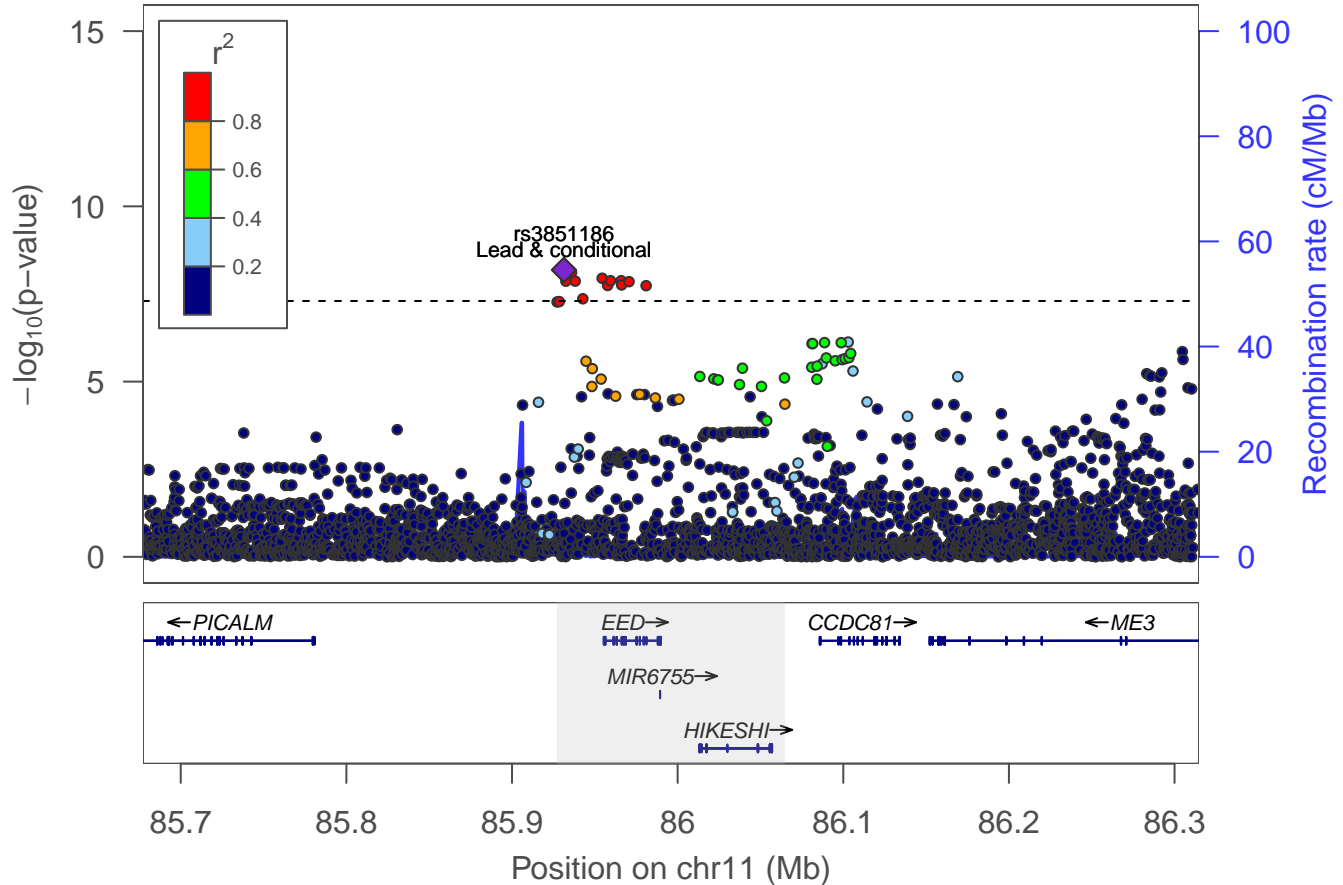
Ever smoker: locus 131 [chr 11:59.071–59.234Mb]



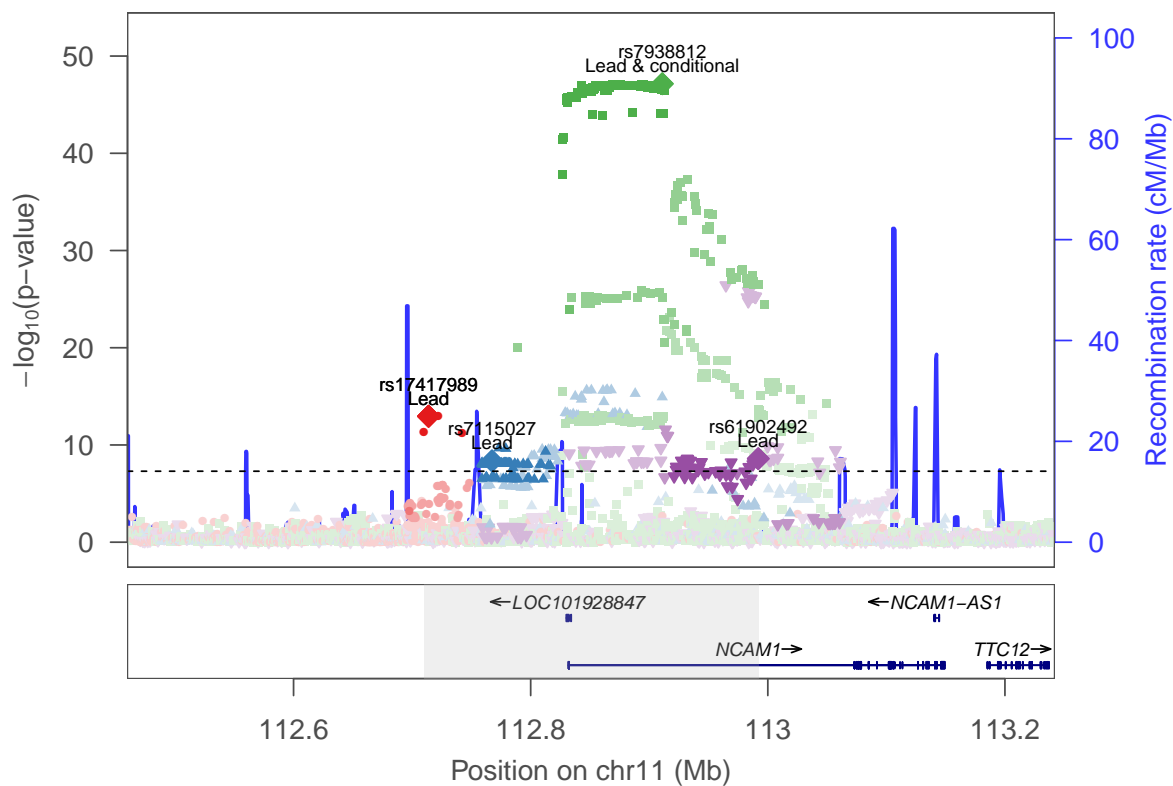
Ever smoker: locus 132 [chr 11:73.306–73.312Mb]



Ever smoker: locus 133 [chr 11:85.927–86.065Mb]



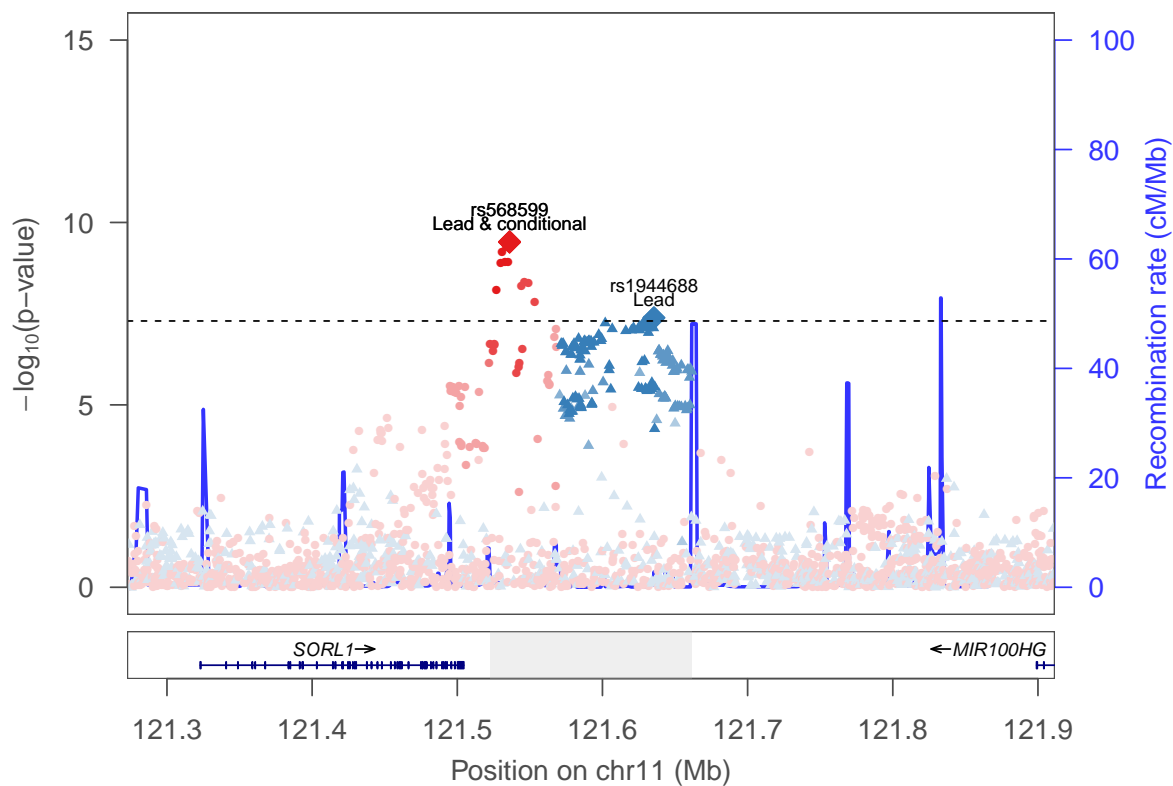
Ever smoker: Locus 134 [chr 11: 112.710–112.992Mb]



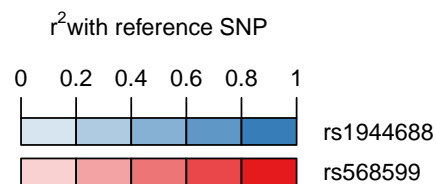
rs61902492 ▾
 rs7938812 ■
 rs7115027 ▲
 rs17417989 ●



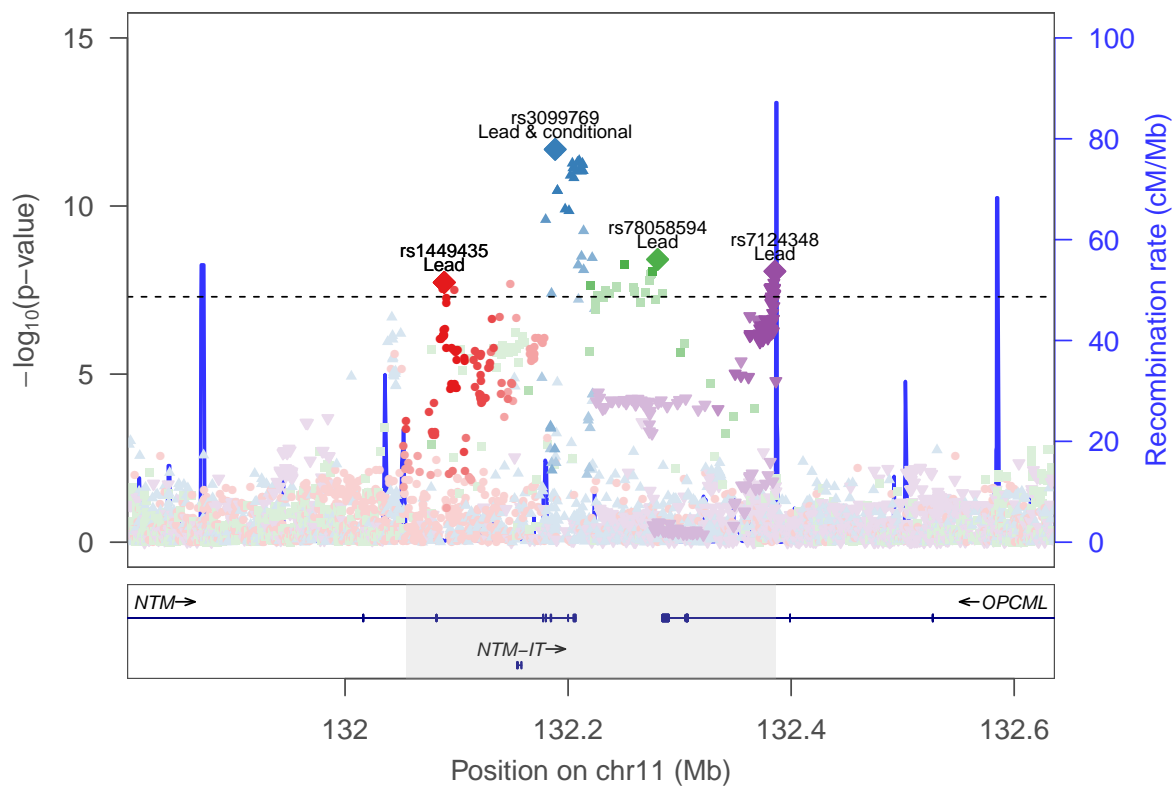
Ever smoker: Locus 135 [chr 11: 121.523–121.662Mb]



rs1944688 ▲
rs568599 ●



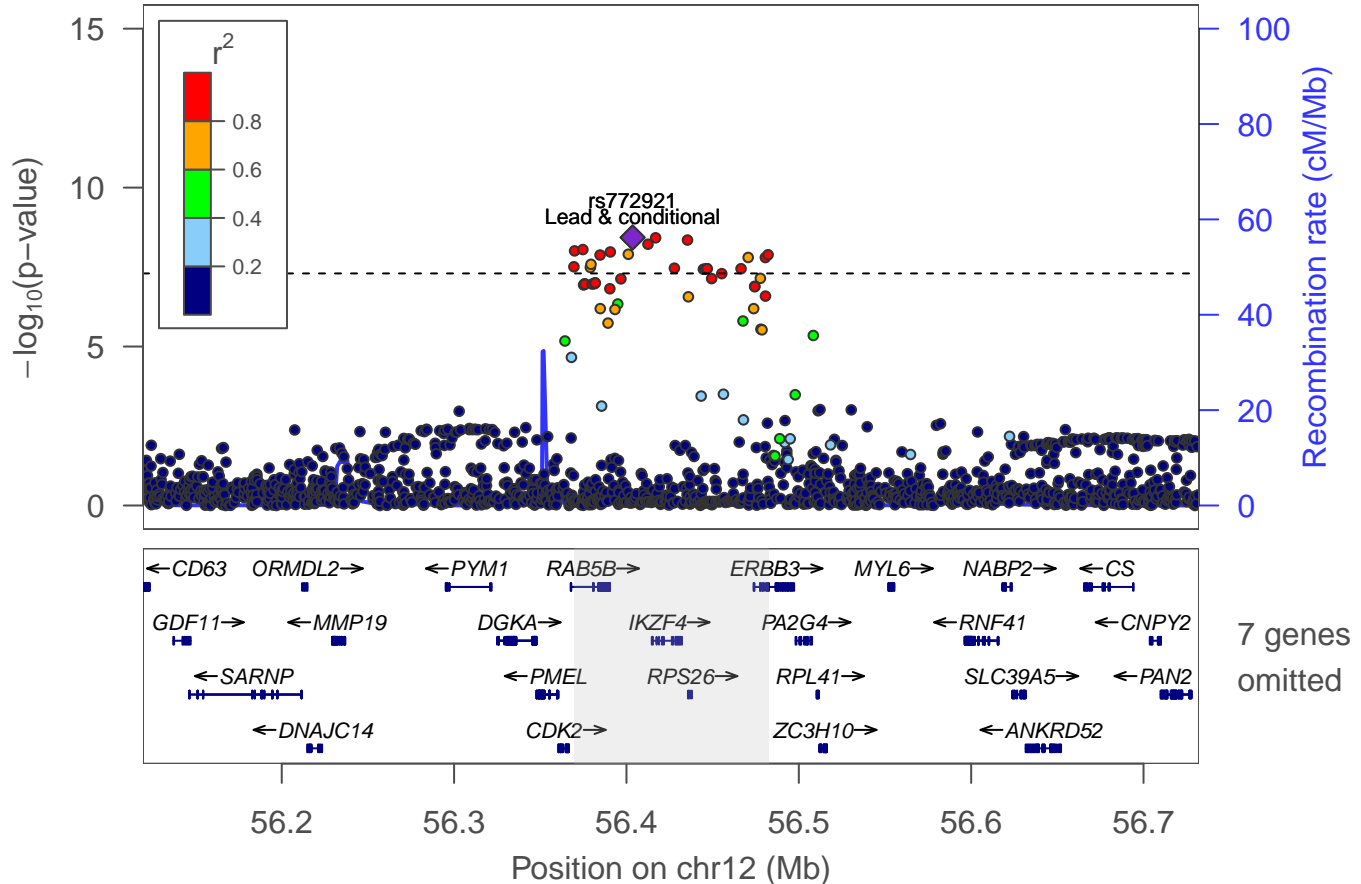
Ever smoker: Locus 136 [chr 11: 132.055–132.386Mb]



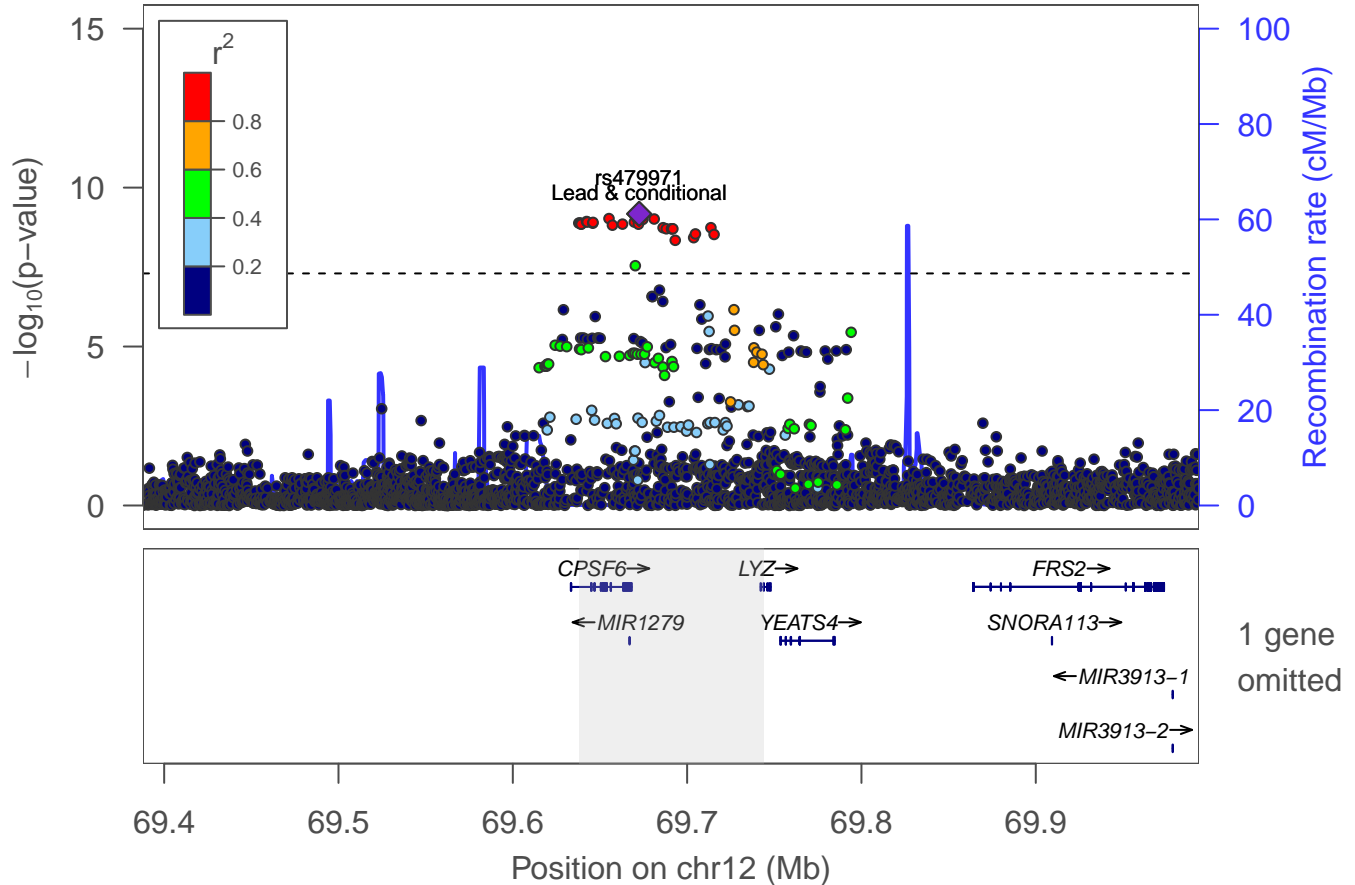
rs7124348 ▼
 rs78058594 ■
 rs3099769 ▲
 rs1449435 ●



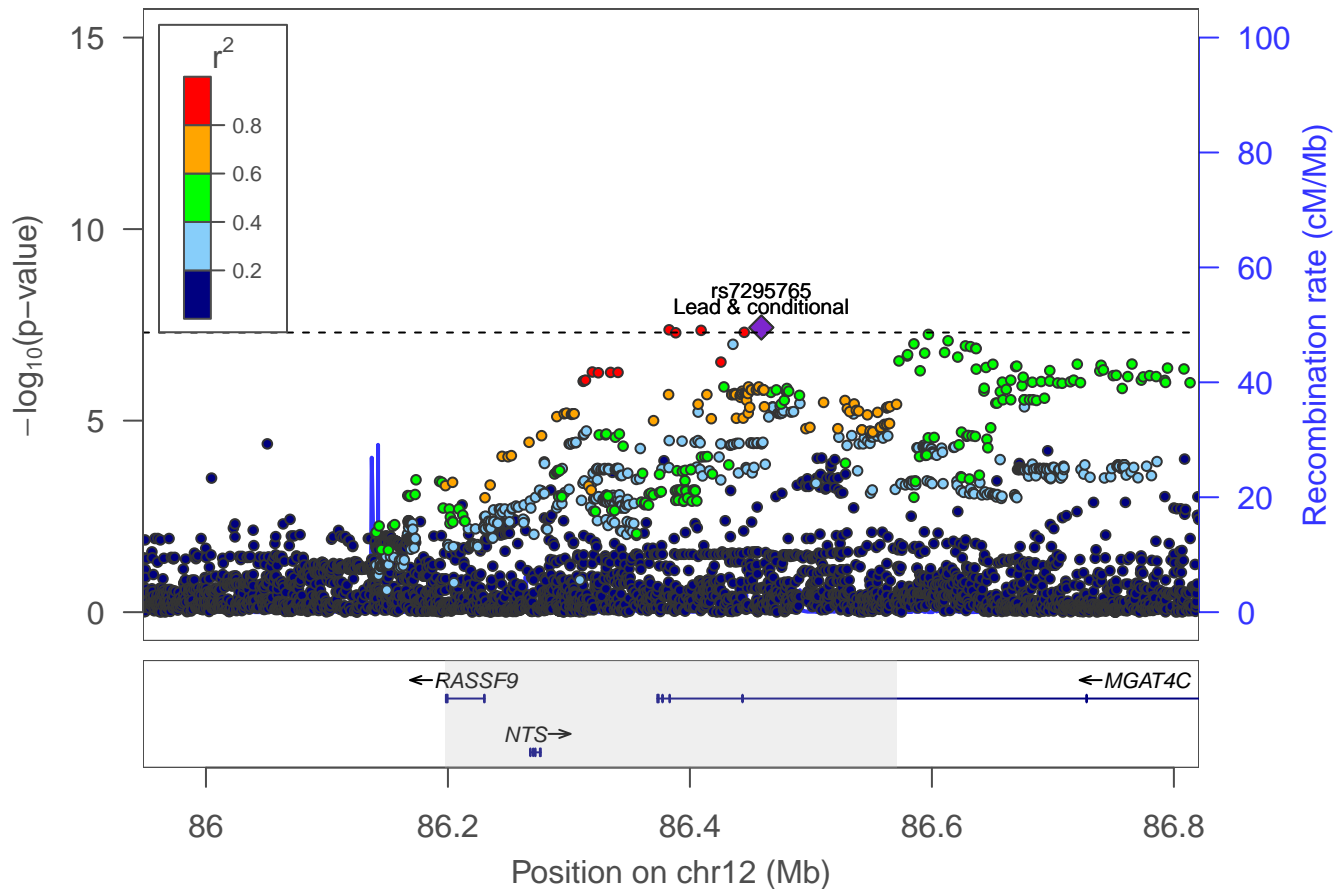
Ever smoker: locus 137 [chr 12:56.370–56.482Mb]



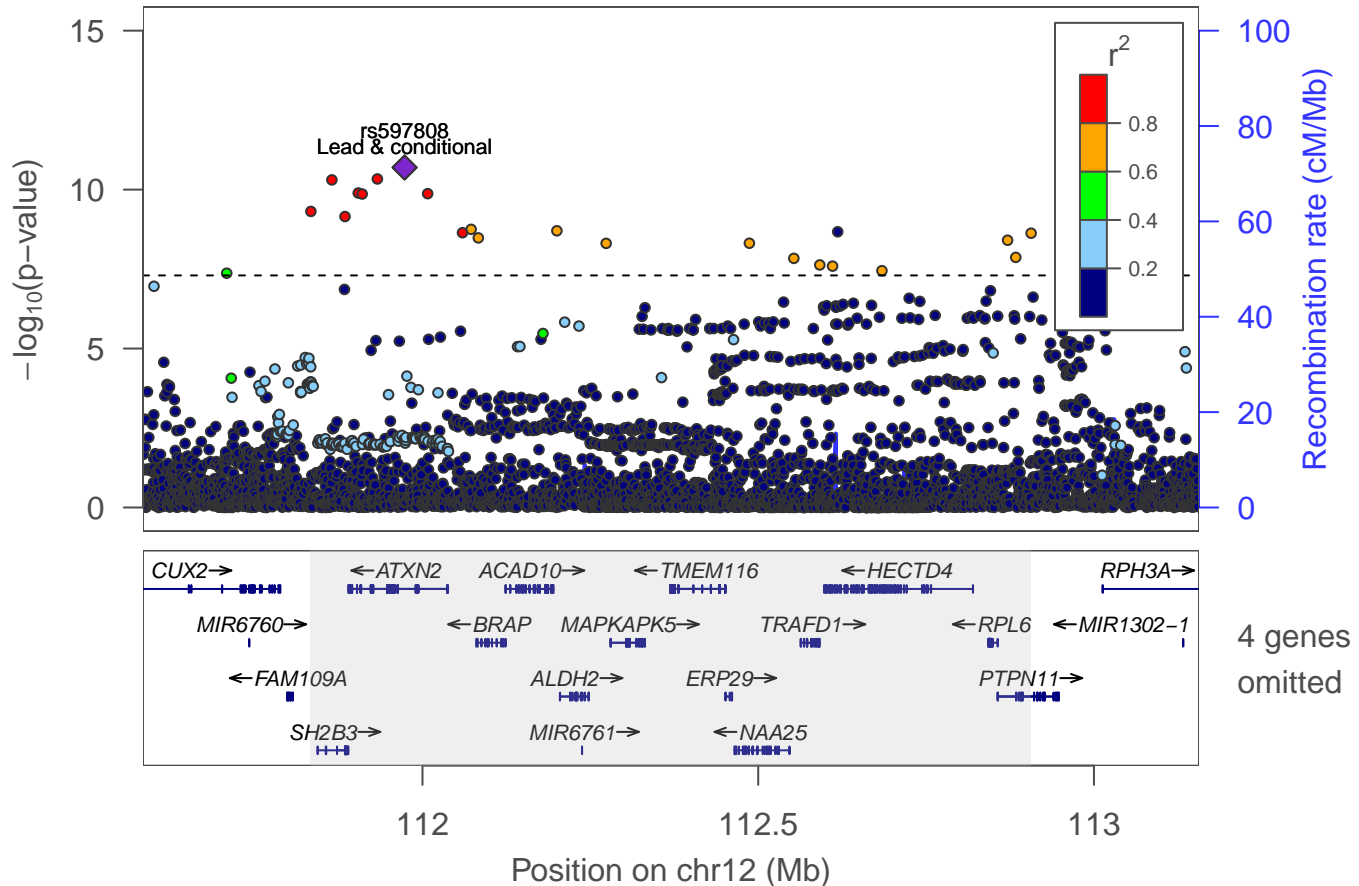
Ever smoker: locus 138 [chr 12:69.638–69.744Mb]



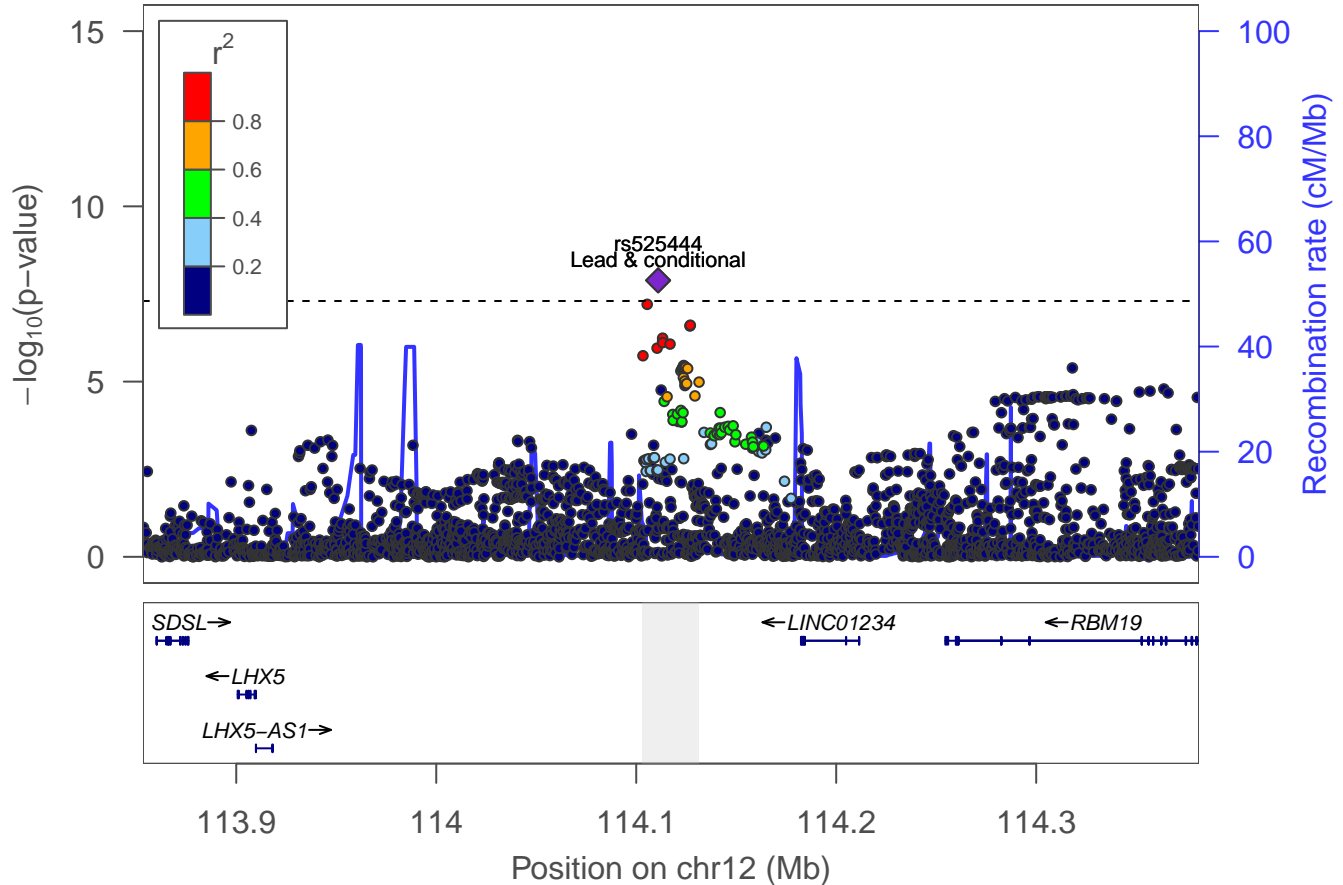
Ever smoker: locus 139 [chr 12:86.198–86.571Mb]



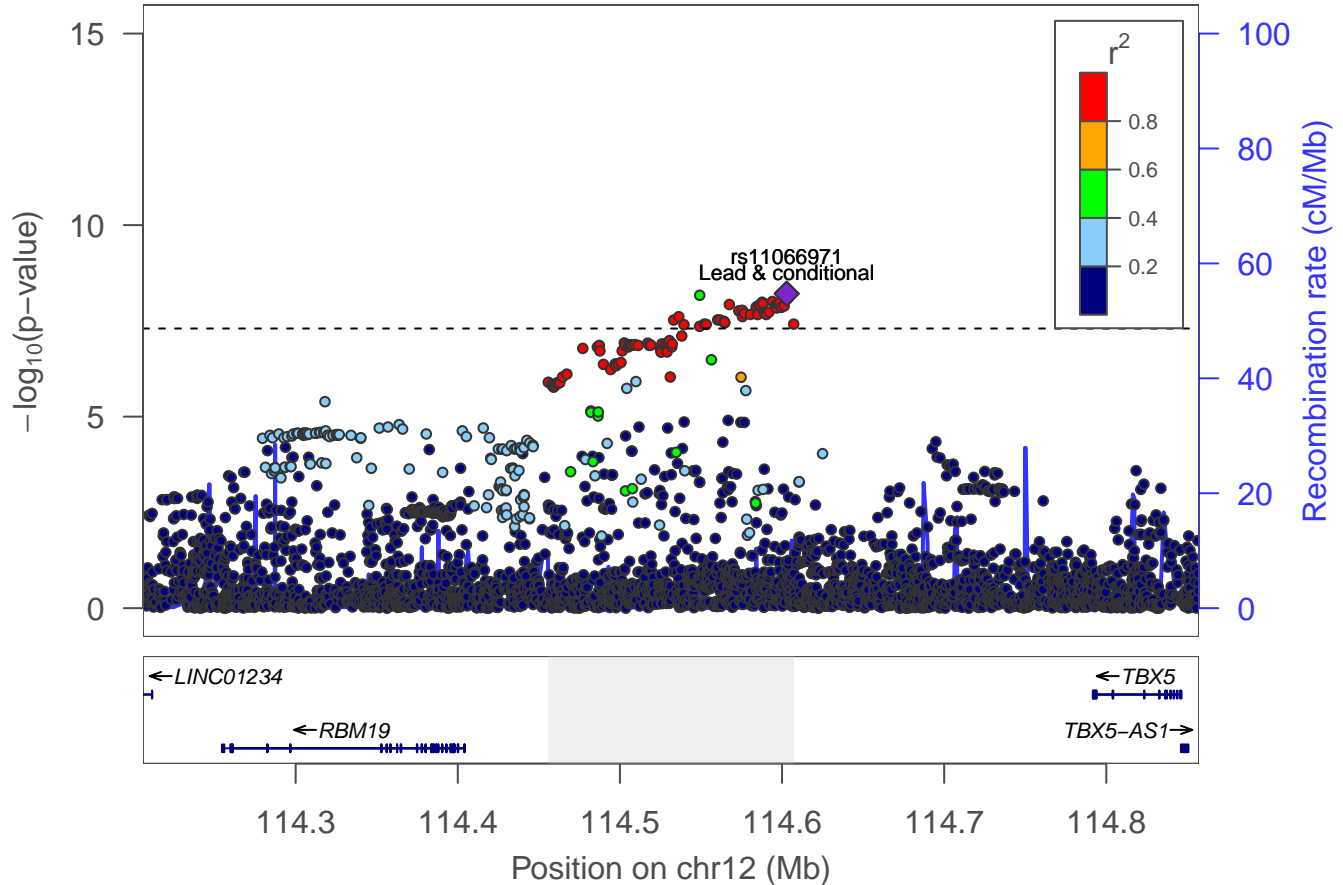
Ever smoker: locus 140 [chr 12:111.834–112.906Mb]



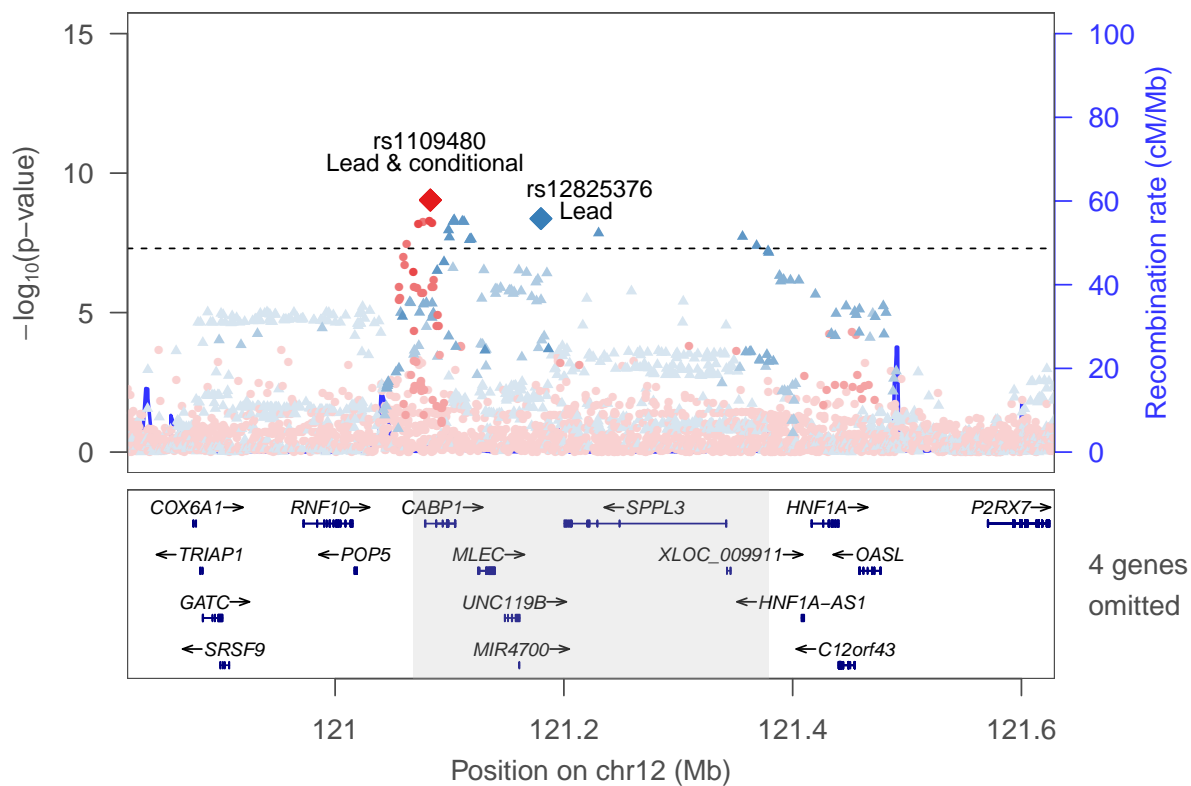
Ever smoker: locus 141 [chr 12:114.103–114.131Mb]



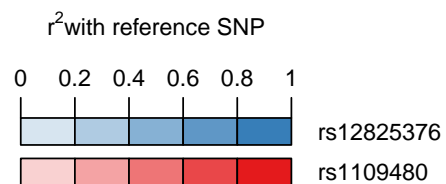
Ever smoker: locus 142 [chr 12:114.456–114.607Mb]



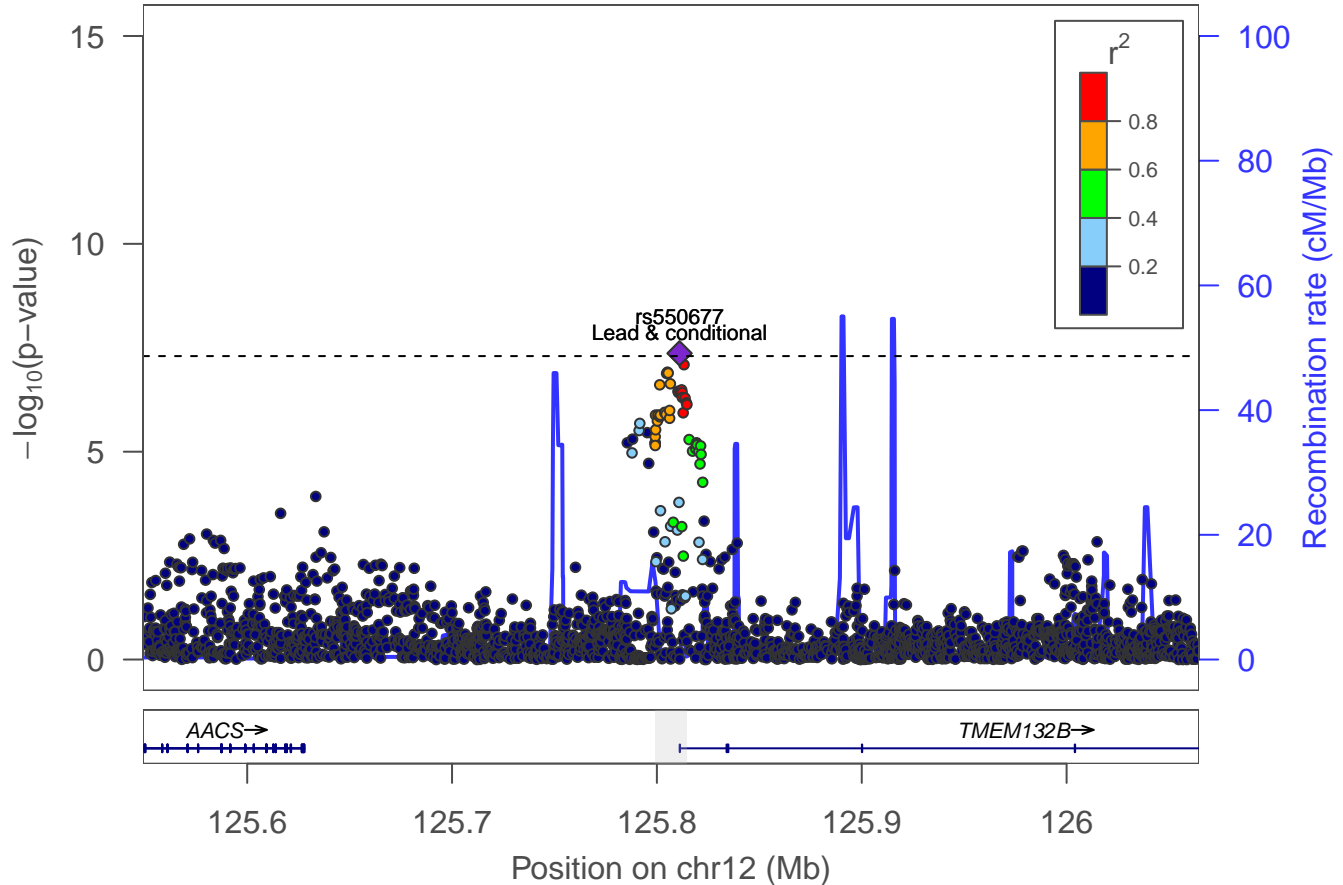
Ever smoker: Locus 143 [chr 12: 121.068–121.379Mb]



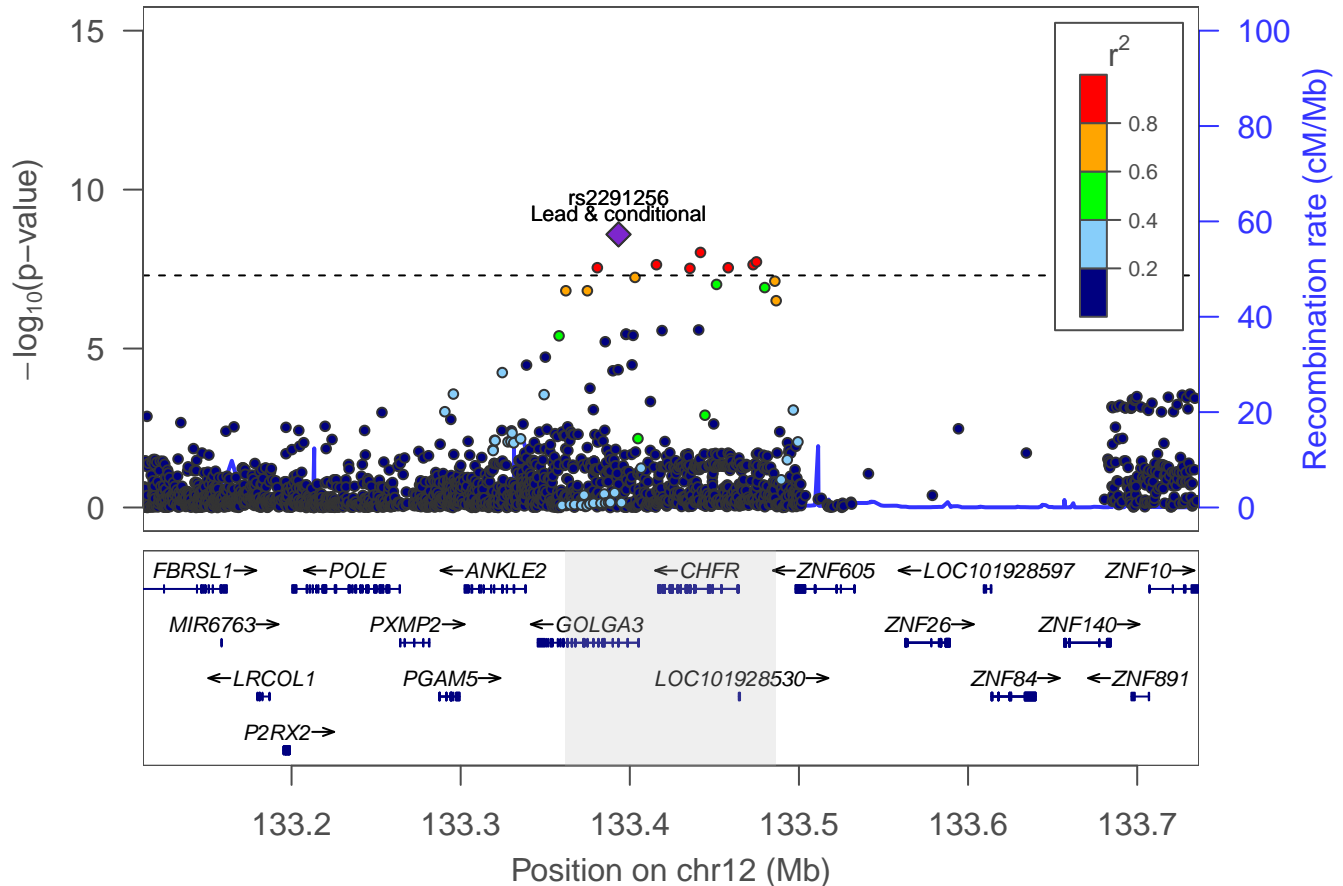
rs12825376 ▲
 rs1109480 ●



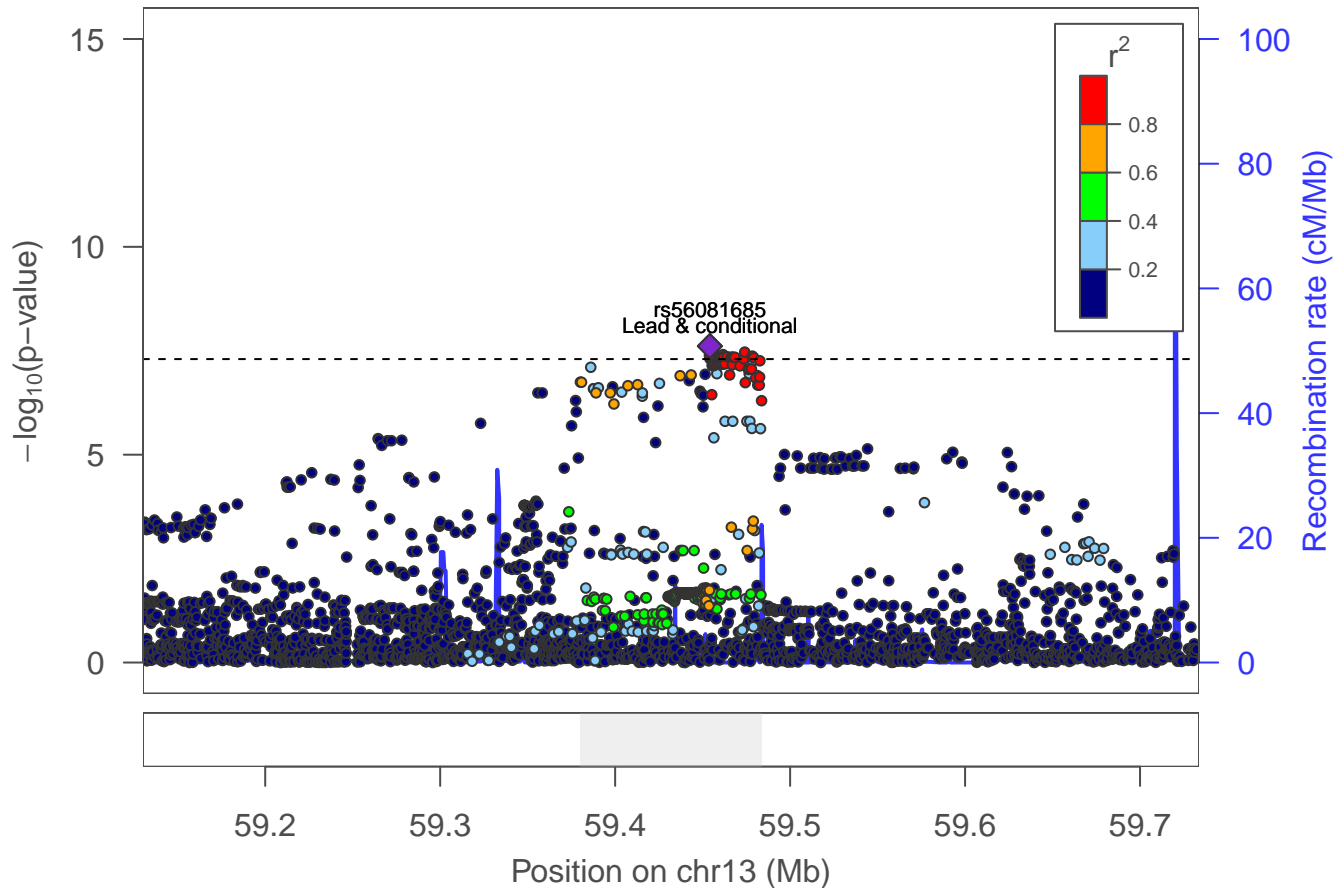
Ever smoker: locus 144 [chr 12:125.799–125.815Mb]



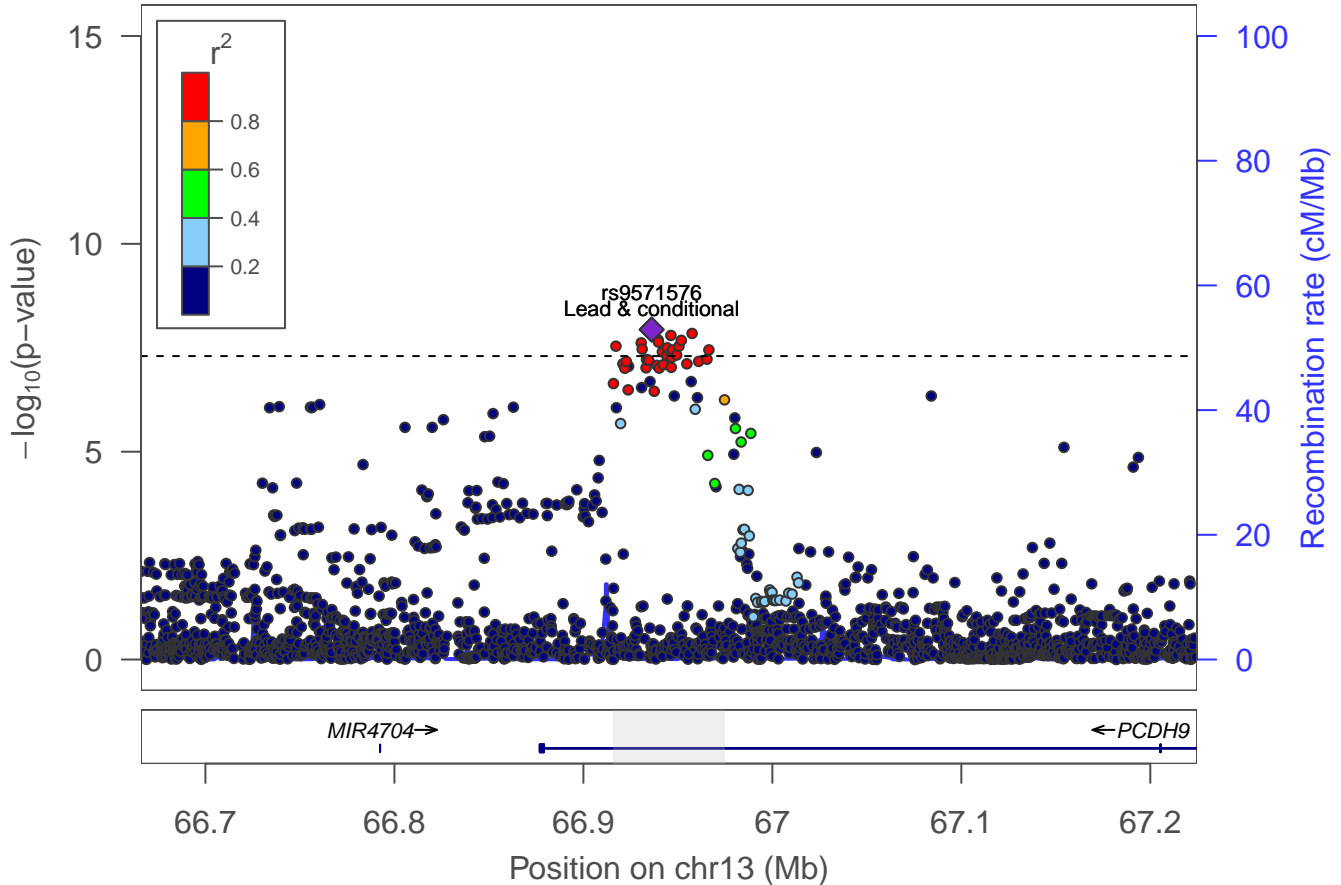
Ever smoker: locus 145 [chr 12:133.362–133.487Mb]



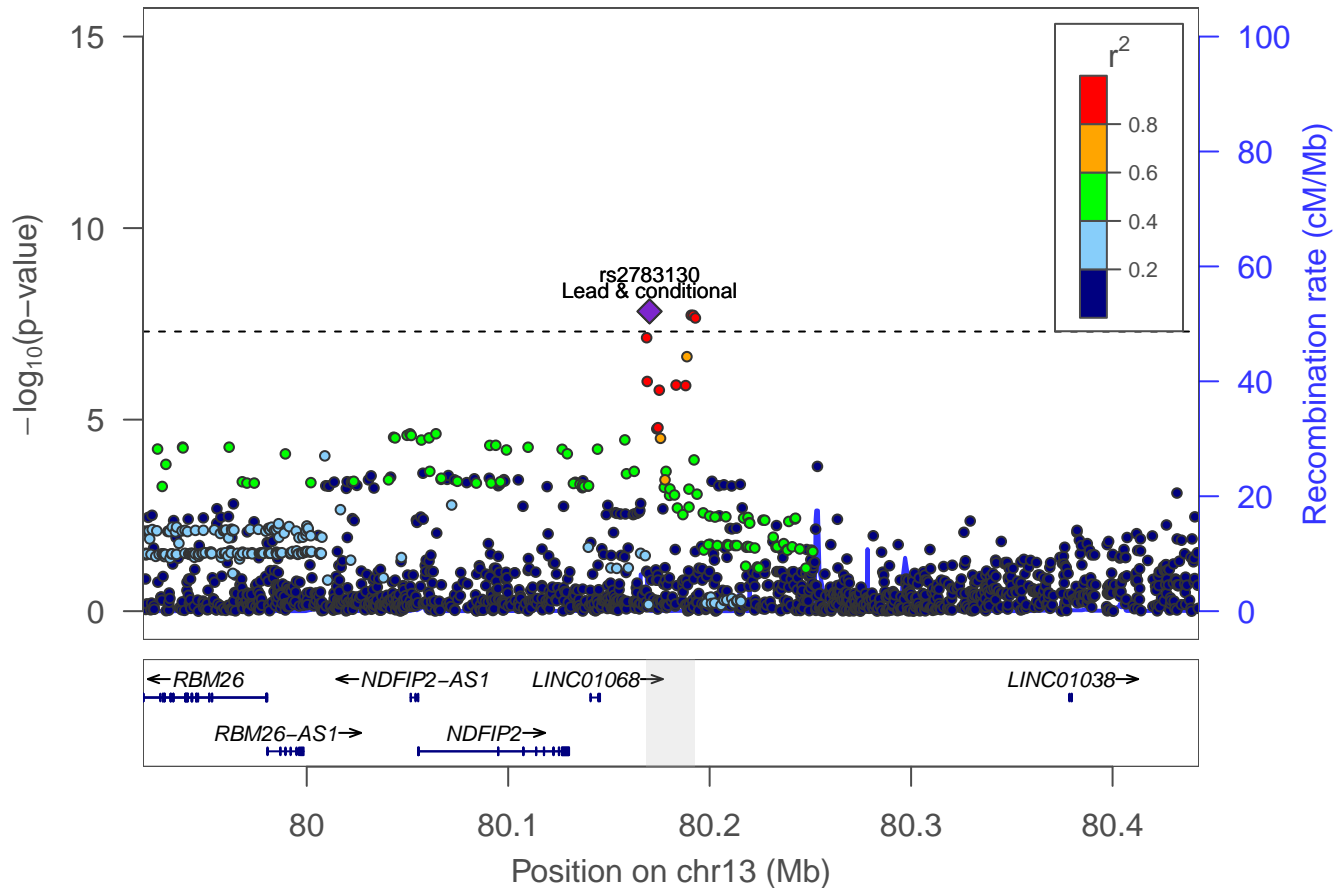
Ever smoker: locus 146 [chr 13:59.380–59.484Mb]



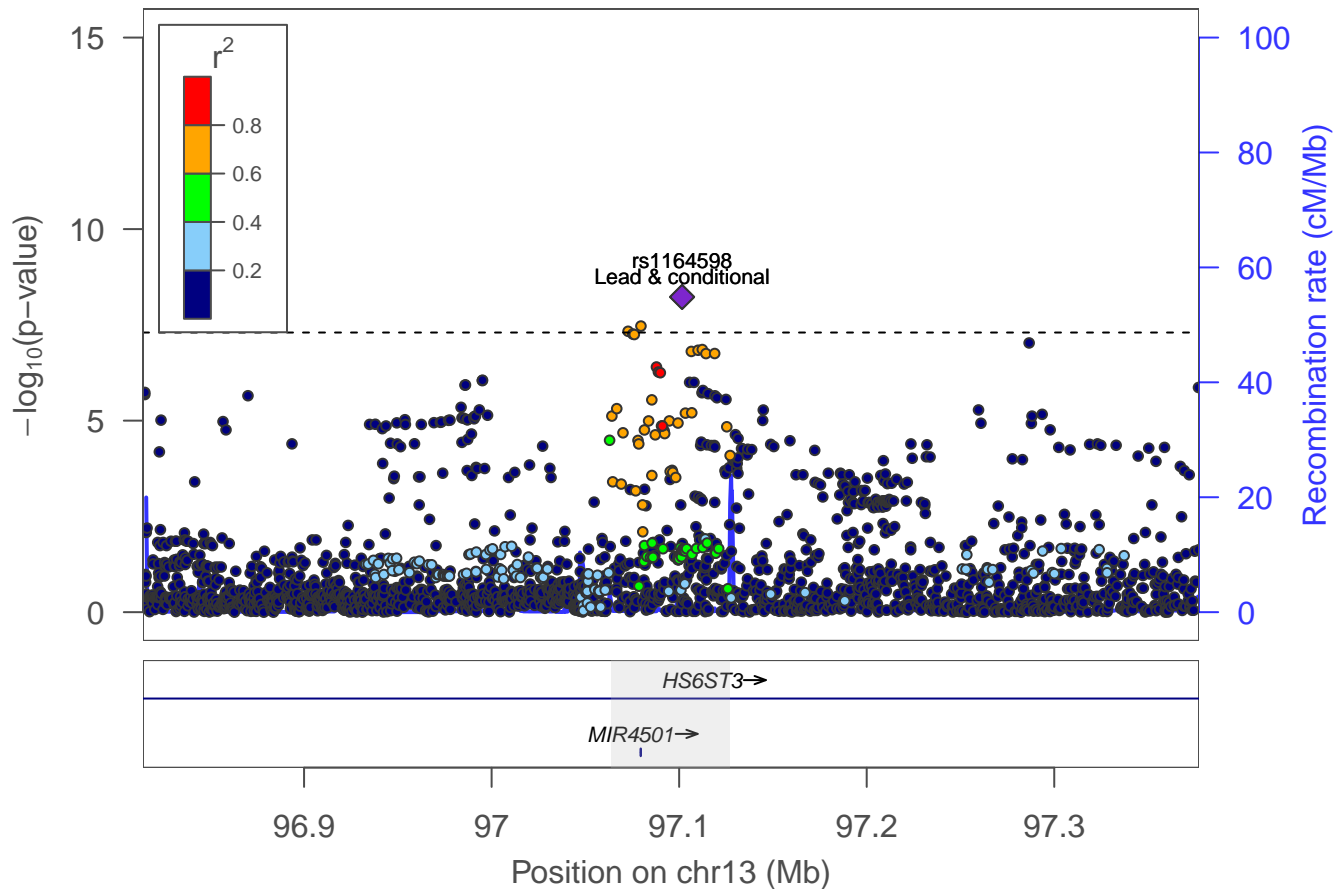
Ever smoker: locus 147 [chr 13:66.916–66.975Mb]



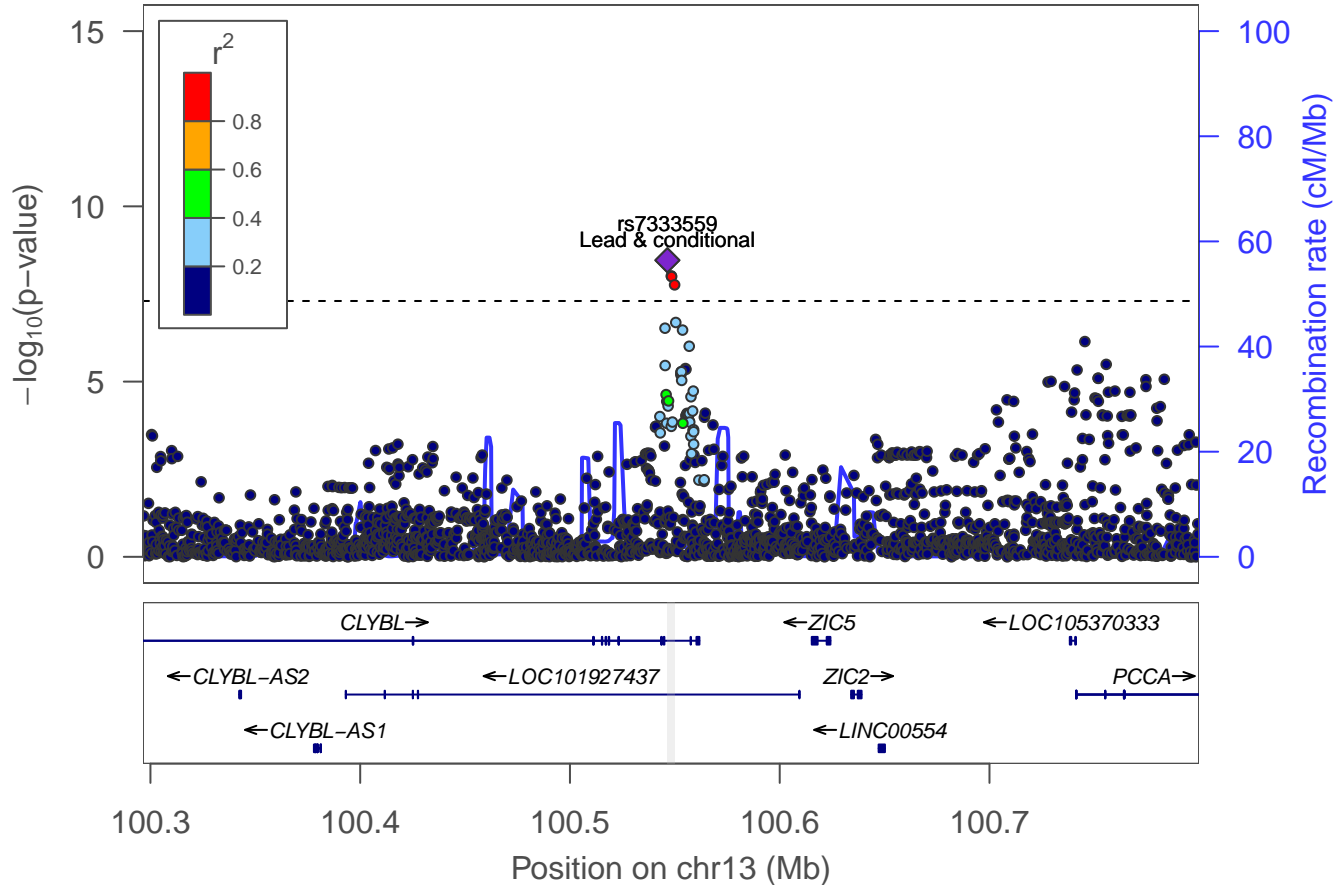
Ever smoker: locus 148 [chr 13:80.169–80.193Mb]



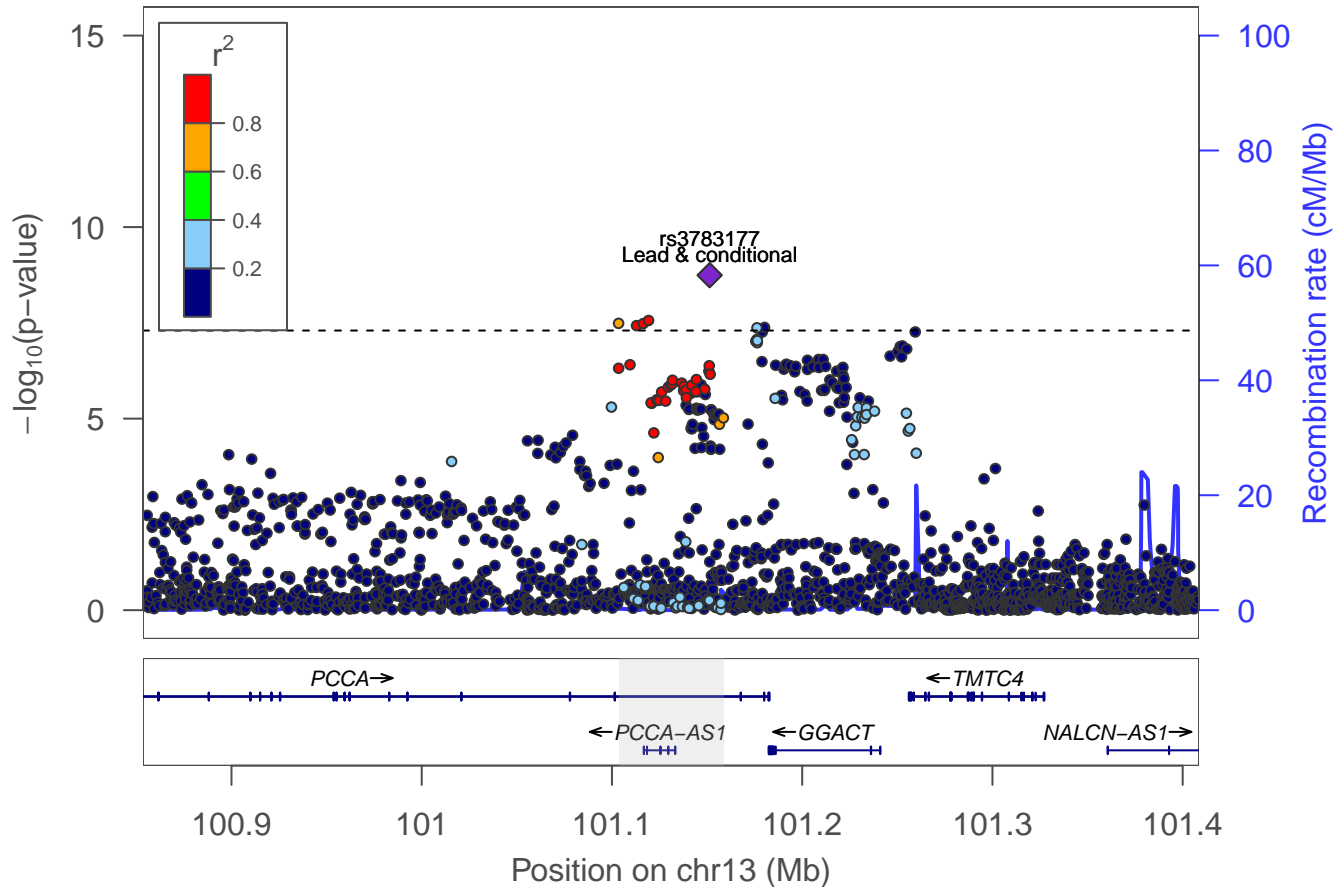
Ever smoker: locus 149 [chr 13:97.064–97.127Mb]



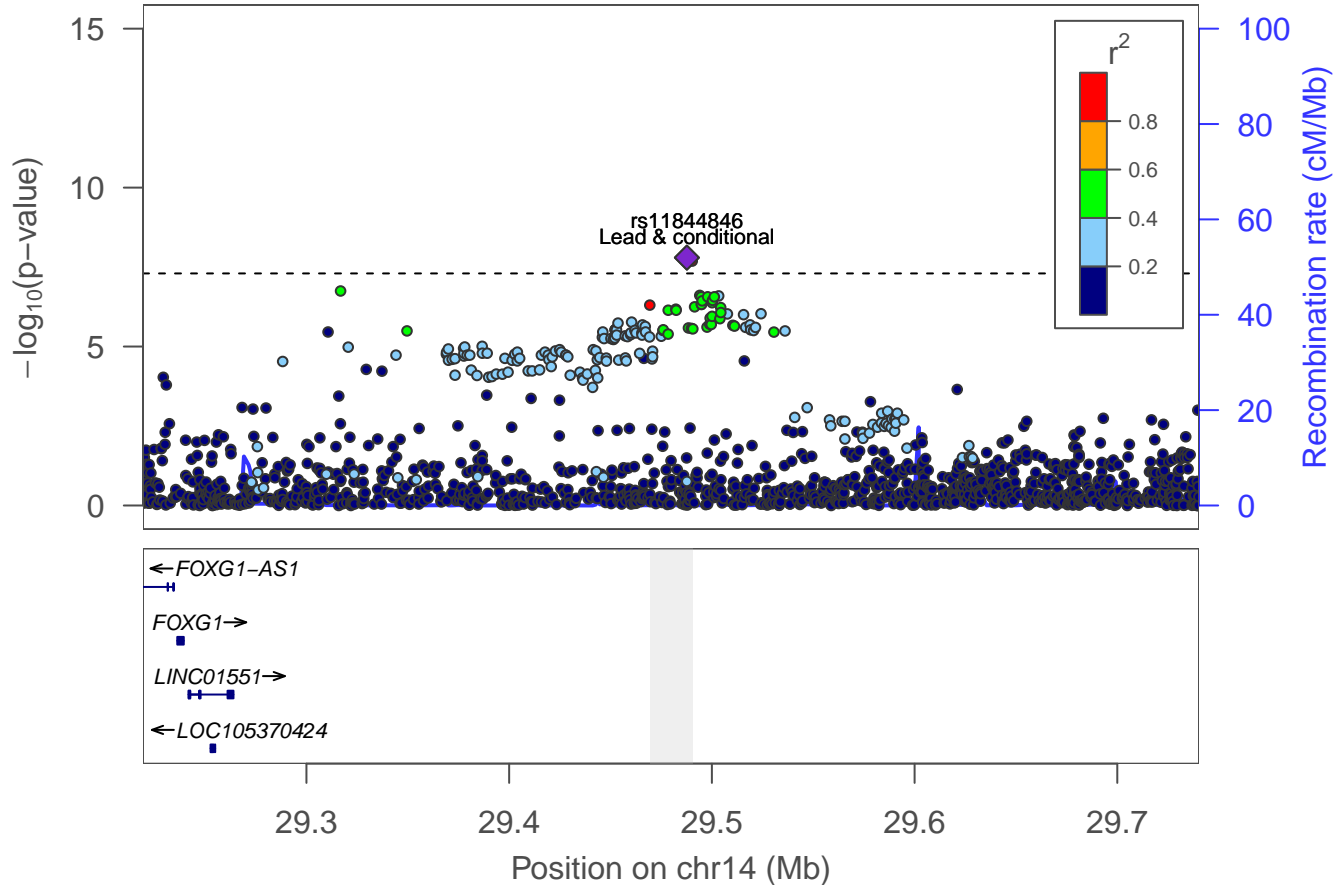
Ever smoker: locus 150 [chr 13:100.546–100.550Mb]



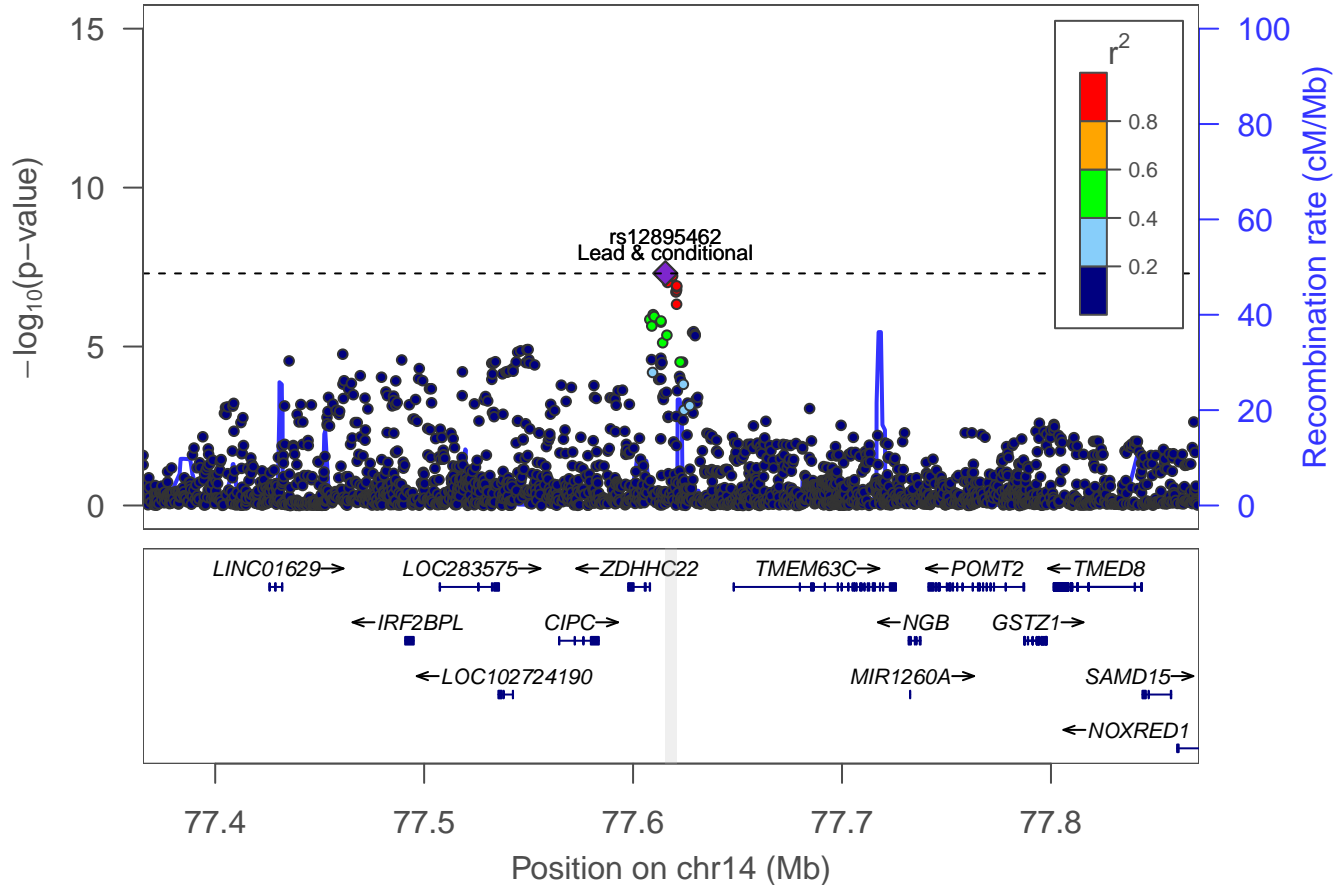
Ever smoker: locus 151 [chr 13:101.103–101.159Mb]



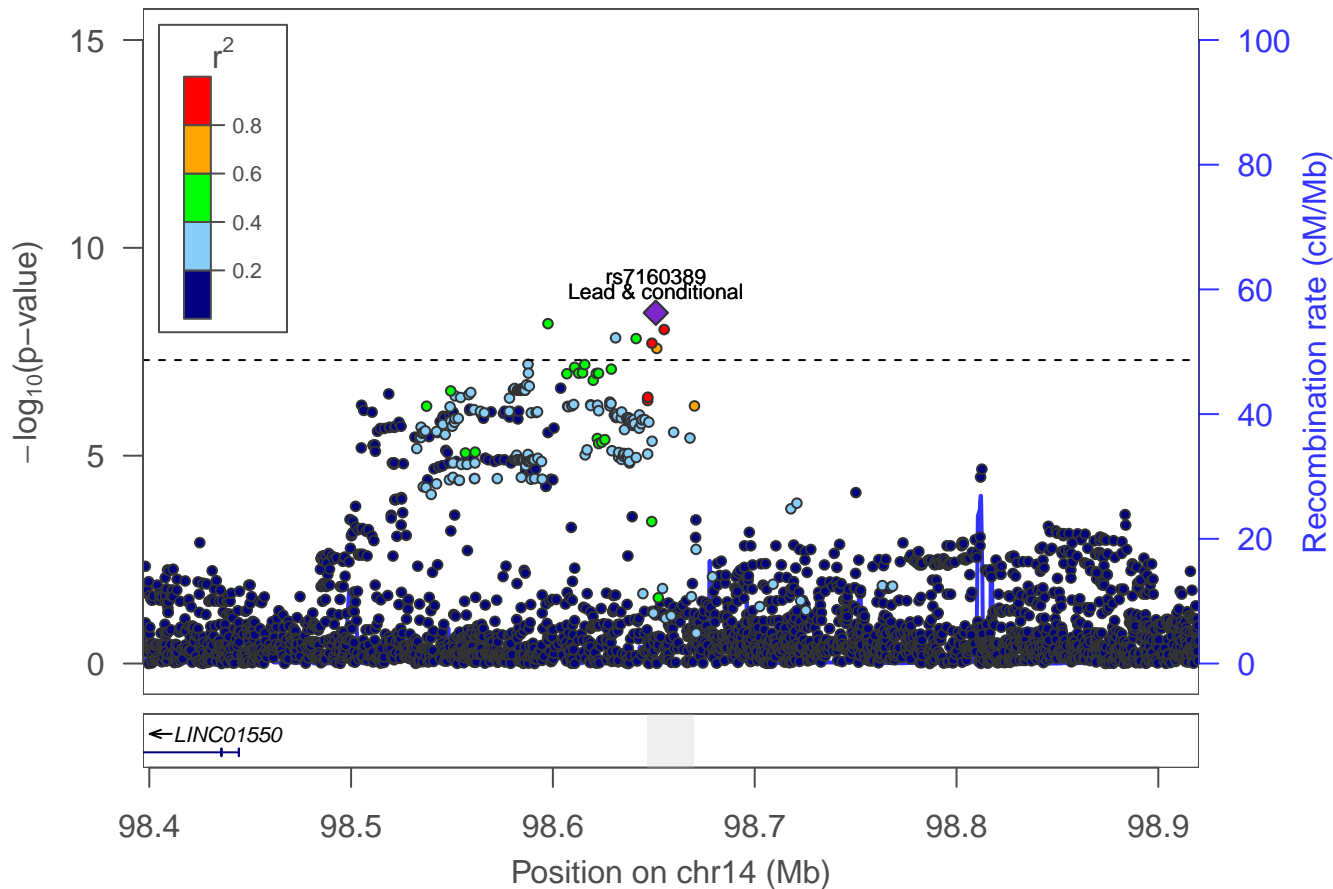
Ever smoker: locus 152 [chr 14:29.469–29.490Mb]



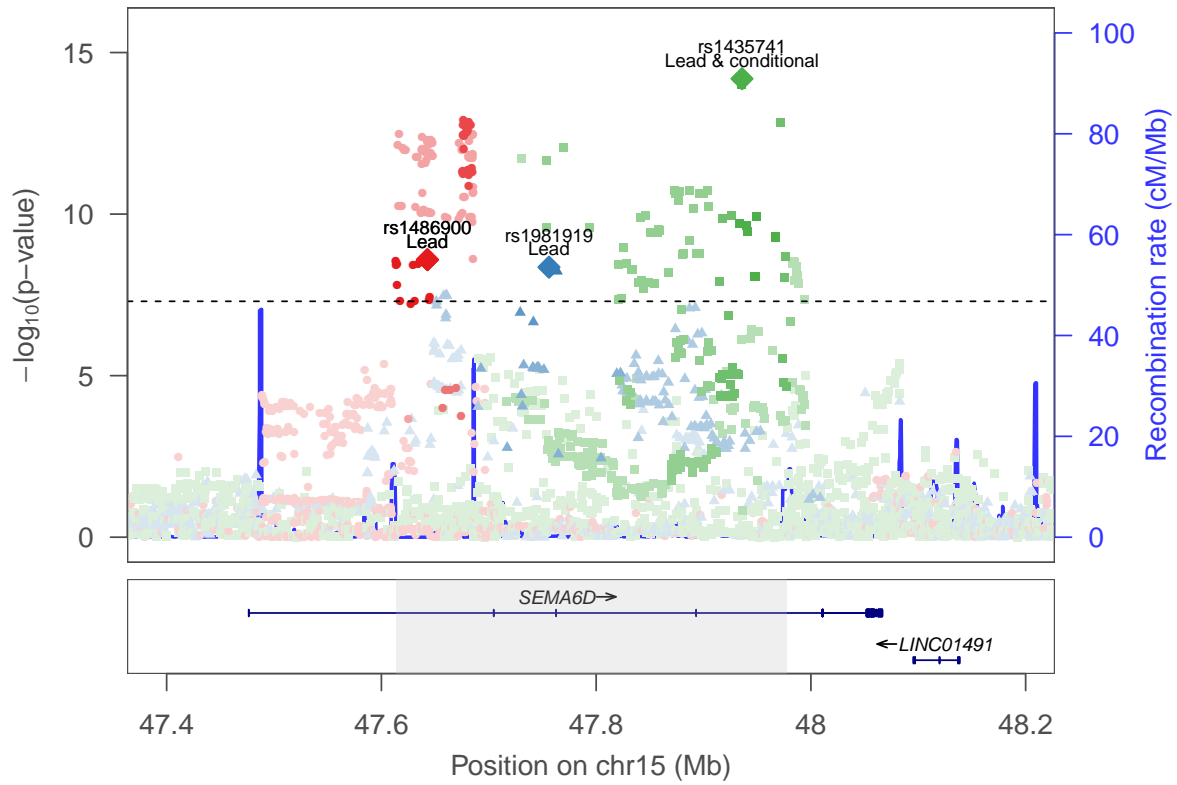
Ever smoker: locus 153 [chr 14:77.615–77.621Mb]



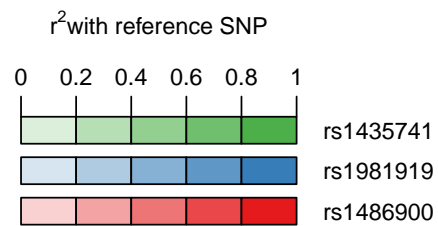
Ever smoker: locus 154 [chr 14:98.647–98.670Mb]



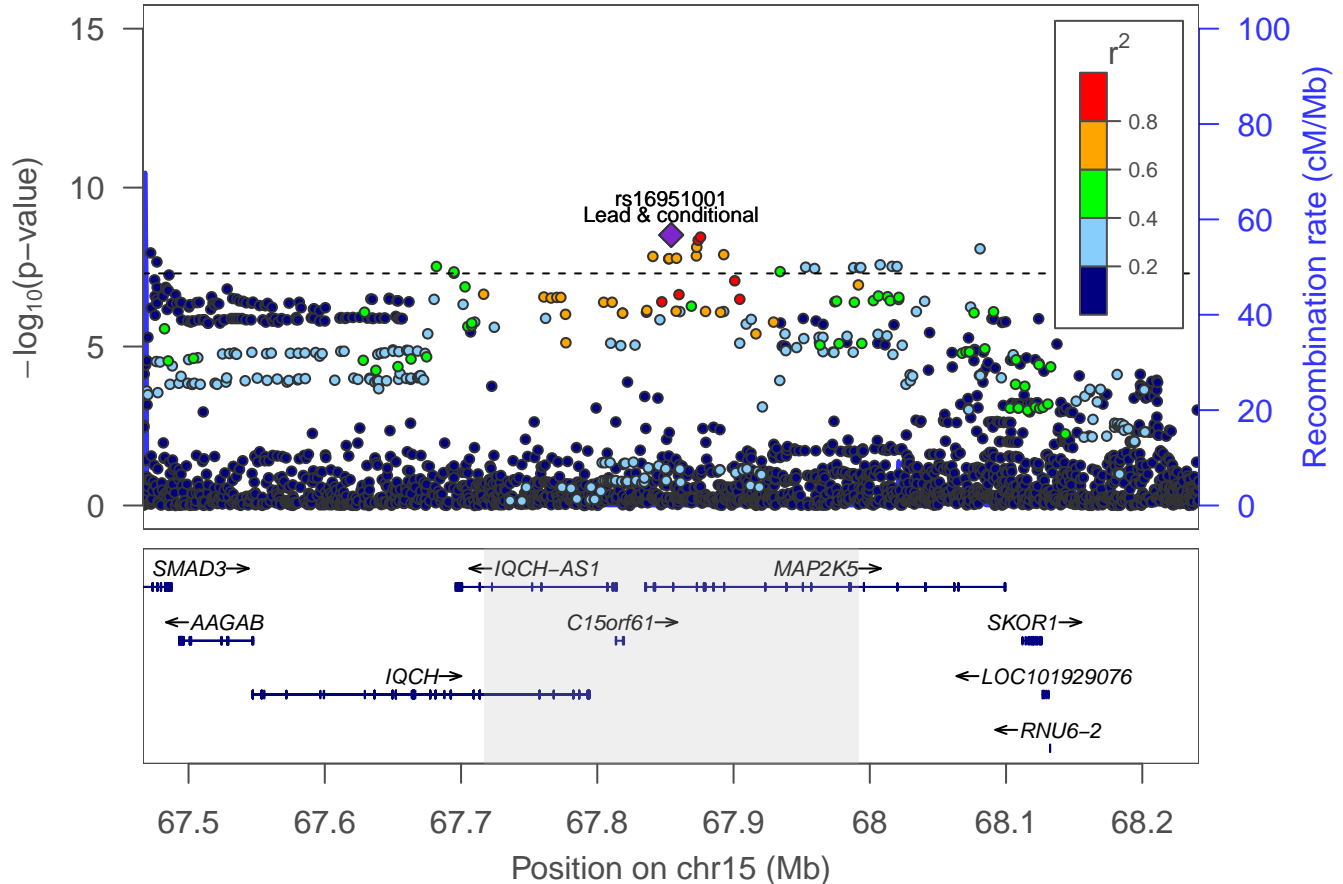
Ever smoker: Locus 155 [chr 15: 47.613–47.977Mb]



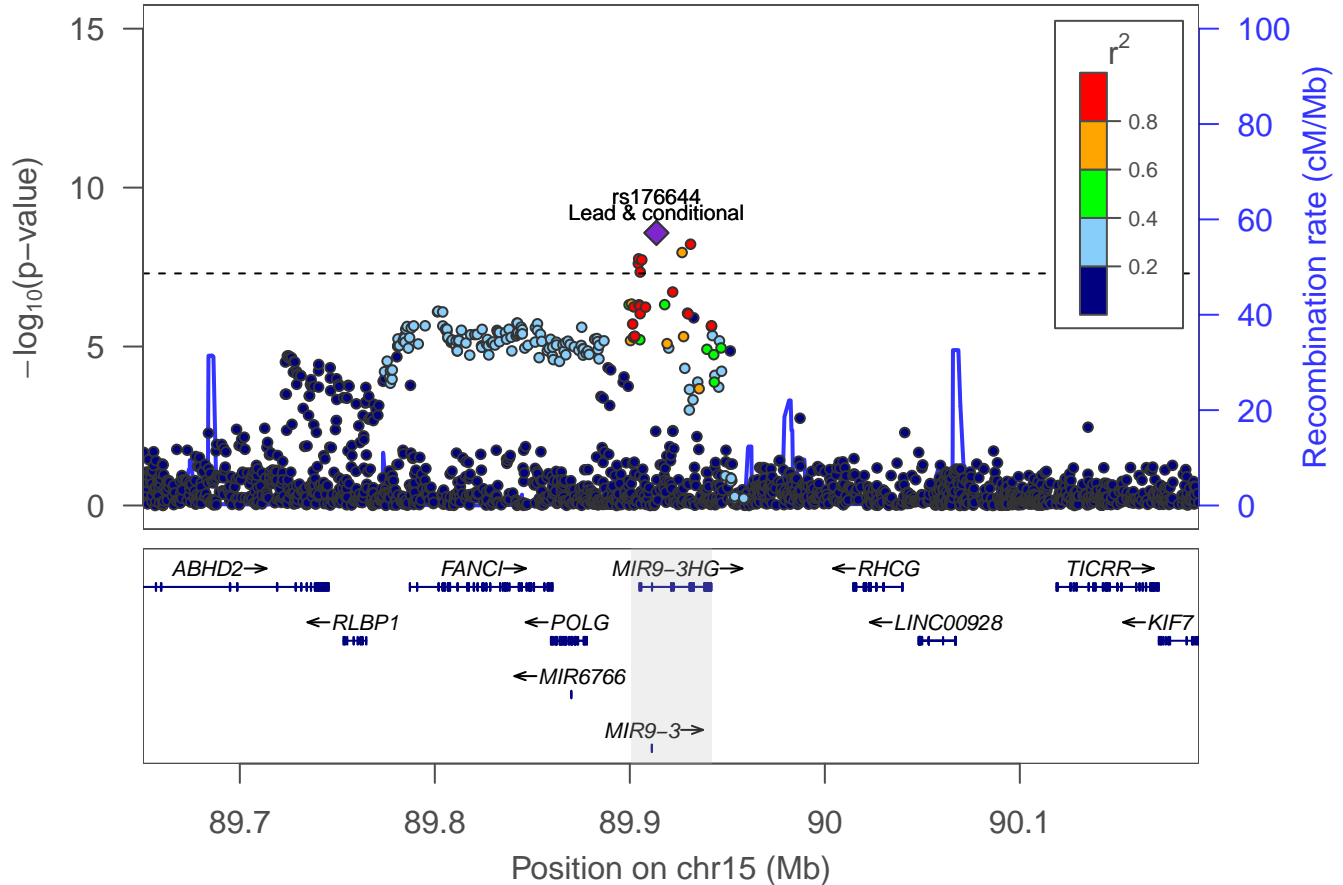
rs1435741 ■
rs1981919 ▲
rs1486900 ●



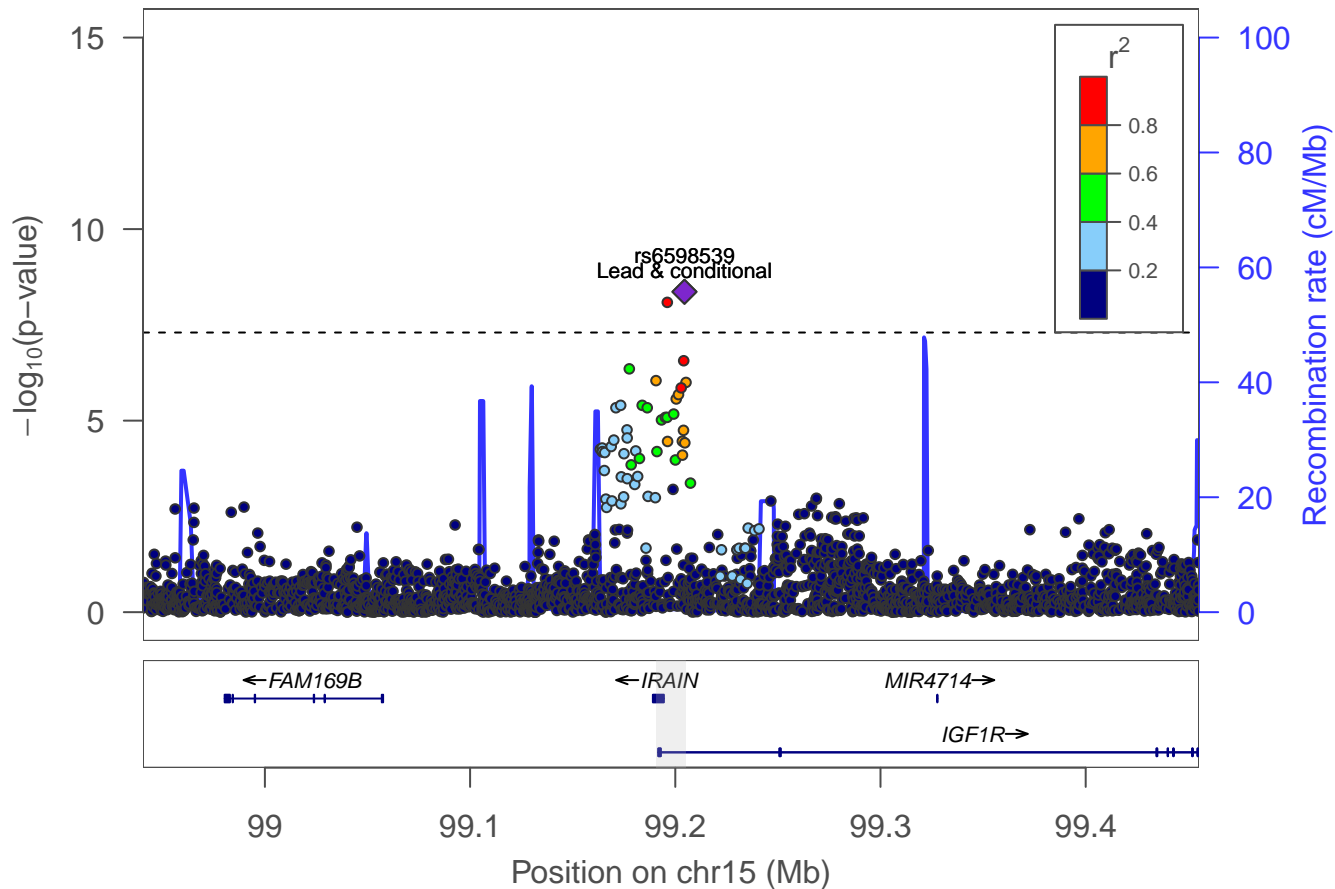
Ever smoker: locus 156 [chr 15:67.717–67.992Mb]



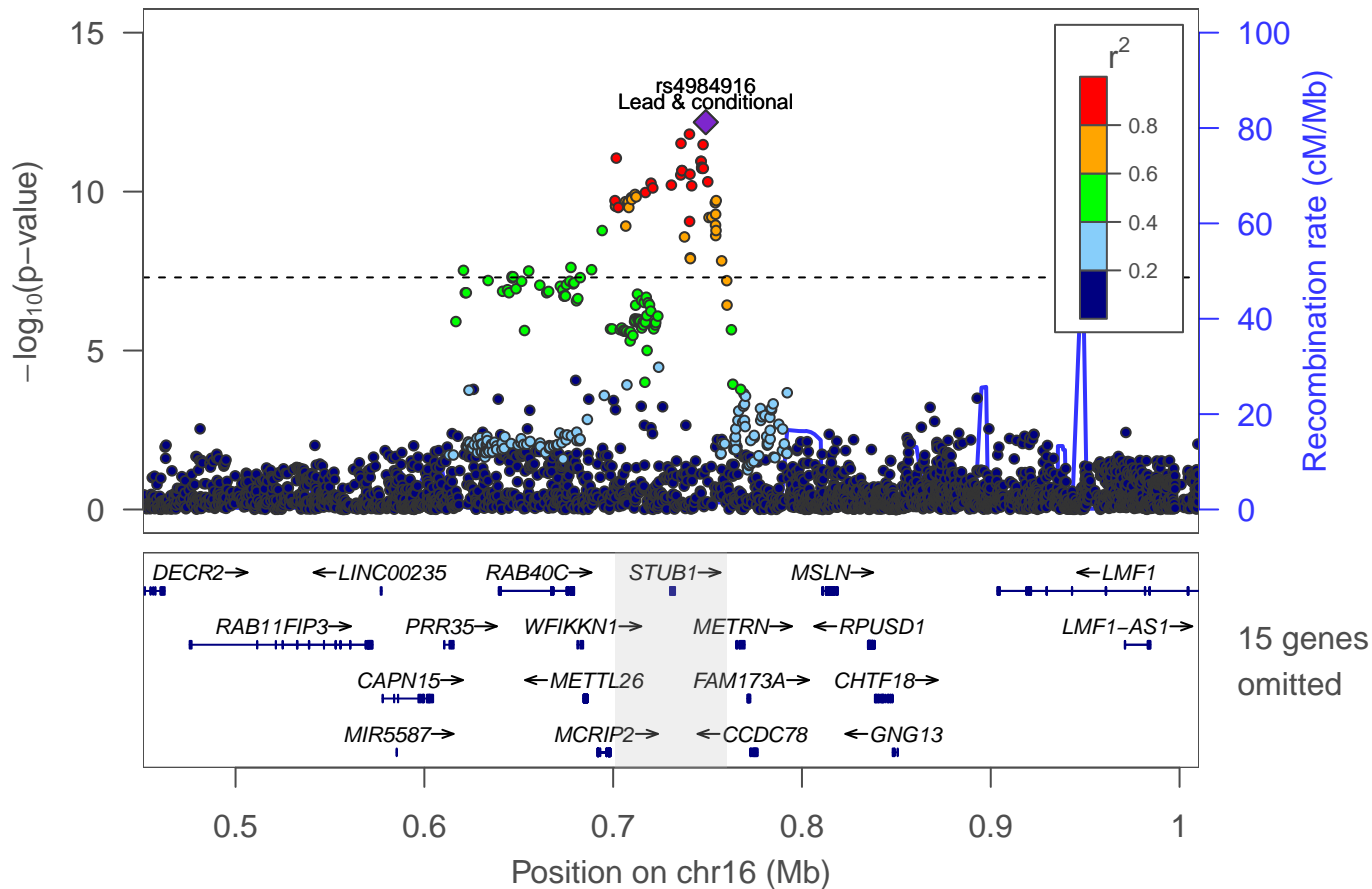
Ever smoker: locus 157 [chr 15:89.900–89.942Mb]



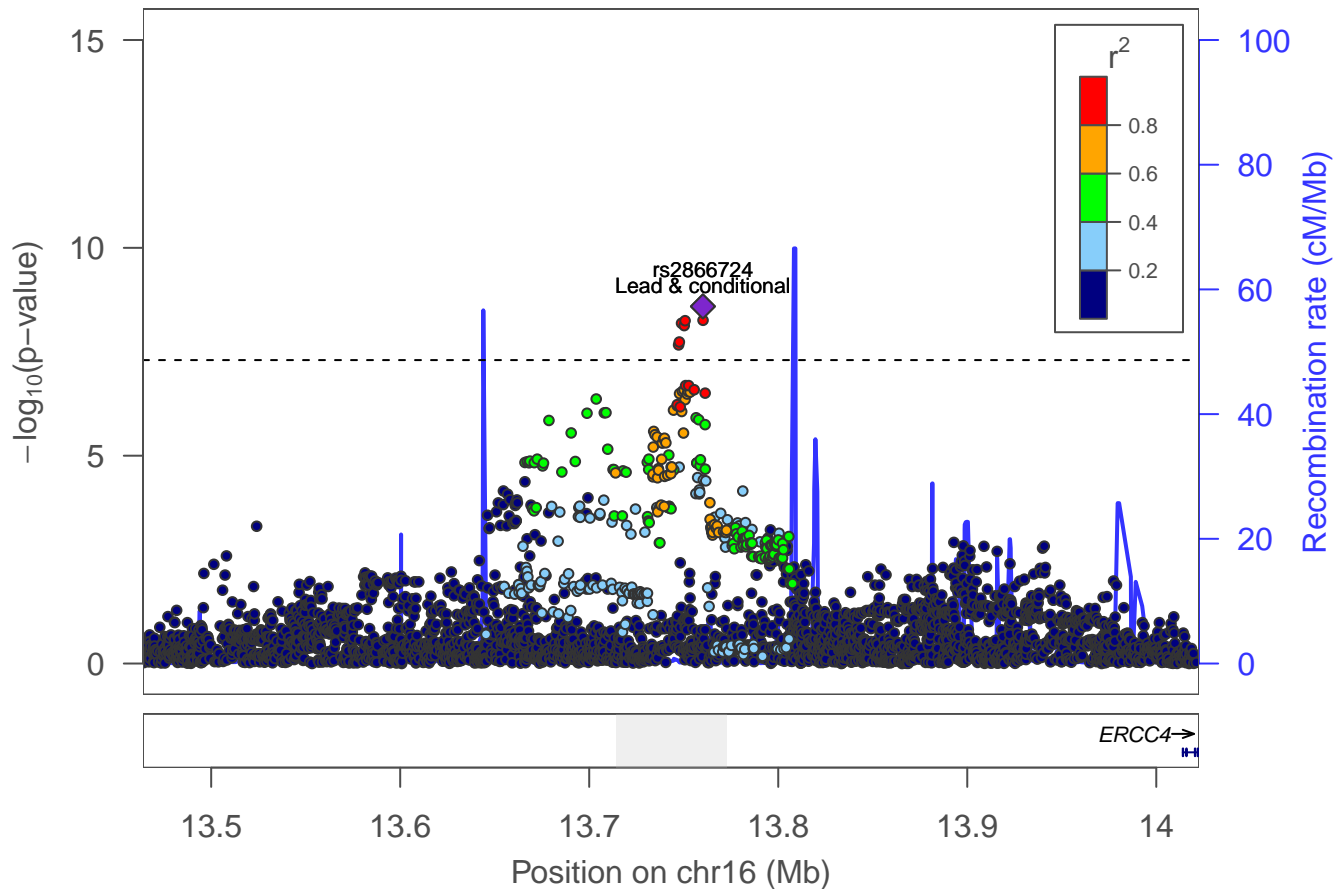
Ever smoker: locus 158 [chr 15:99.191–99.205Mb]



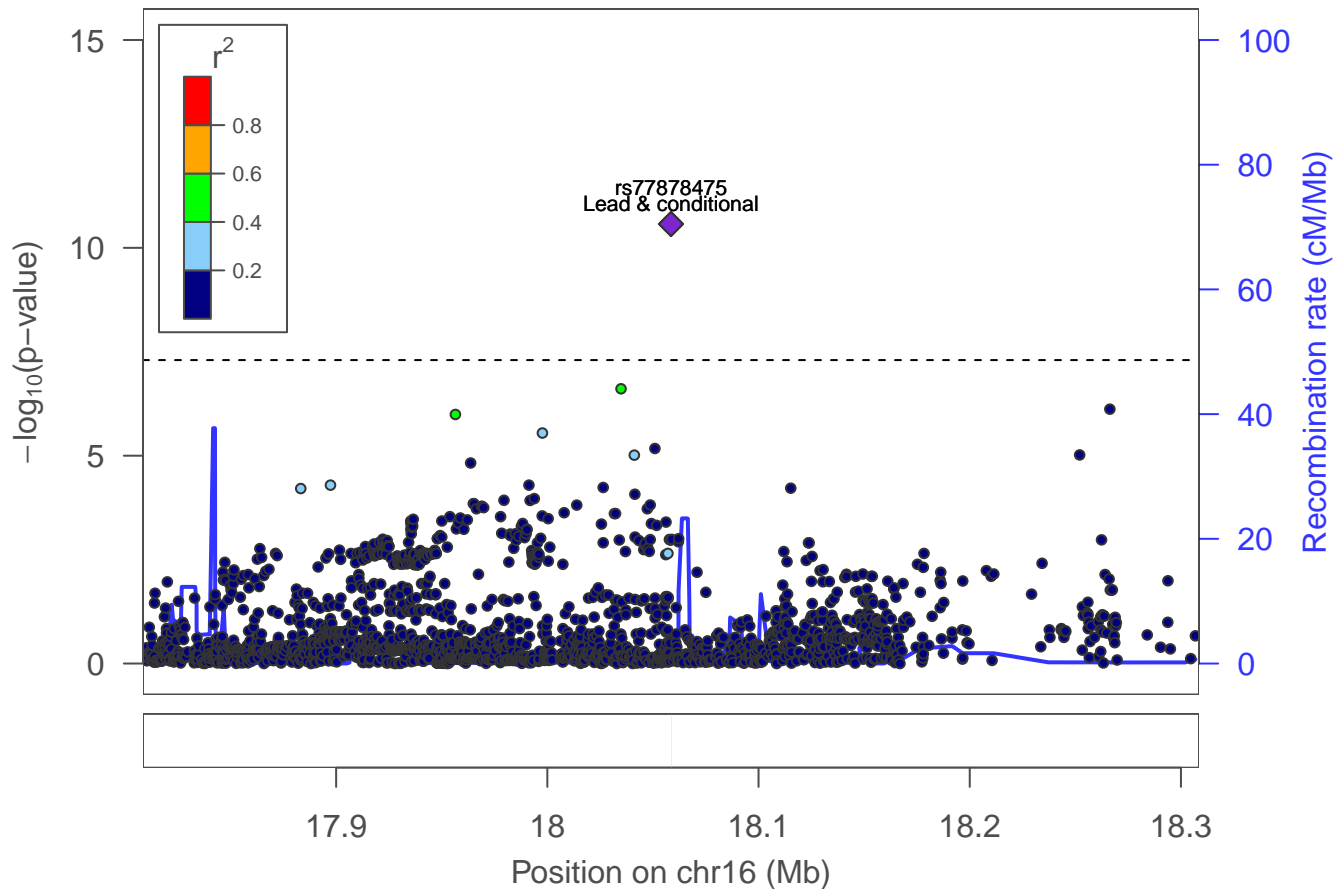
Ever smoker: locus 159 [chr 16:0.701–0.760Mb]



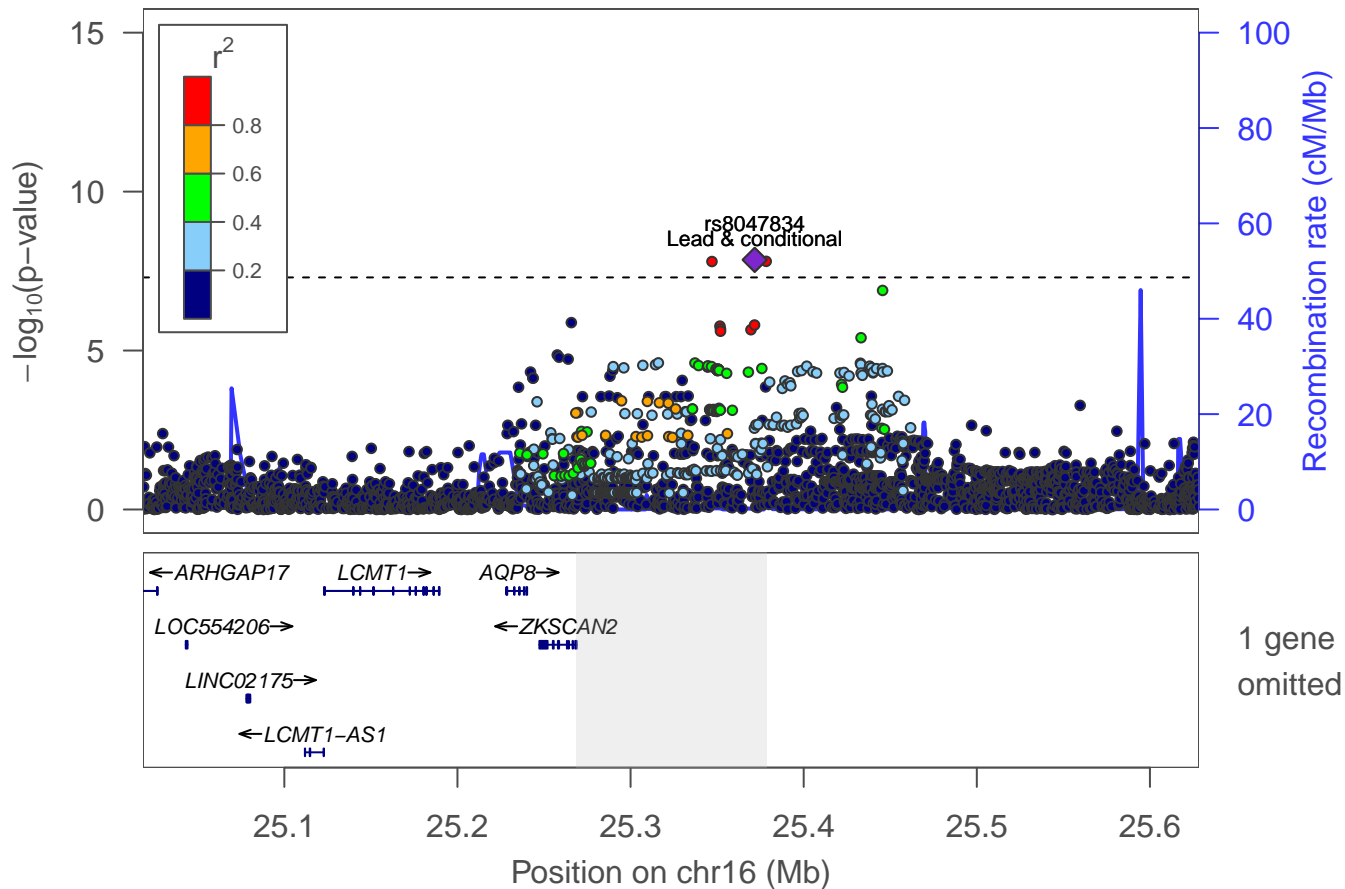
Ever smoker: locus 160 [chr 16:13.714–13.773Mb]



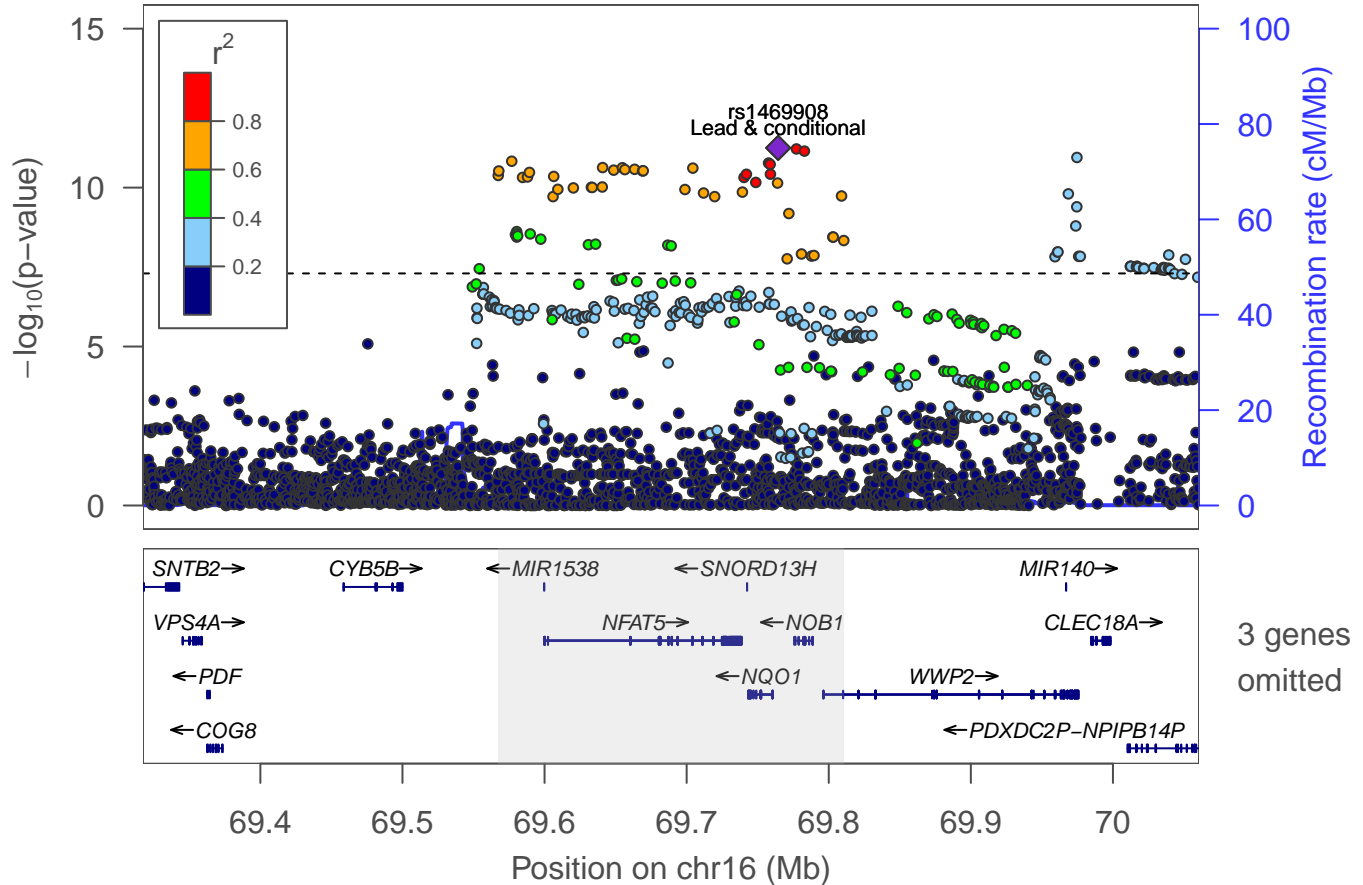
Ever smoker: locus 161 [chr 16:18.059–18.059Mb]



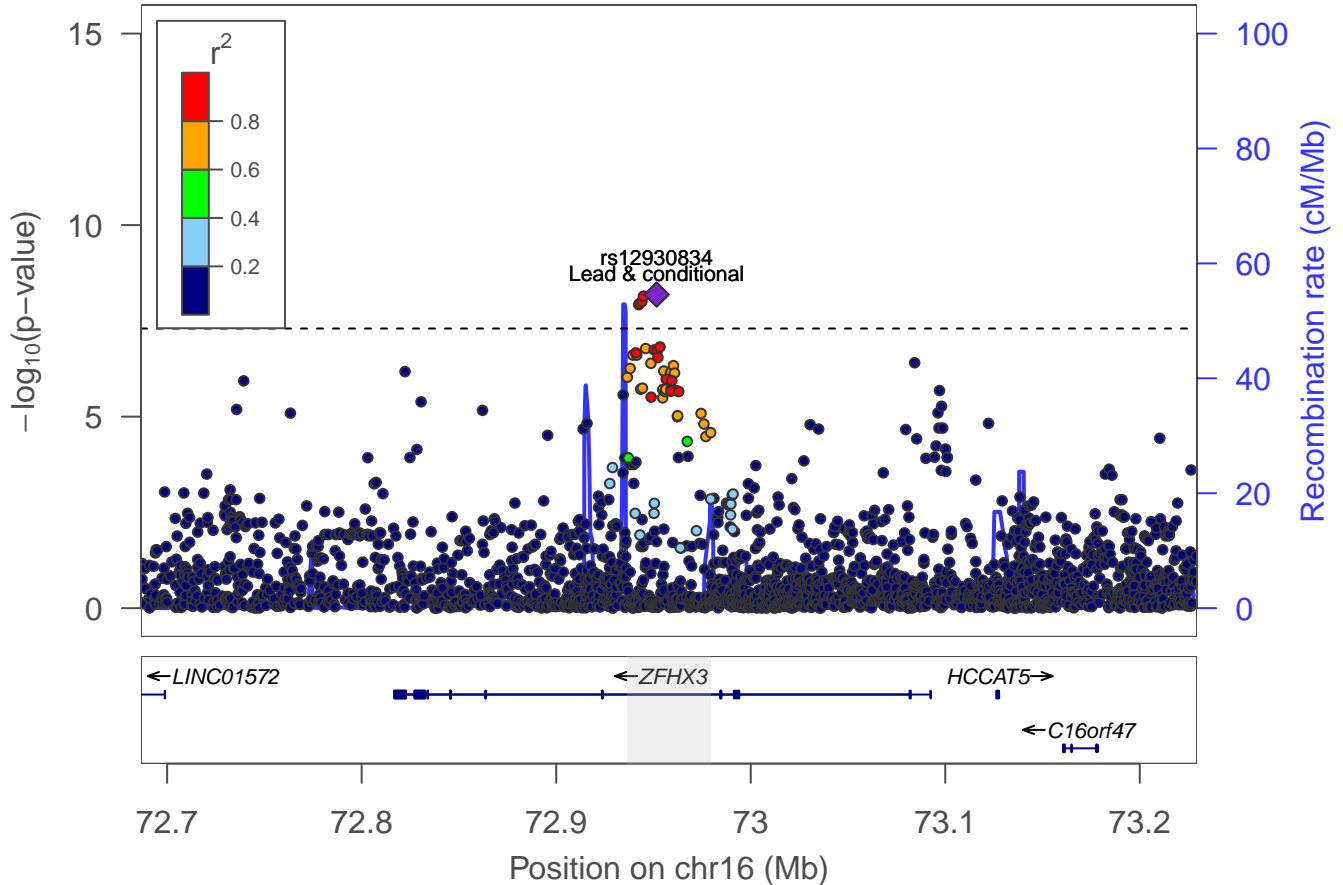
Ever smoker: locus 162 [chr 16:25.268–25.378Mb]



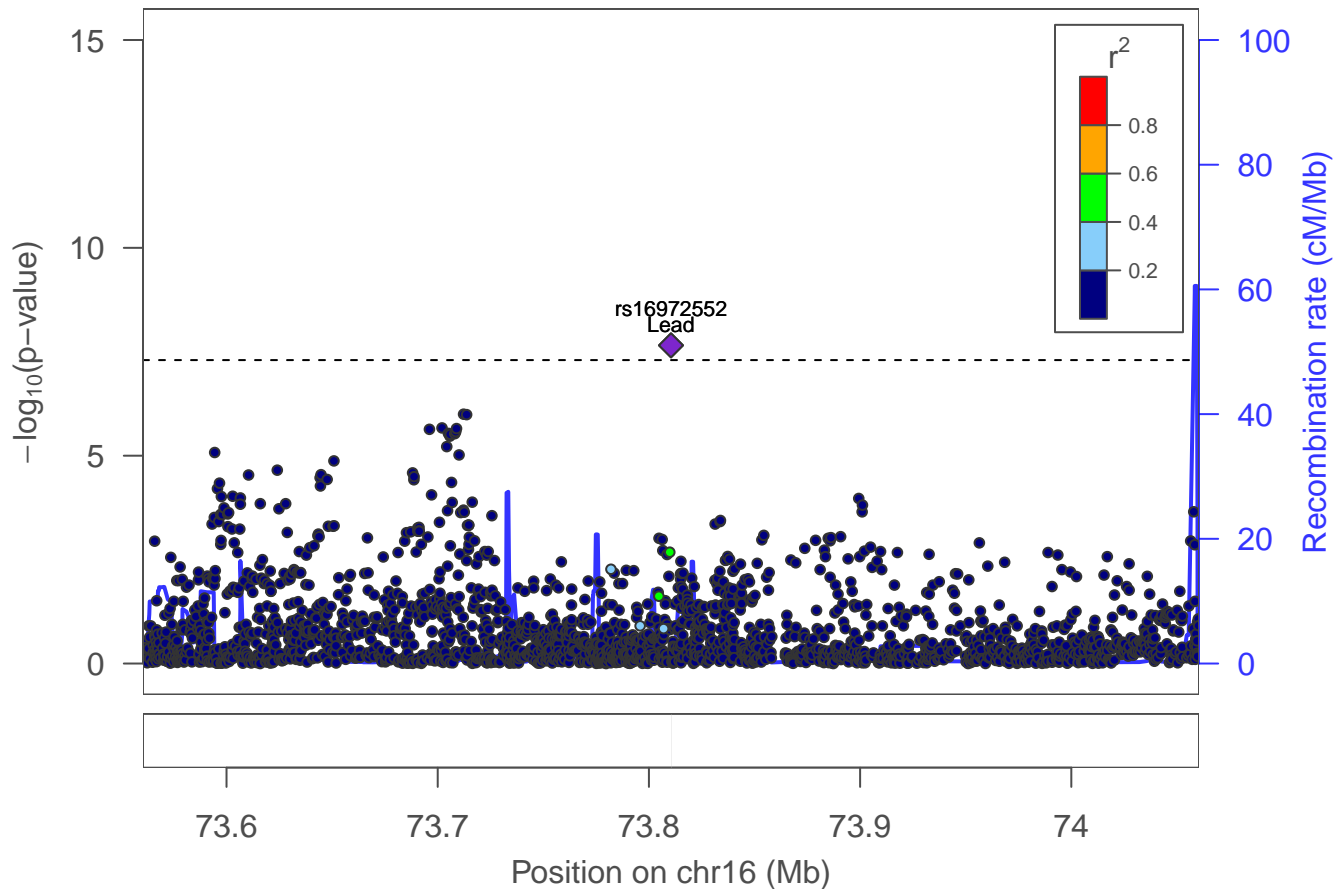
Ever smoker: locus 163 [chr 16:69.567–69.811Mb]



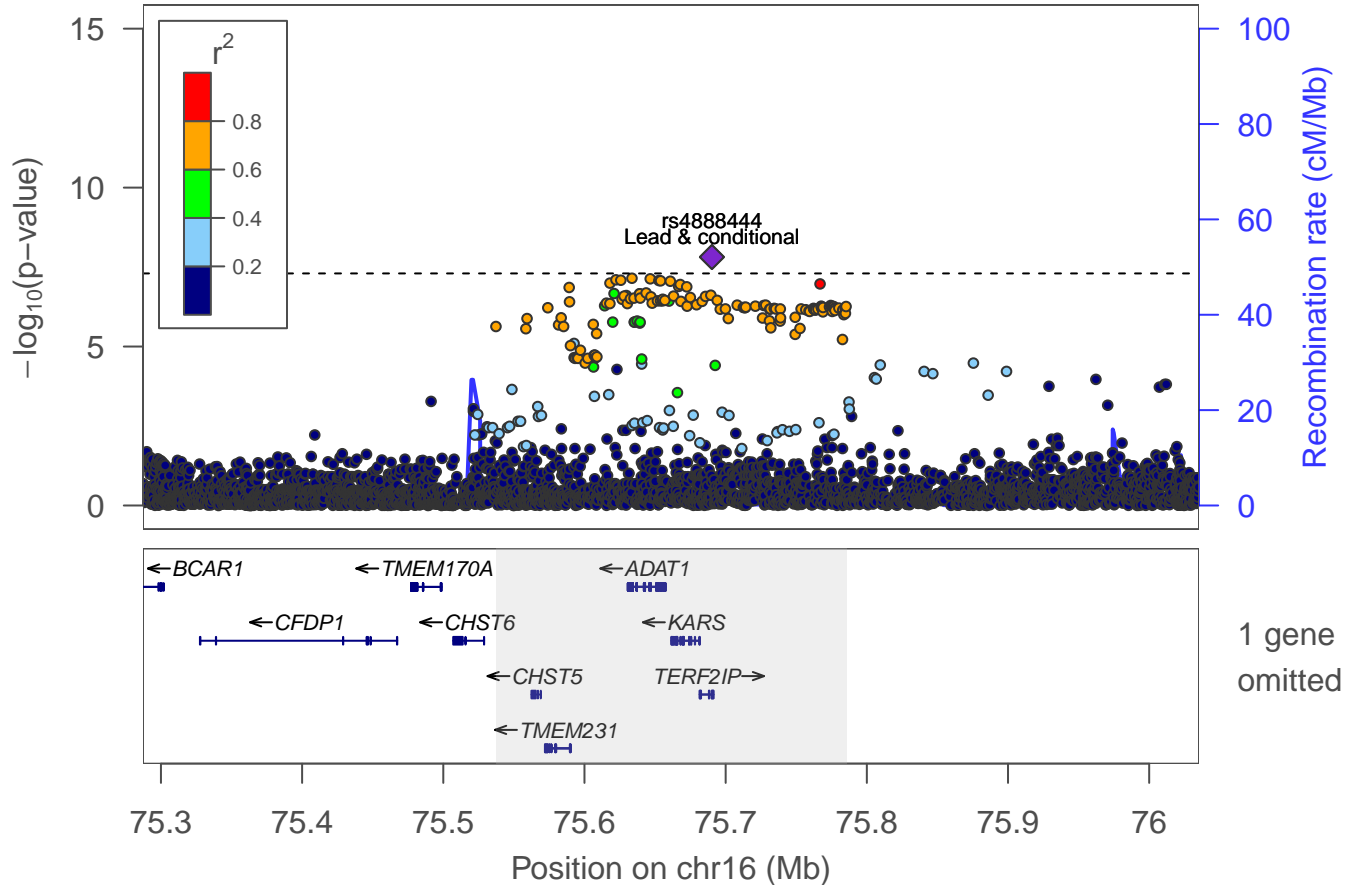
Ever smoker: locus 164 [chr 16:72.937–72.979Mb]



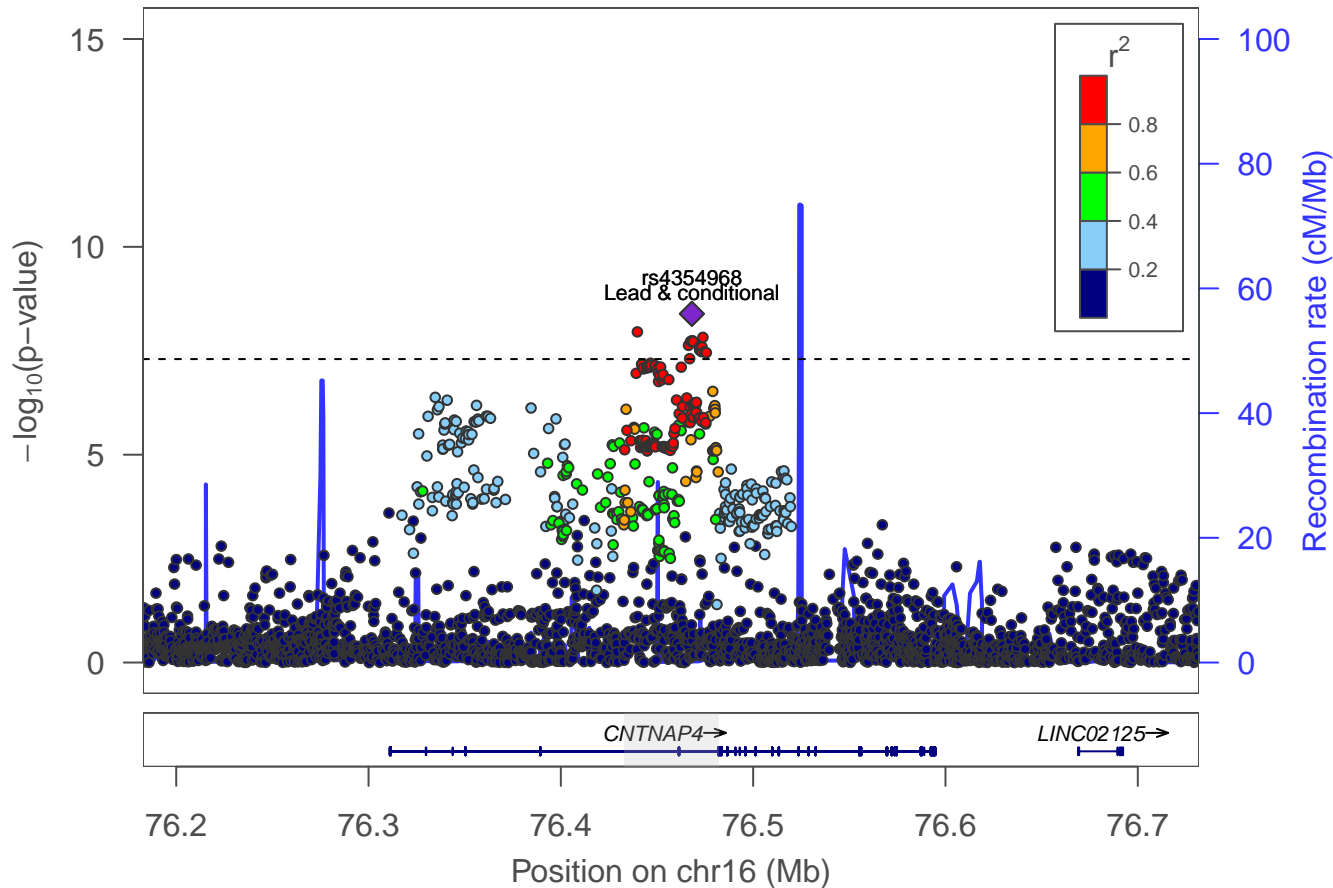
Ever smoker: locus 165 [chr 16:73.810–73.810Mb]



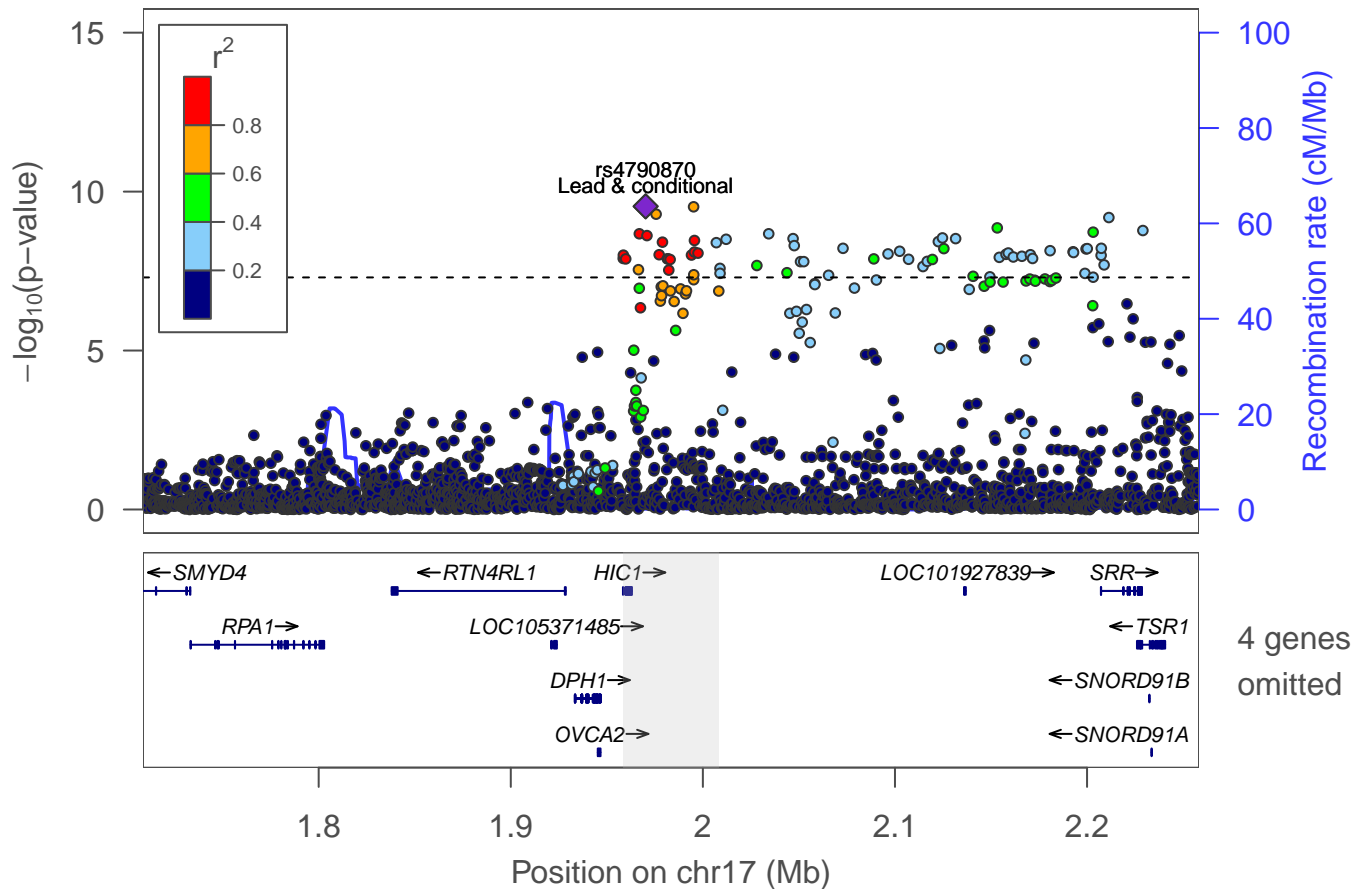
Ever smoker: locus 166 [chr 16:75.537–75.785Mb]



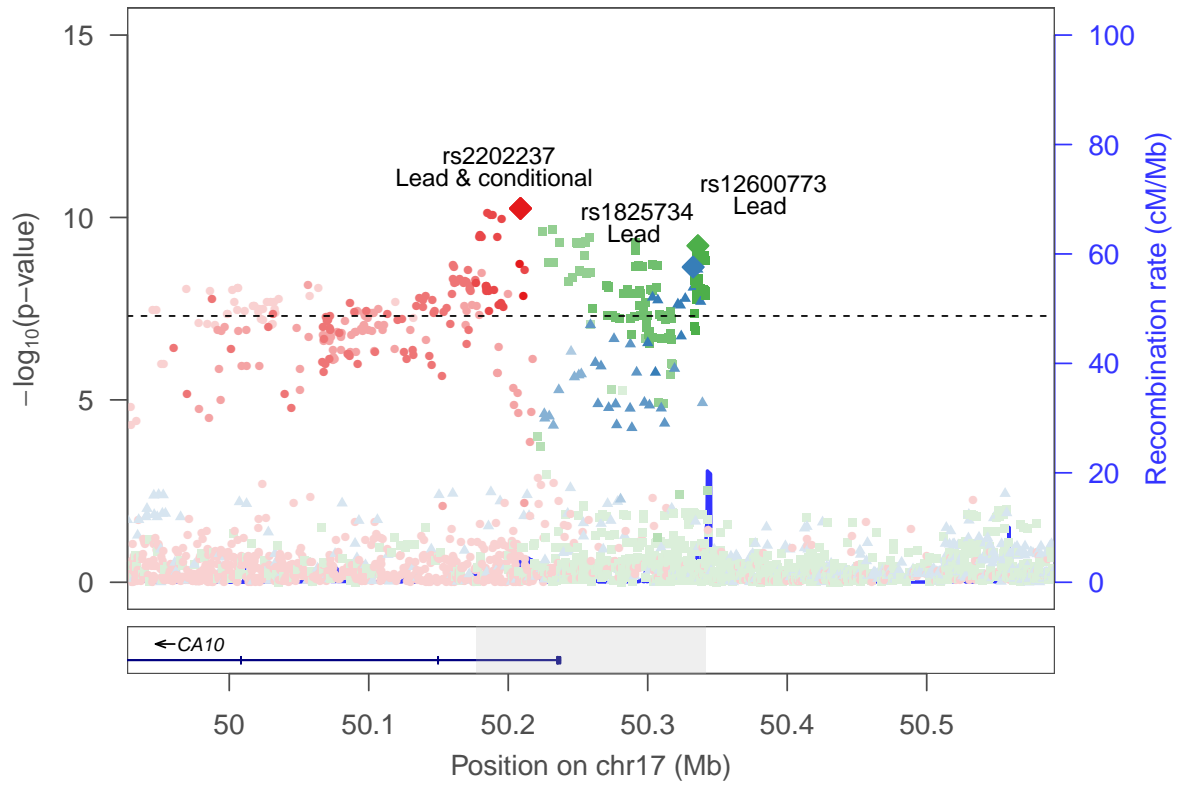
Ever smoker: locus 167 [chr 16:76.433–76.482Mb]



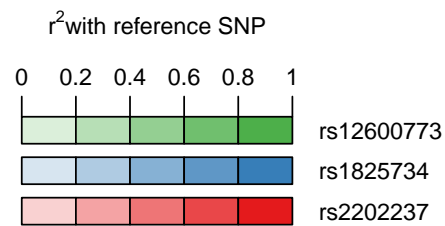
Ever smoker: locus 168 [chr 17:1.959–2.008Mb]



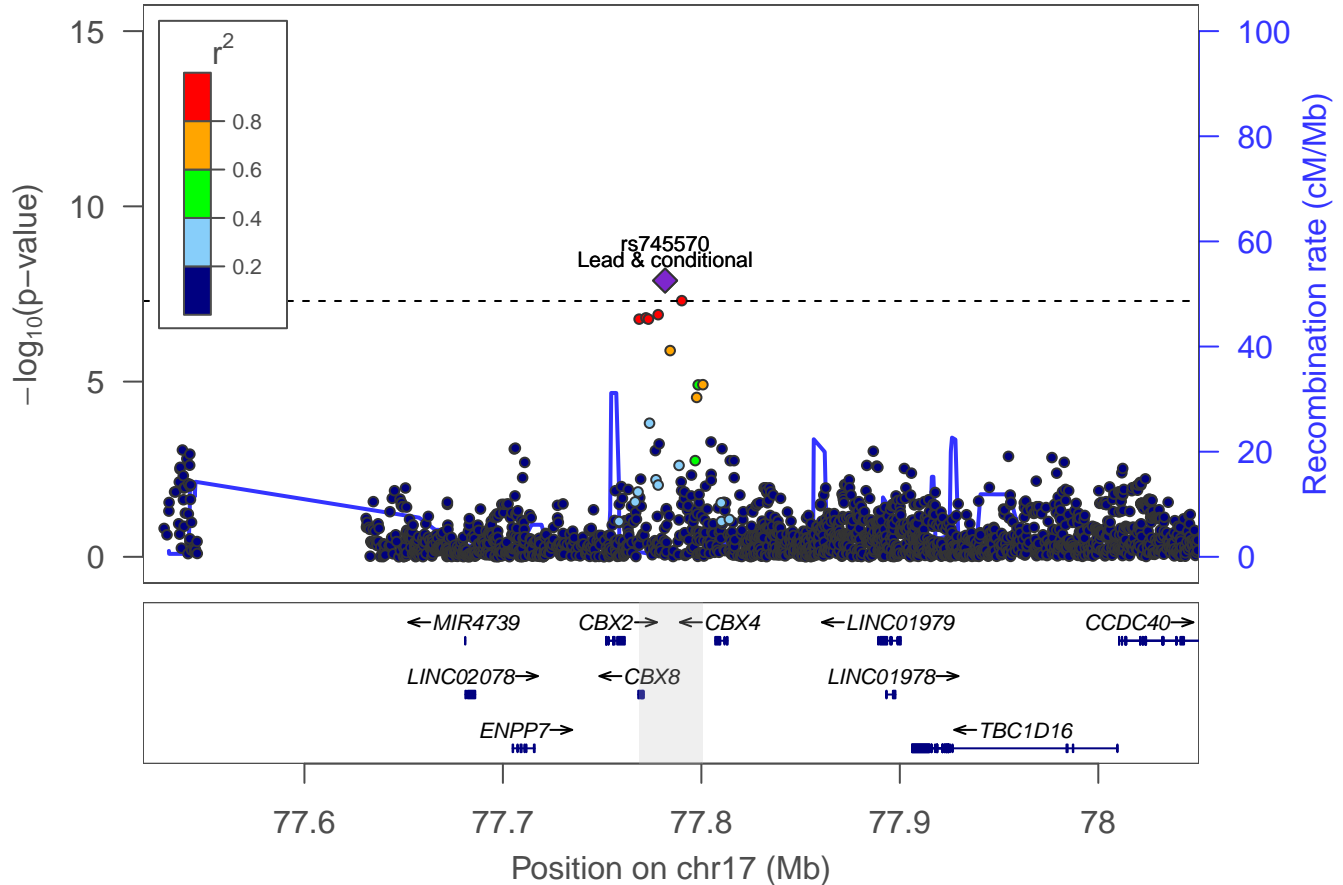
Ever smoker: Locus 169 [chr 17: 50.177–50.342Mb]



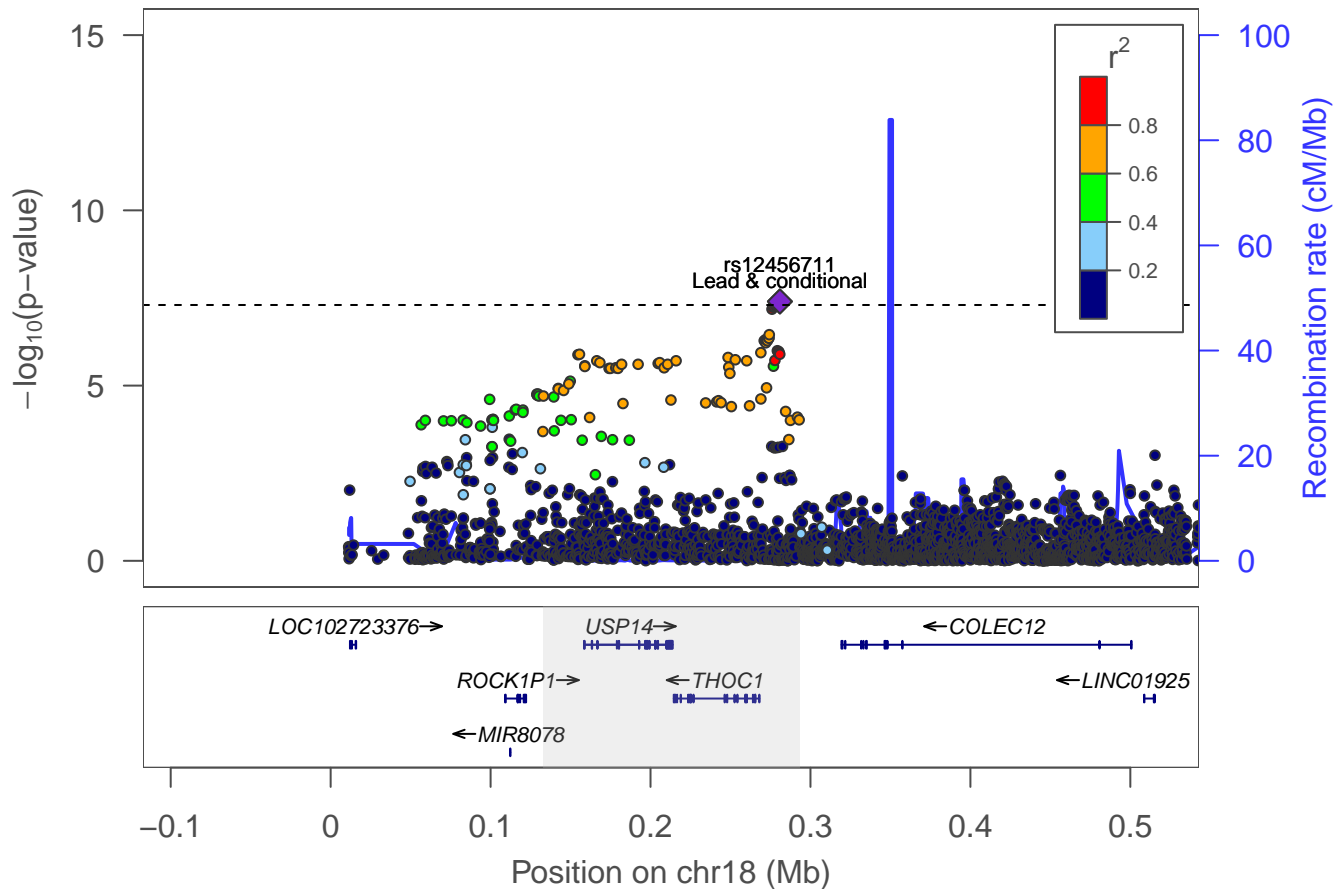
rs12600773 ■
rs1825734 ▲
rs2202237 ●



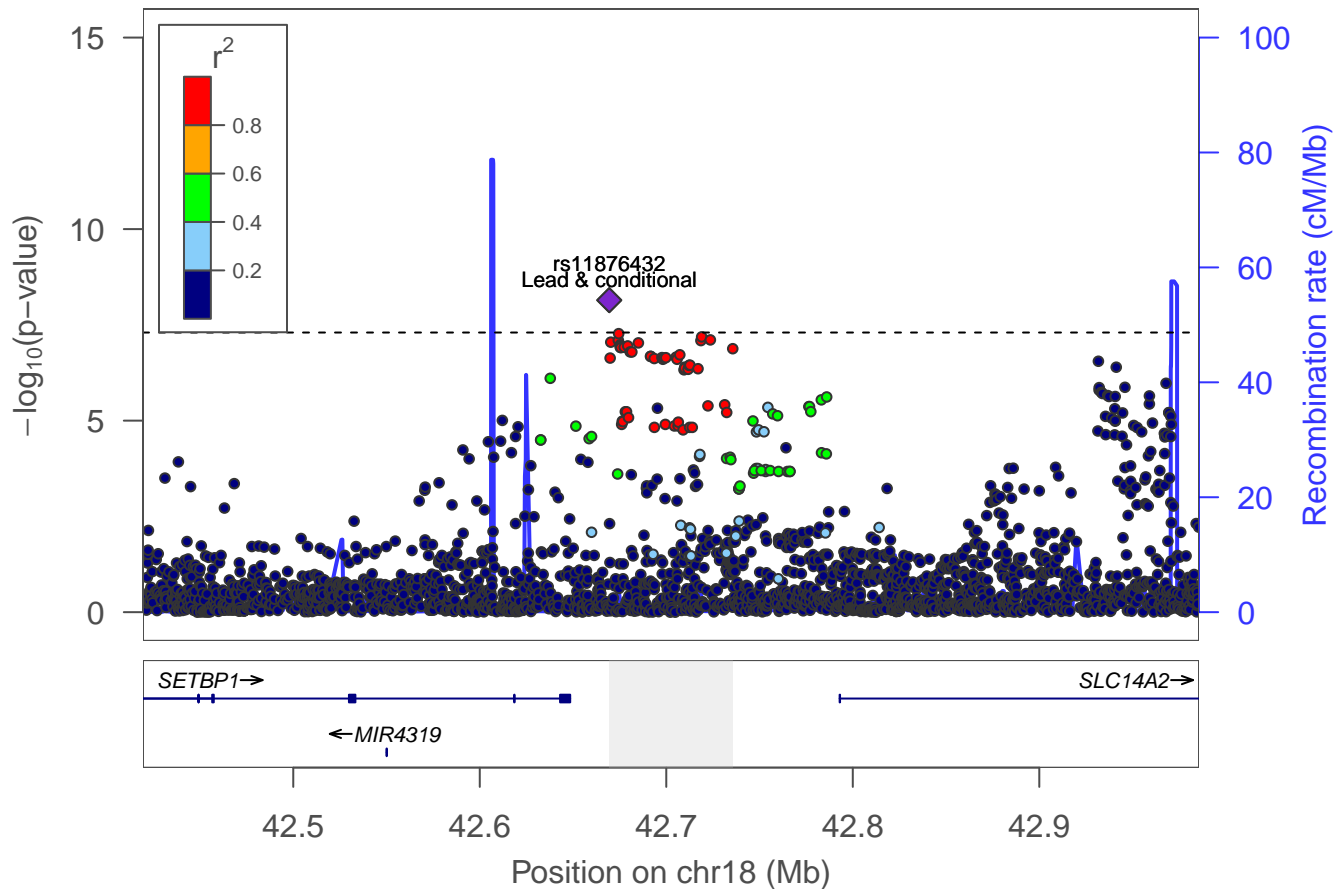
Ever smoker: locus 170 [chr 17:77.769–77.801Mb]



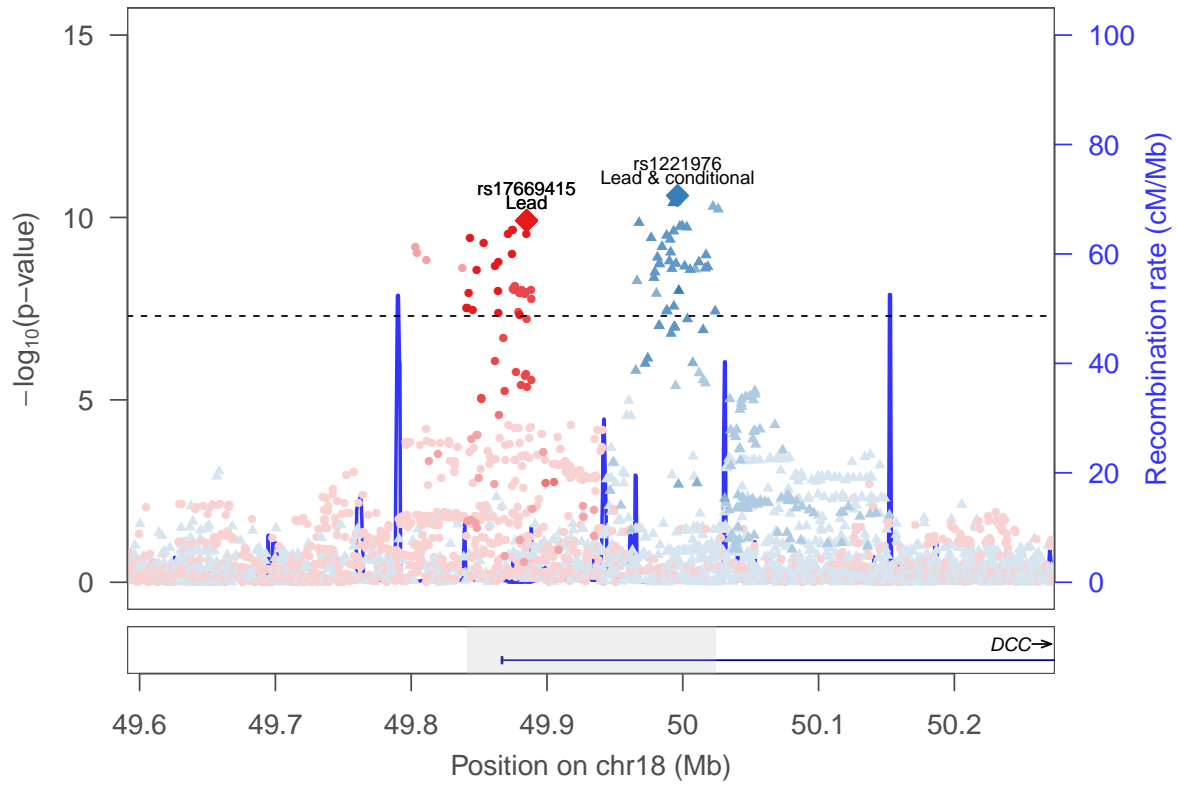
Ever smoker: locus 171 [chr 18:0.133–0.293Mb]



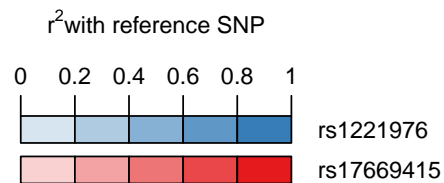
Ever smoker: locus 172 [chr 18:42.669–42.736Mb]



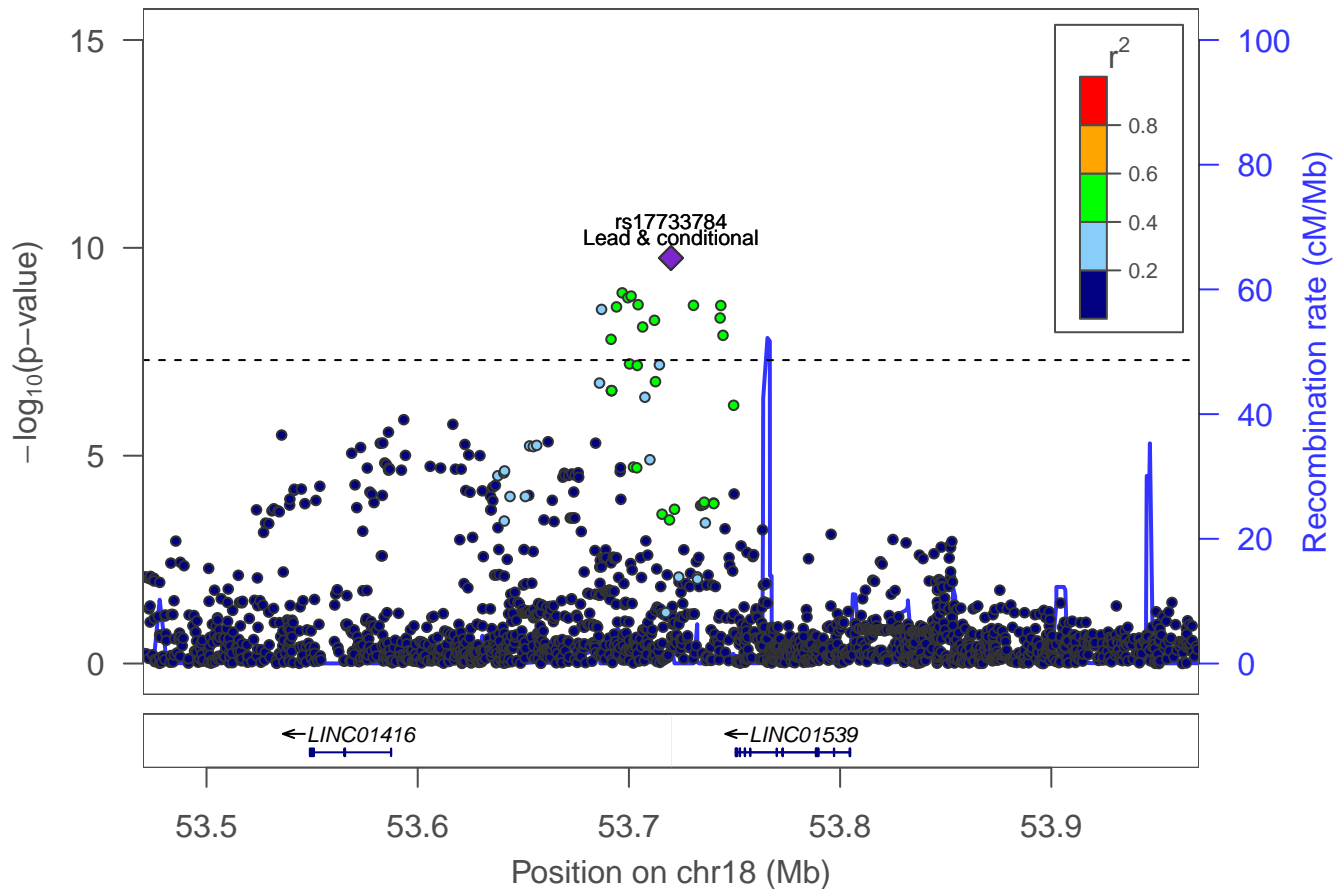
Ever smoker: Locus 173 [chr 18: 49.841–50.024Mb]



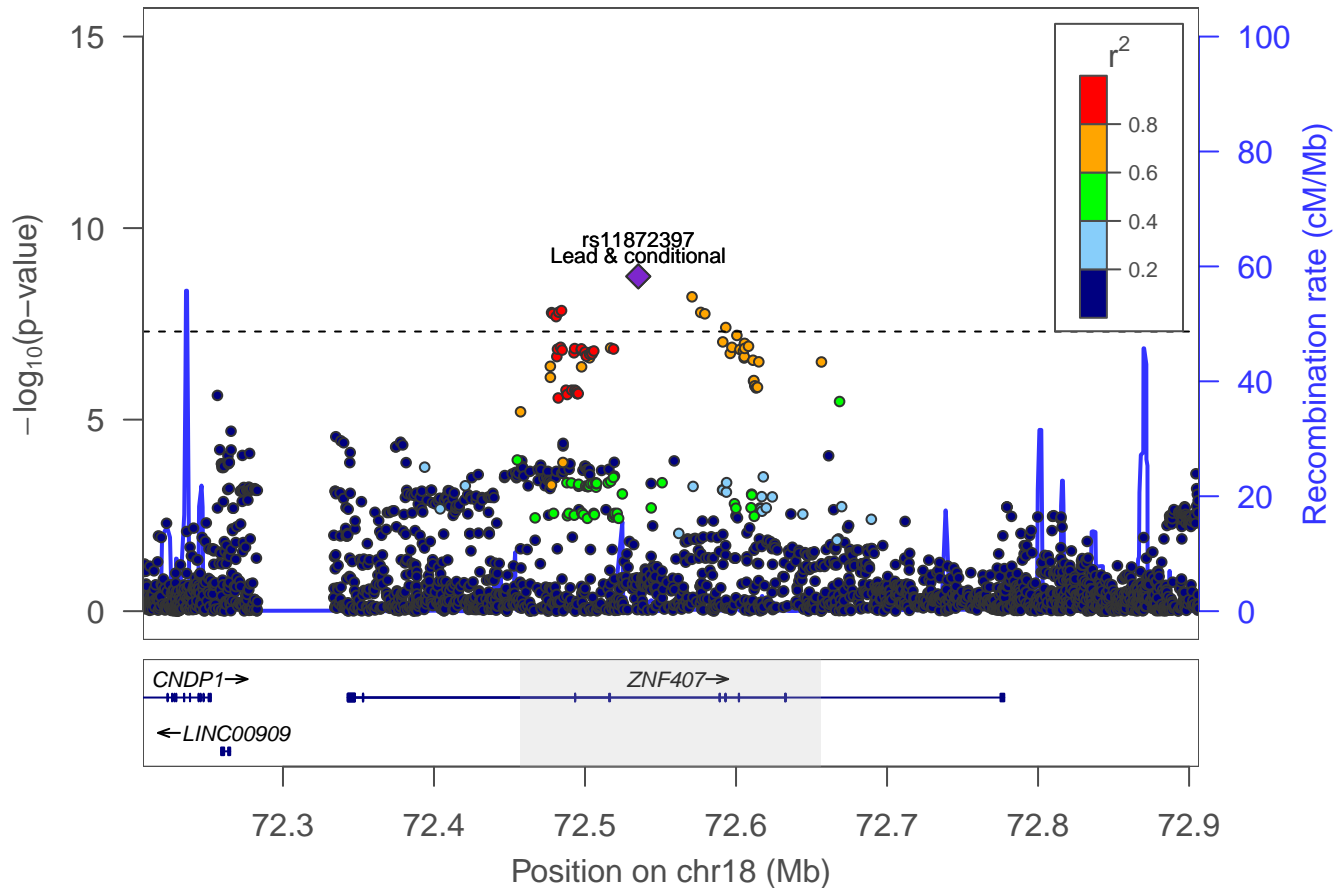
rs1221976 ▲
rs17669415 ●



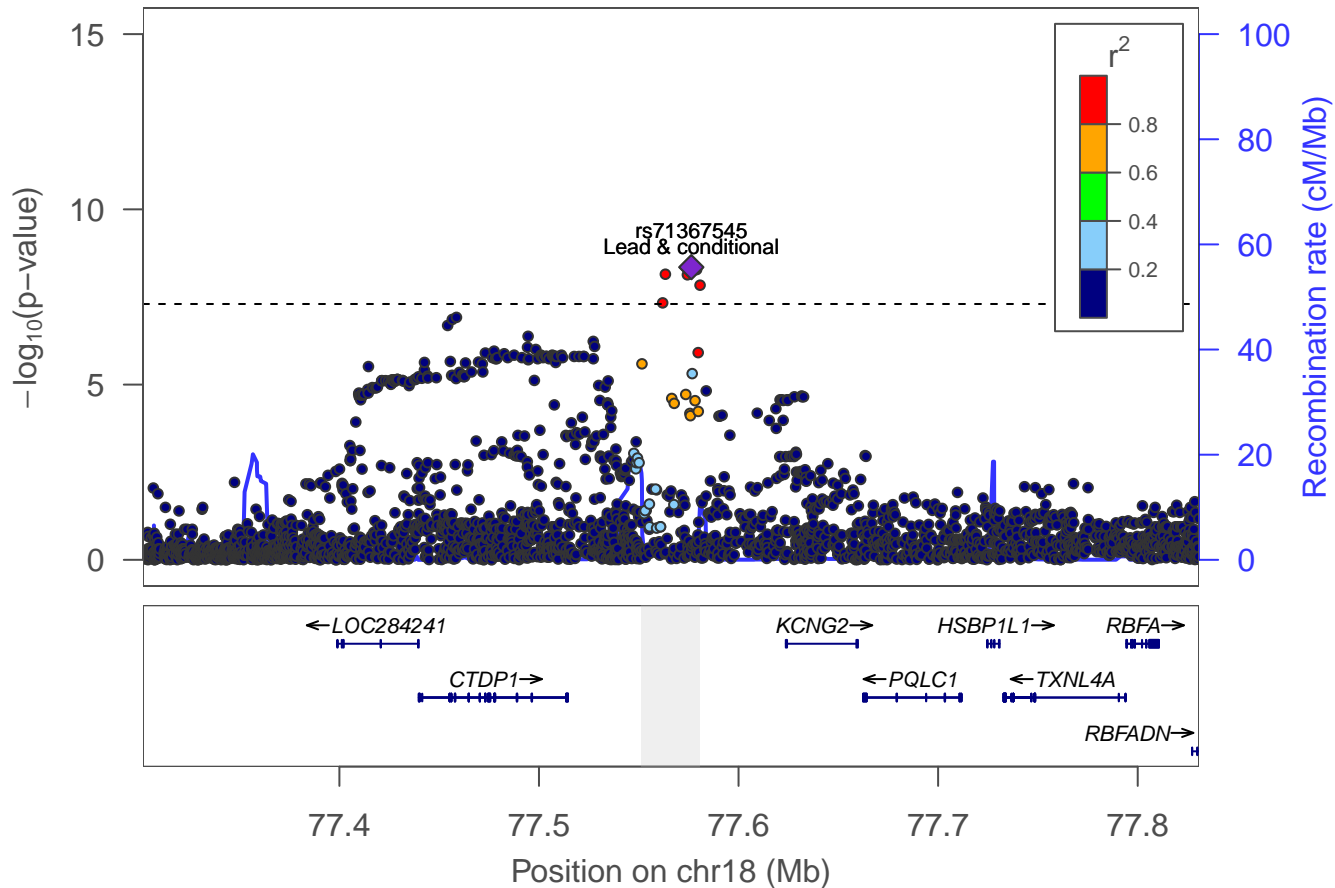
Ever smoker: locus 174 [chr 18:53.720–53.720Mb]



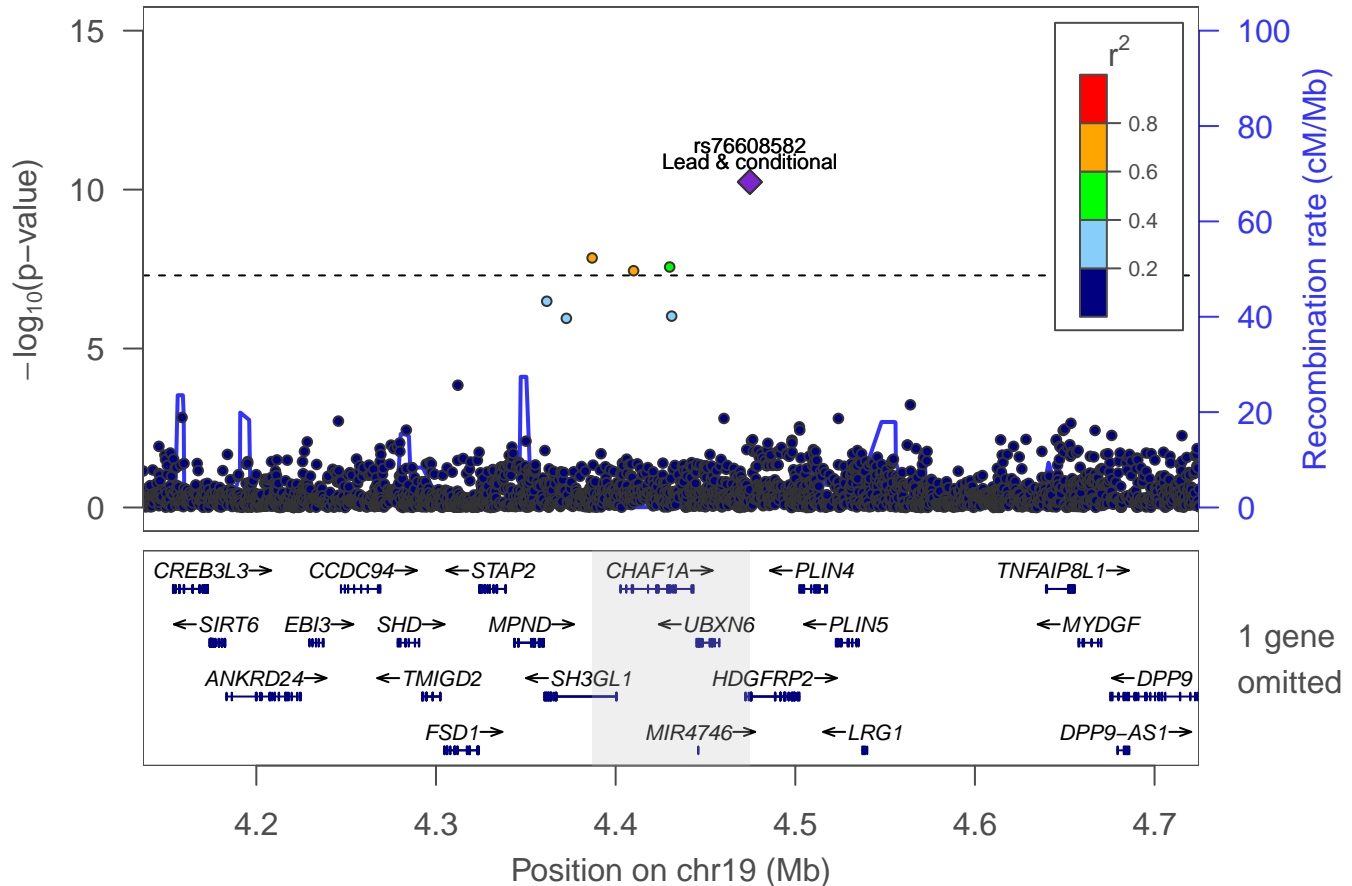
Ever smoker: locus 175 [chr 18:72.457–72.657Mb]



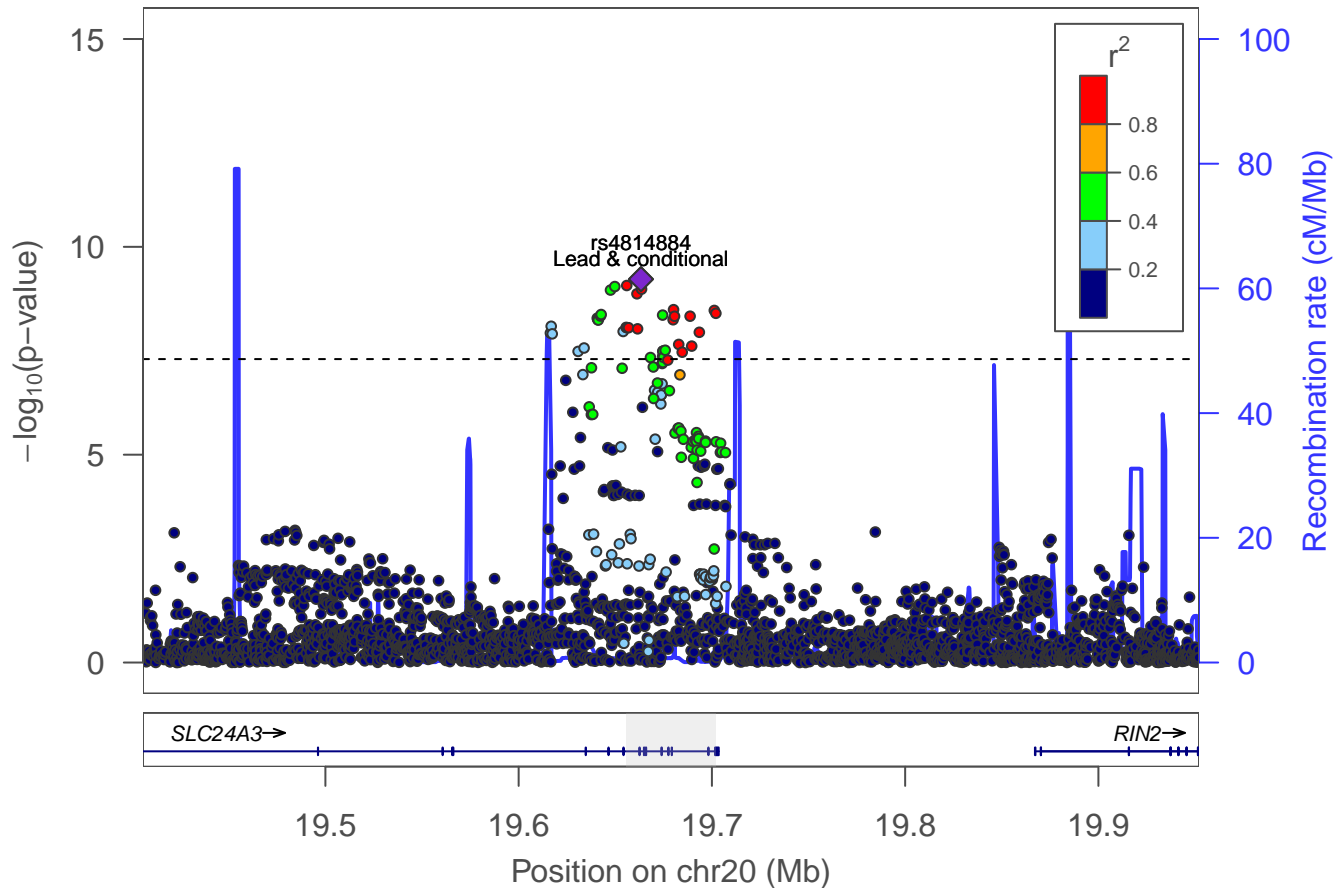
Ever smoker: locus 176 [chr 18:77.552–77.581Mb]



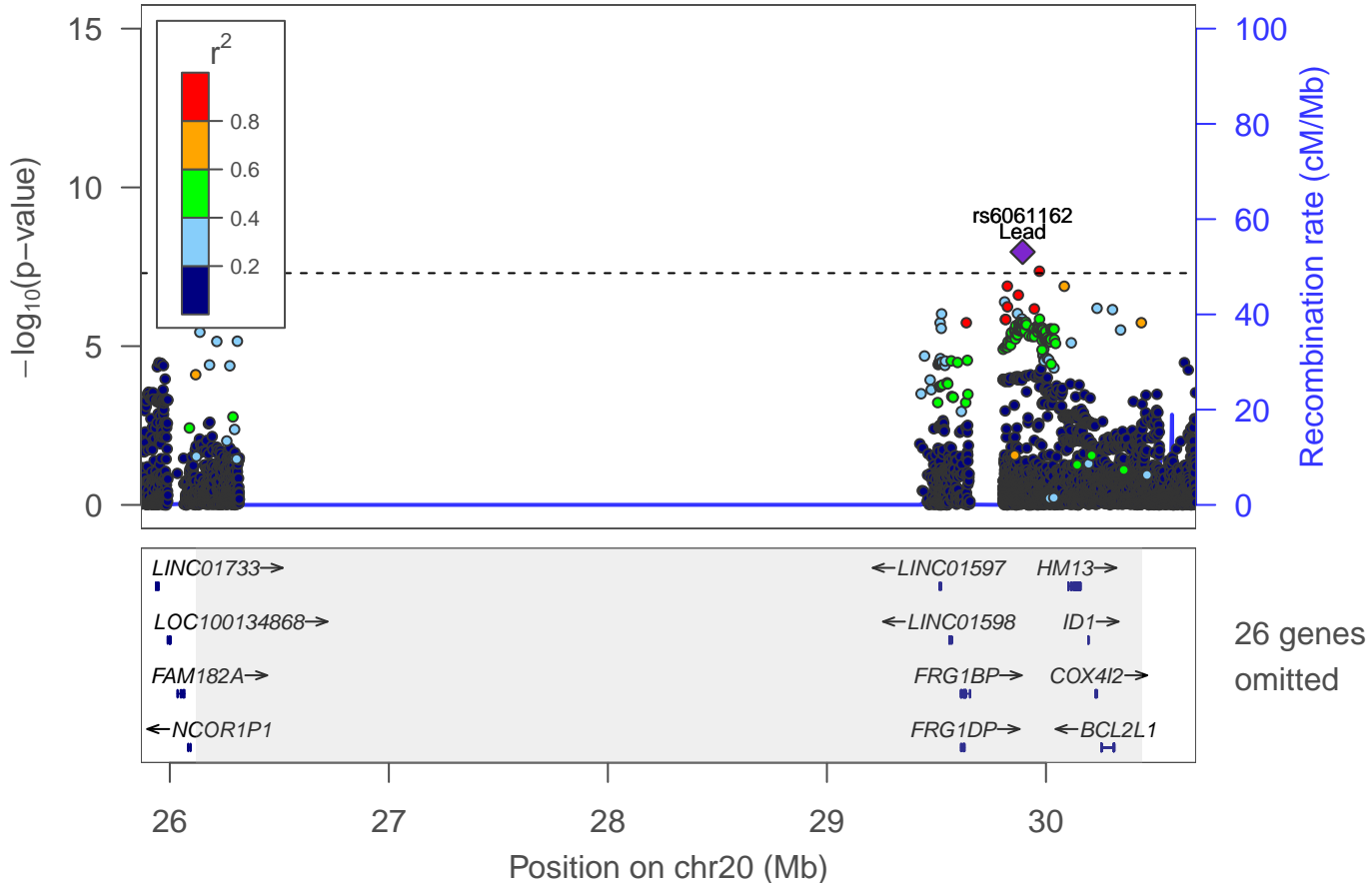
Ever smoker: locus 177 [chr 19:4.387–4.475Mb]



Ever smoker: locus 178 [chr 20:19.656–19.702Mb]

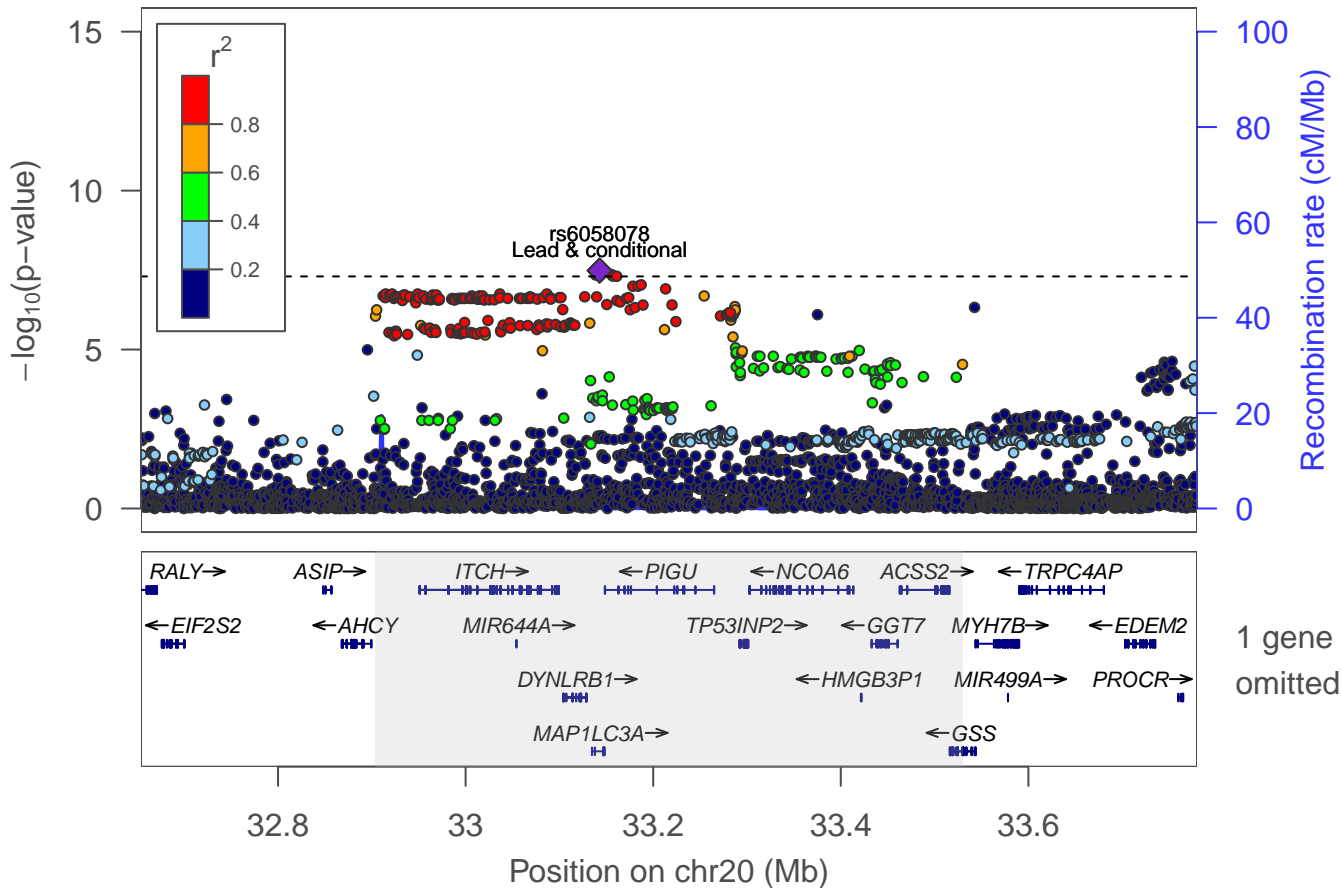


Ever smoker: locus 179 [chr 20:26.118–30.435Mb]

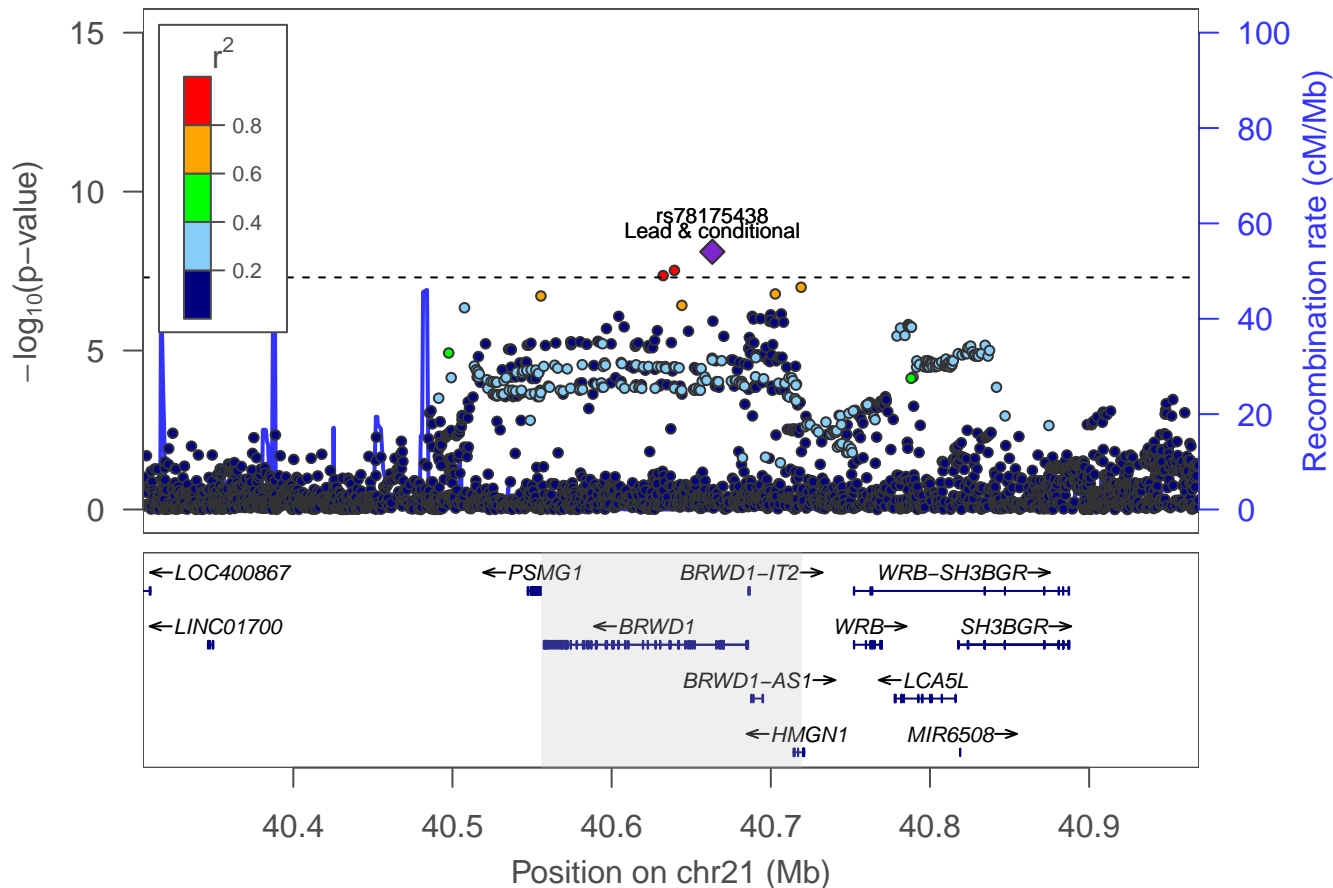


Note: The gap in the locus is because the locus spans the centromere of the chromosome.

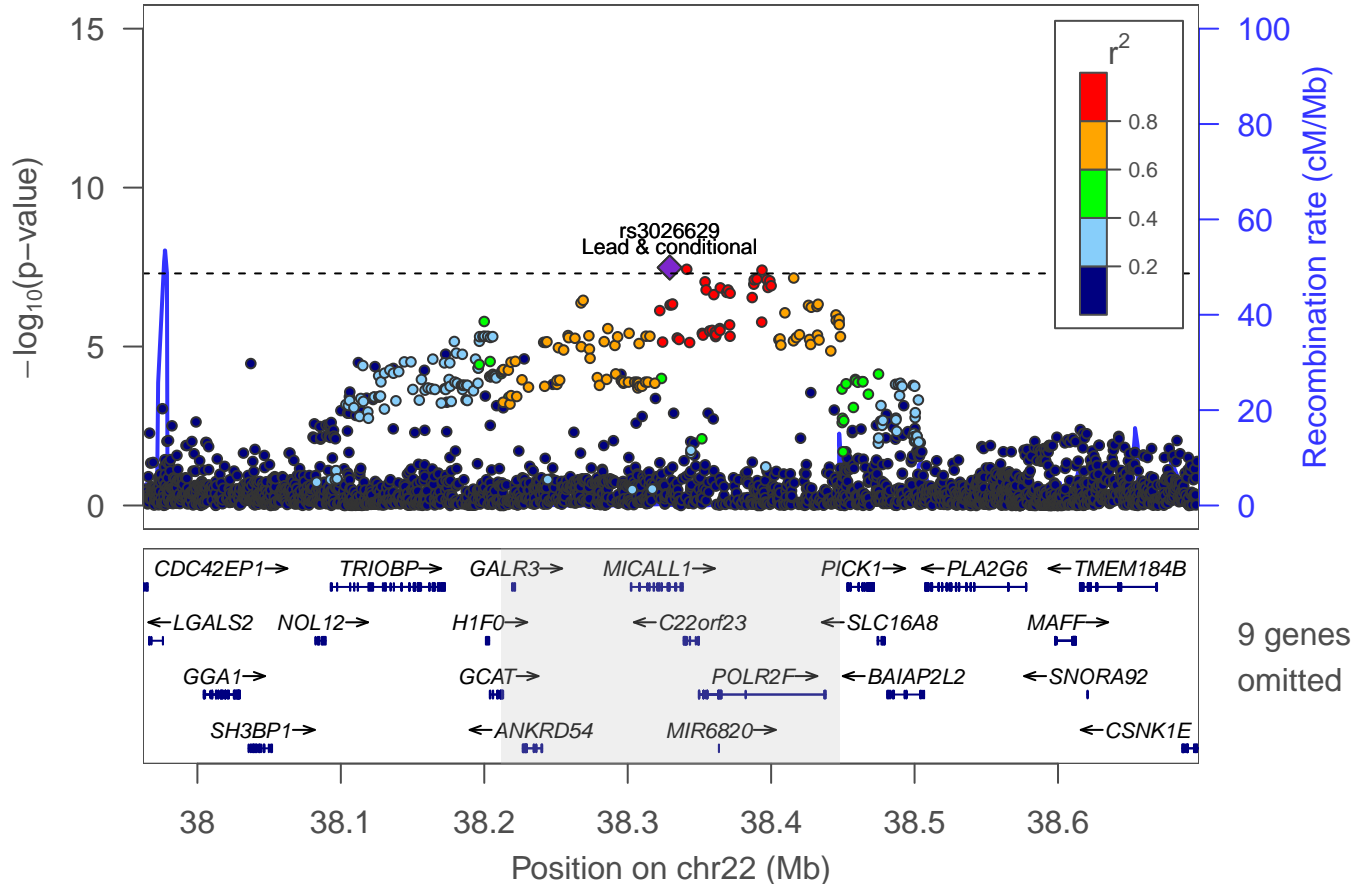
Ever smoker: locus 181 [chr 20:32.904–33.530Mb]



Ever smoker: locus 182 [chr 21:40.556–40.719Mb]

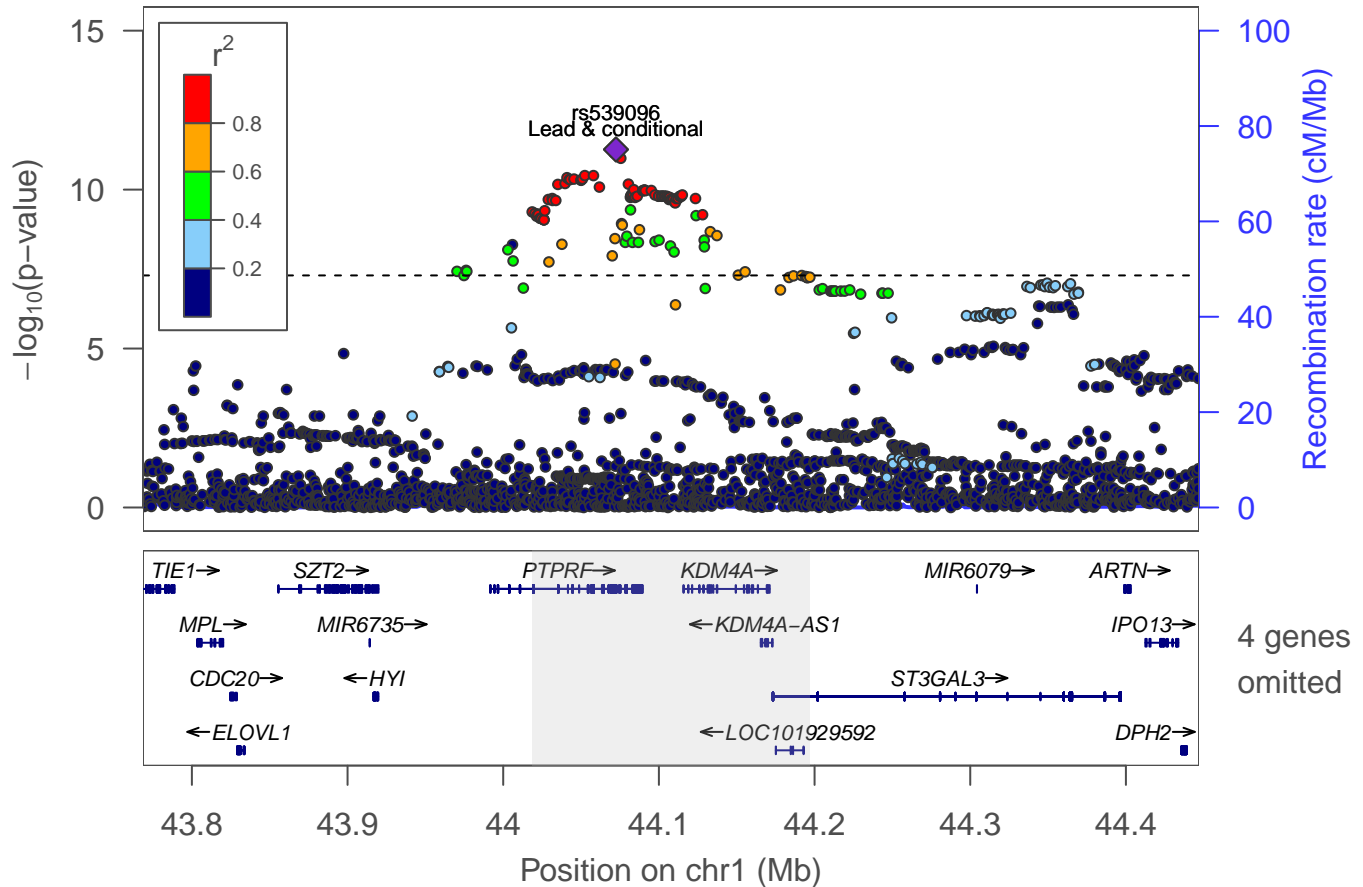


Ever smoker: locus 183 [chr 22:38.212–38.448Mb]

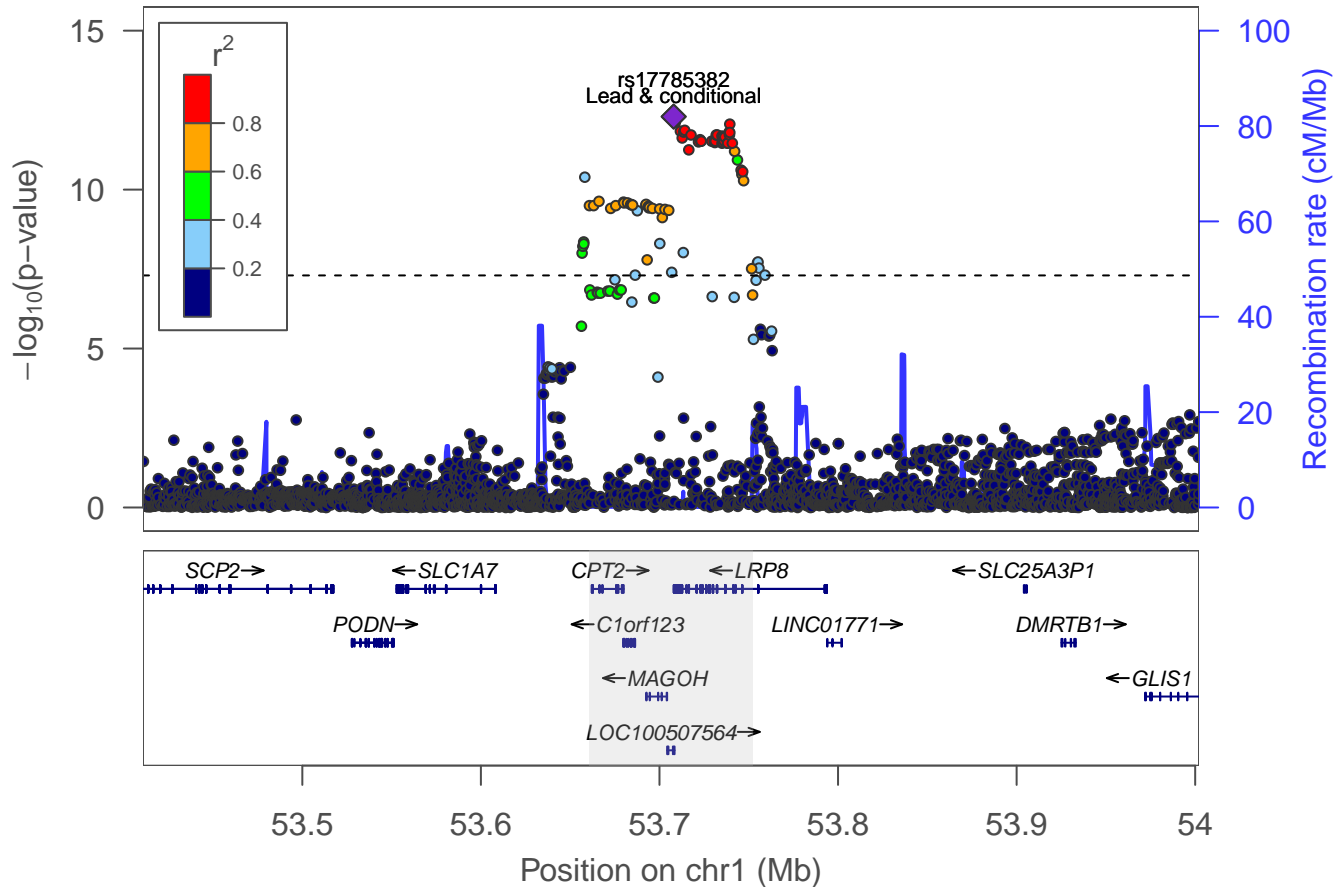


LocusZoom plots for the 98 loci identified
in the GWAS of number of sexual partners

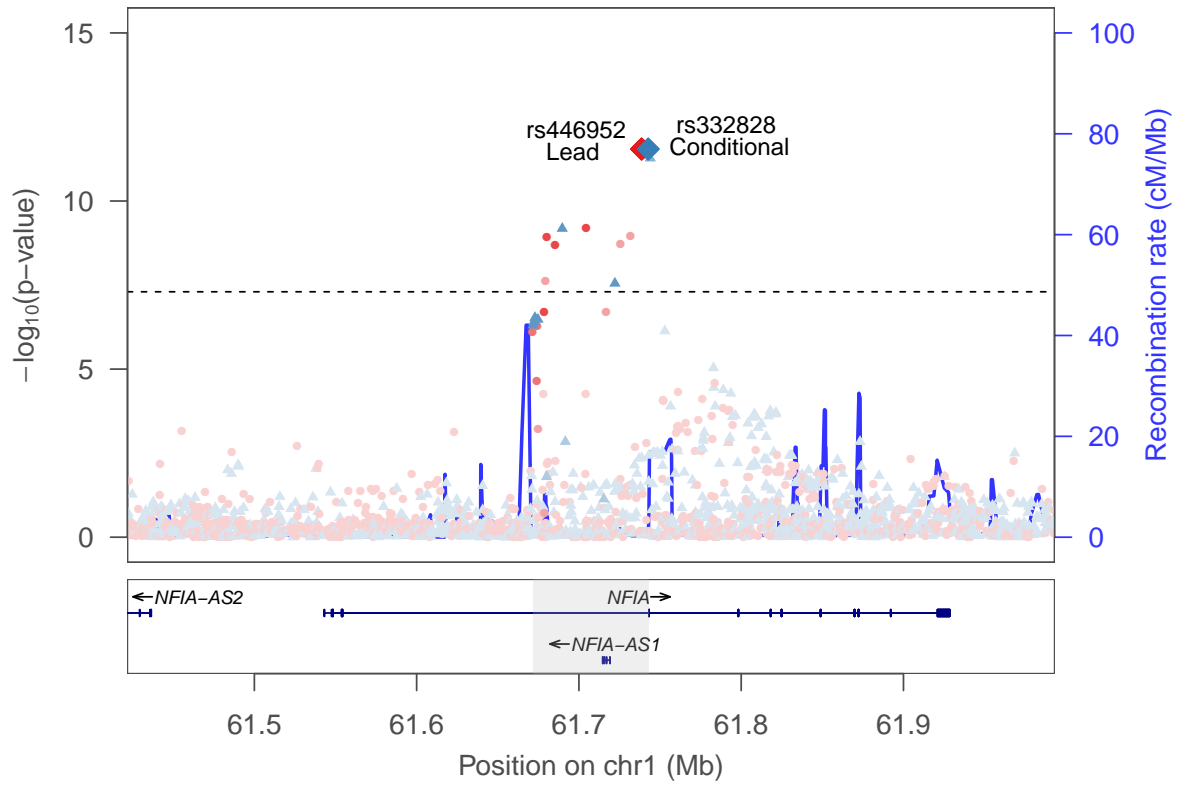
Number of sexual partners: locus 1 [chr 1:44.019–44.197Mb]



Number of sexual partners: locus 2 [chr 1:53.661–53.752Mb]



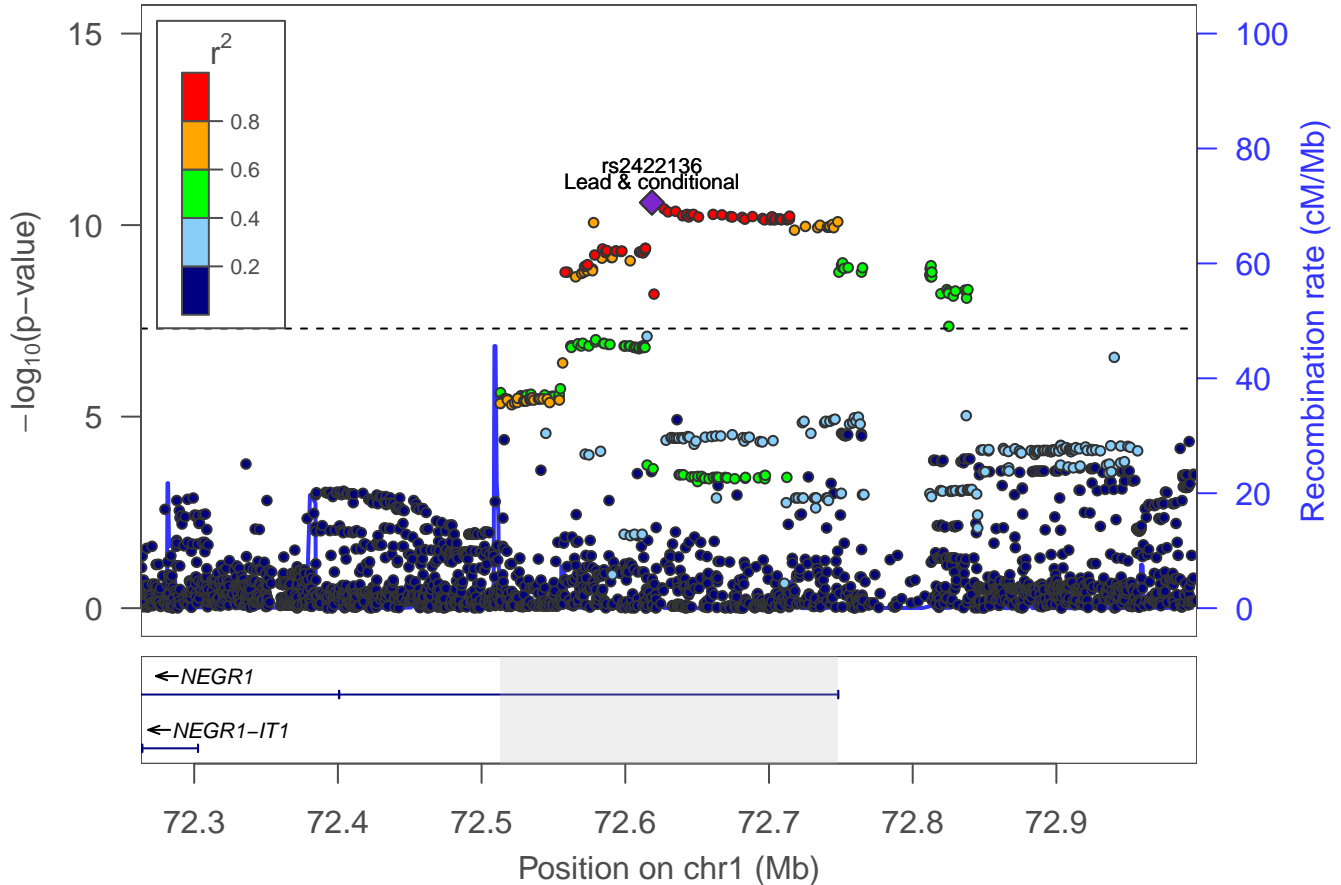
Number of sexual partners: Locus 3 [chr 1: 61.672–61.743Mb]



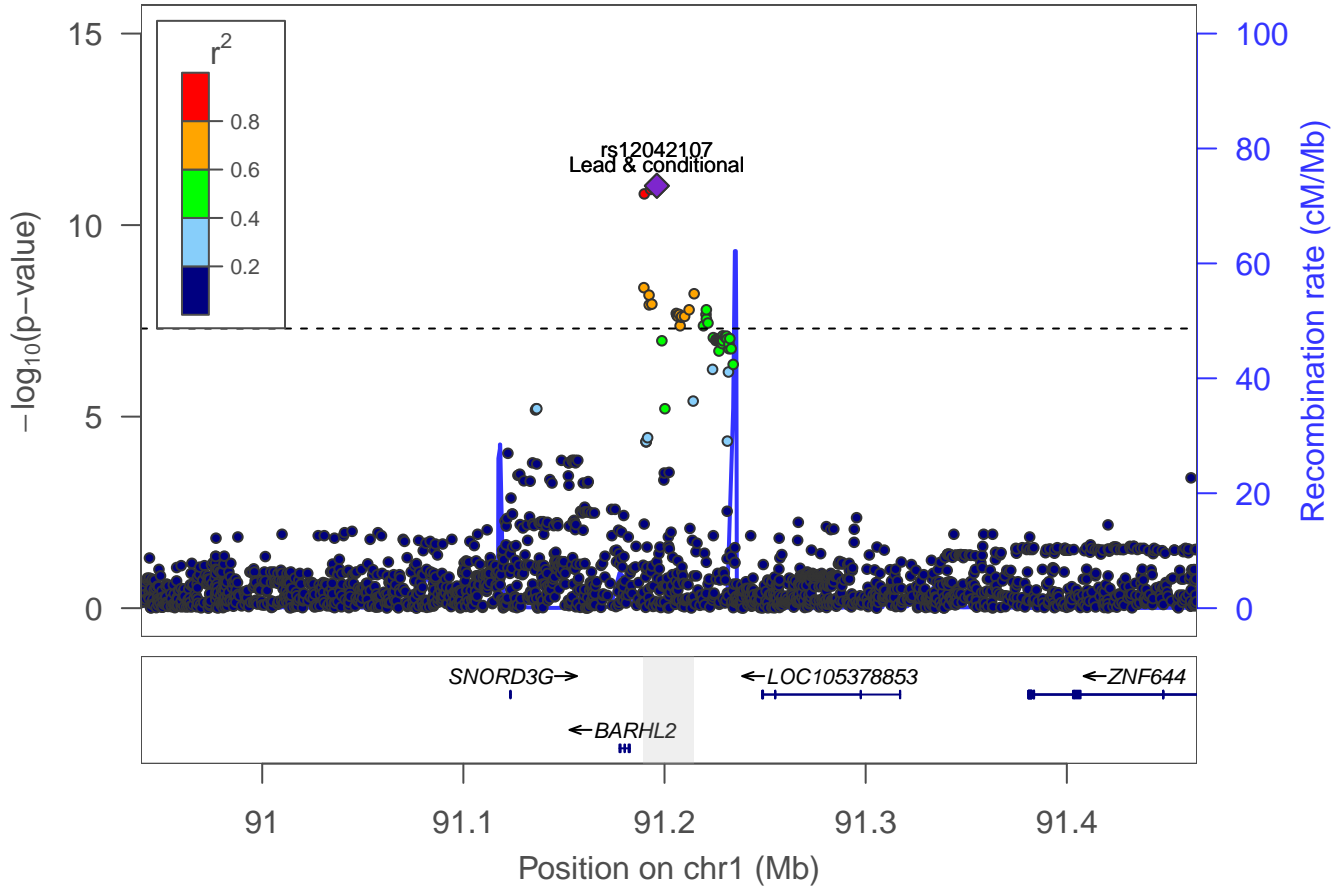
rs332828 ▲
rs446952 ●



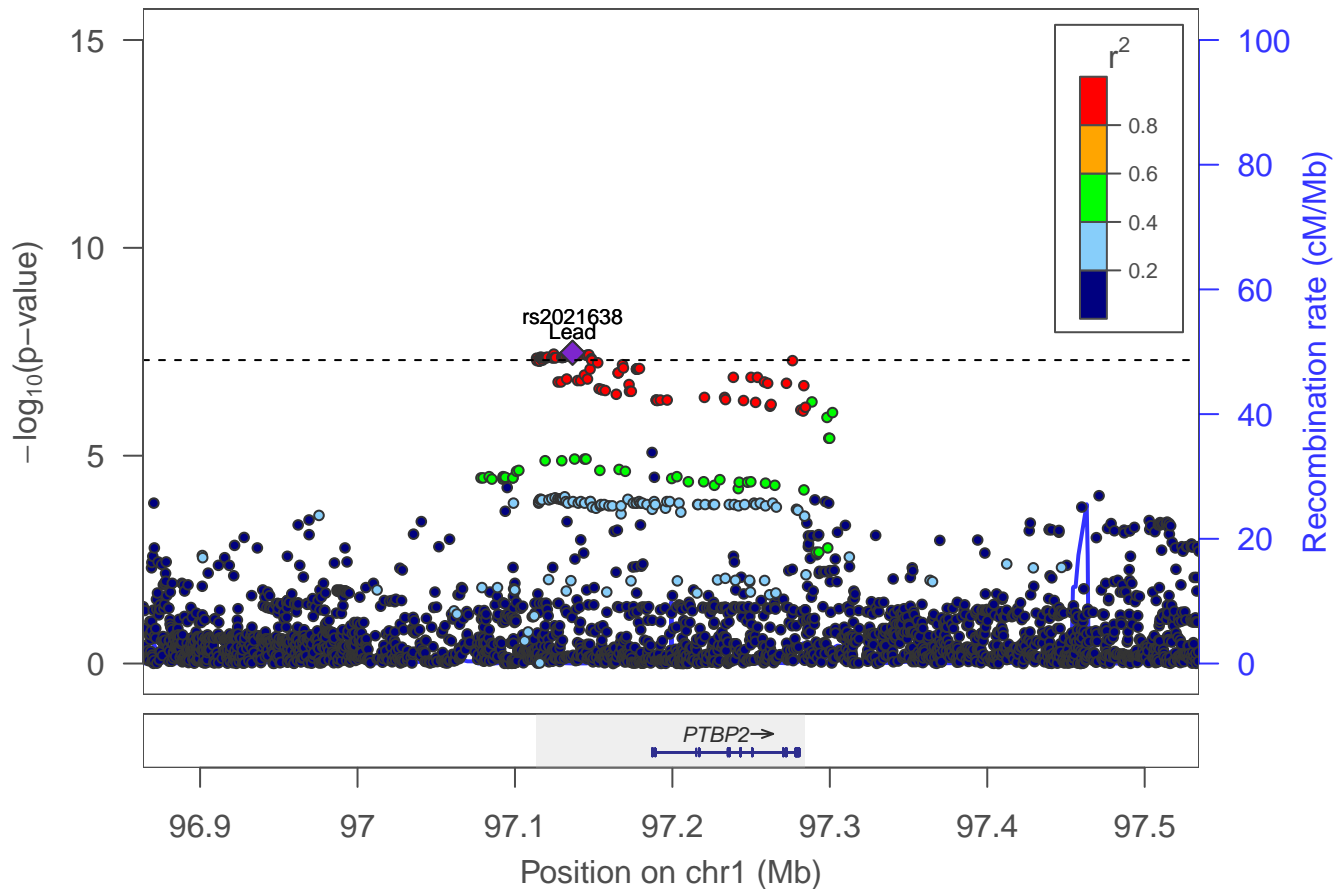
Number of sexual partners: locus 4 [chr 1:72.513–72.748Mb]



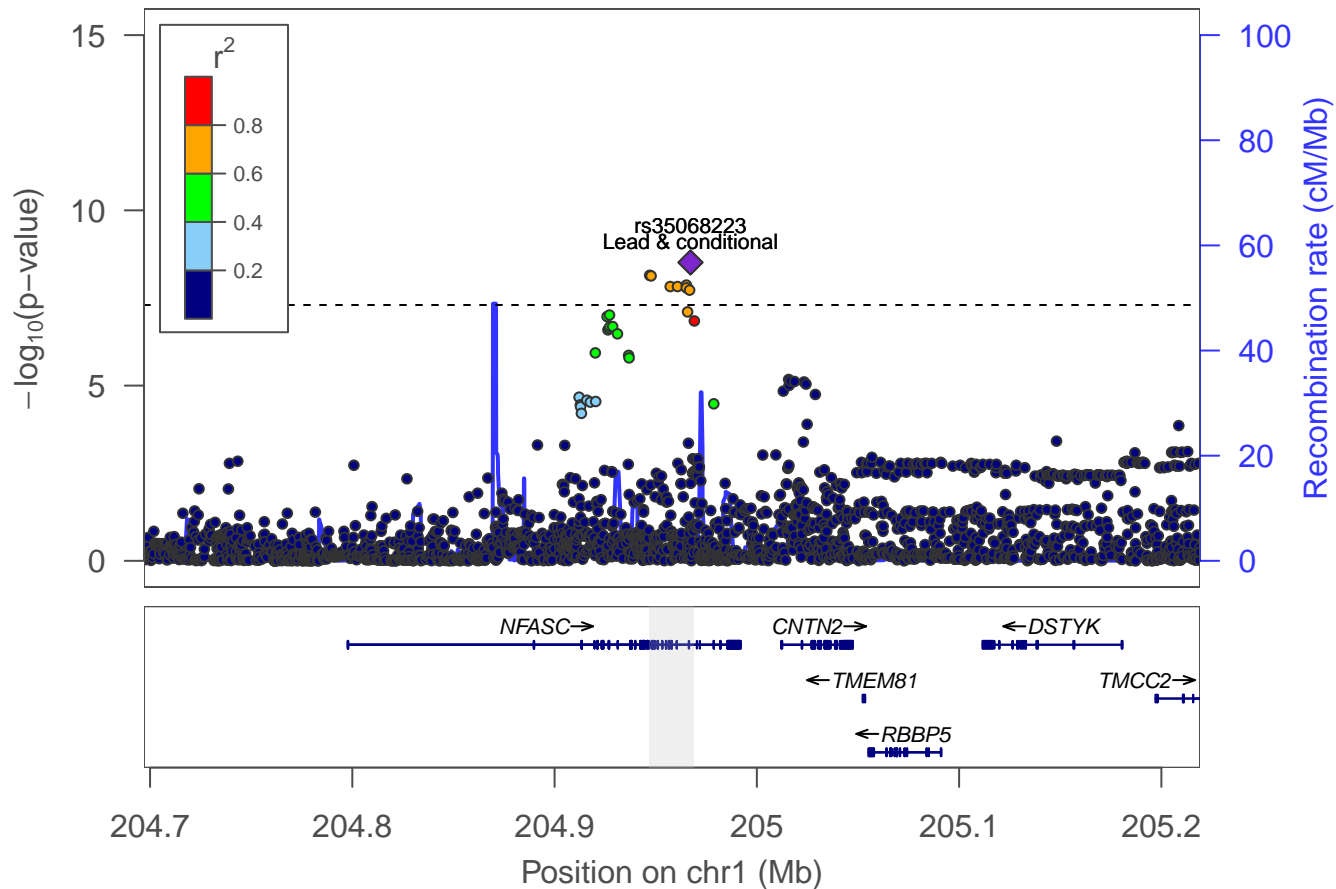
Number of sexual partners: locus 5 [chr 1:91.190–91.215Mb]



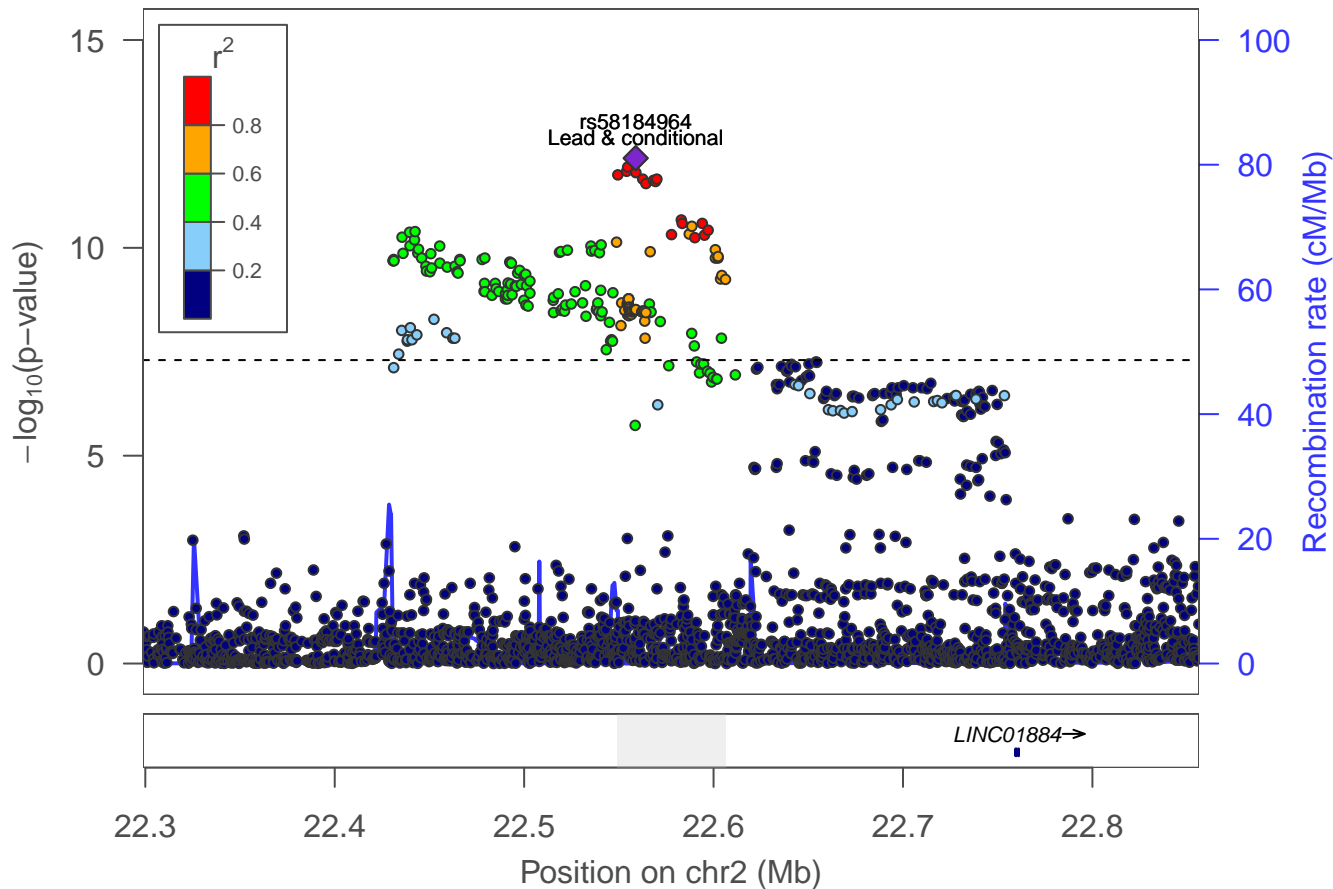
Number of sexual partners: locus 6 [chr 1:97.114–97.284Mb]



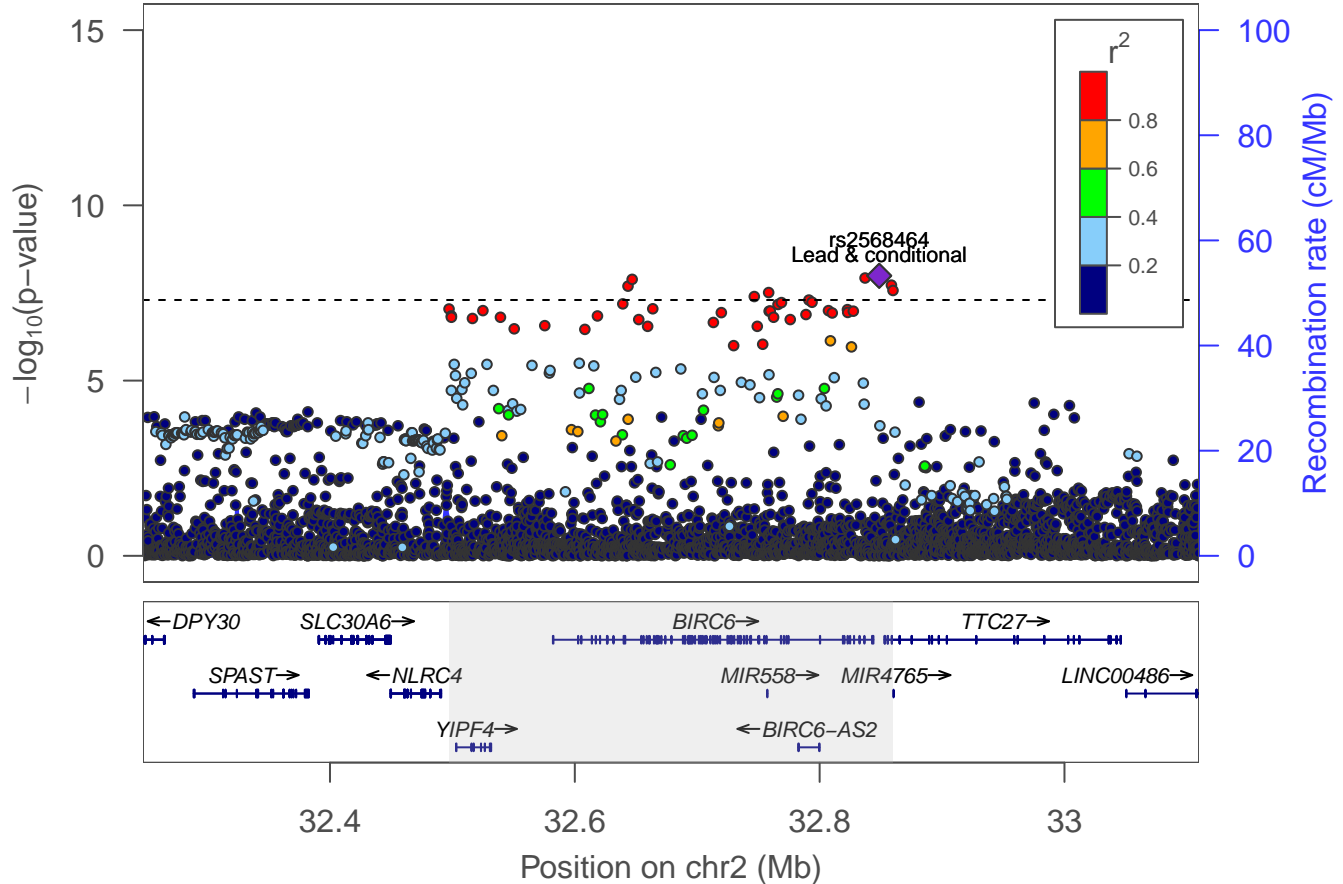
Number of sexual partners: locus 7 [chr 1:204.947–204.969Mb]



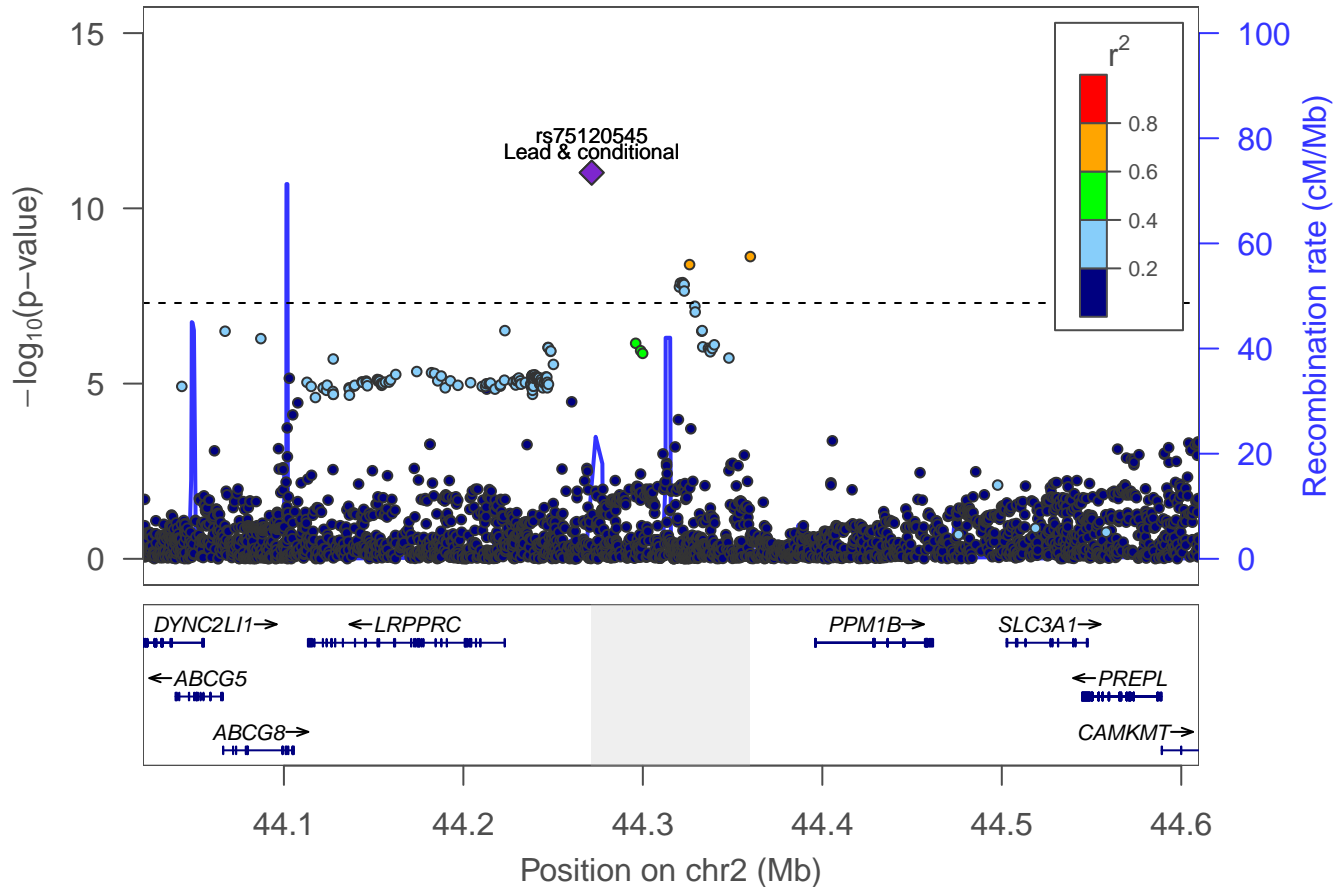
Number of sexual partners: locus 8 [chr 2:22.549–22.606Mb]



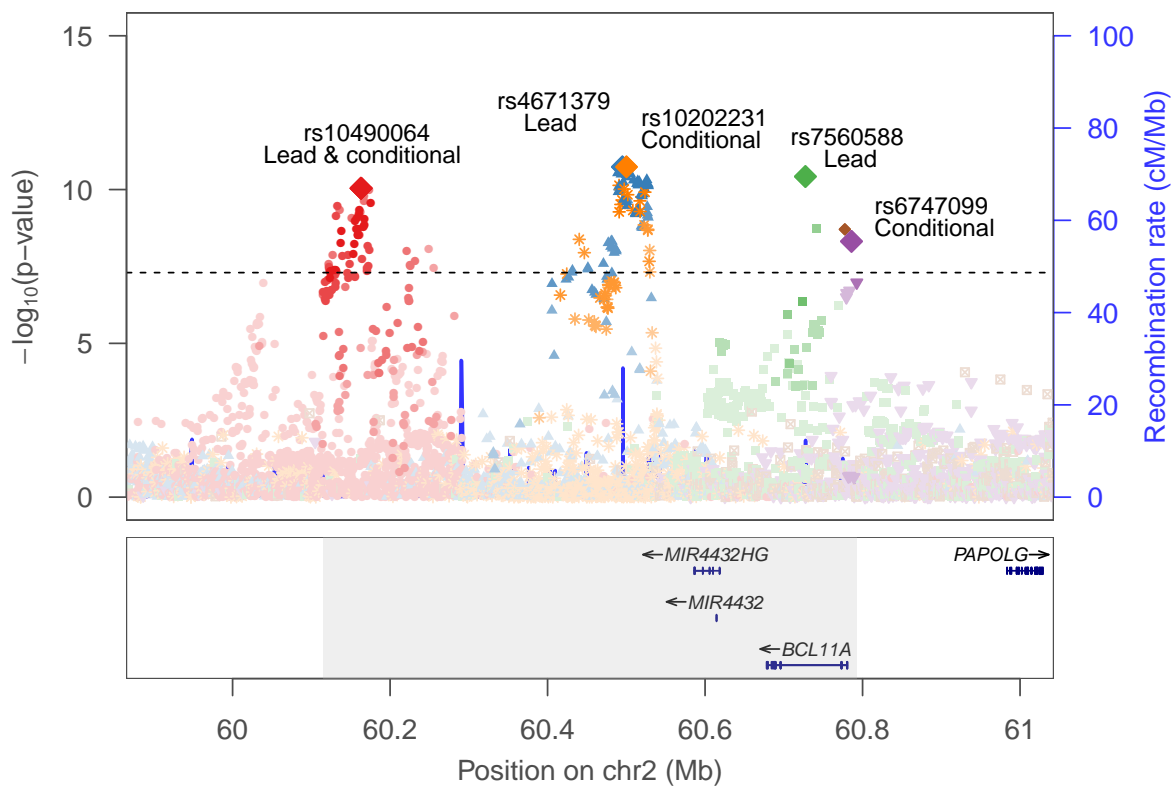
Number of sexual partners: locus 9 [chr 2:32.497–32.860Mb]









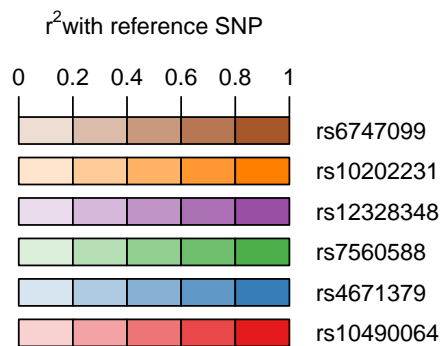
Number of sexual partners: locus 10 [chr 2:44.271–44.360Mb]



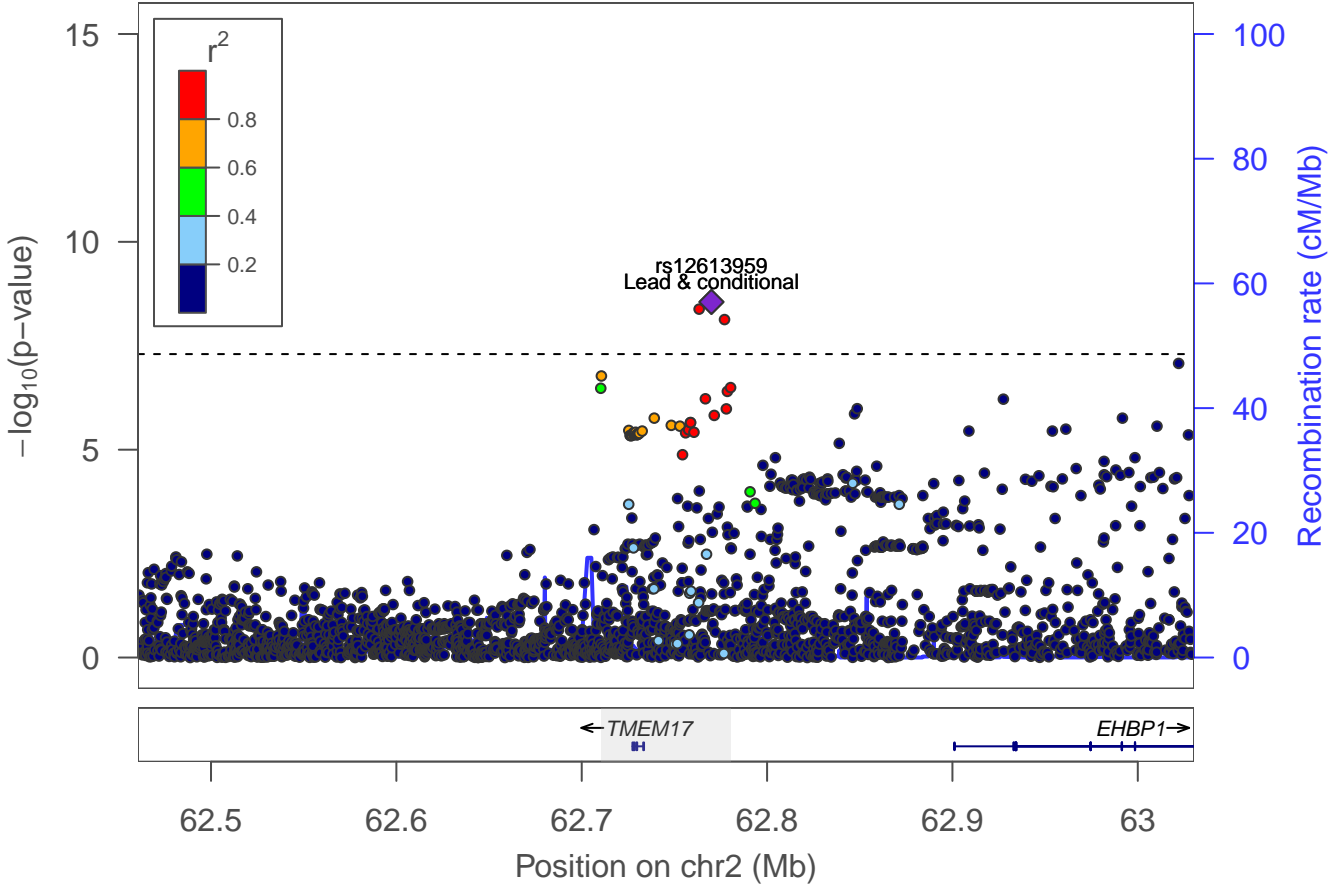
Number of sexual partners: Locus 11 [chr 2: 60.115–60.793Mb]



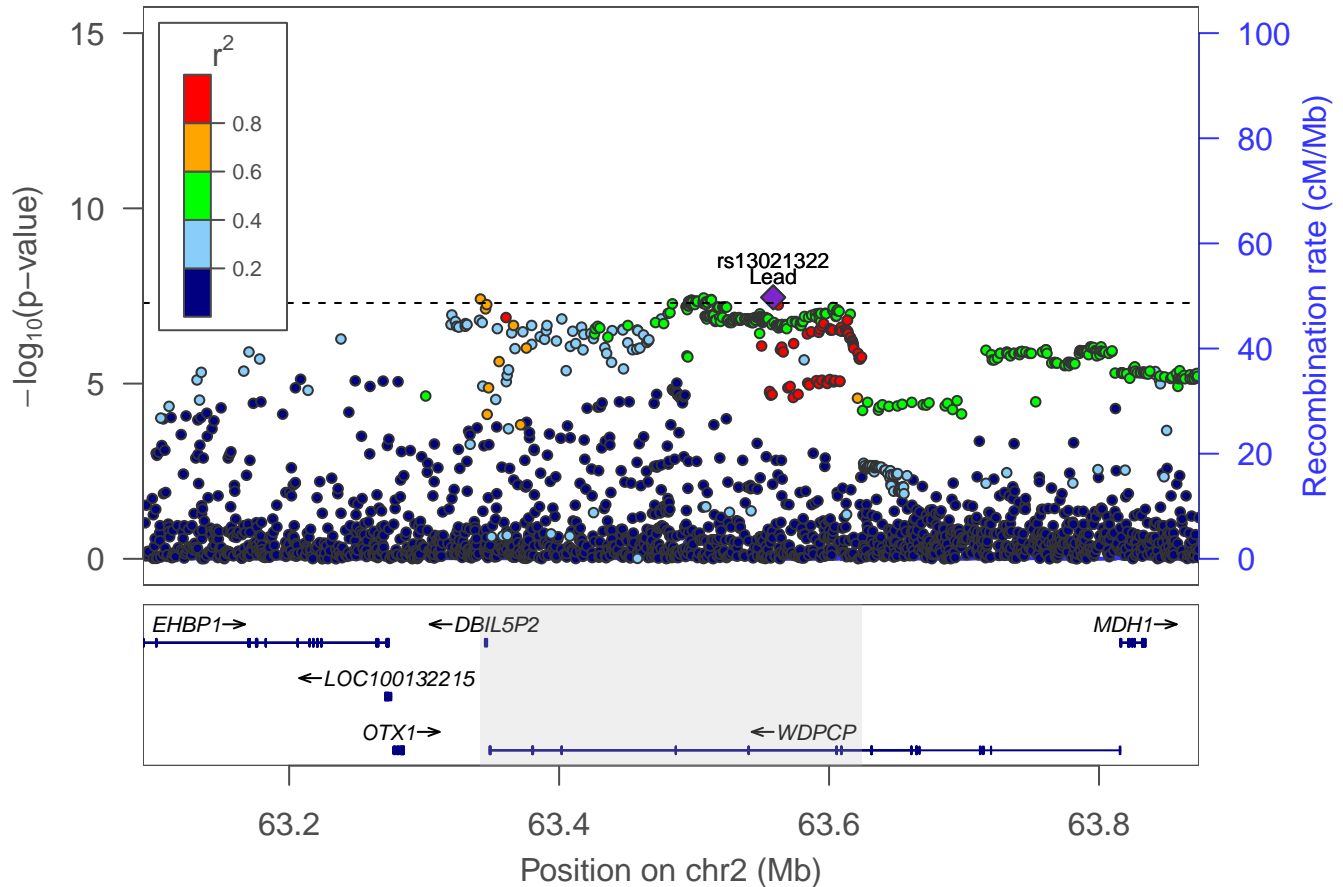
rs6747099 
 rs10202231 
 rs12328348 
 rs7560588 
 rs4671379 
 rs10490064 



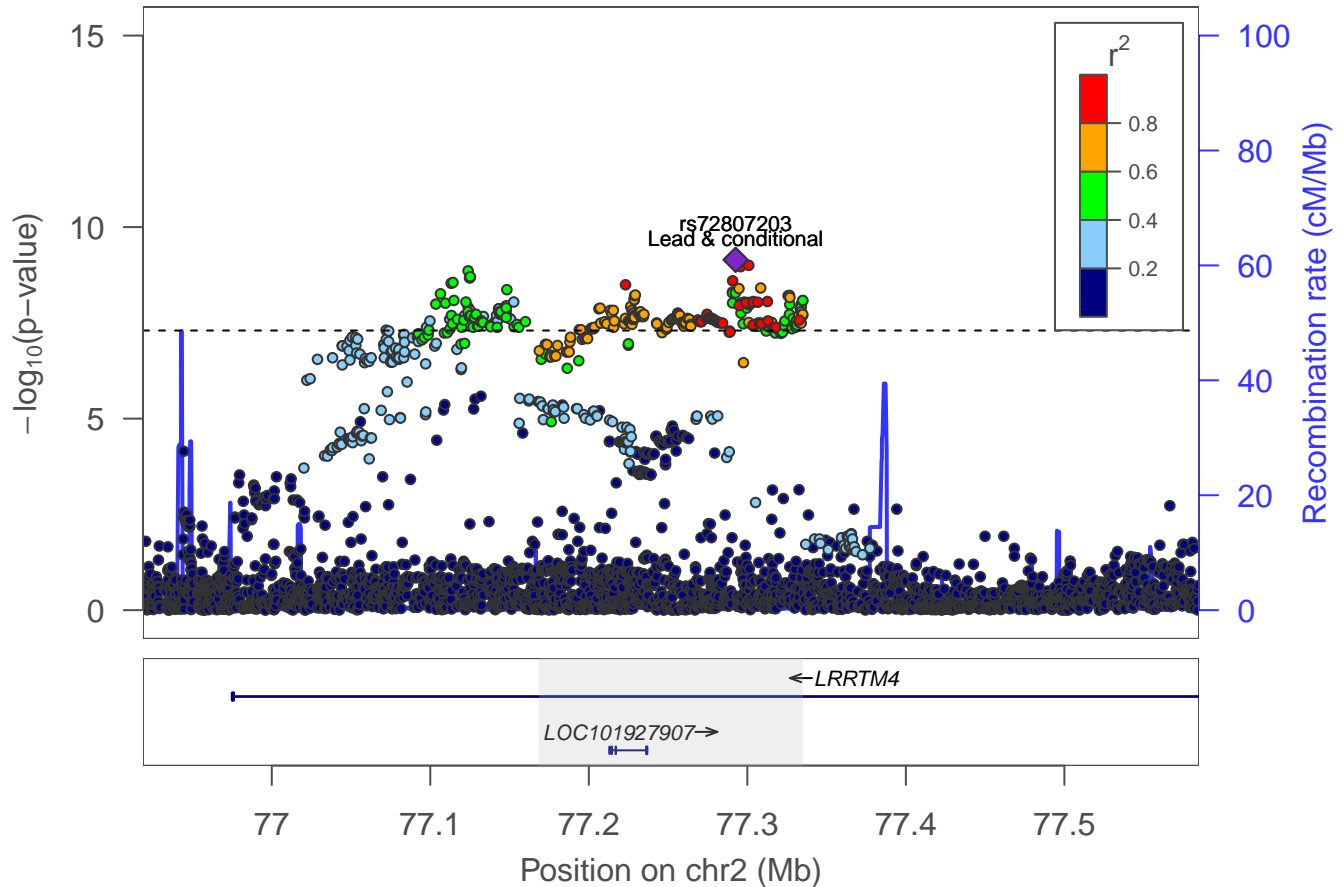
Number of sexual partners: locus 12 [chr 2:62.711–62.780Mb]



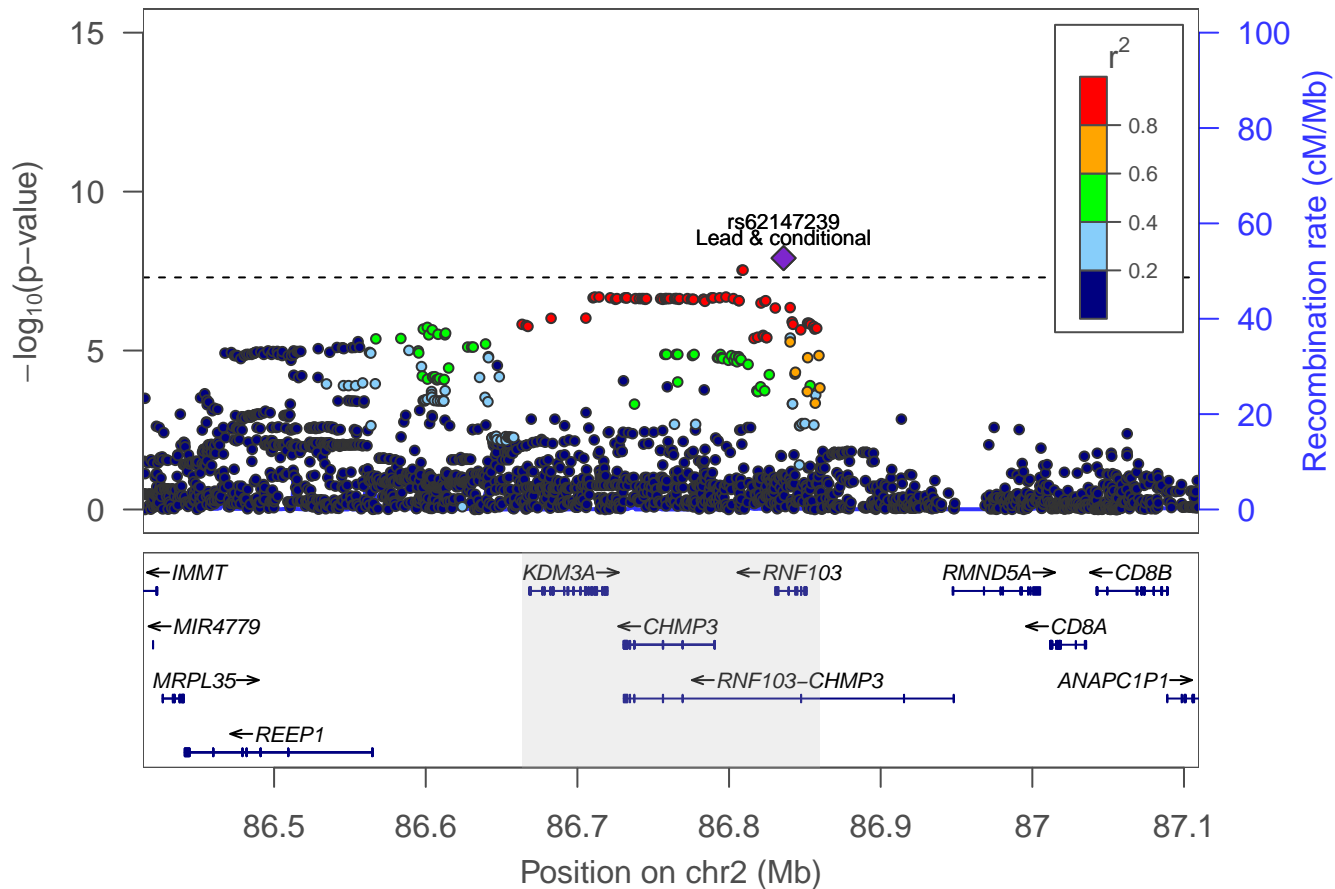
Number of sexual partners: locus 13 [chr 2:63.342–63.624Mb]



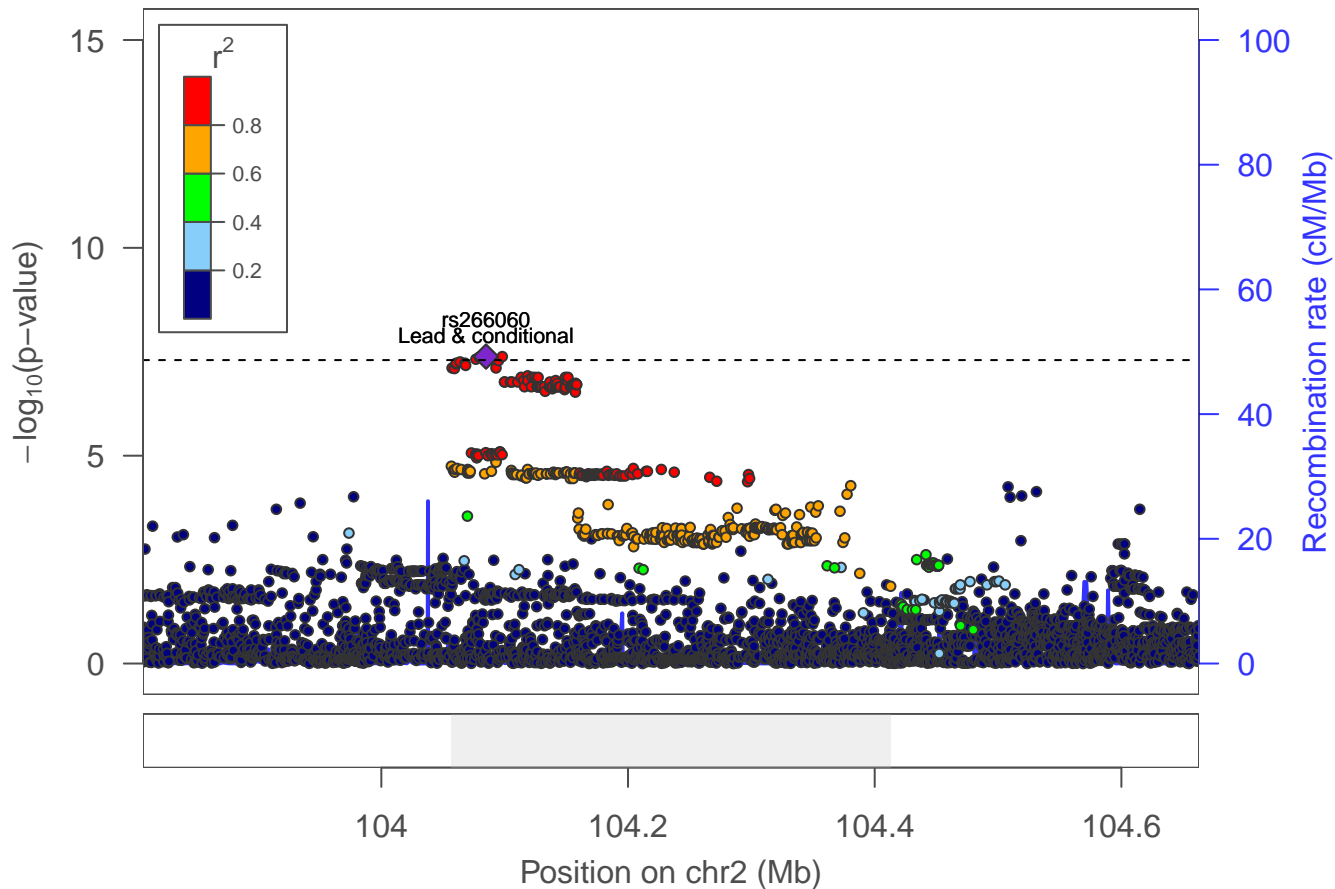
Number of sexual partners: locus 14 [chr 2:77.169–77.335Mb]



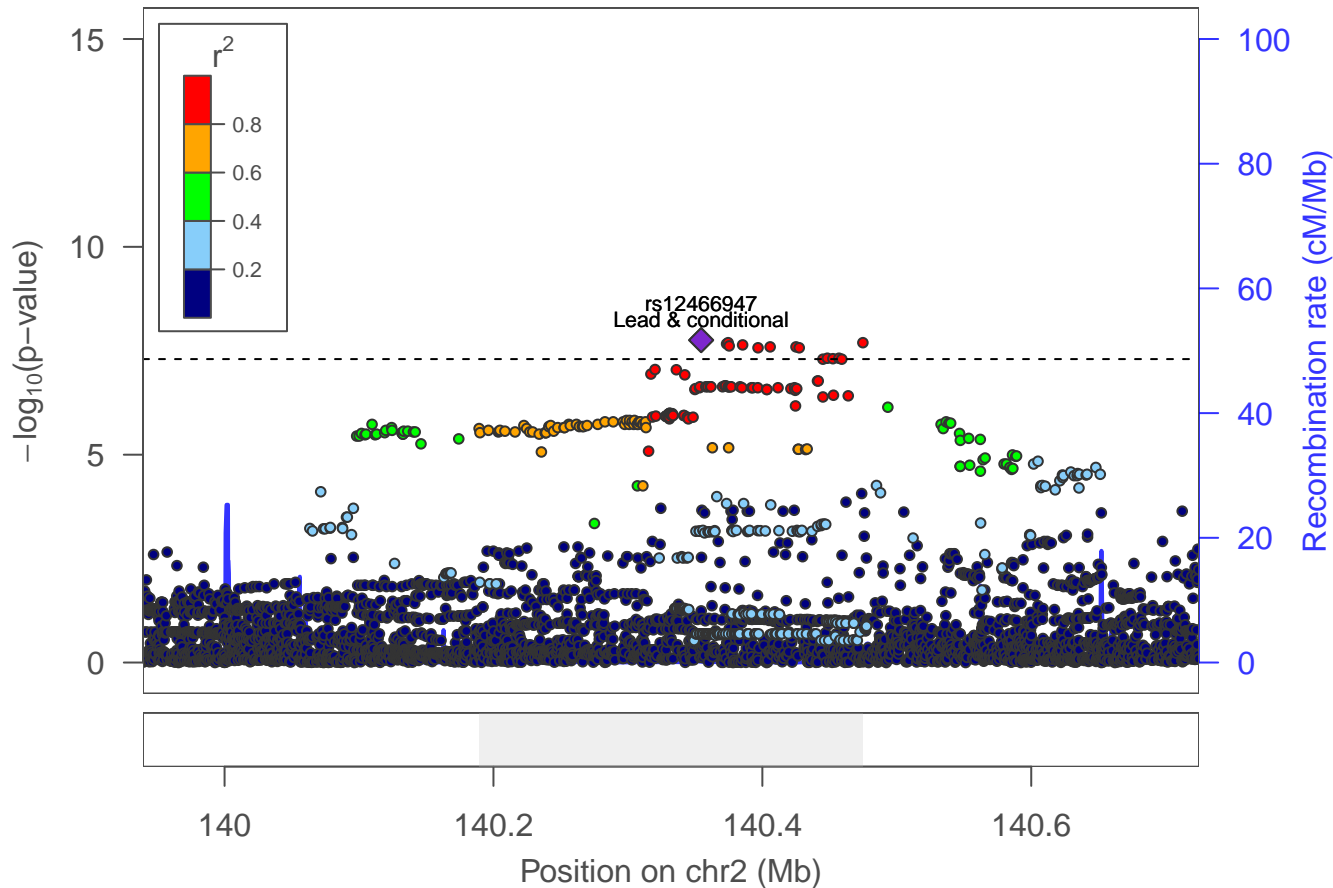
Number of sexual partners: locus 15 [chr 2:86.664–86.860Mb]



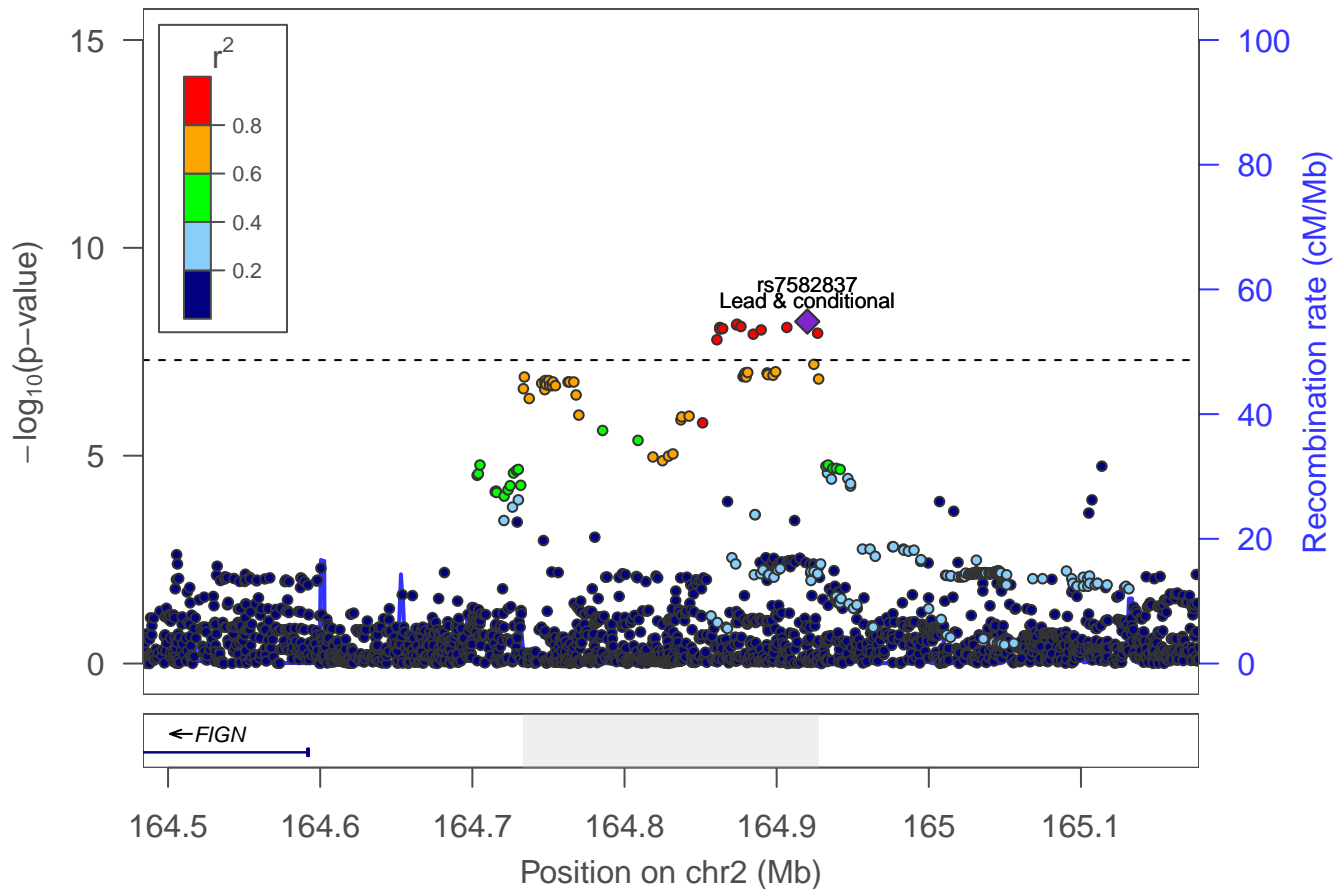
Number of sexual partners: locus 16 [chr 2:104.057–104.413Mb]



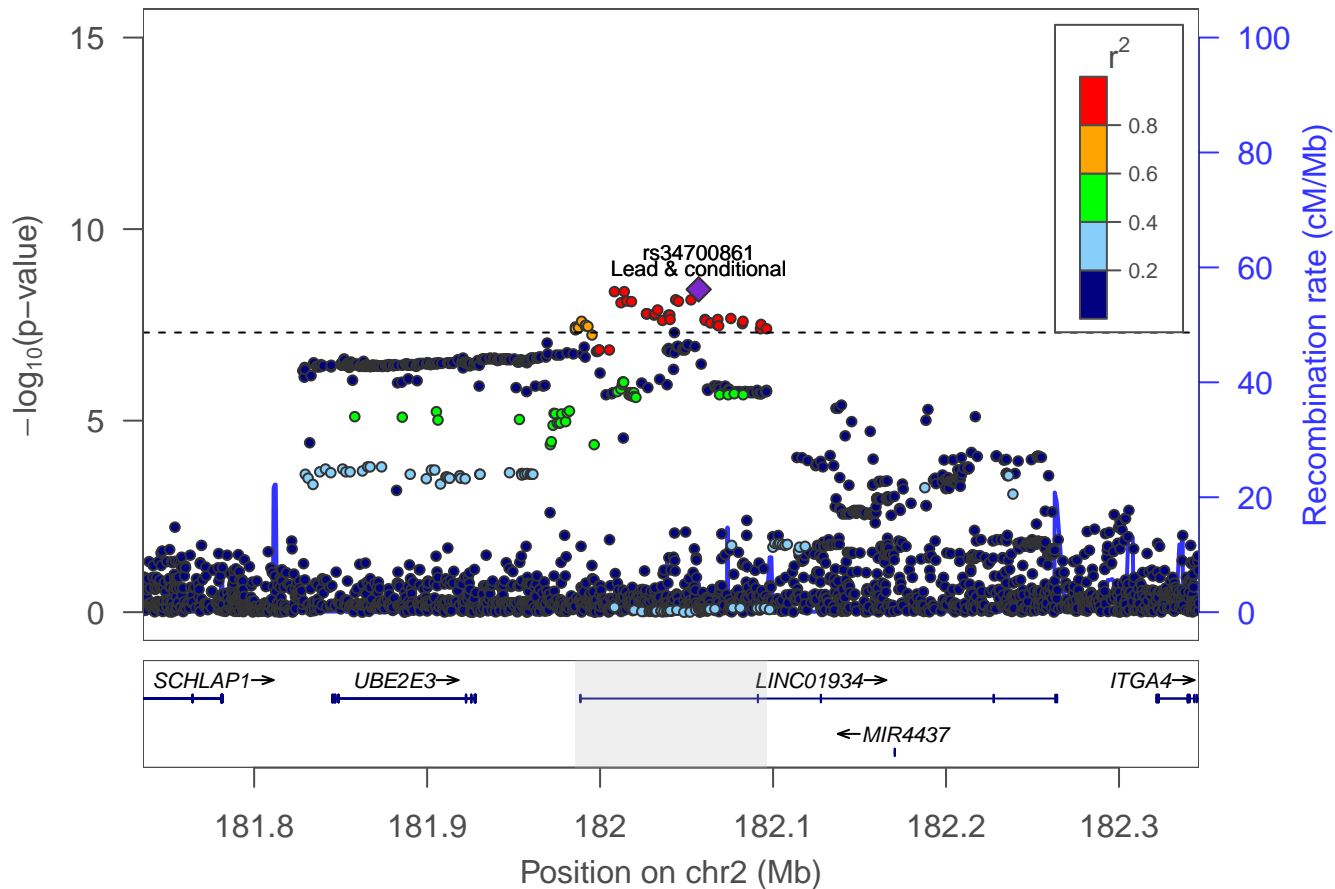
Number of sexual partners: locus 17 [chr 2:140.189–140.475Mb]



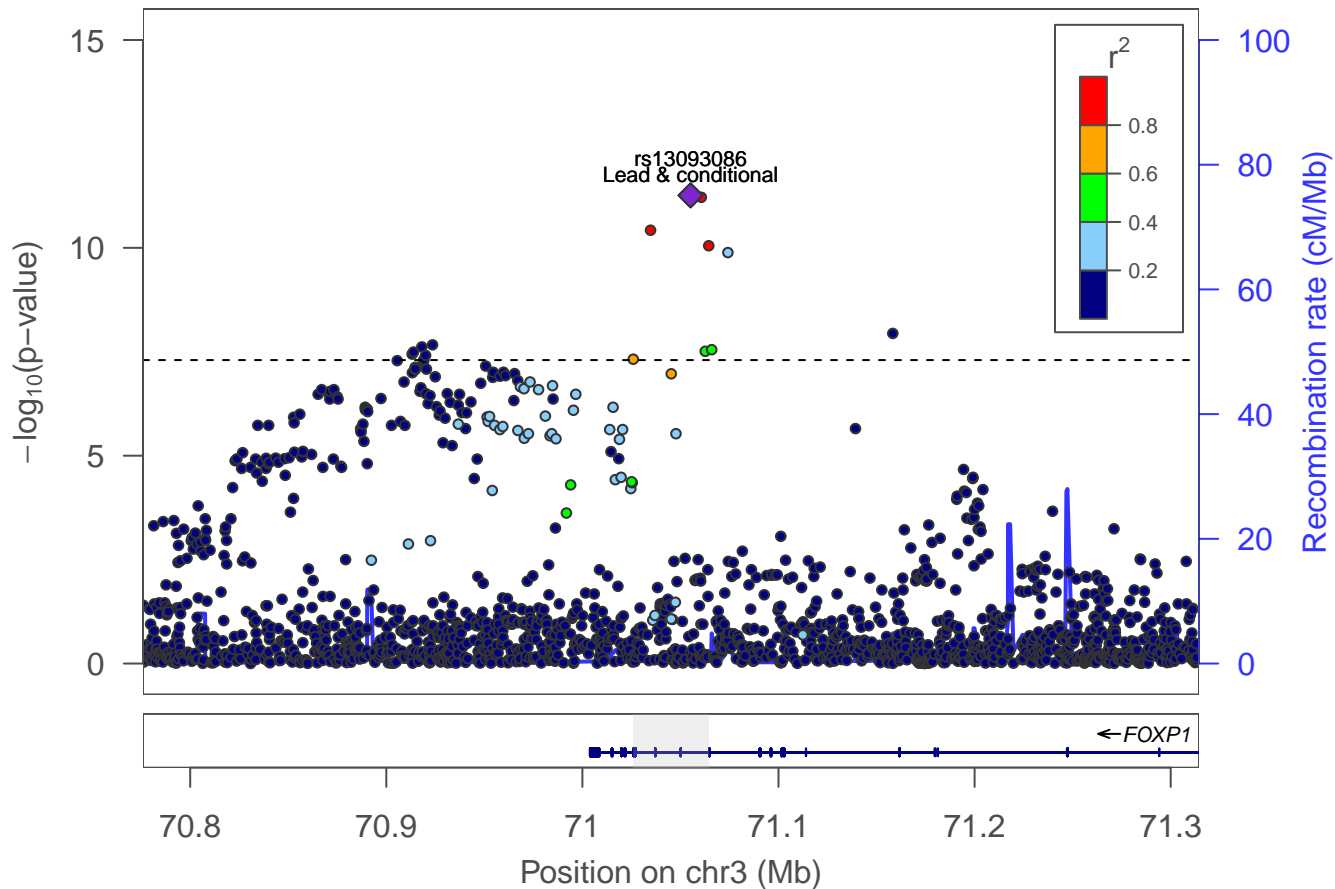
Number of sexual partners: locus 18 [chr 2:164.734–164.928Mb]



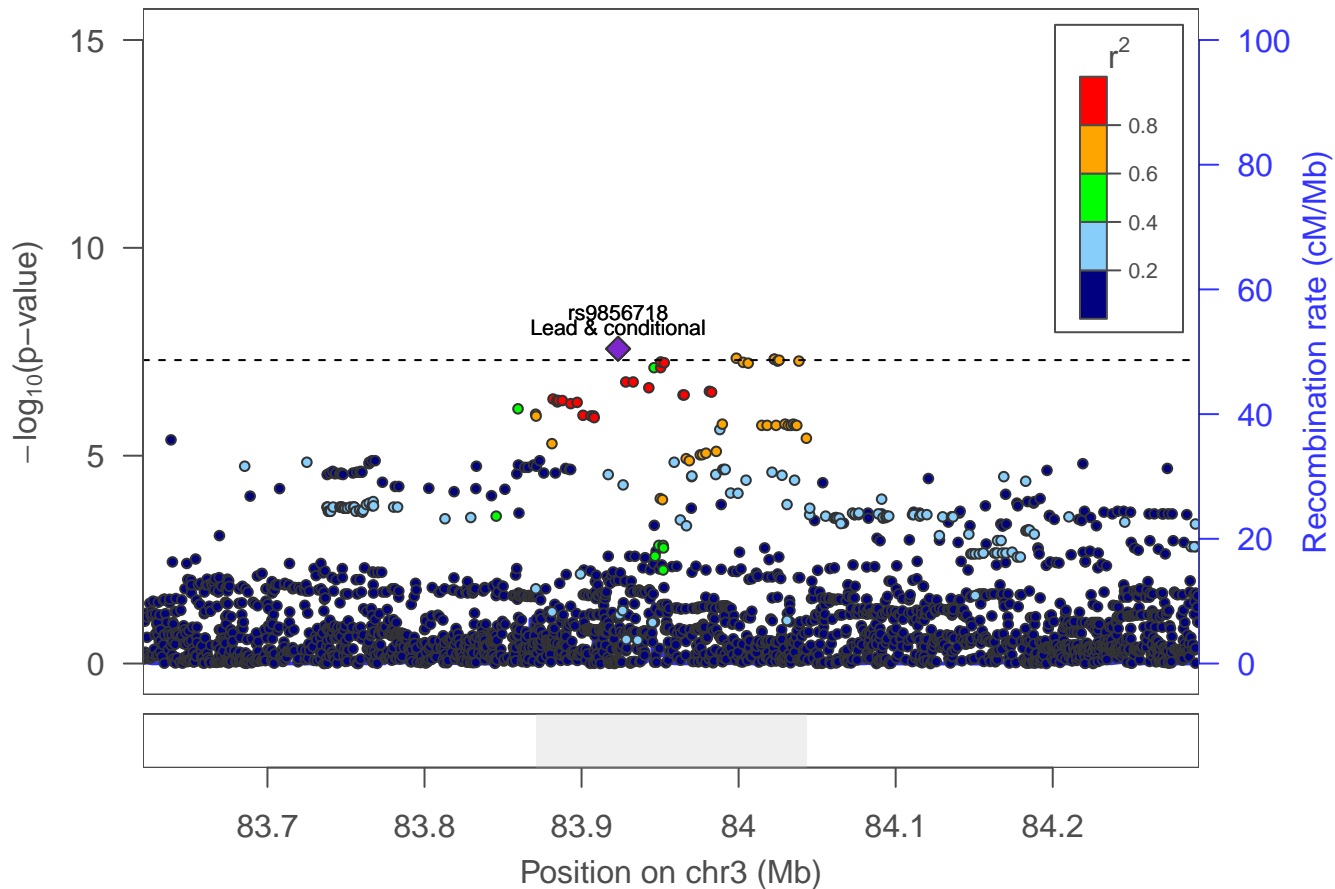
Number of sexual partners: locus 19 [chr 2:181.986–182.096Mb]



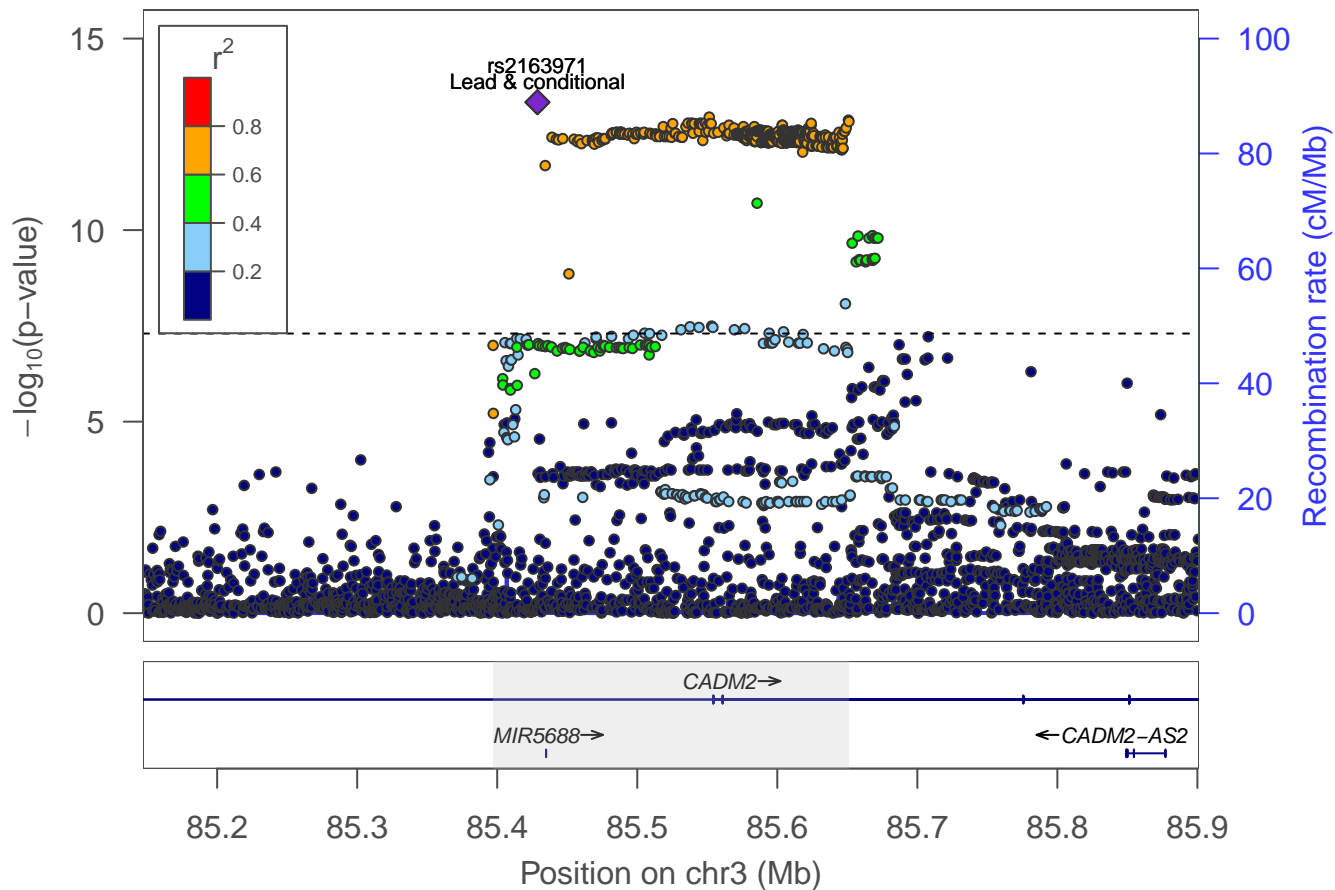
Number of sexual partners: locus 20 [chr 3:71.026–71.064Mb]



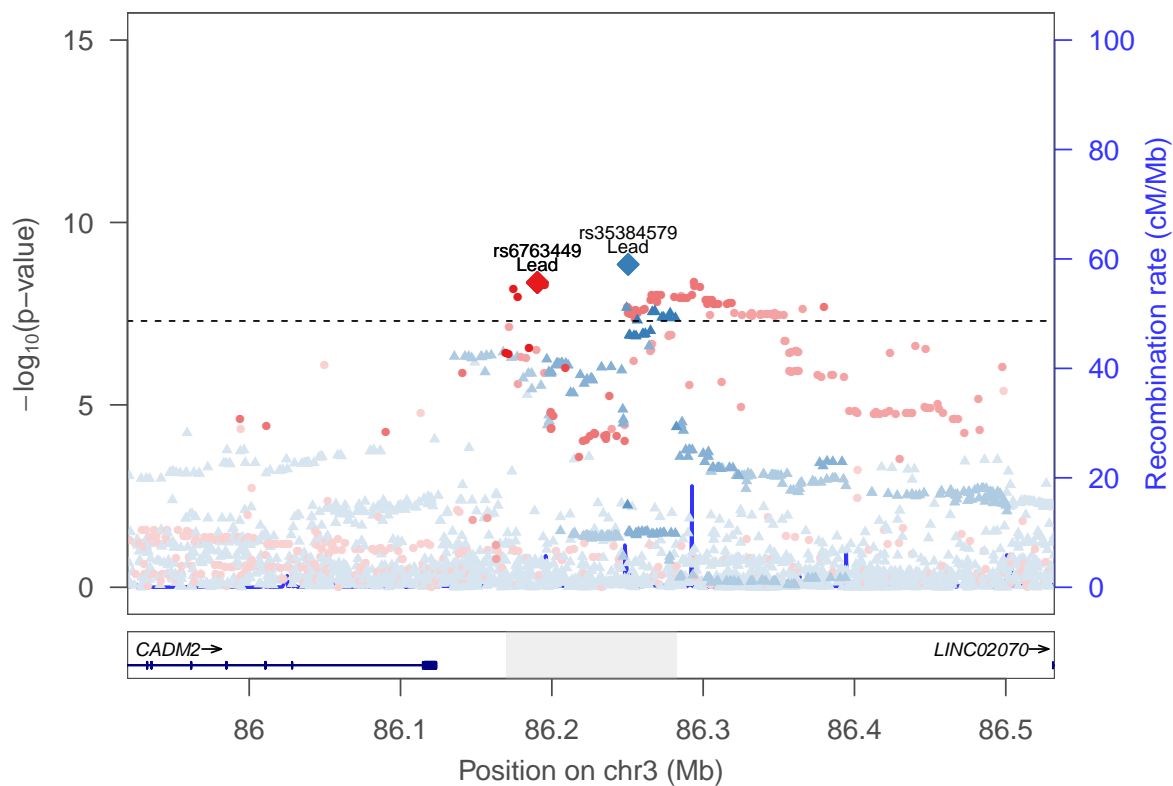
Number of sexual partners: locus 21 [chr 3:83.871–84.043Mb]



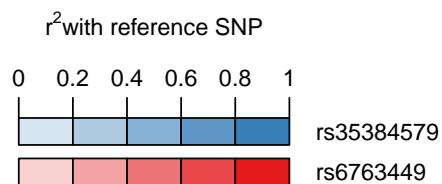
Number of sexual partners: locus 22 [chr 3:85.397–85.651Mb]



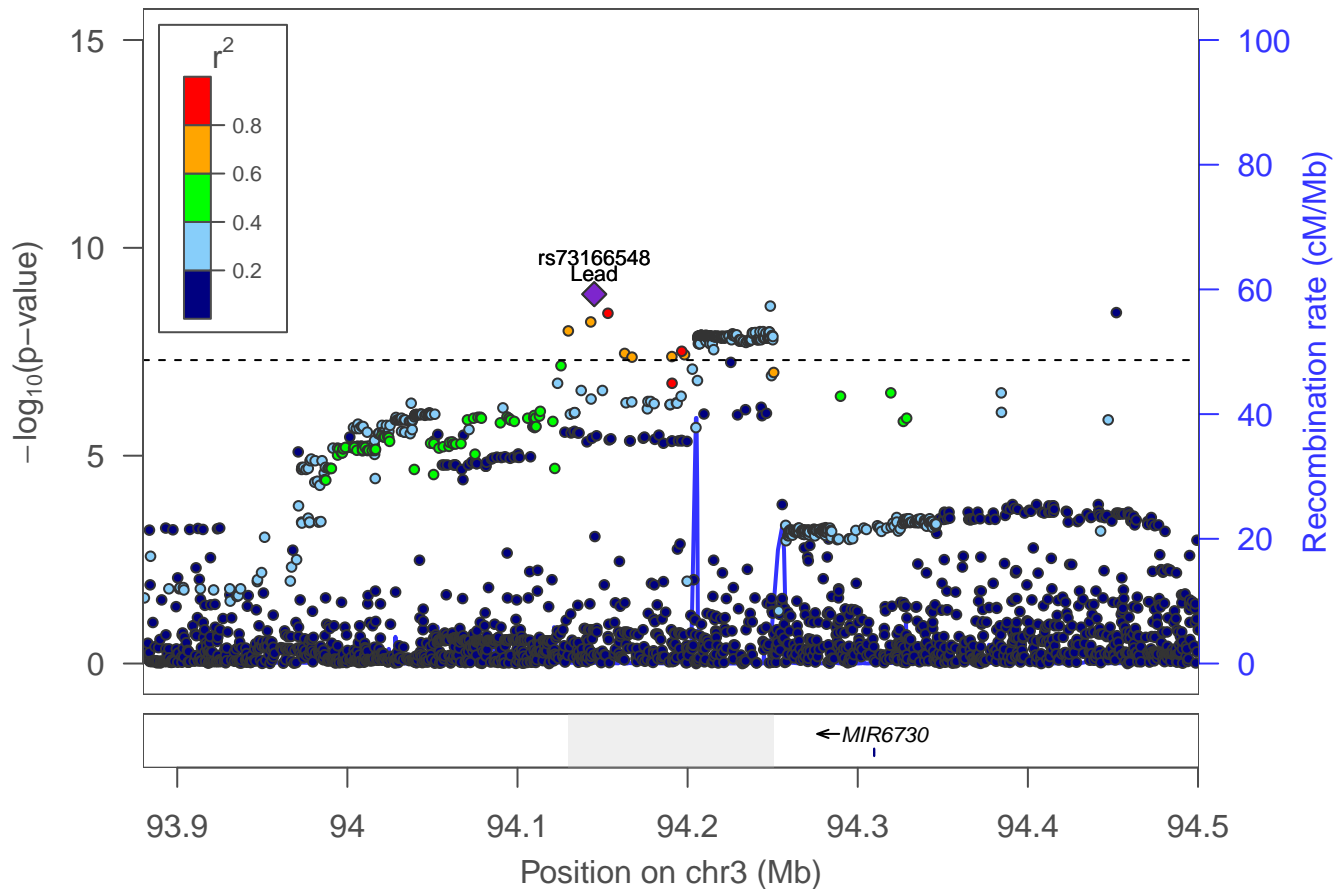
Number of sexual partners: Locus 23 [chr 3: 86.169–86.282Mb]



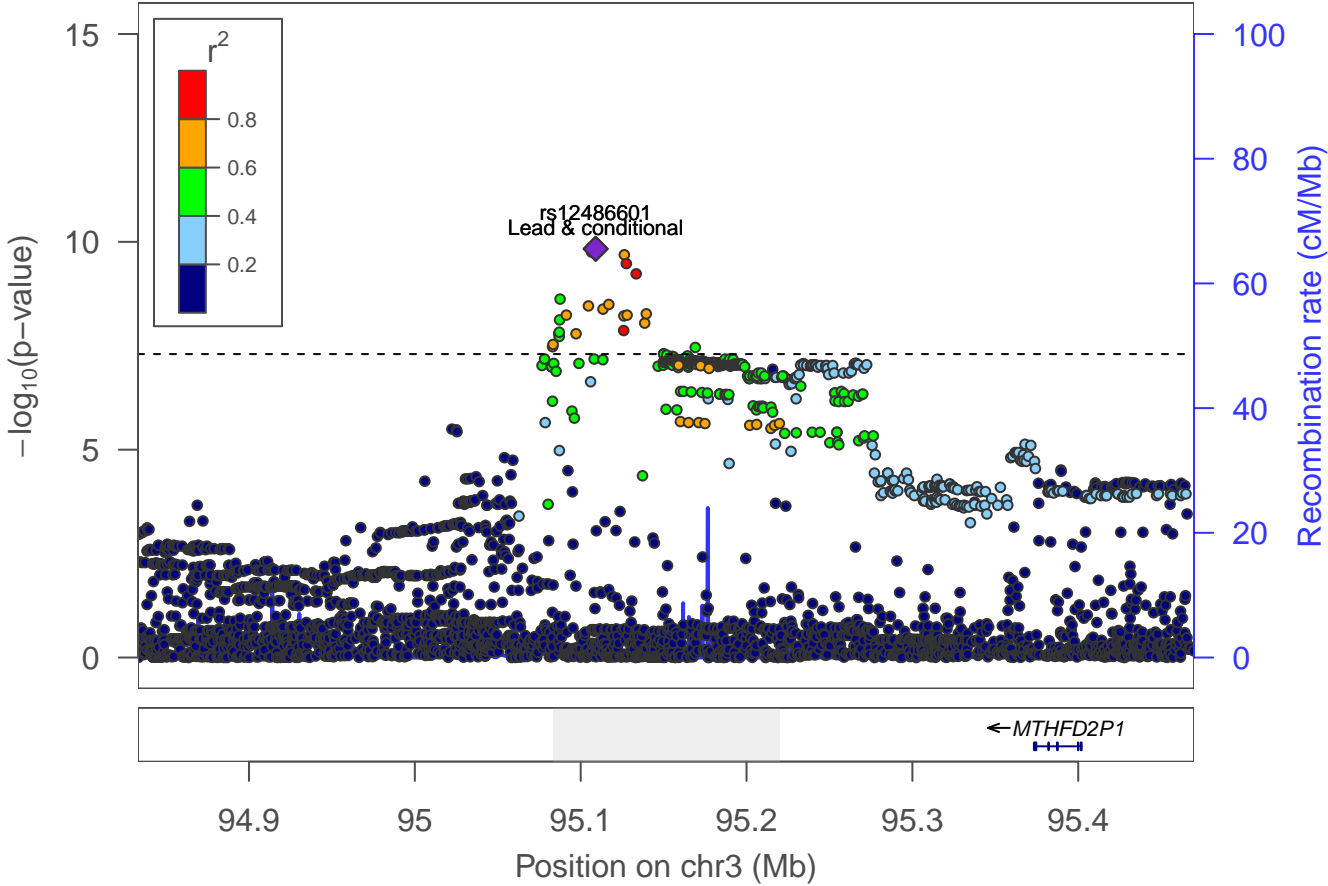
rs35384579 ▲
rs6763449 ●



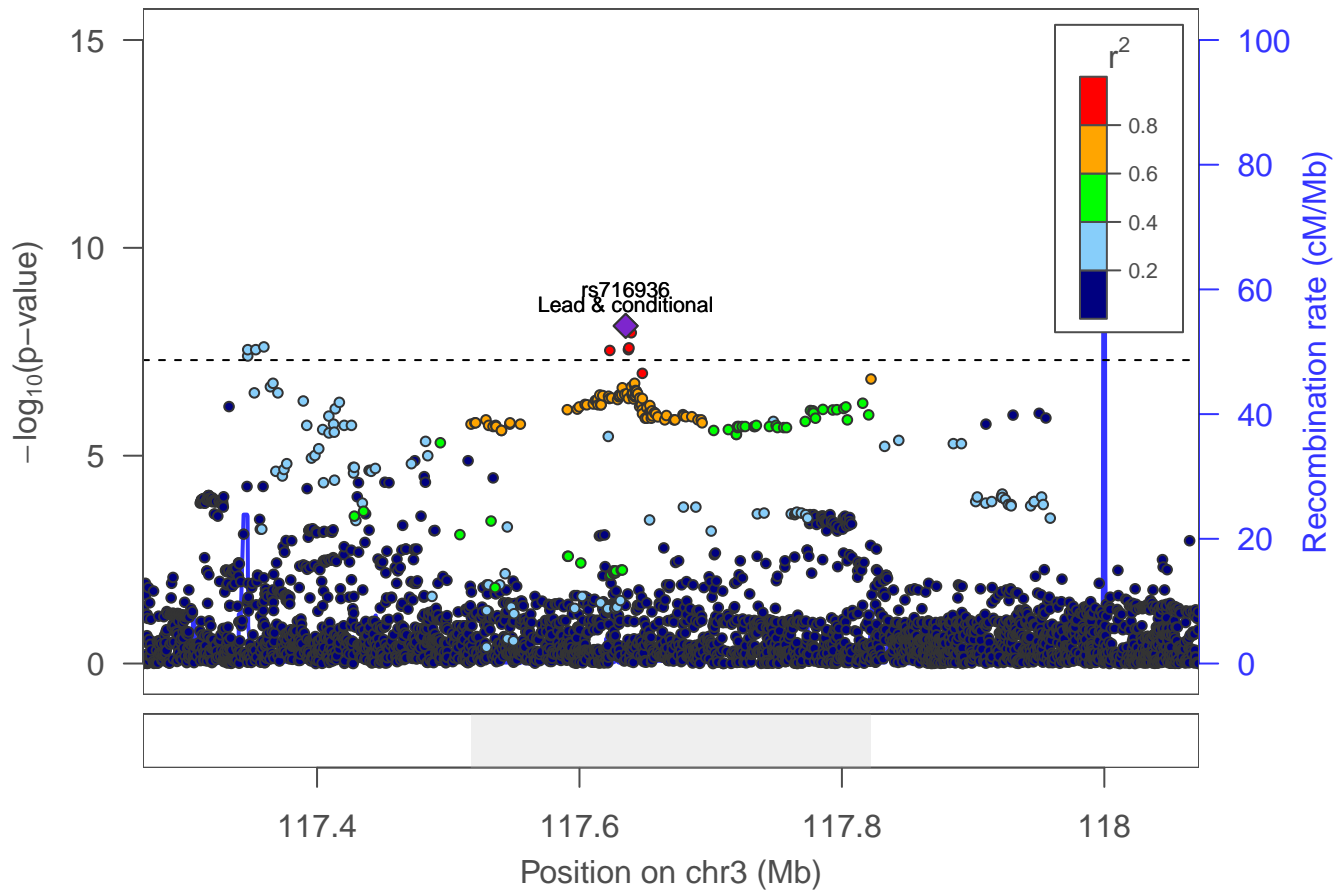
Number of sexual partners: locus 24 [chr 3:94.130–94.251Mb]



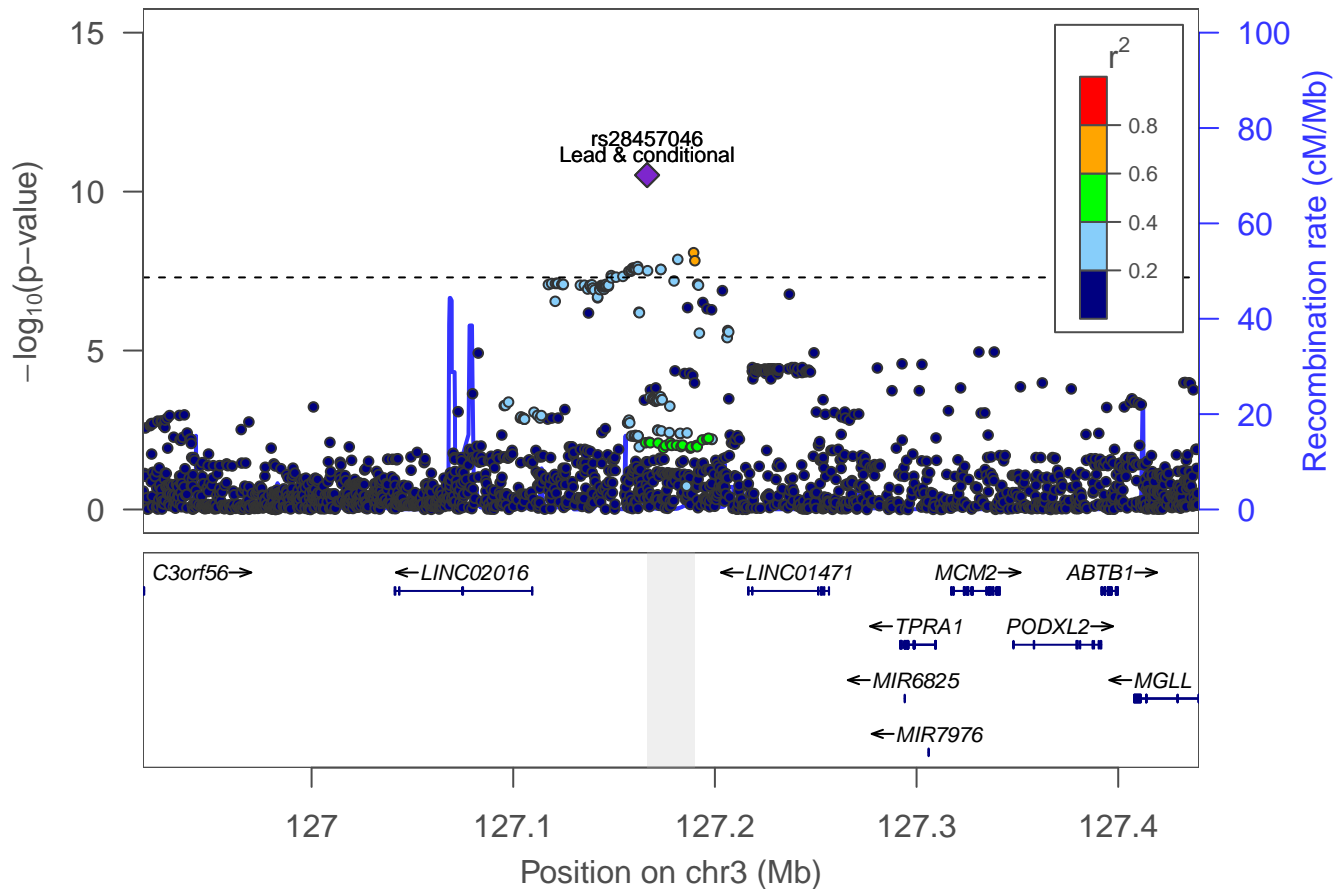
Number of sexual partners: locus 25 [chr 3:95.083–95.220Mb]



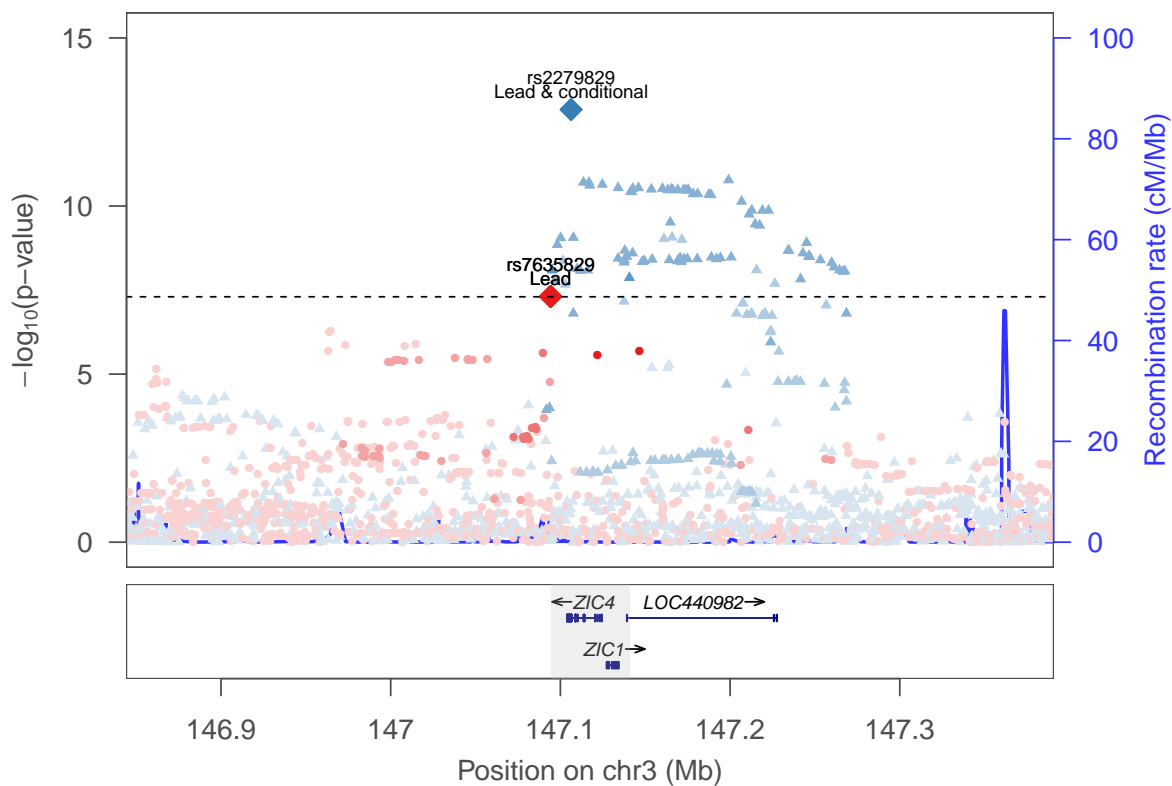
Number of sexual partners: locus 26 [chr 3:117.517–117.822Mb]



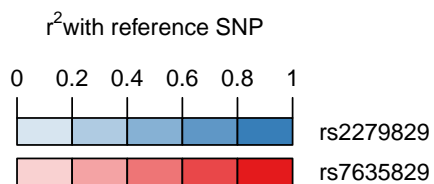
Number of sexual partners: locus 27 [chr 3:127.166–127.190Mb]



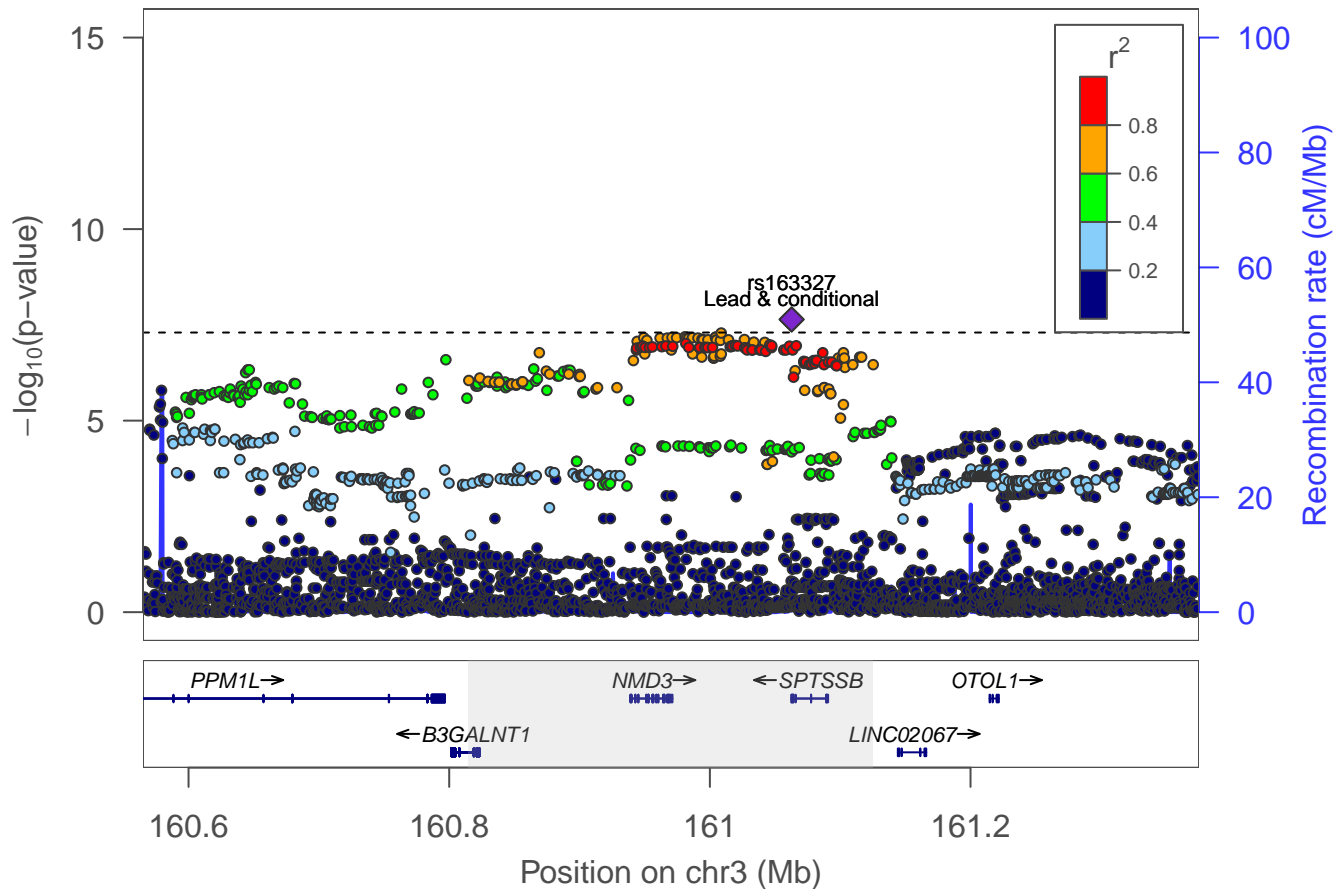
Number of sexual partners: Locus 28 [chr 3: 147.094–147.141Mb]



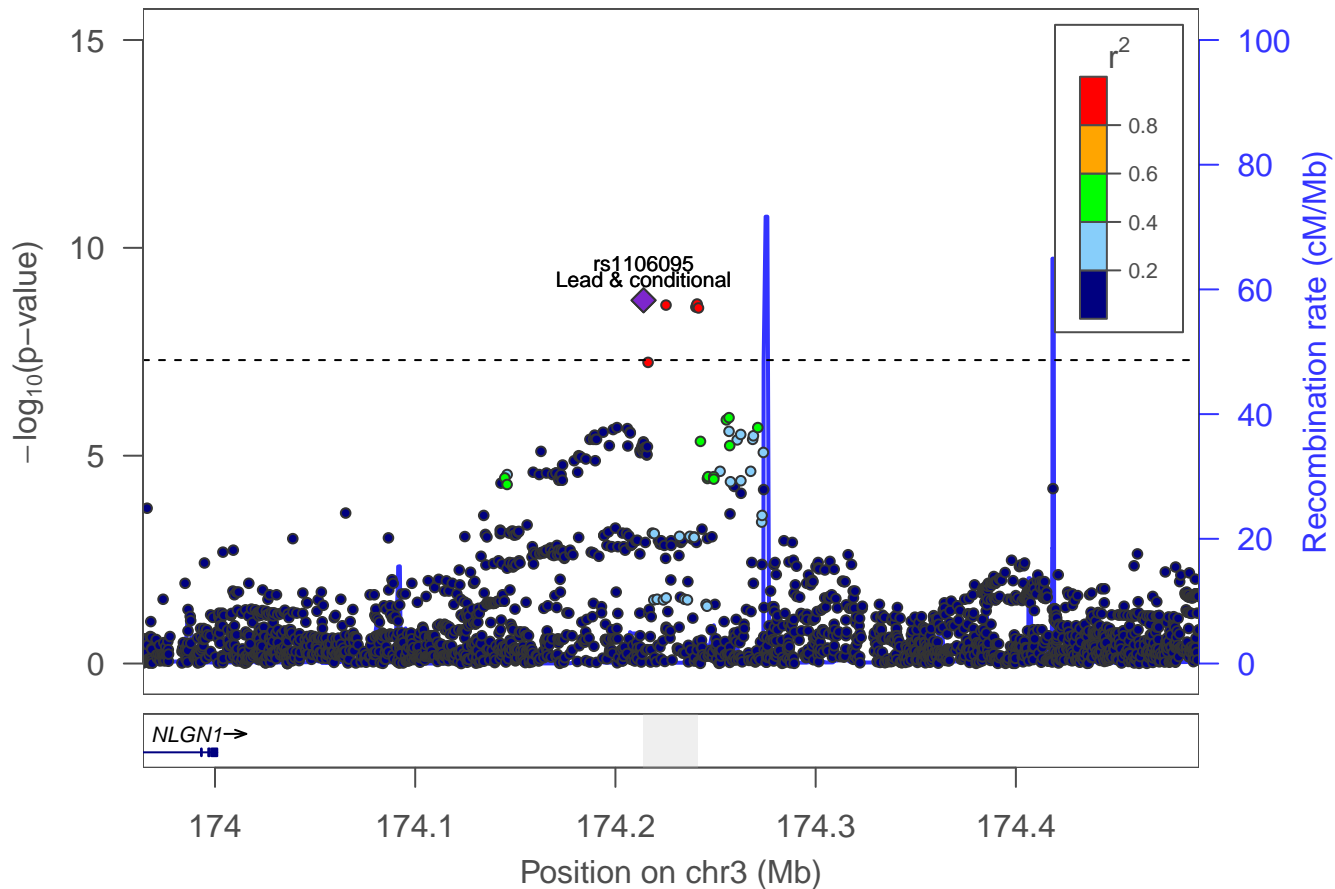
rs2279829 ▲
 rs7635829 ●



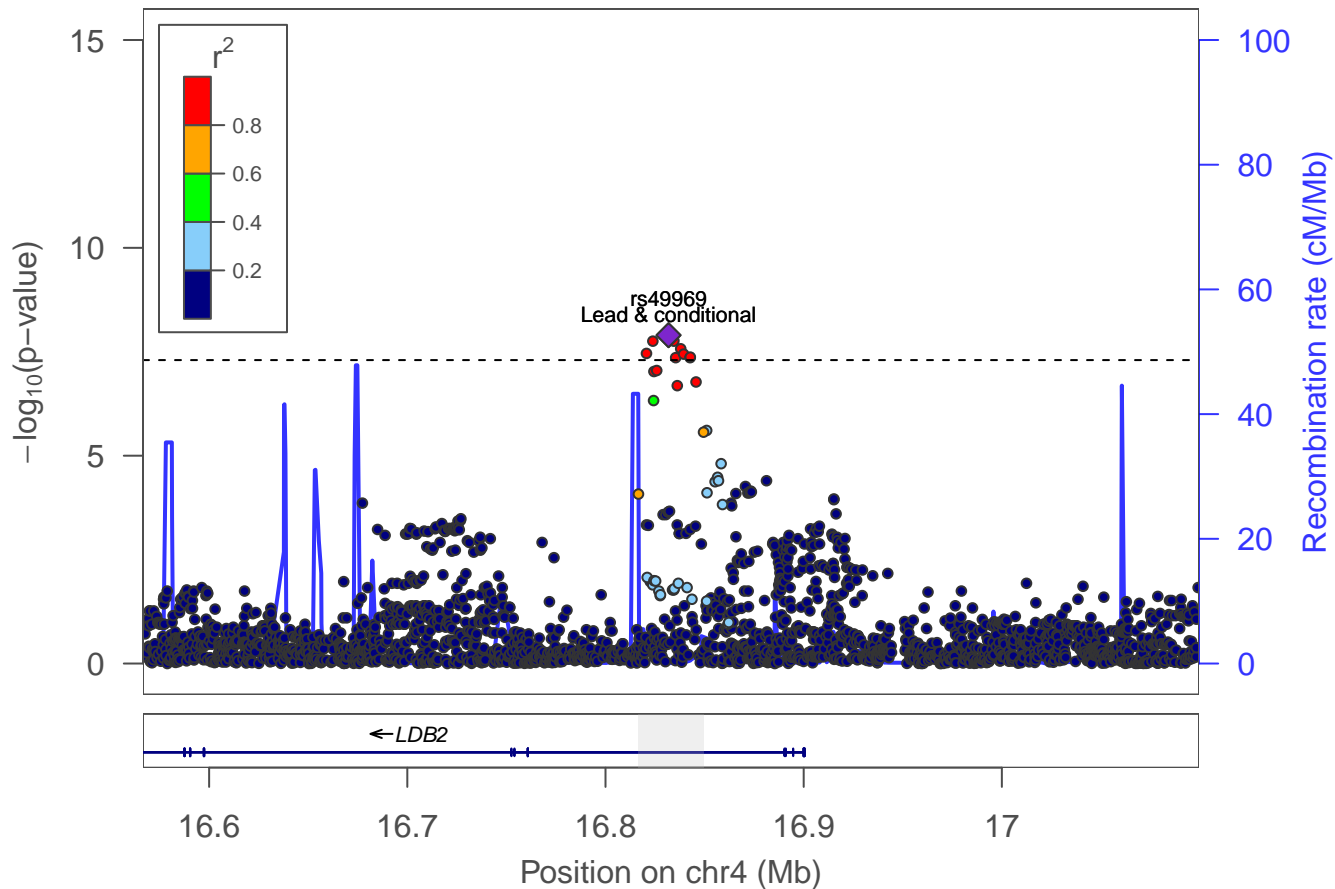
Number of sexual partners: locus 29 [chr 3:160.815–161.125Mb]



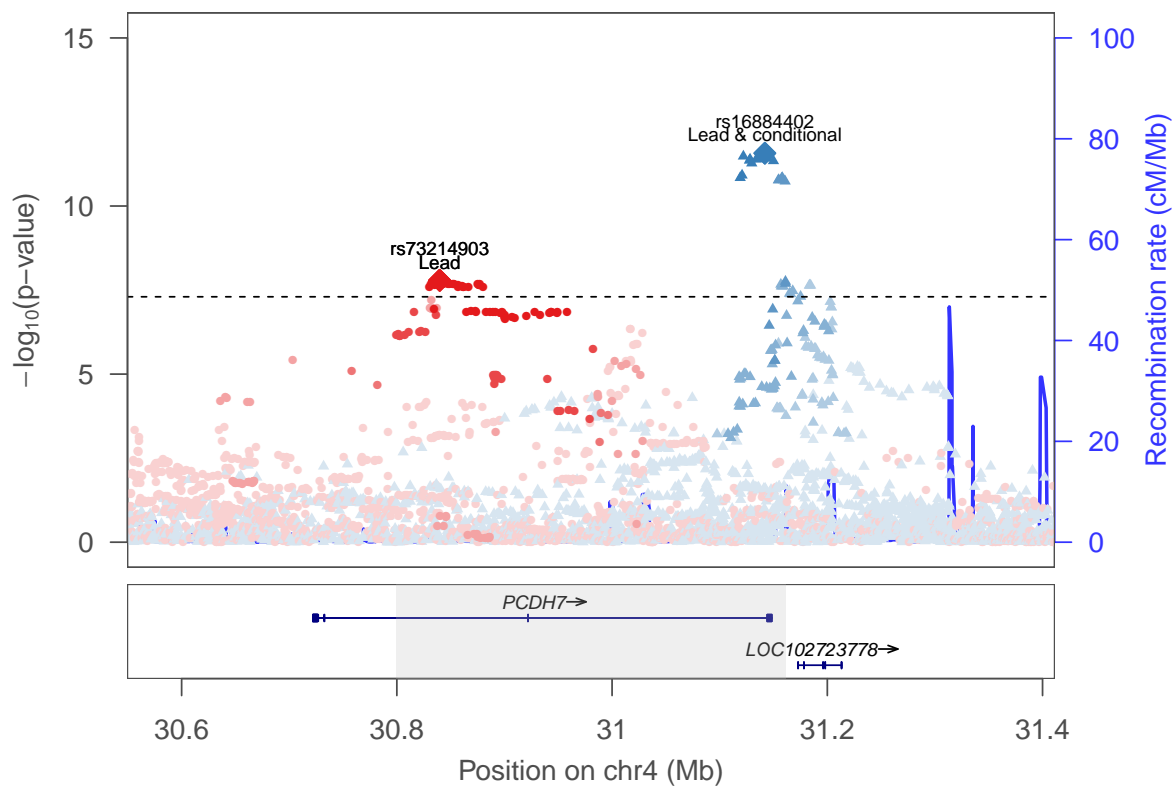
Number of sexual partners: locus 30 [chr 3:174.214–174.241Mb]



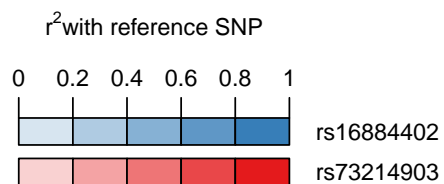
Number of sexual partners: locus 31 [chr 4:16.817–16.849Mb]



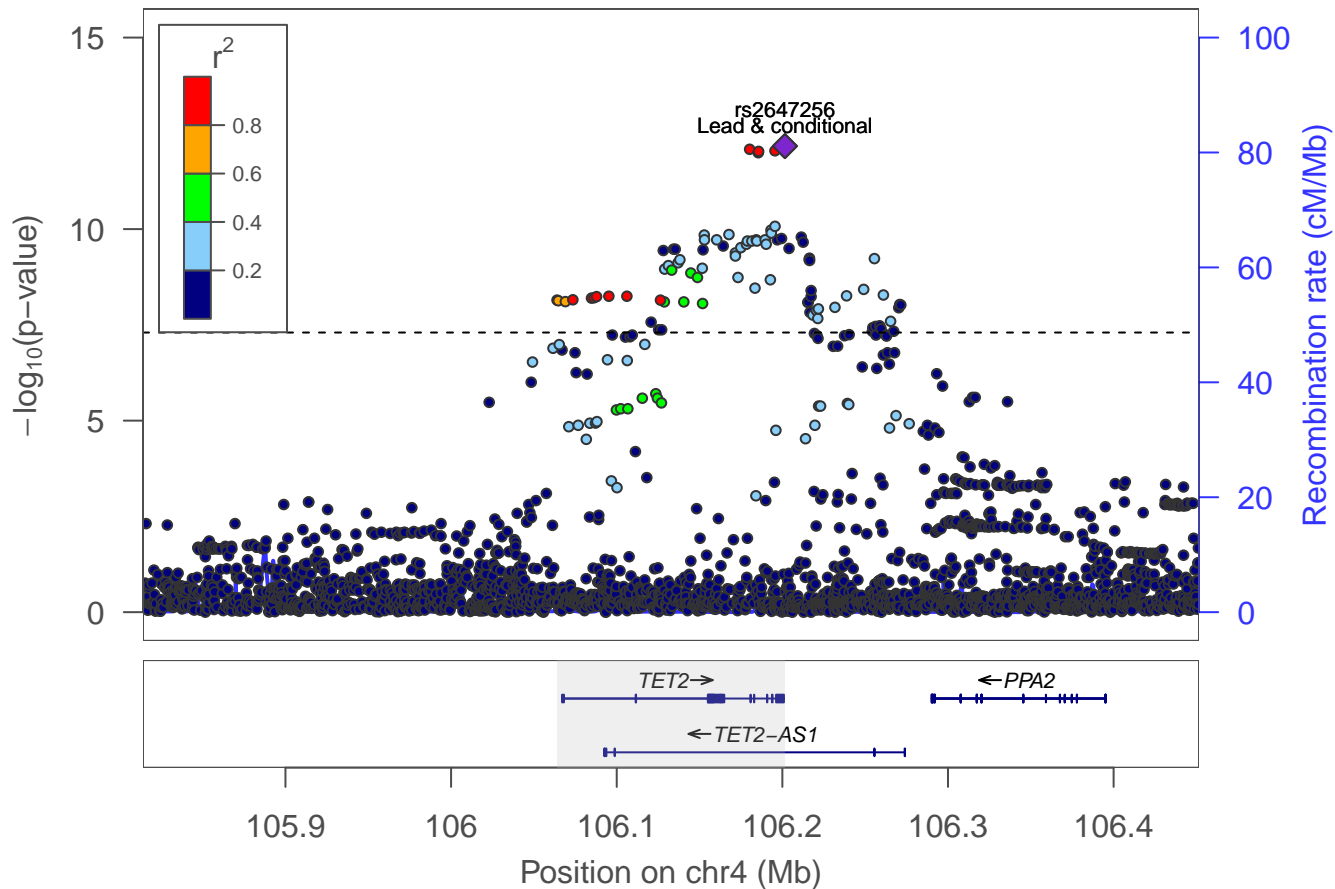
Number of sexual partners: Locus 32 [chr 4: 30.800–31.161Mb]



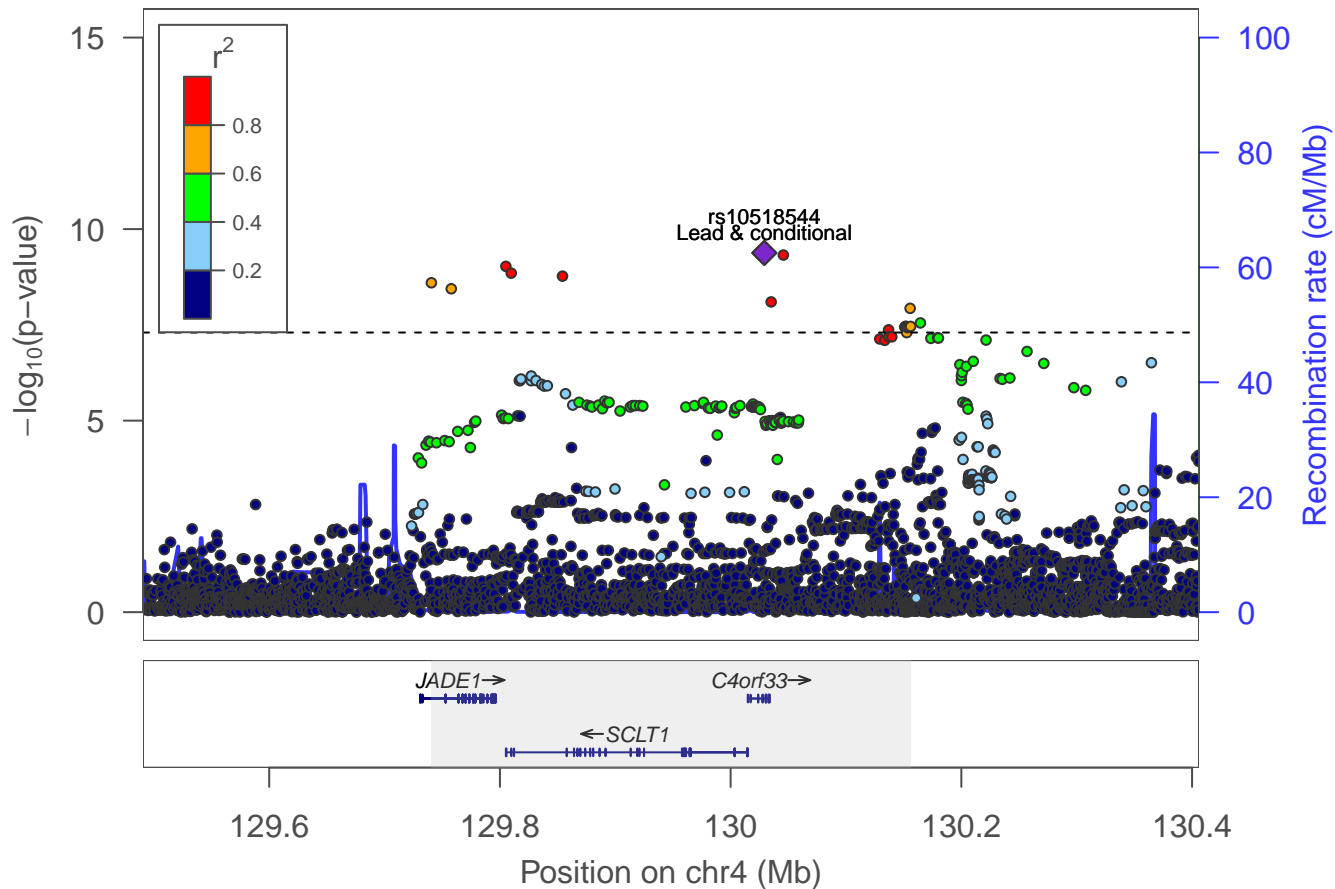
rs16884402 ▲
rs73214903 ●



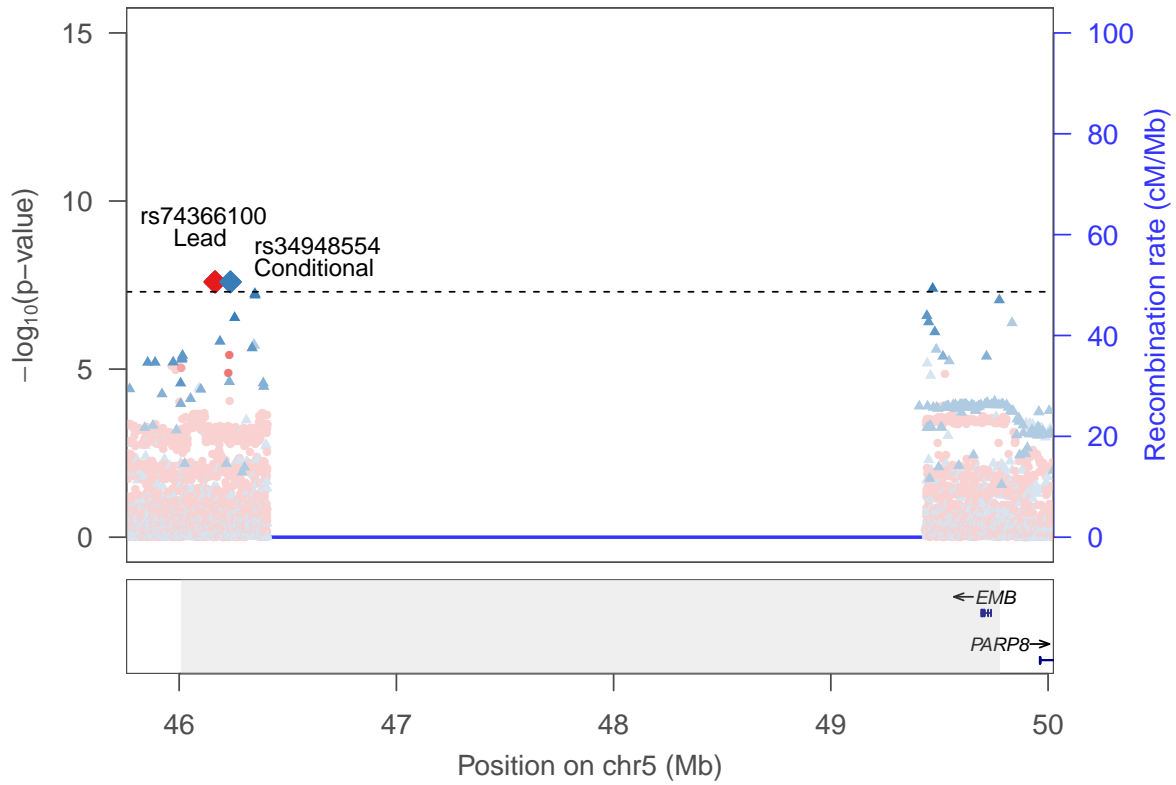
Number of sexual partners: locus 33 [chr 4:106.064–106.202Mb]



Number of sexual partners: locus 34 [chr 4:129.741–130.156Mb]

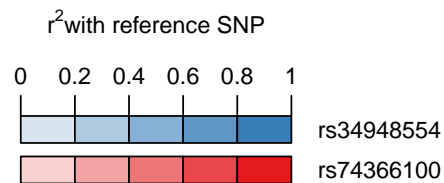


Number of sexual partners: Locus 35 [chr 5: 46.007–49.776Mb]

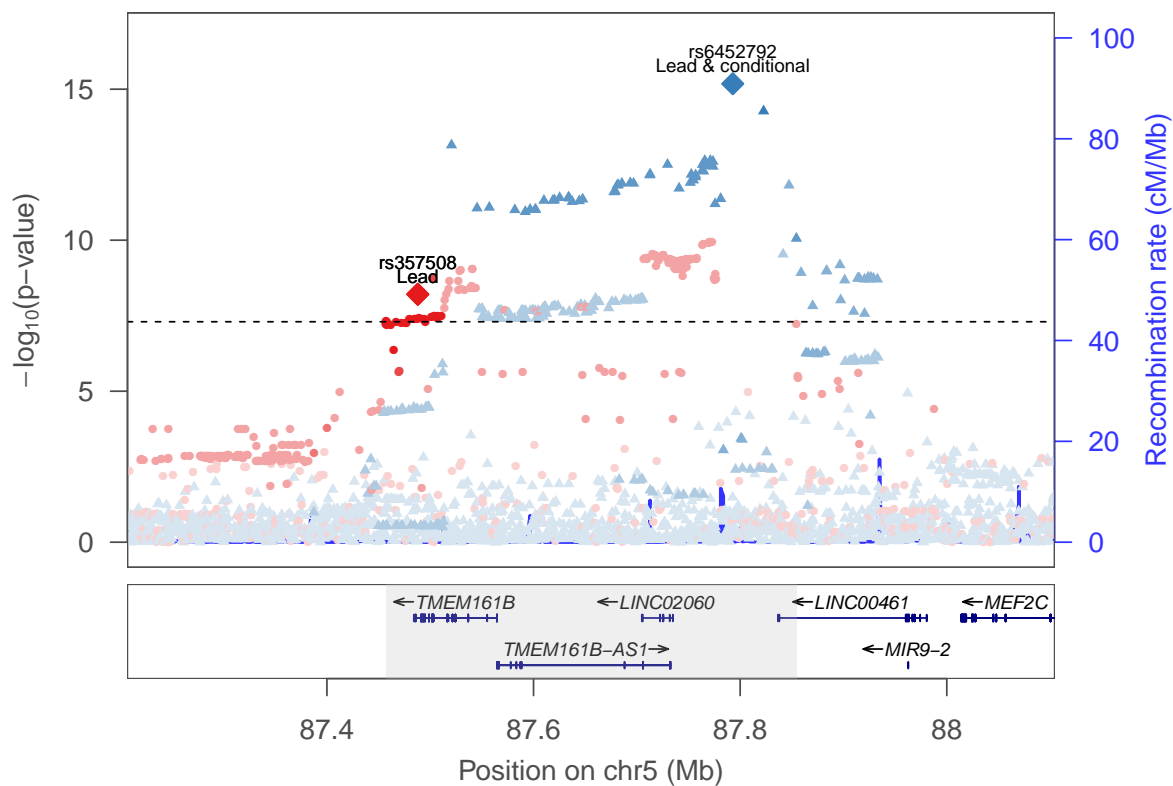


Note: The gap in the locus is because the locus spans the centromere of the chromosome.

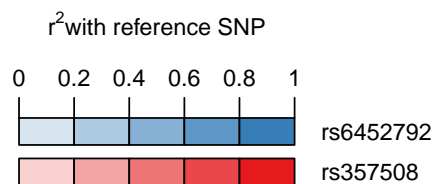
rs34948554 ▲
rs74366100 ●



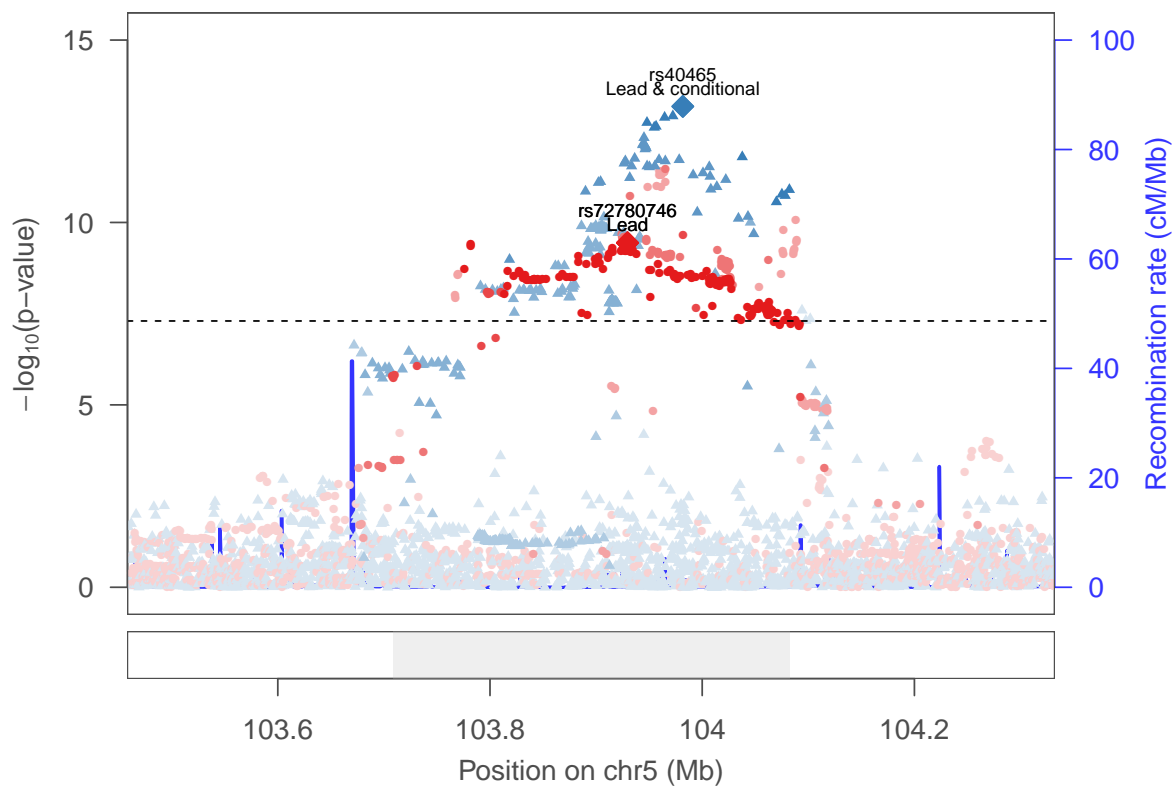
Number of sexual partners: Locus 36 [chr 5: 87.457–87.854Mb]



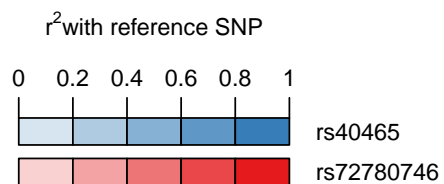
rs6452792 ▲
rs357508 ●



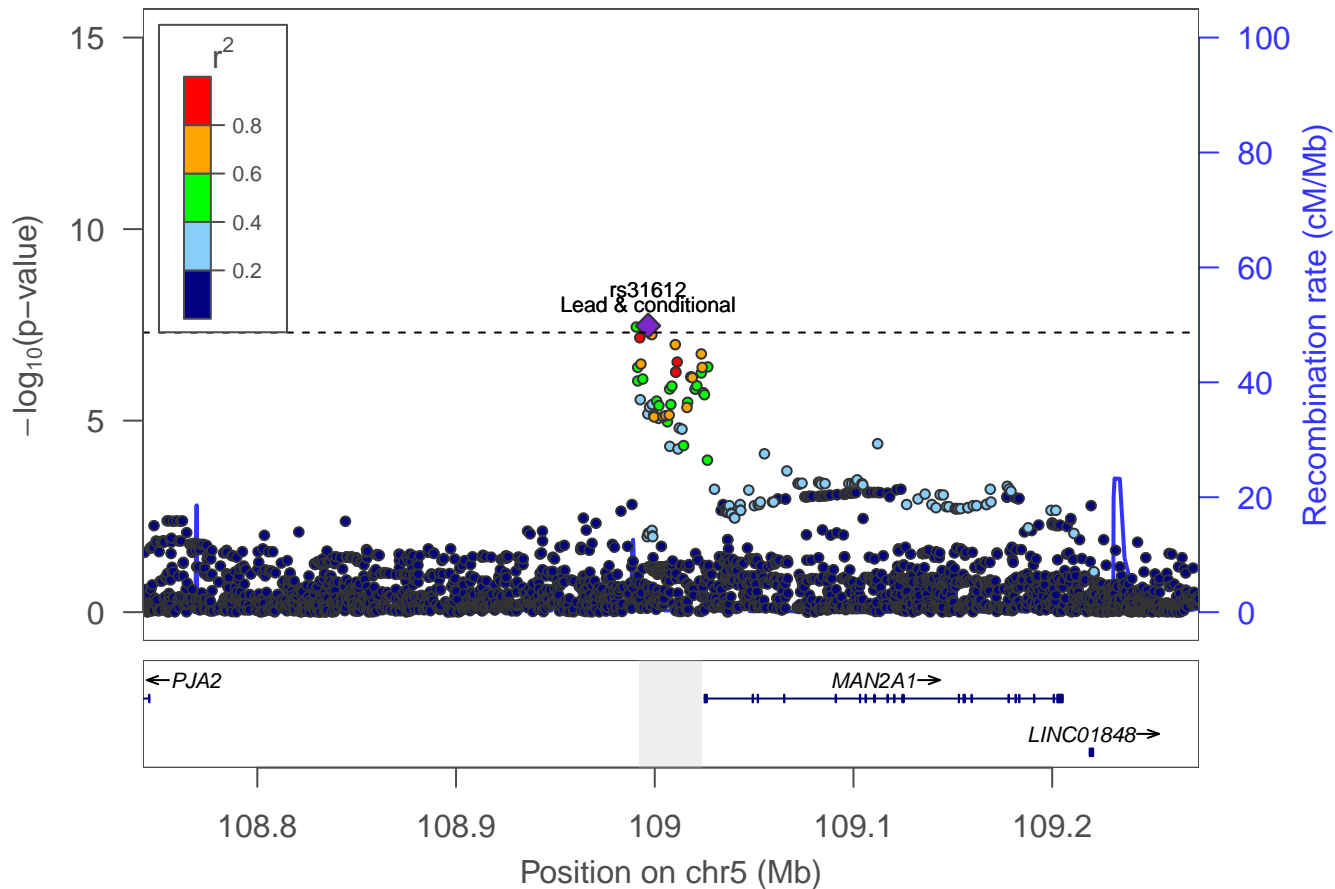
Number of sexual partners: Locus 37 [chr 5: 103.708–104.082Mb]



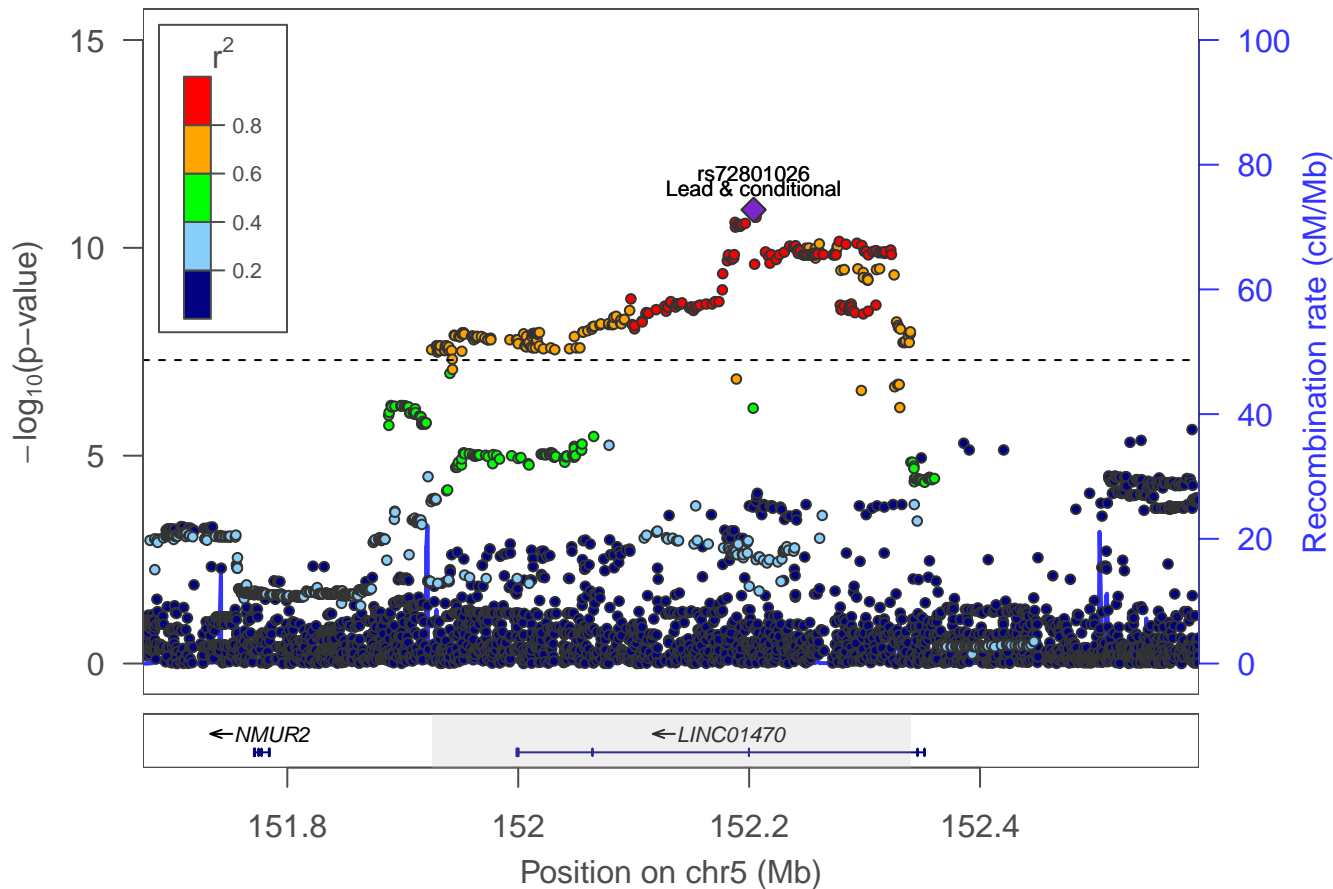
rs40465 ▲
rs72780746 ●



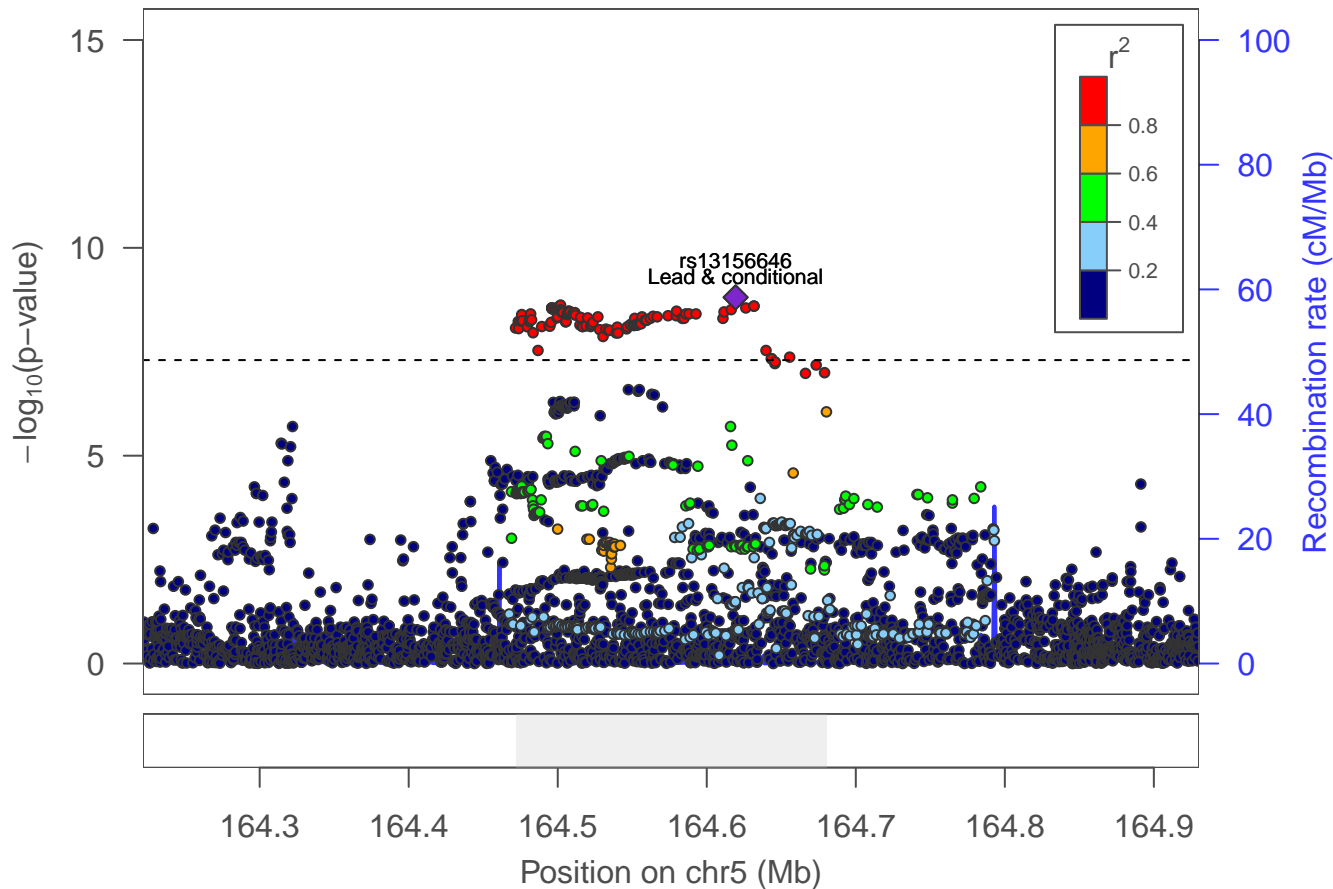
Number of sexual partners: locus 38 [chr 5:108.992–109.024Mb]



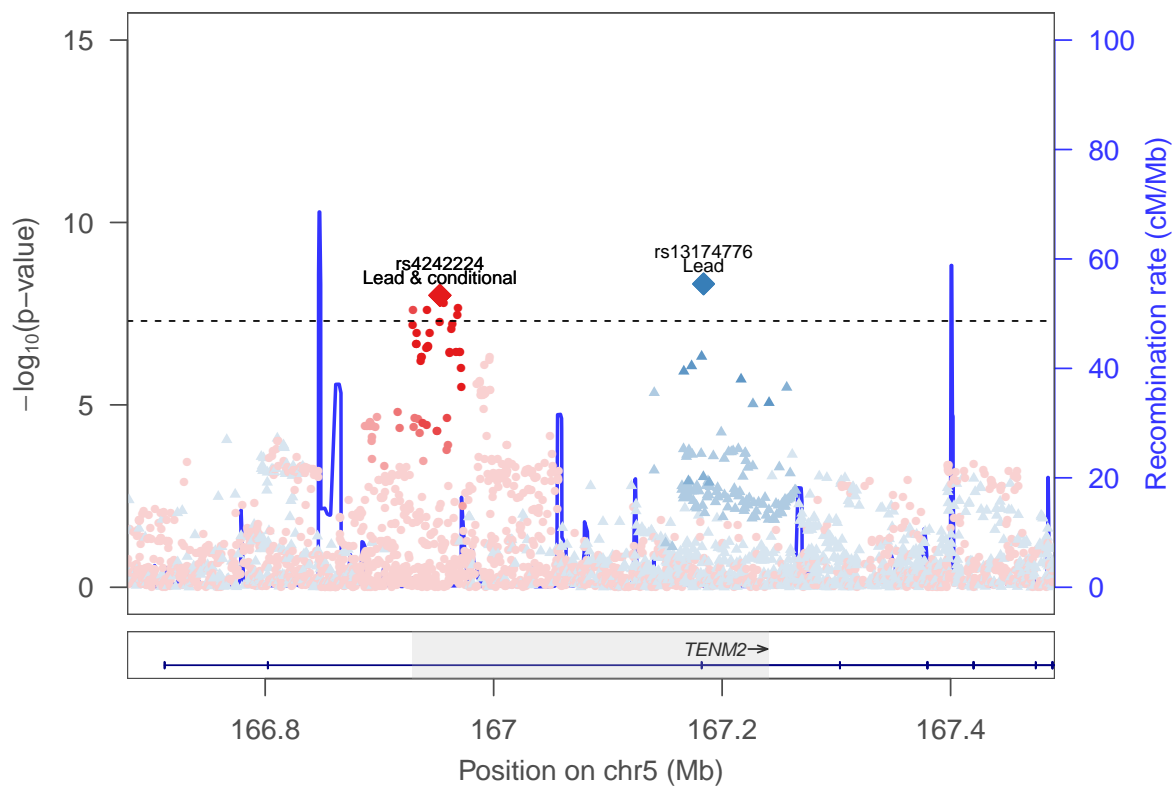
Number of sexual partners: locus 39 [chr 5:151.925–152.340Mb]



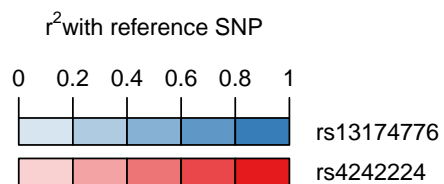
Number of sexual partners: locus 40 [chr 5:164.472–164.680Mb]



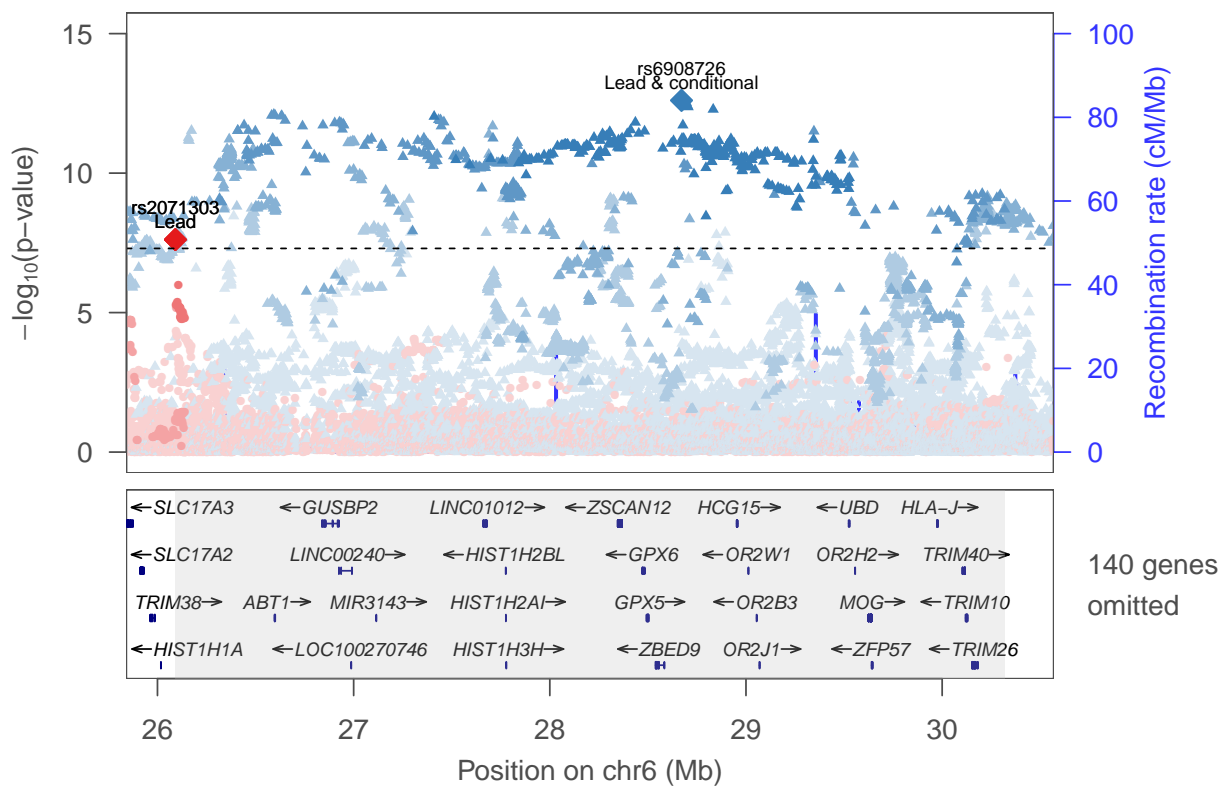
Number of sexual partners: Locus 41 [chr 5: 166.929–167.241Mb]



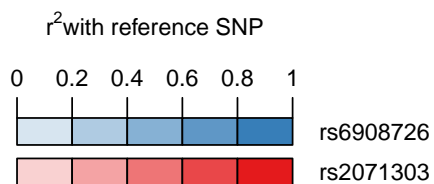
rs13174776 ▲
rs4242224 ●



Number of sexual partners: Locus 42 [chr 6: 26.091–30.318Mb]

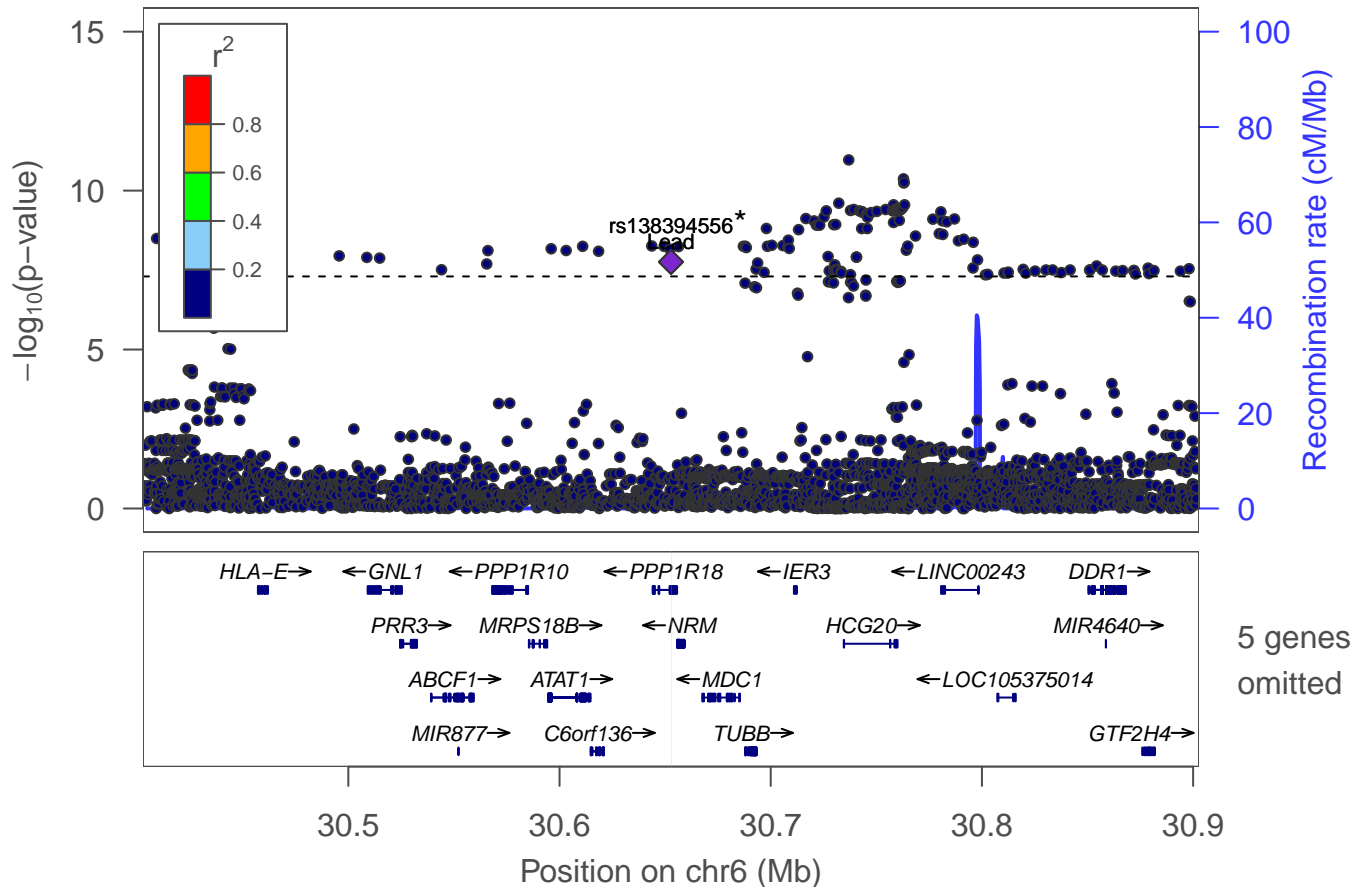


rs6908726 ▲
 rs2071303 ●

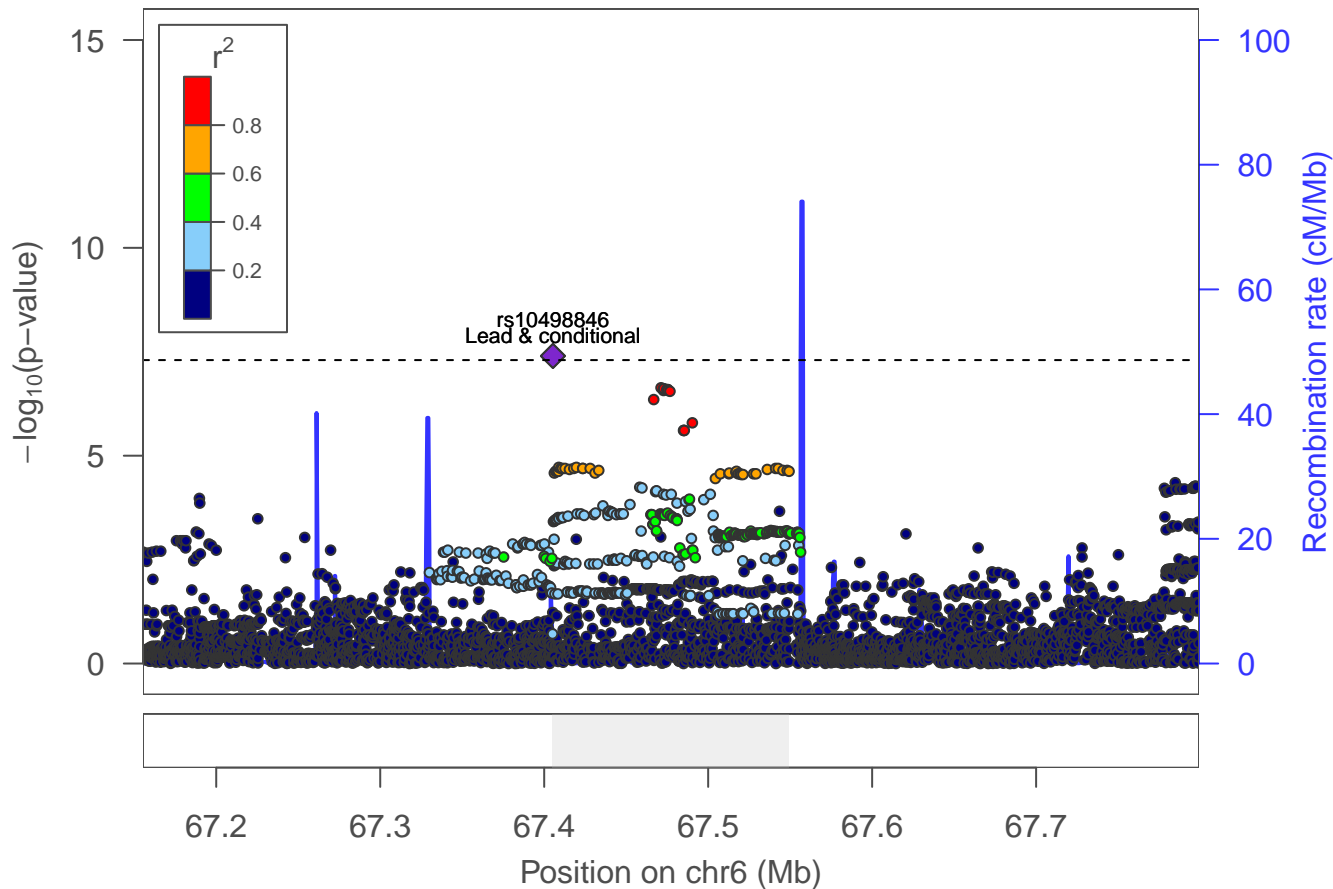


Number of sexual partners: locus 43* [chr 6:30.653–30.653Mb]

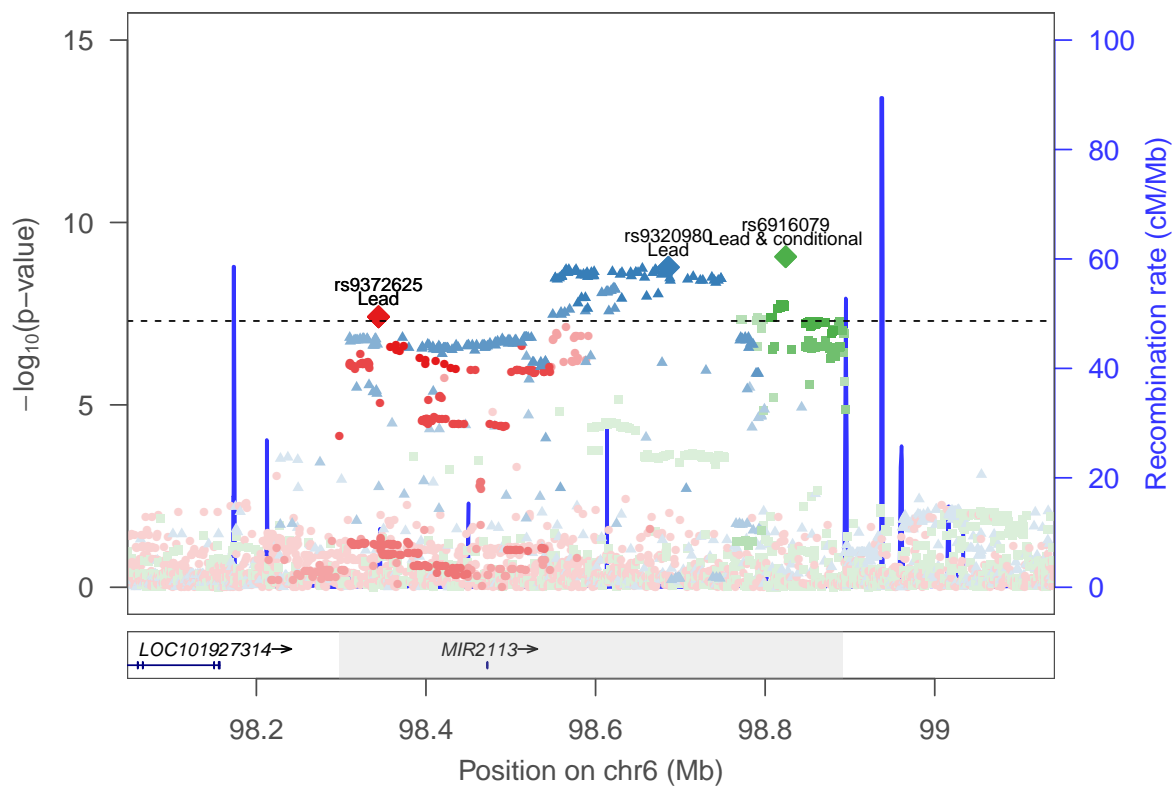
* As described in **Supplementary Information section 3.4.5**, we exclude SNP rs138394556 and locus 43 from our counts of the number-of-sexual-partners lead SNPs and loci.



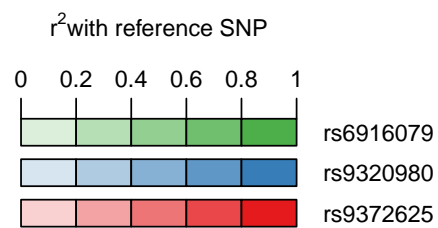
Number of sexual partners: locus 44 [chr 6:67.405–67.549Mb]



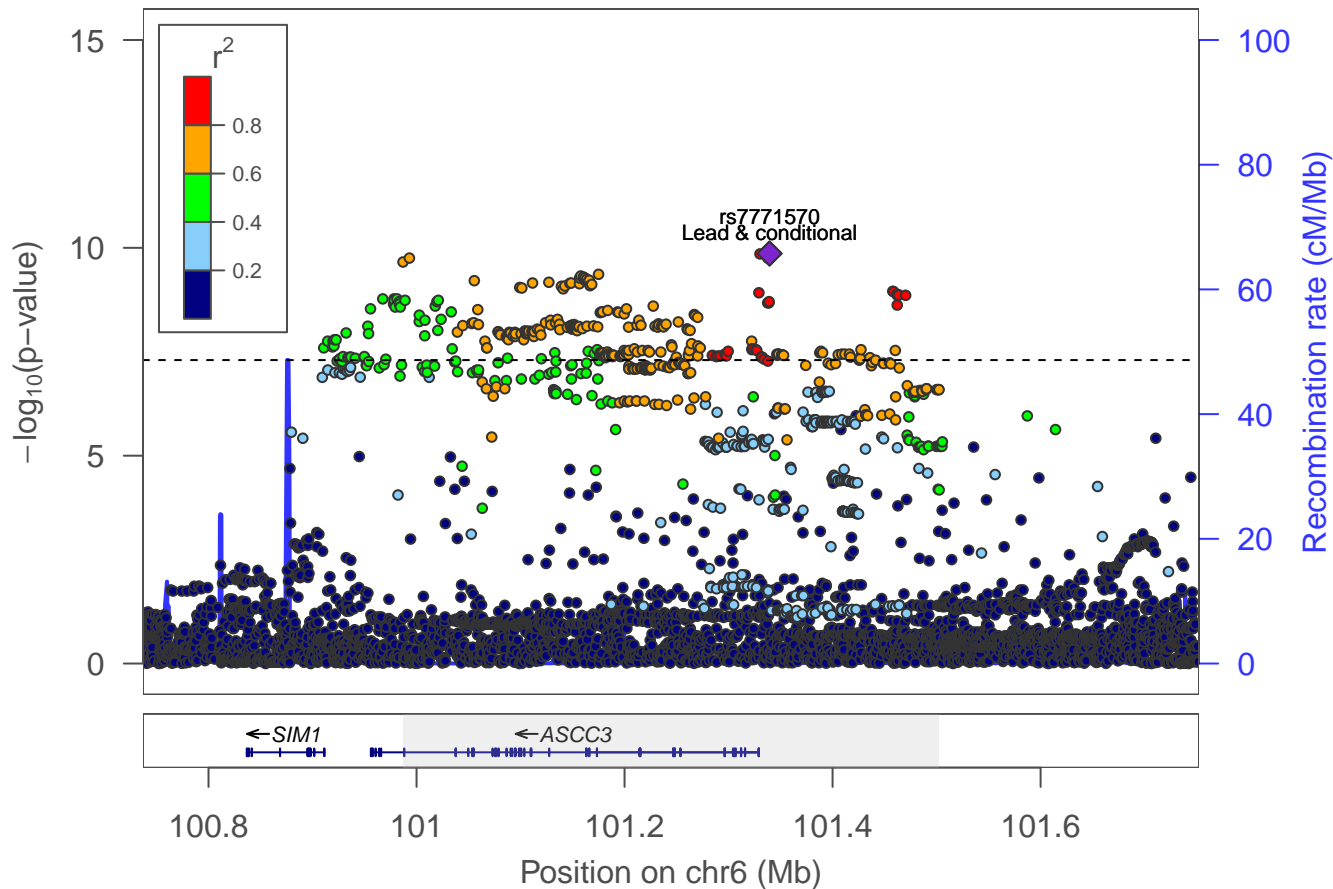
Number of sexual partners: Locus 45 [chr 6: 98.298–98.891Mb]



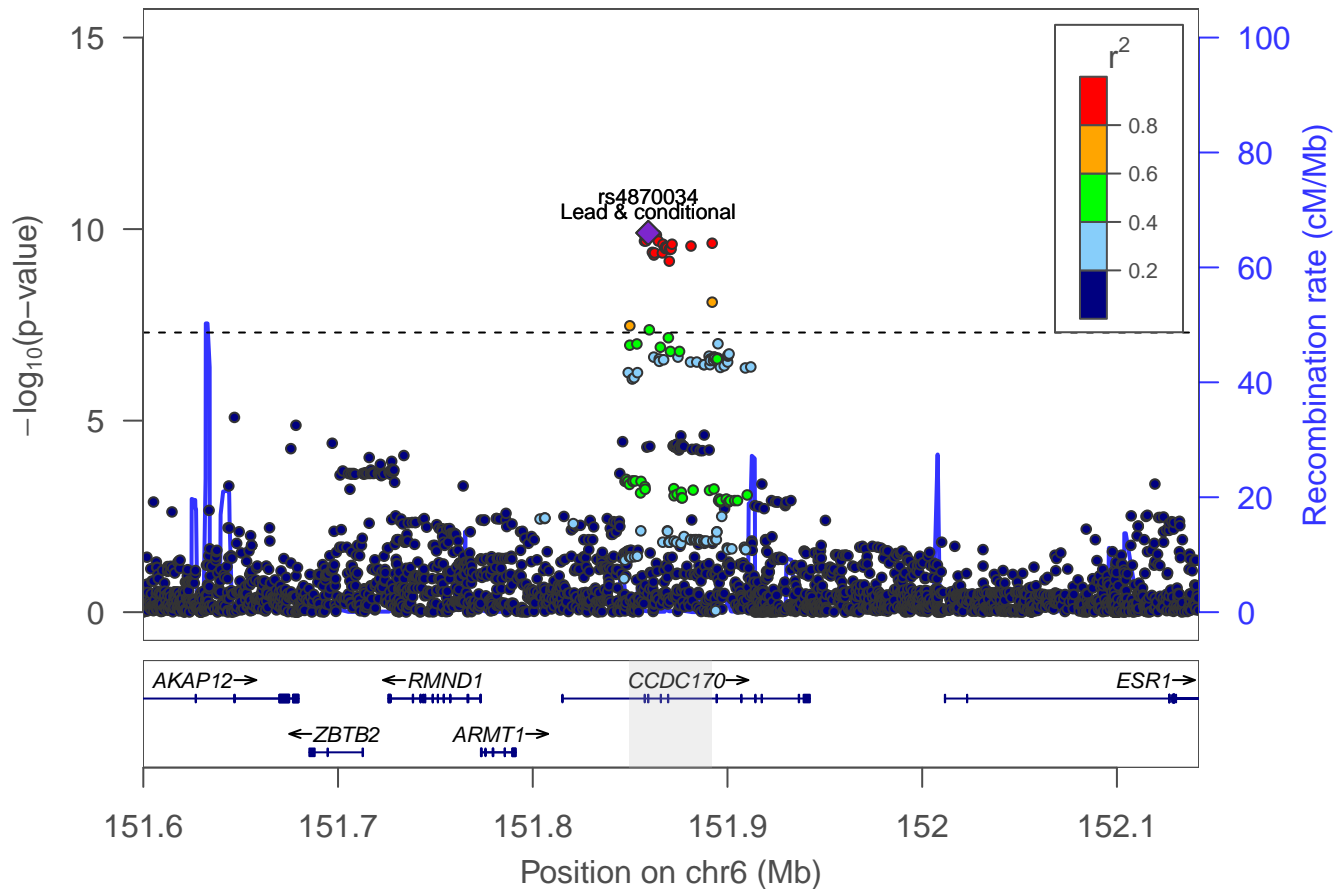
rs6916079 ■
rs9320980 ▲
rs9372625 ●



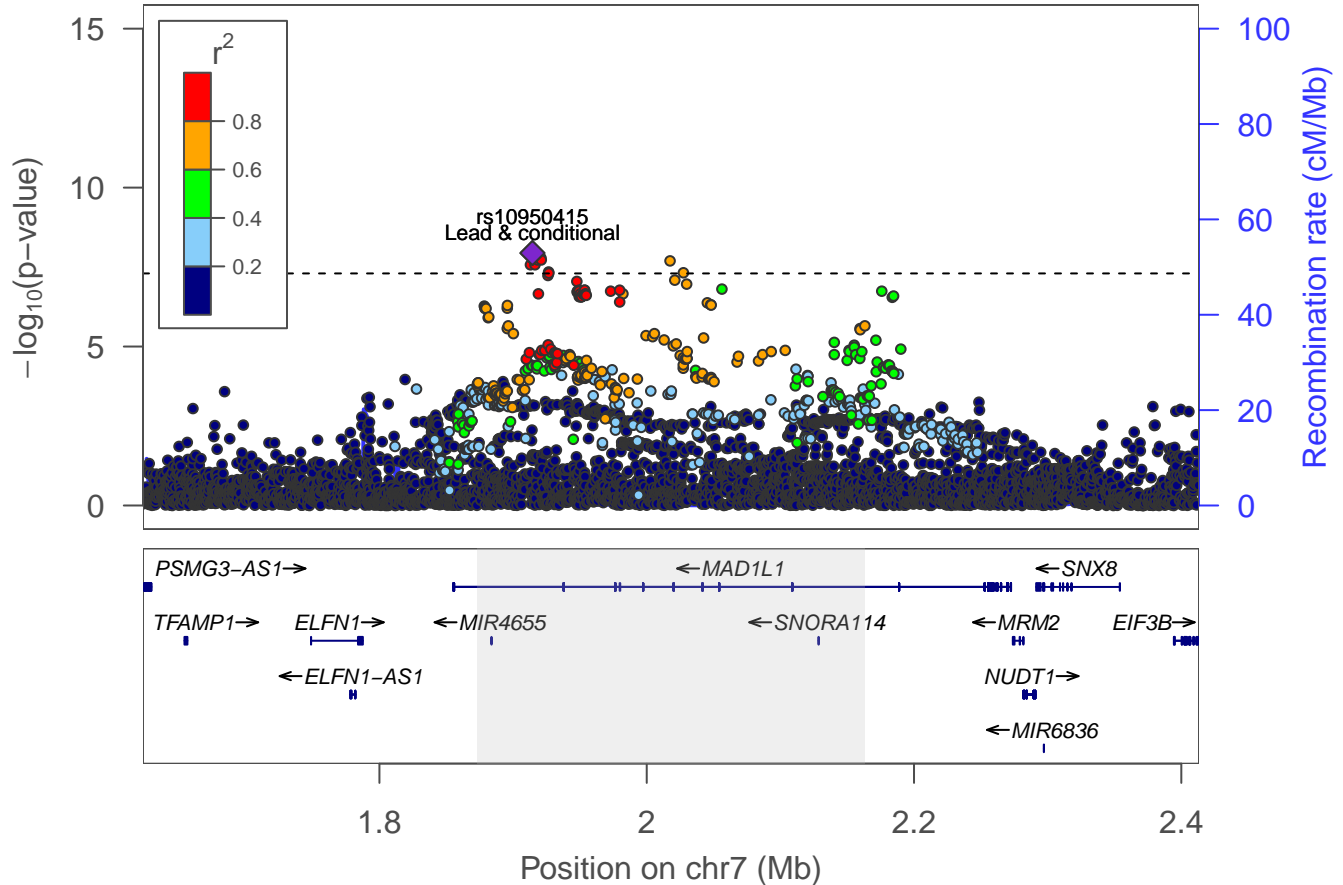
Number of sexual partners: locus 46 [chr 6:100.987–101.502Mb]



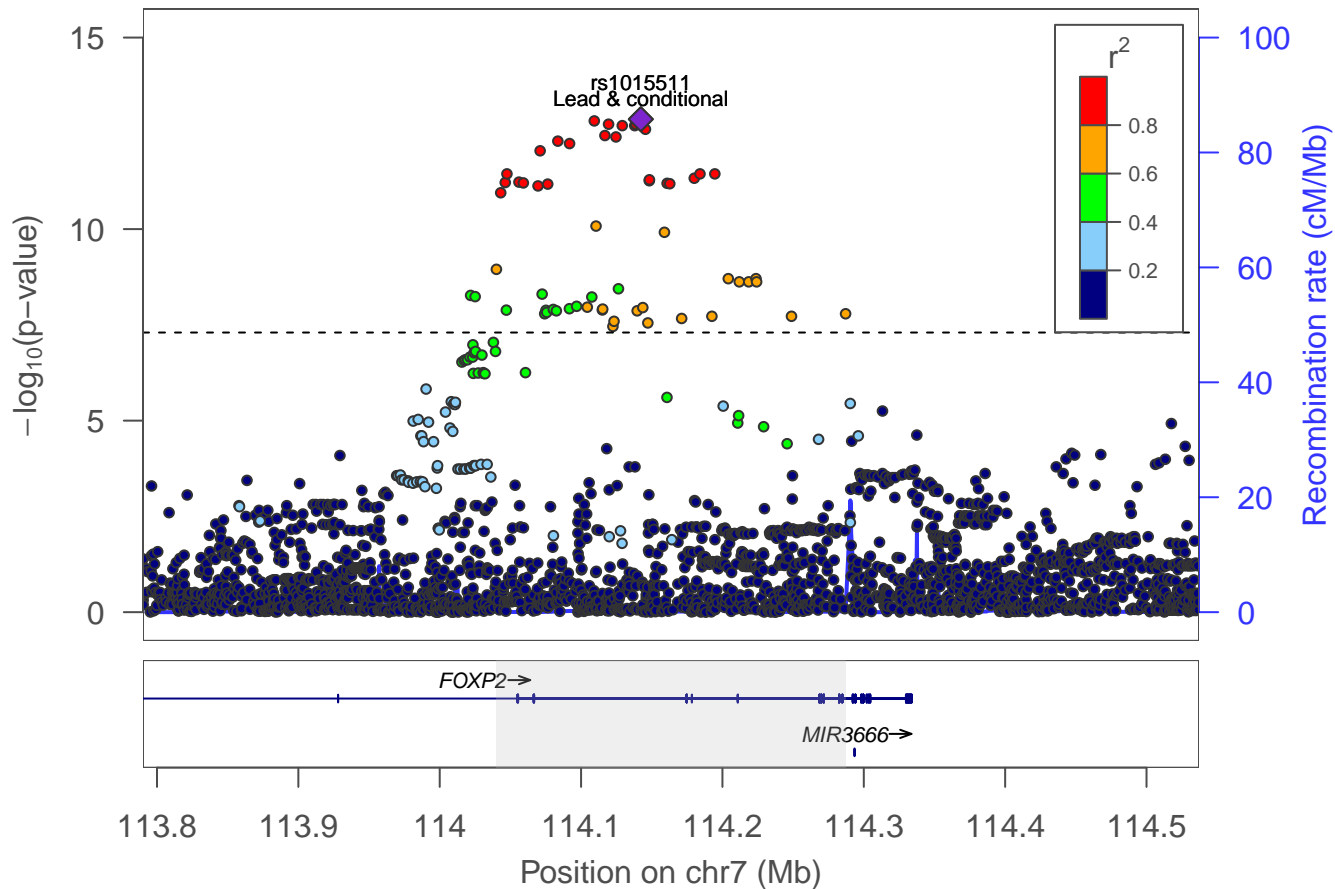
Number of sexual partners: locus 47 [chr 6:151.850–151.892Mb]



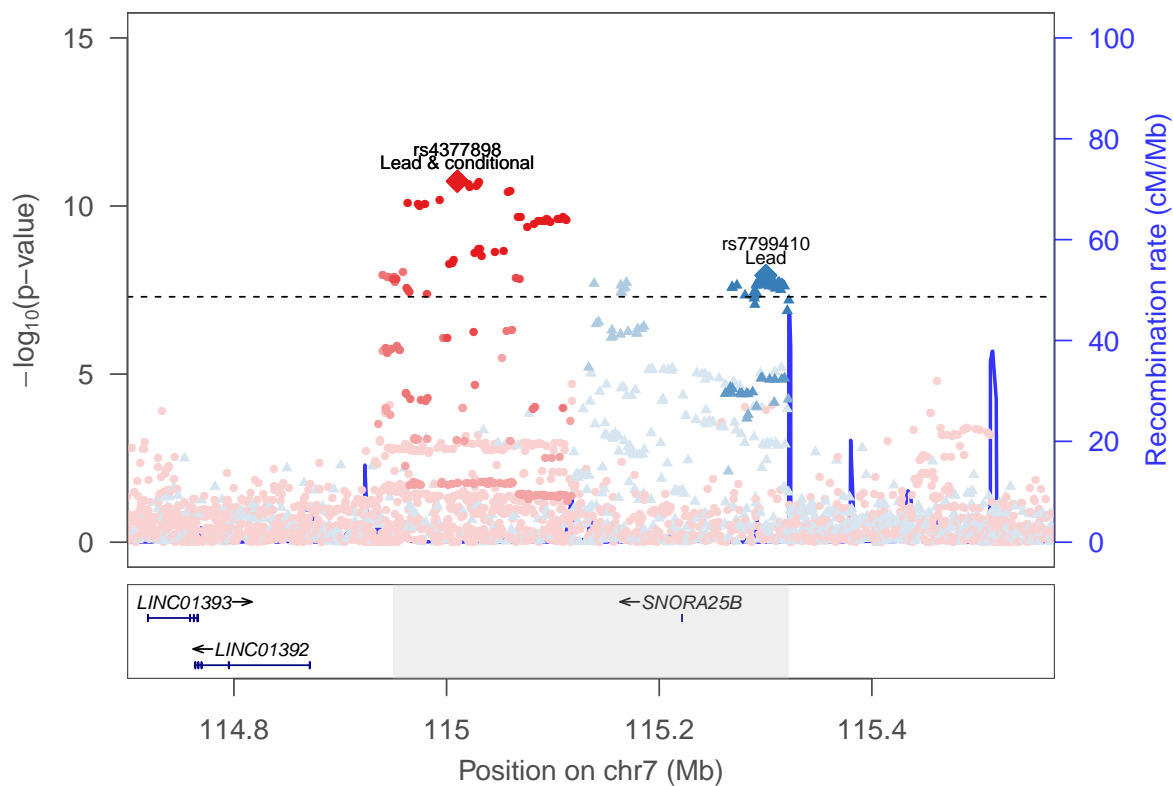
Number of sexual partners: locus 48 [chr 7:1.873–2.163Mb]



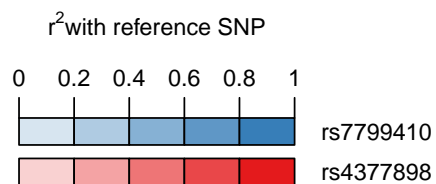
Number of sexual partners: locus 49 [chr 7:114.040–114.287Mb]



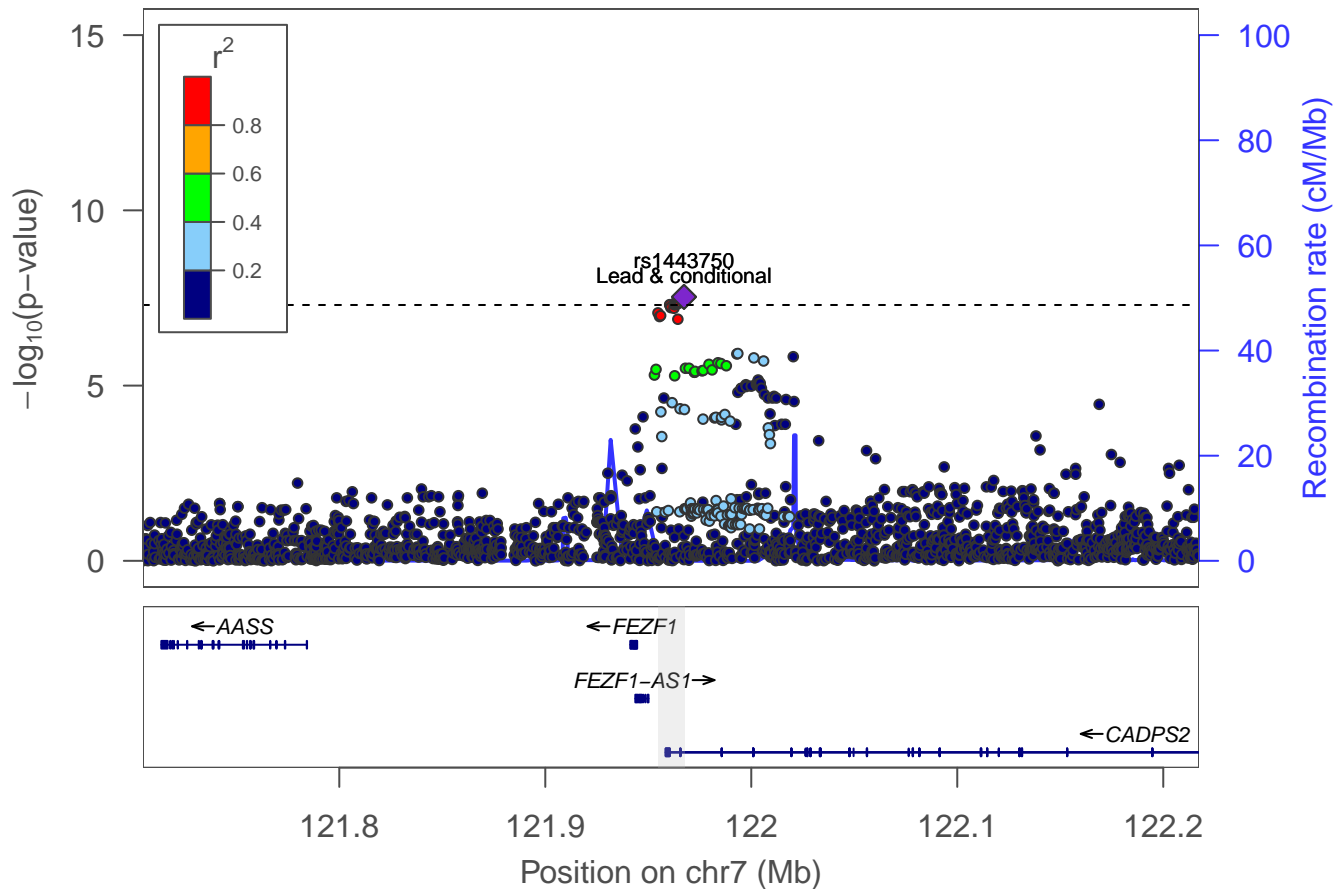
Number of sexual partners: Locus 50 [chr 7: 114.950–115.322Mb]



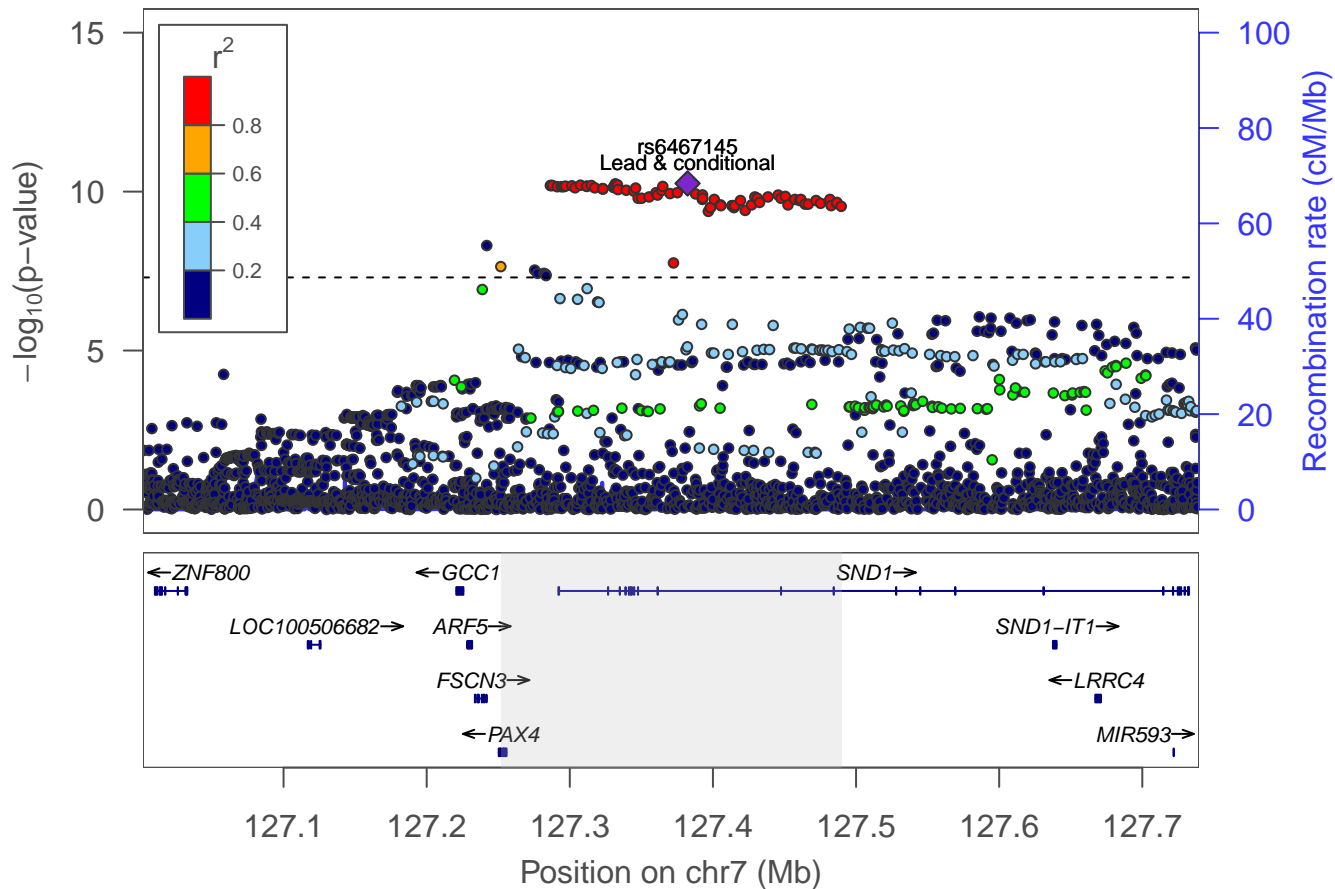
rs7799410 ▲
rs4377898 ●



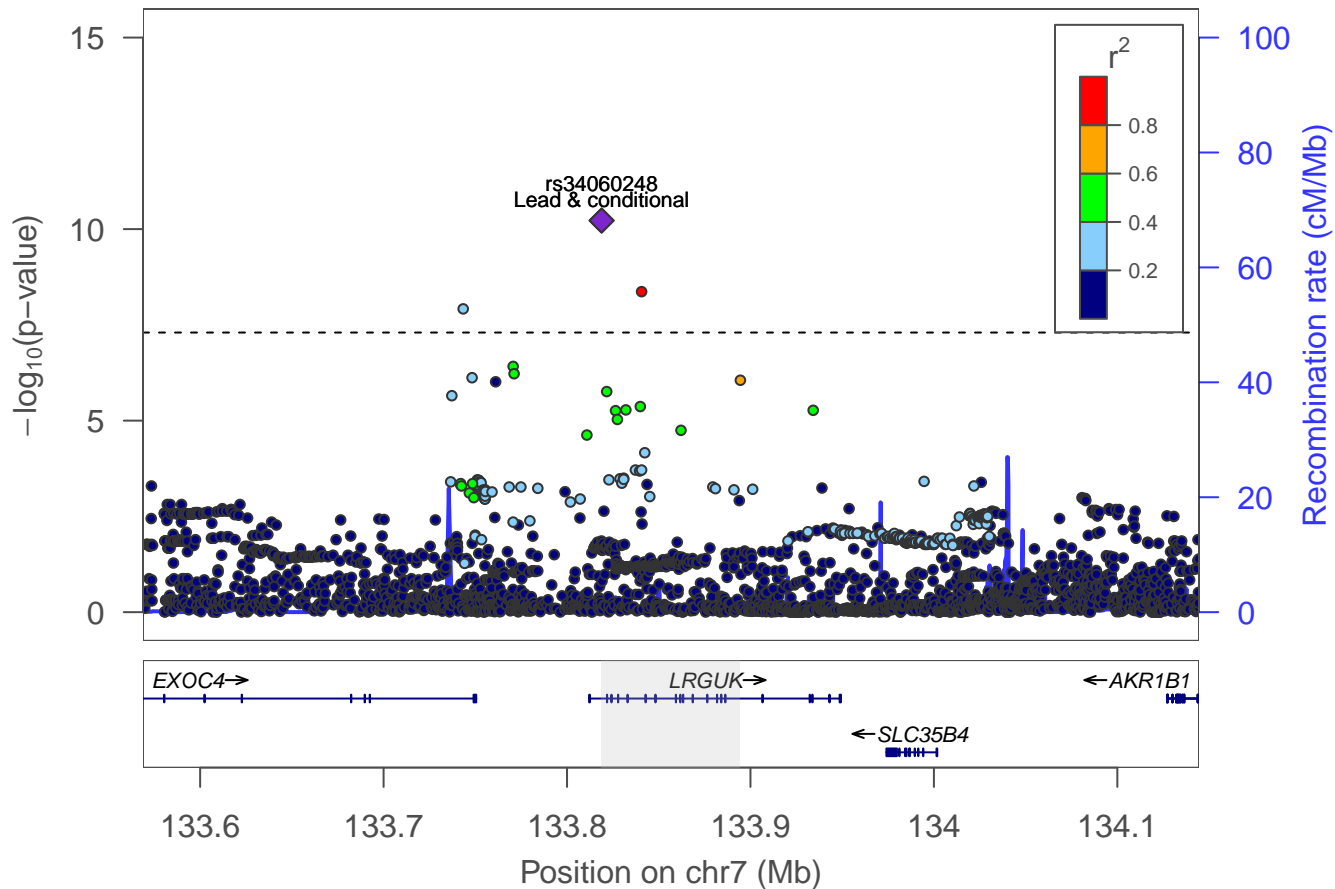
Number of sexual partners: locus 51 [chr 7:121.955–121.967Mb]



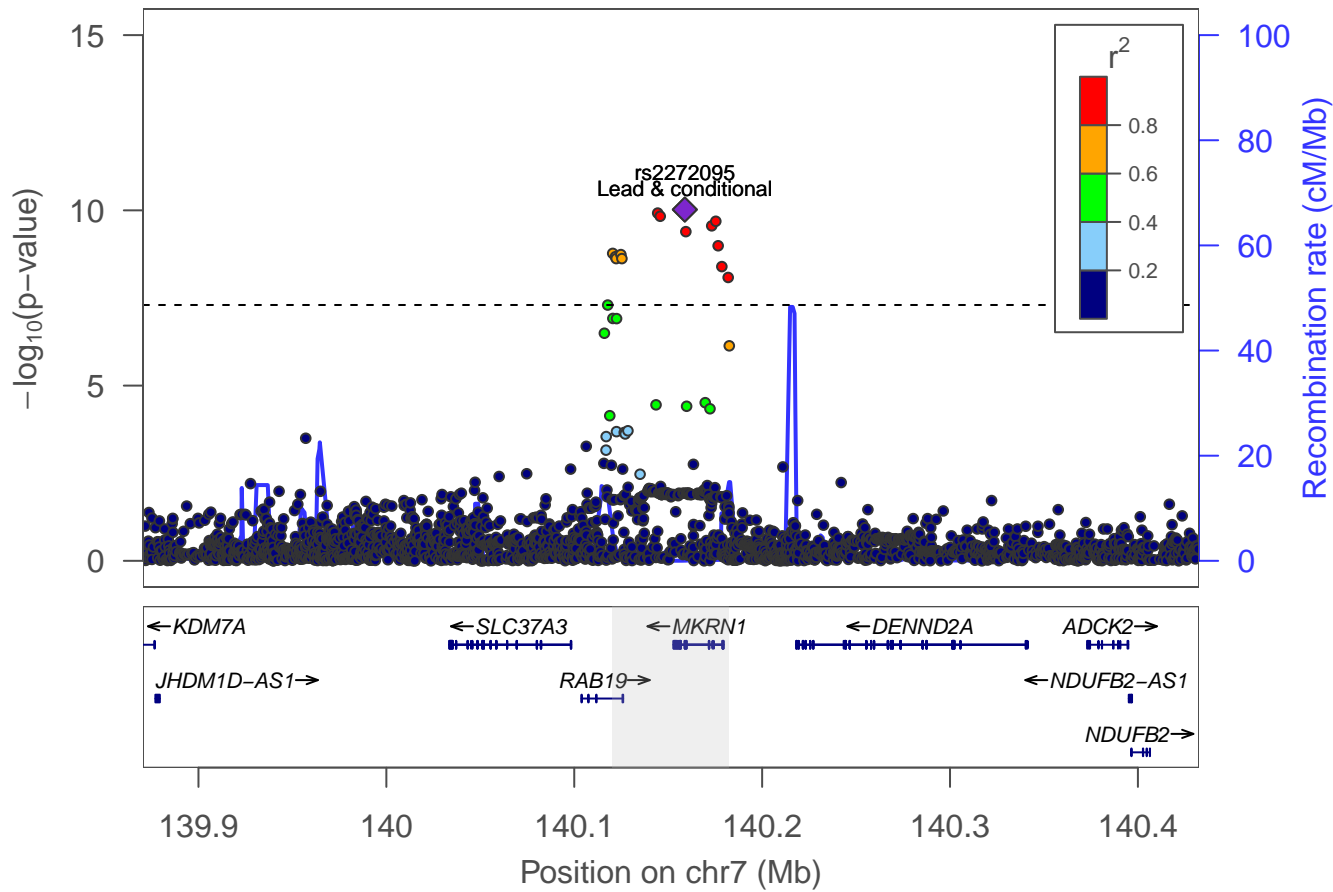
Number of sexual partners: locus 52 [chr 7:127.252–127.490Mb]



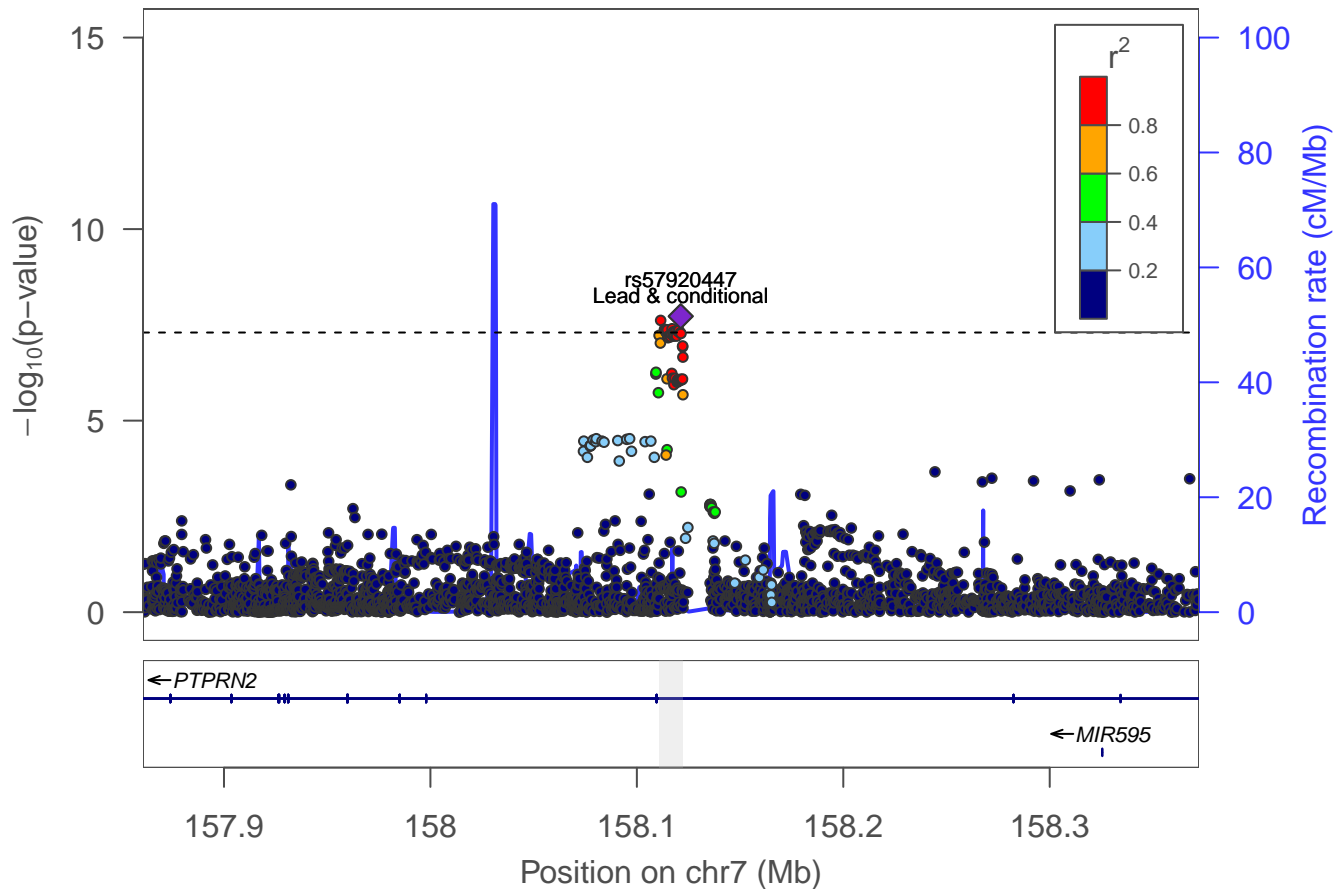
Number of sexual partners: locus 53 [chr 7:133.819–133.895Mb]



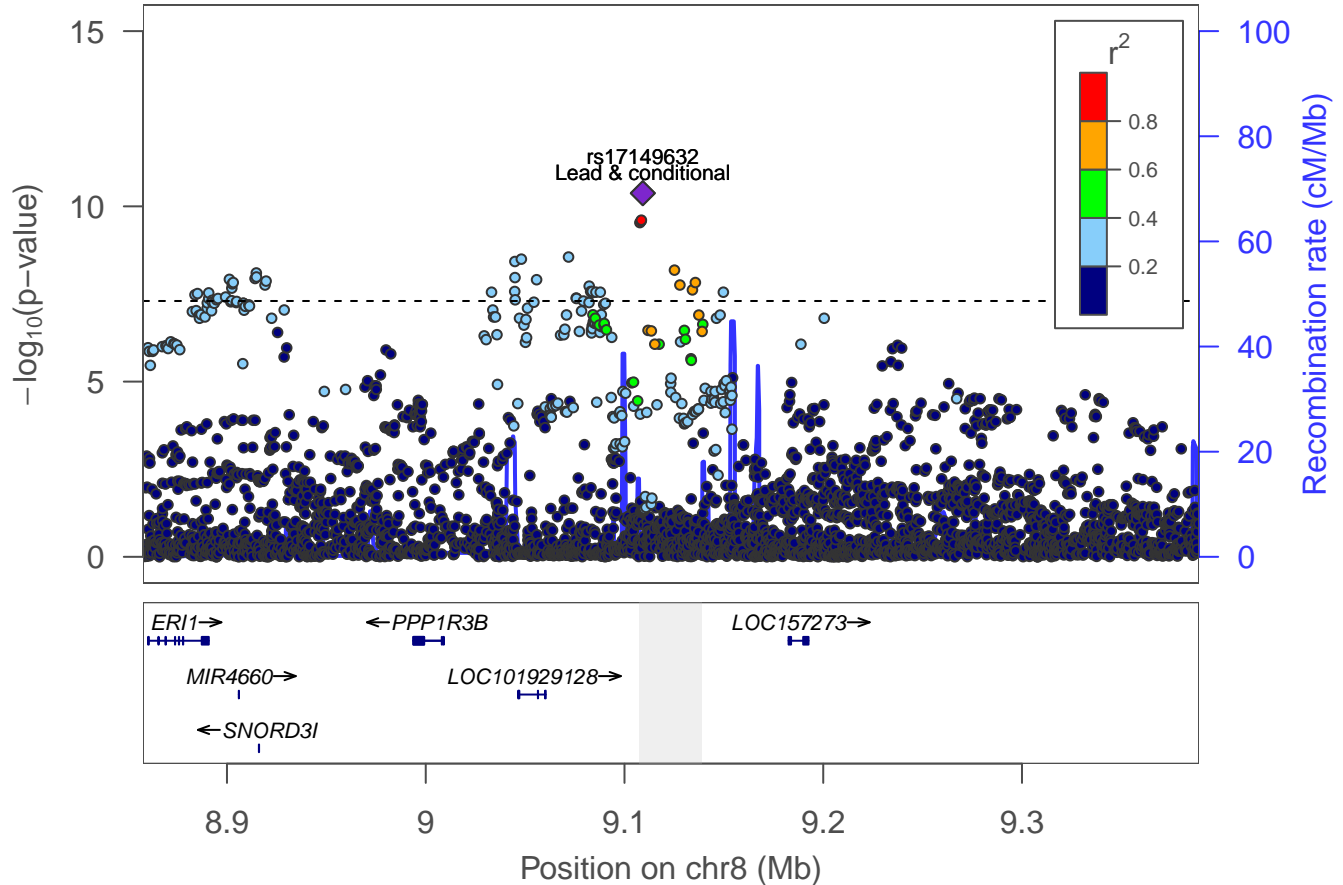
Number of sexual partners: locus 54 [chr 7:140.120–140.183Mb]



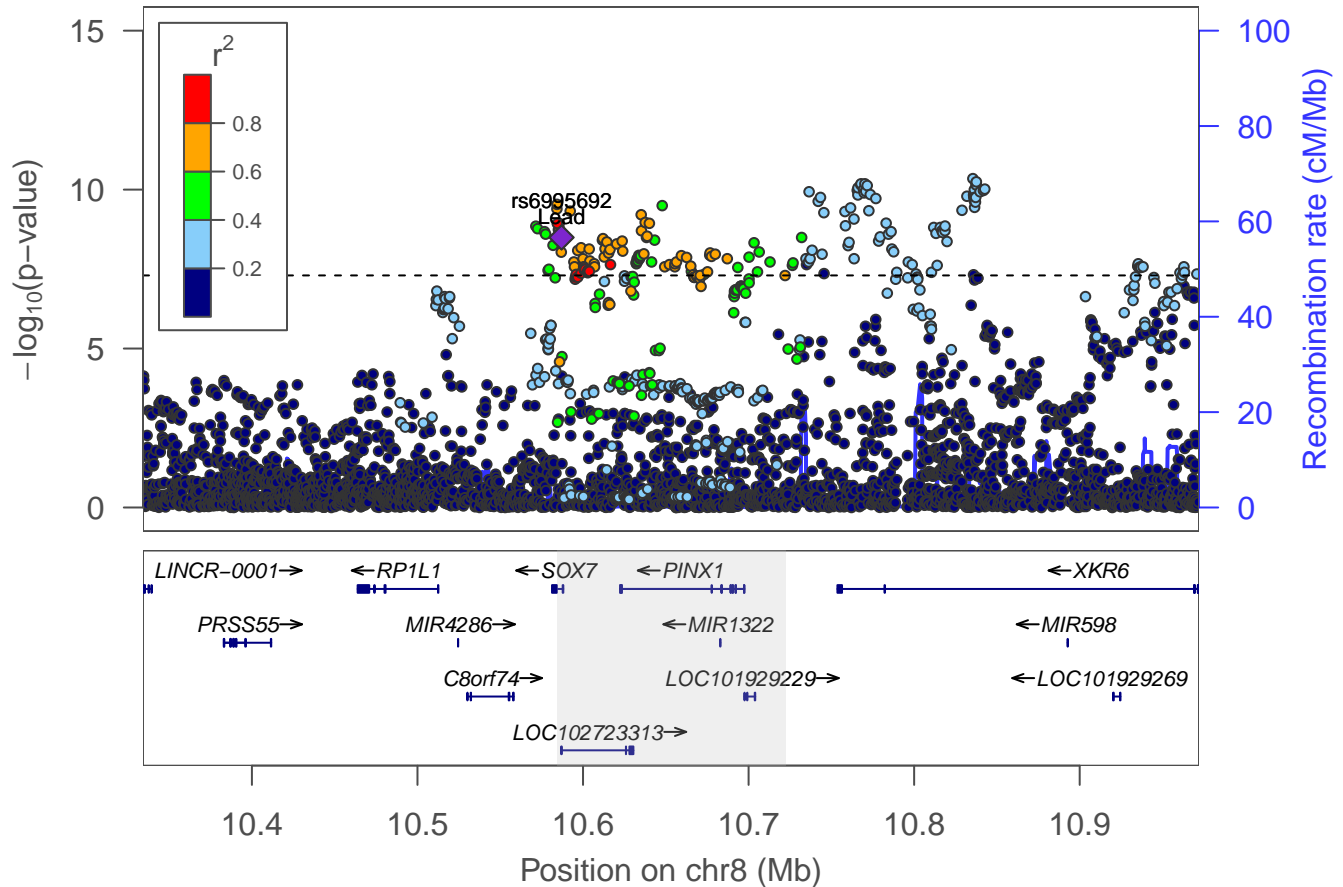
Number of sexual partners: locus 55 [chr 7:158.111–158.122Mb]



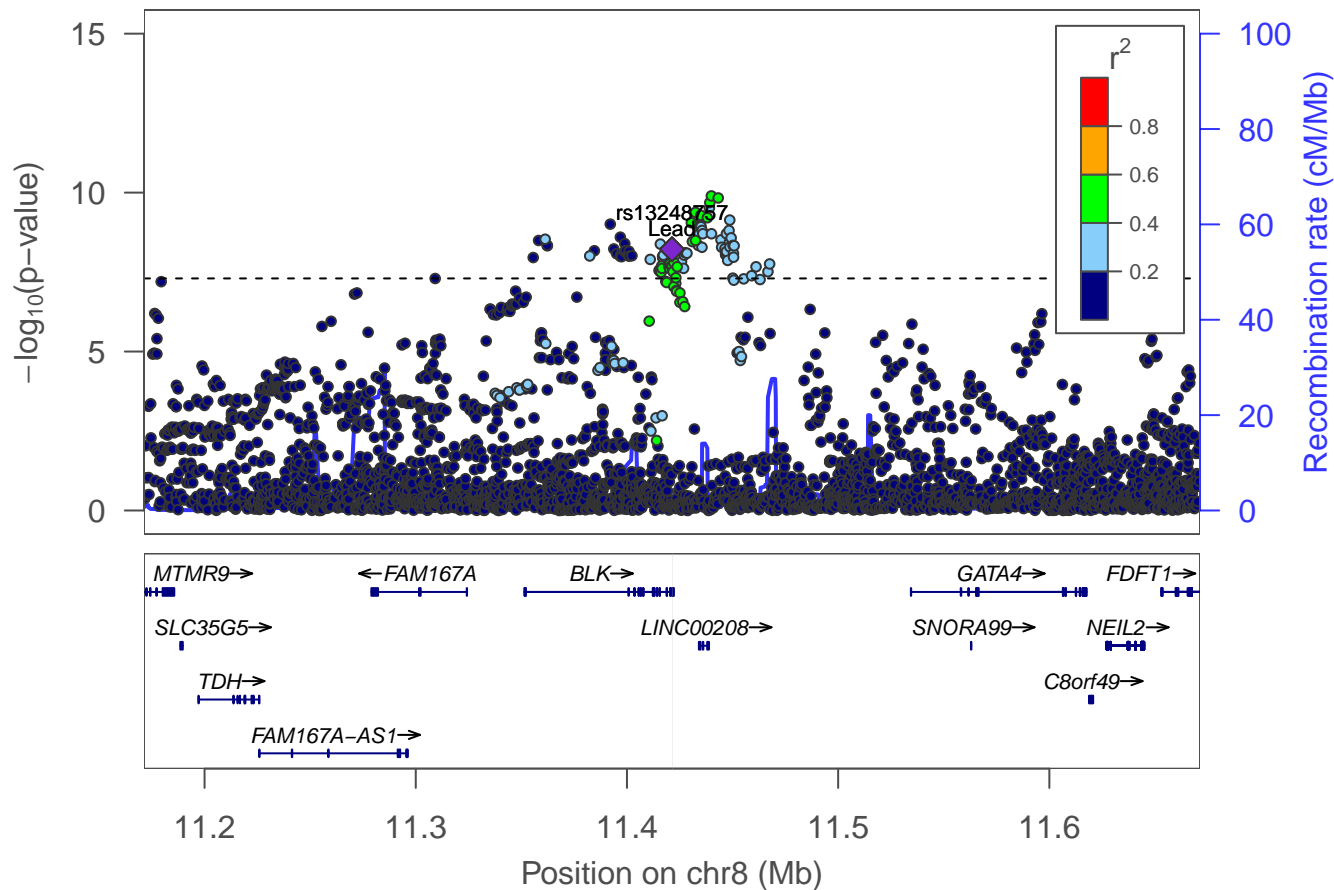
Number of sexual partners: locus 56 [chr 8:9.108–9.139Mb]



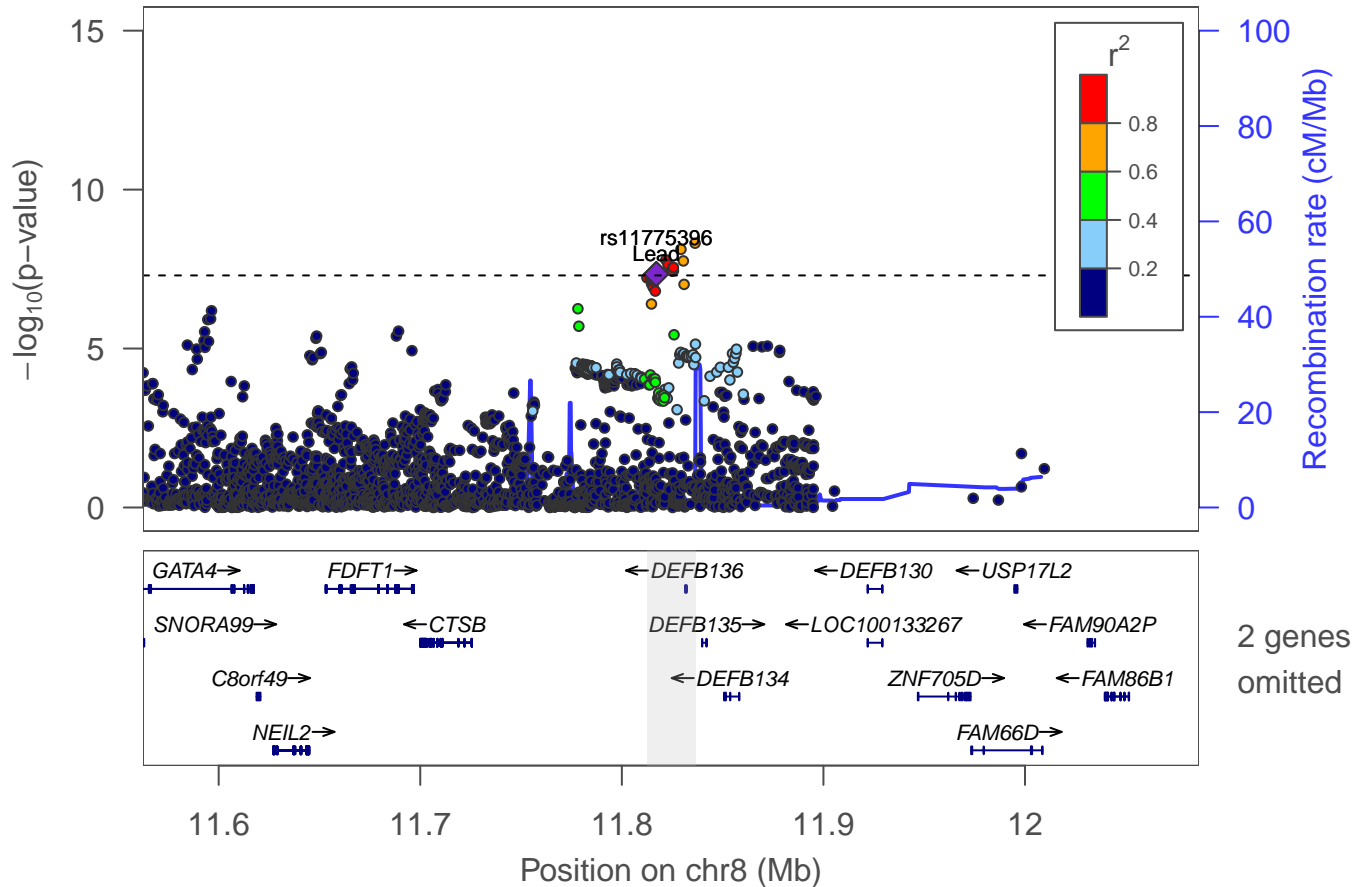
Number of sexual partners: locus 57 [chr 8:10.584–10.722Mb]



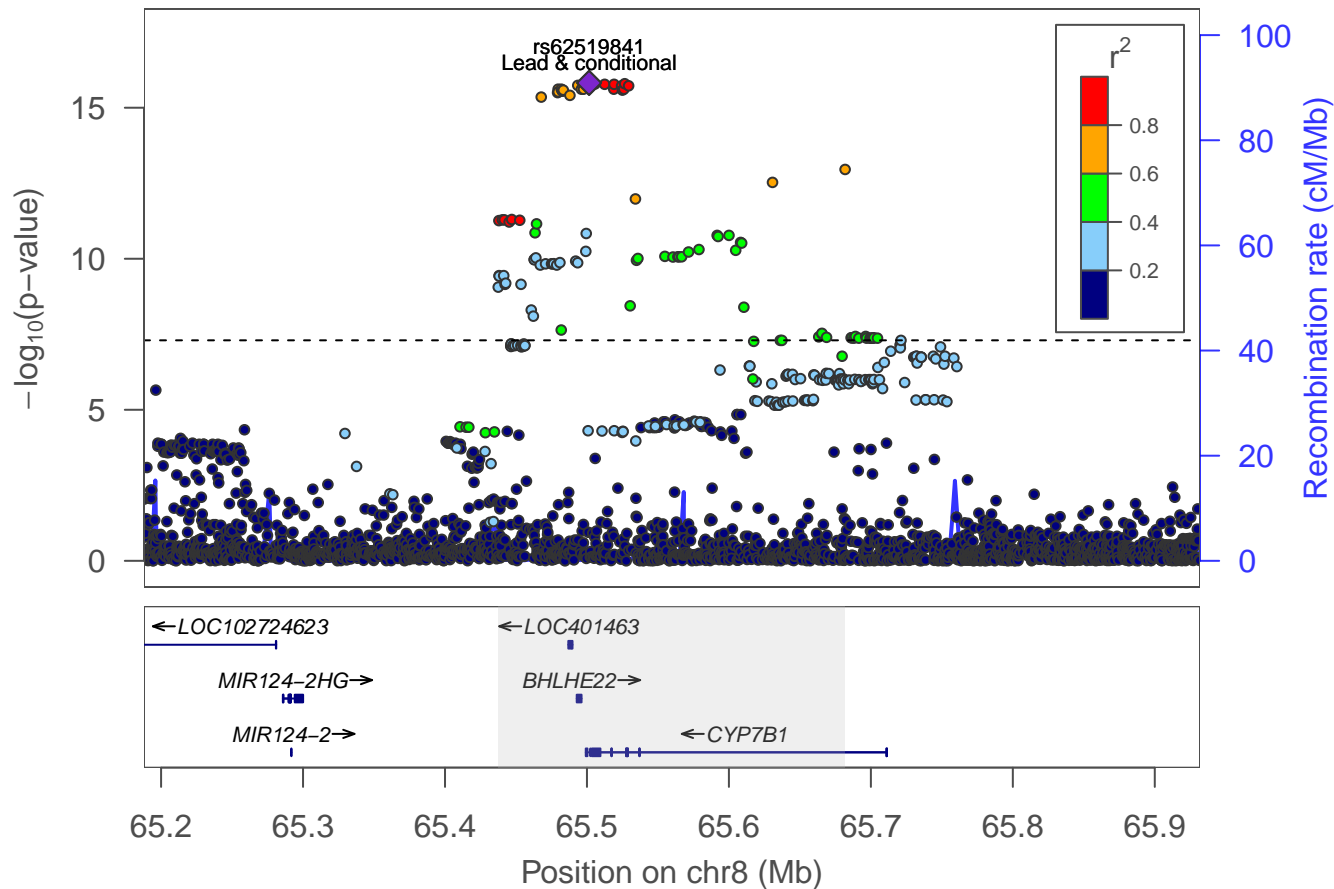
Number of sexual partners: locus 58 [chr 8:11.421–11.421Mb]



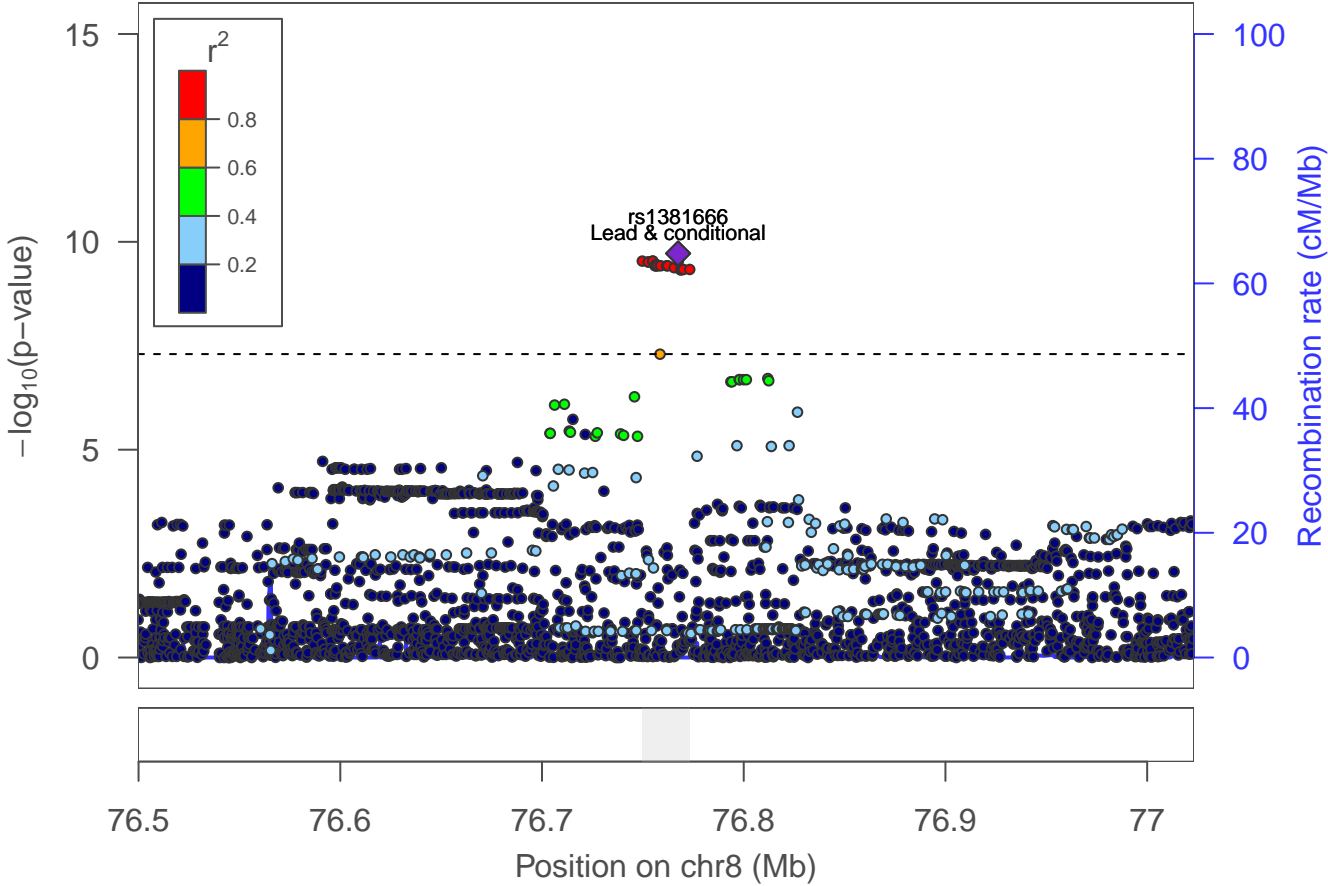
Number of sexual partners: locus 59 [chr 8:11.812–11.836Mb]



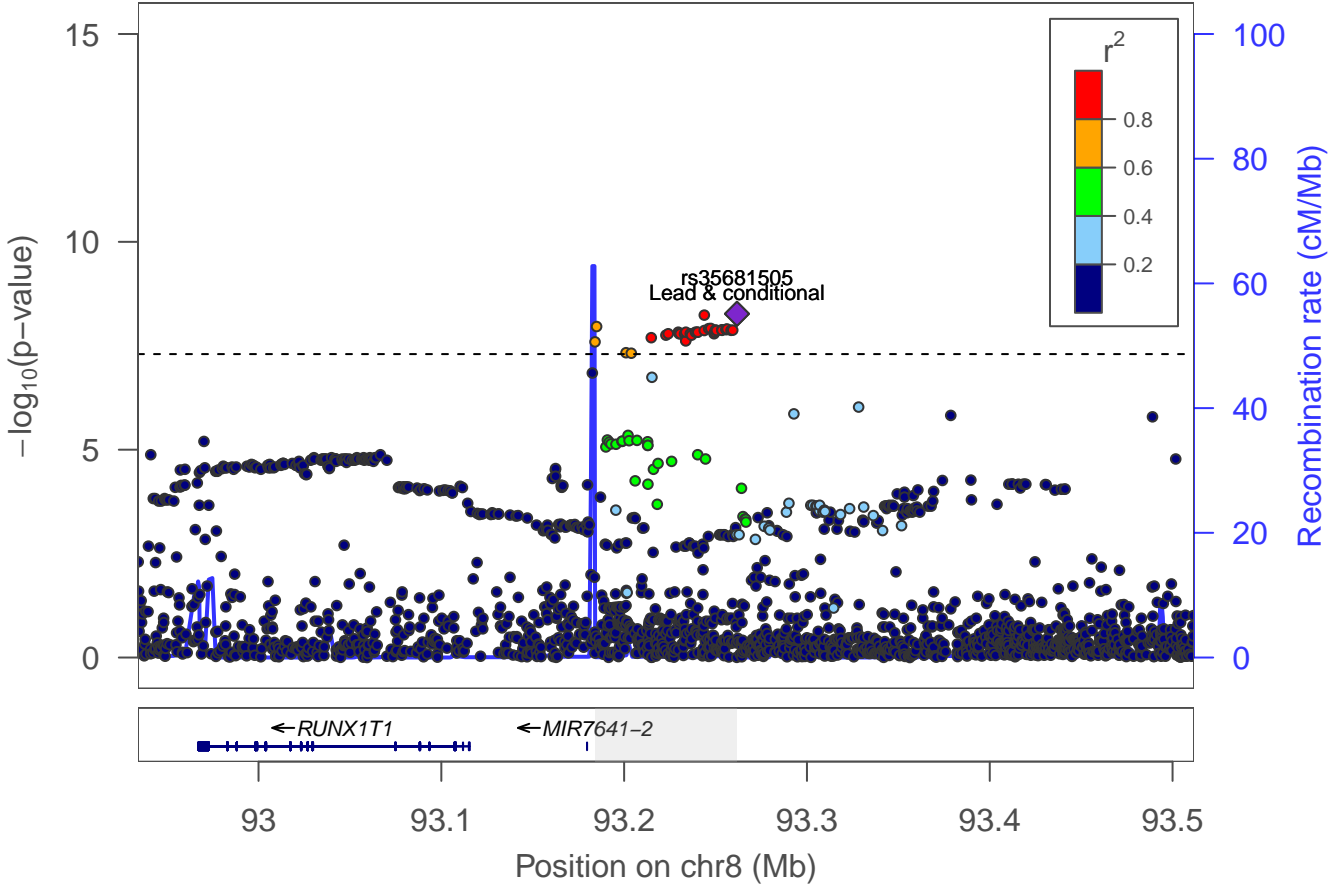
Number of sexual partners: locus 60 [chr 8:65.438–65.682Mb]



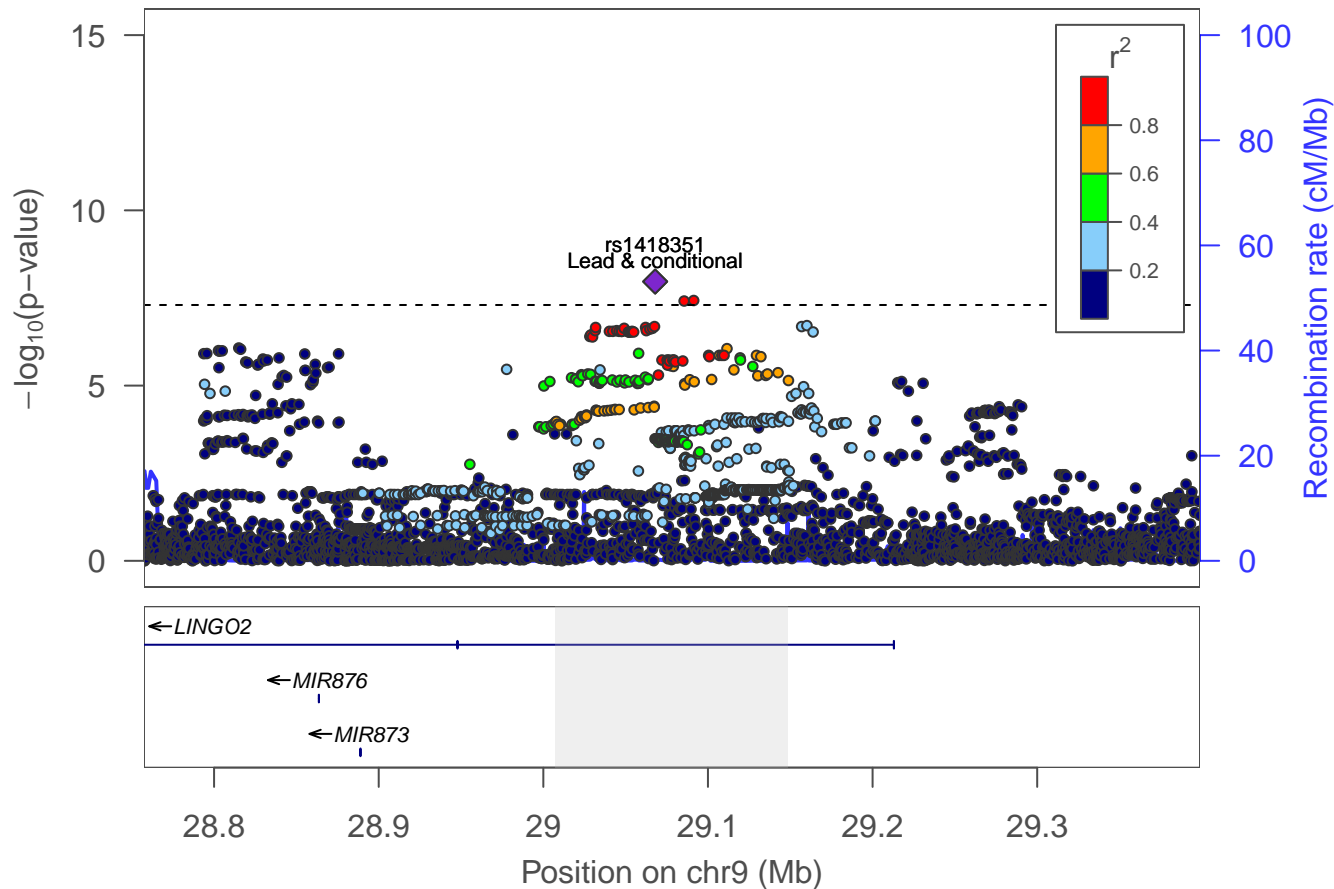
Number of sexual partners: locus 61 [chr 8:76.750–76.773Mb]



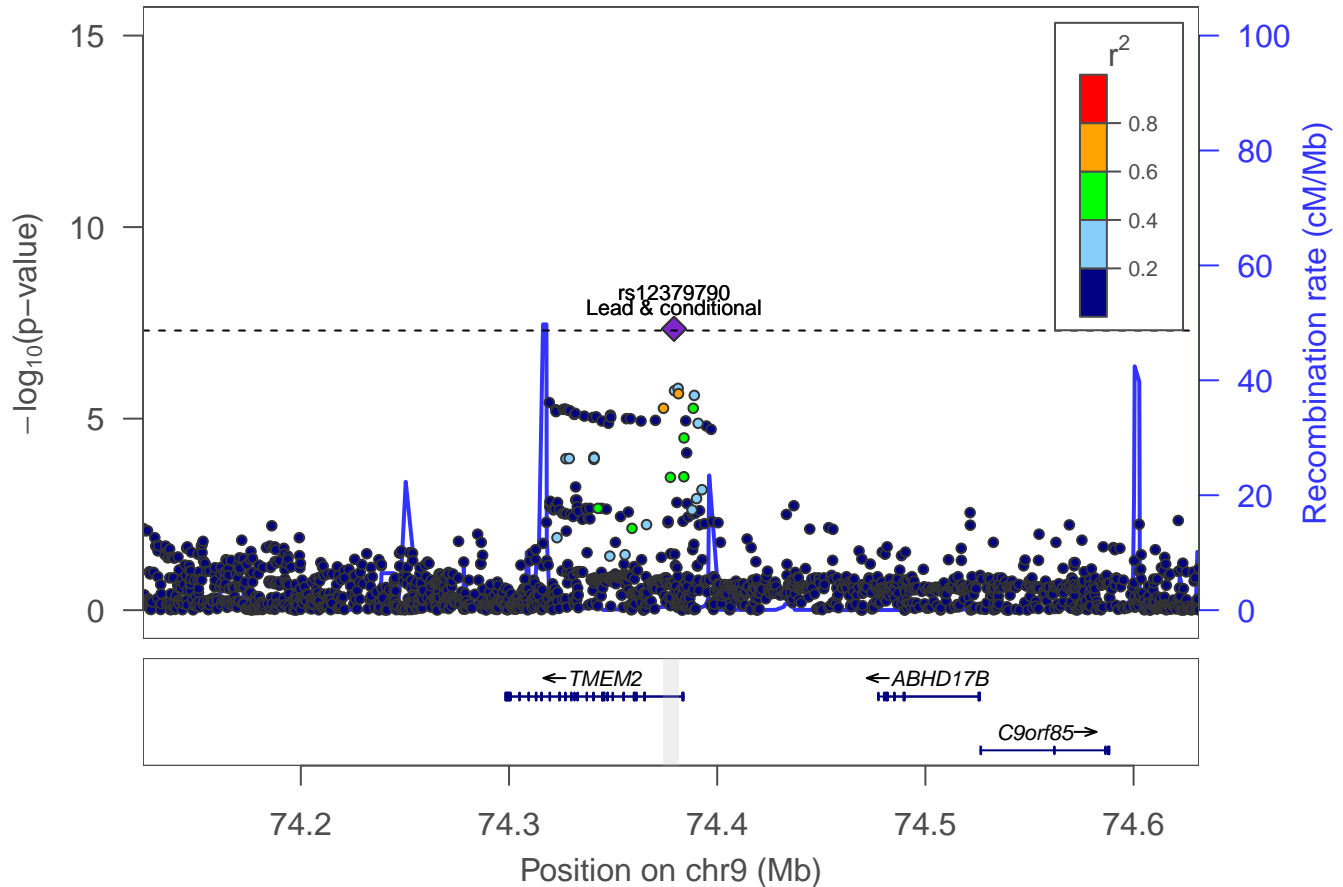
Number of sexual partners: locus 62 [chr 8:93.184–93.262Mb]



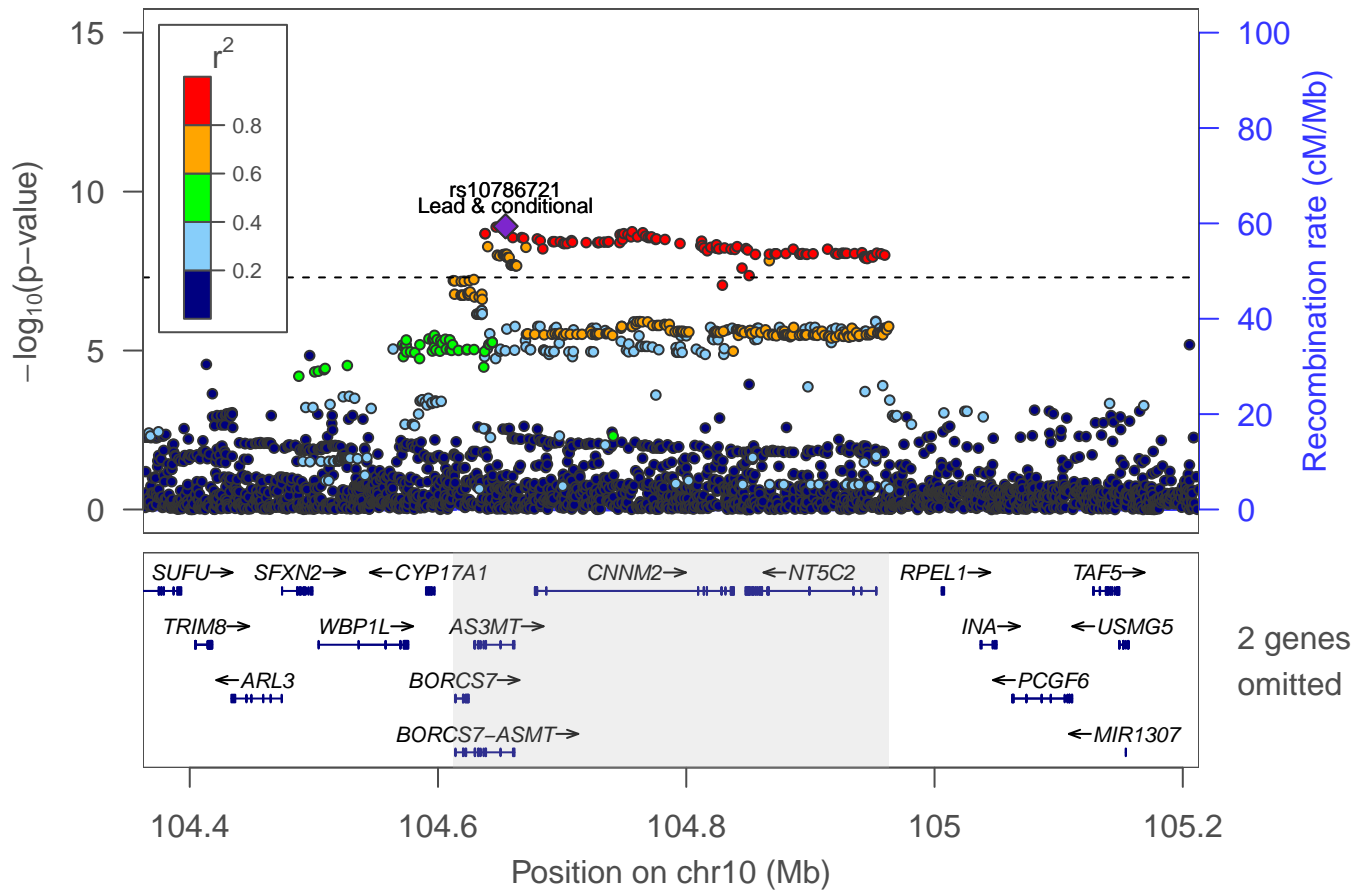
Number of sexual partners: locus 63 [chr 9:29.007–29.149Mb]



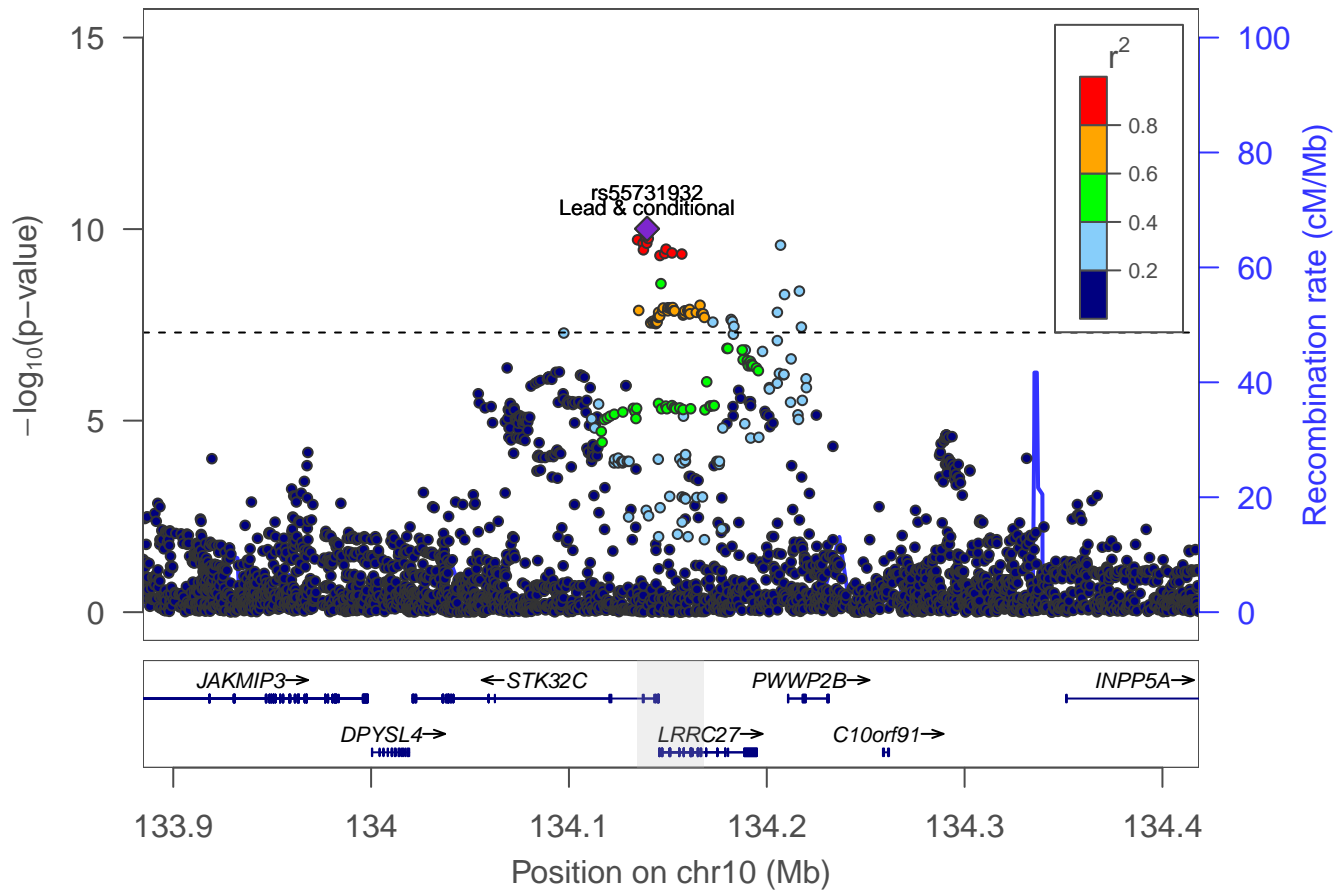
Number of sexual partners: locus 64 [chr 9:74.374–74.381Mb]



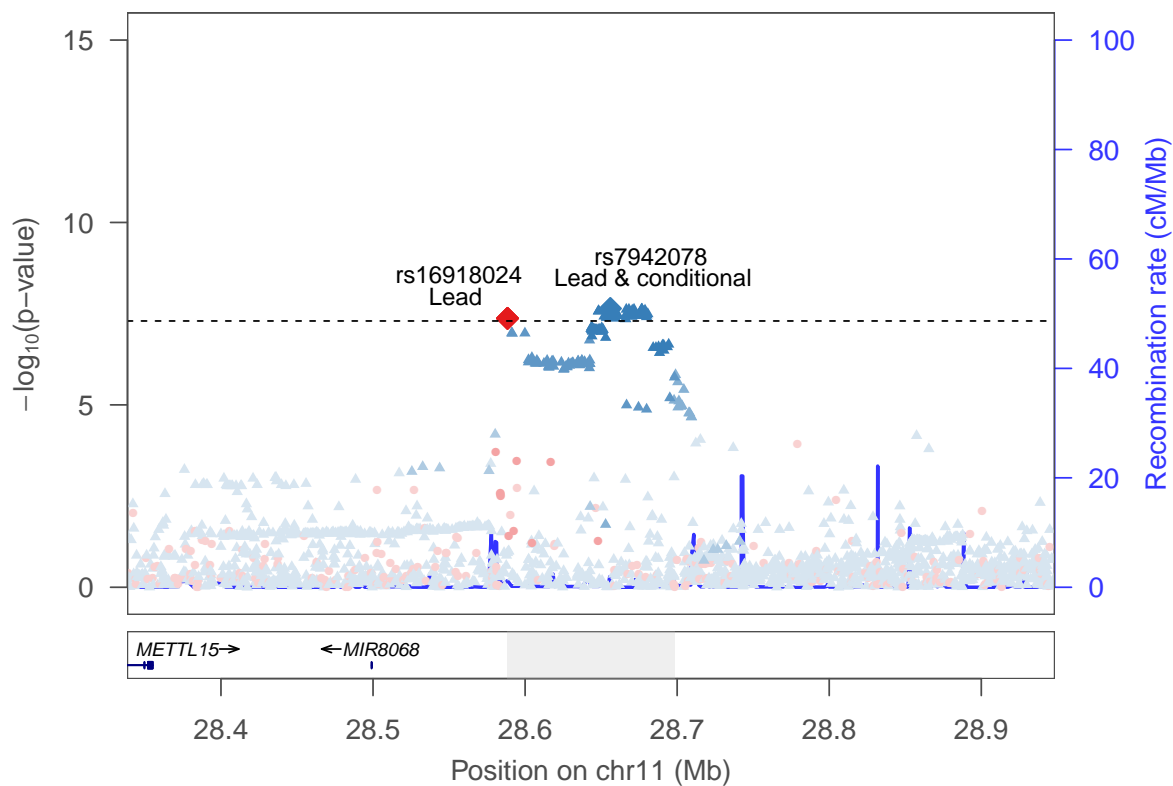
Number of sexual partners: locus 65 [chr 10:104.612–104.963Mb]



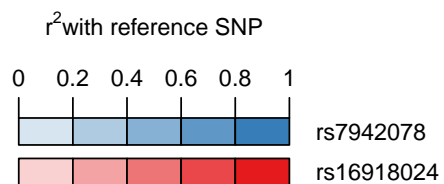
Number of sexual partners: locus 66 [chr 10:134.135–134.168Mb]



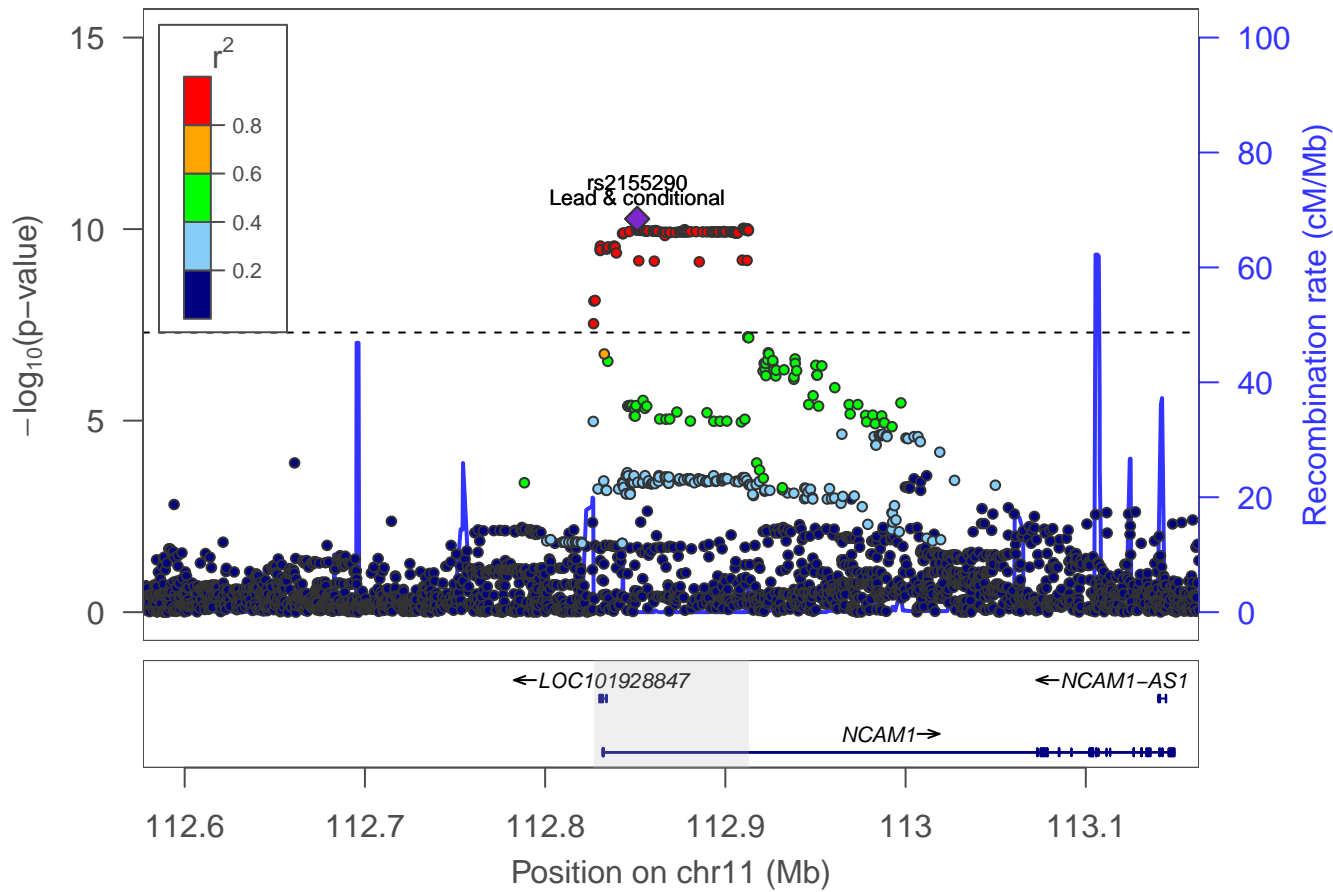
Number of sexual partners: Locus 67 [chr 11: 28.588–28.698Mb]



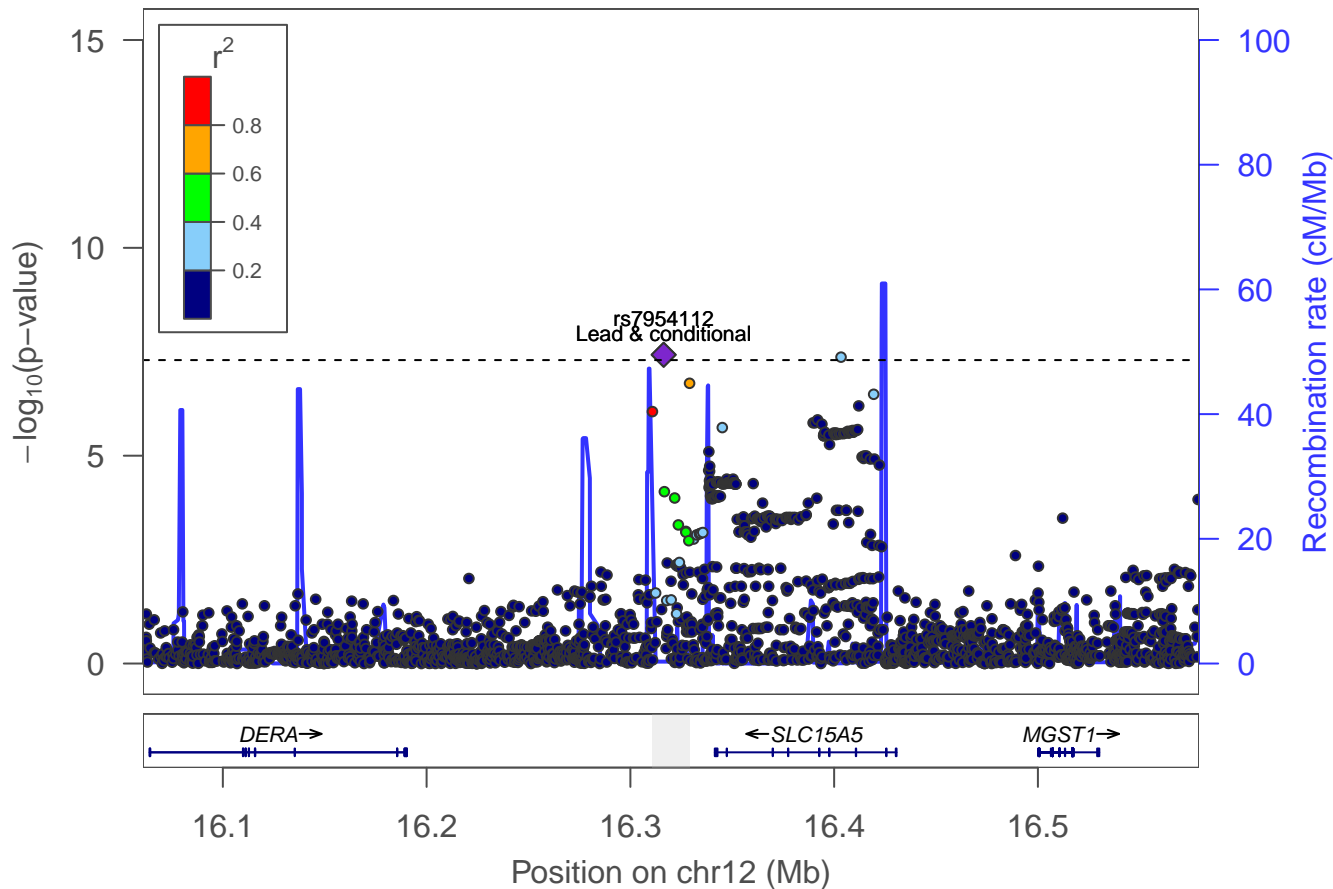
rs7942078 ▲
rs16918024 ●



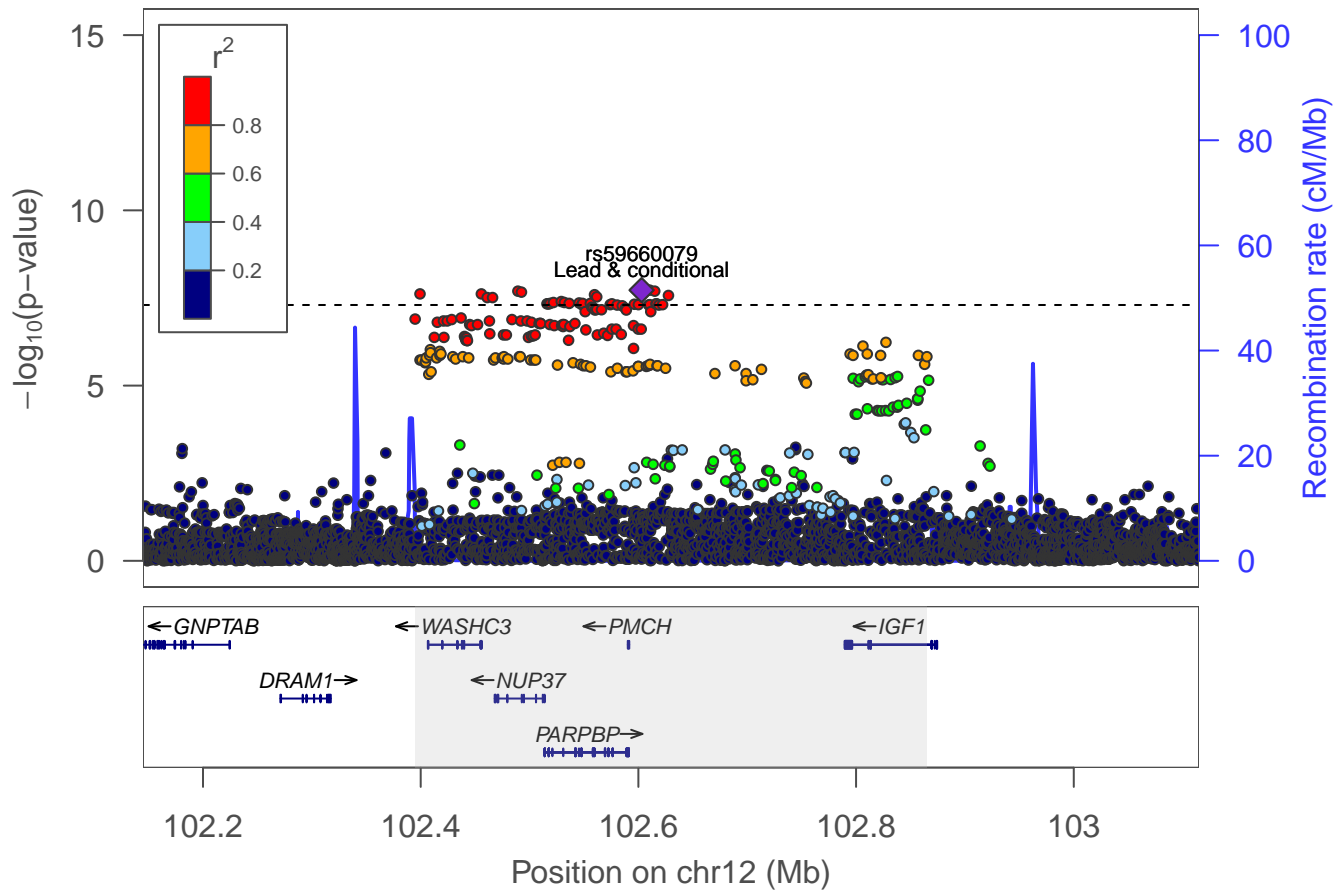
Number of sexual partners: locus 68 [chr 11:112.827–112.913Mb]



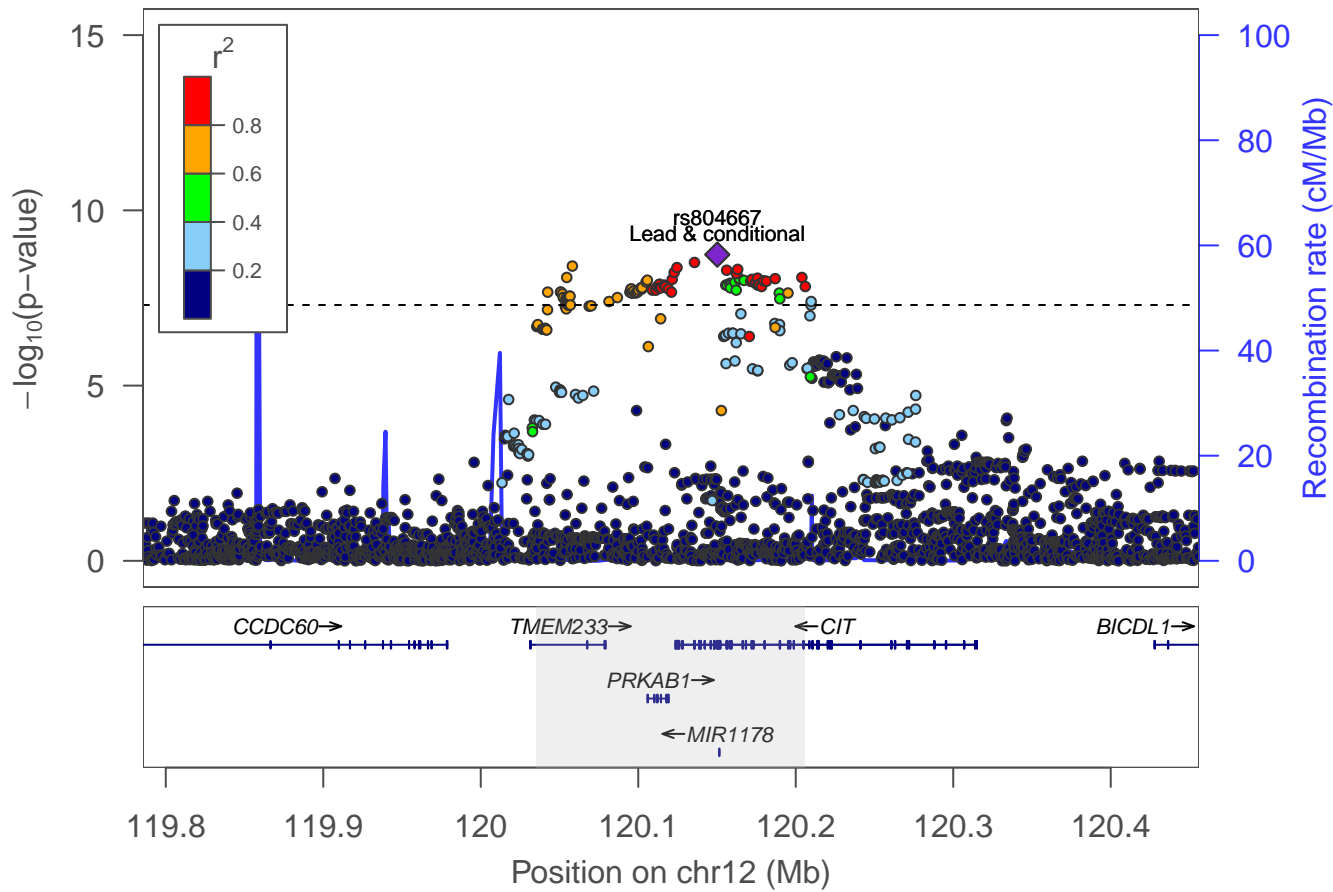
Number of sexual partners: locus 69 [chr 12:16.311–16.329Mb]



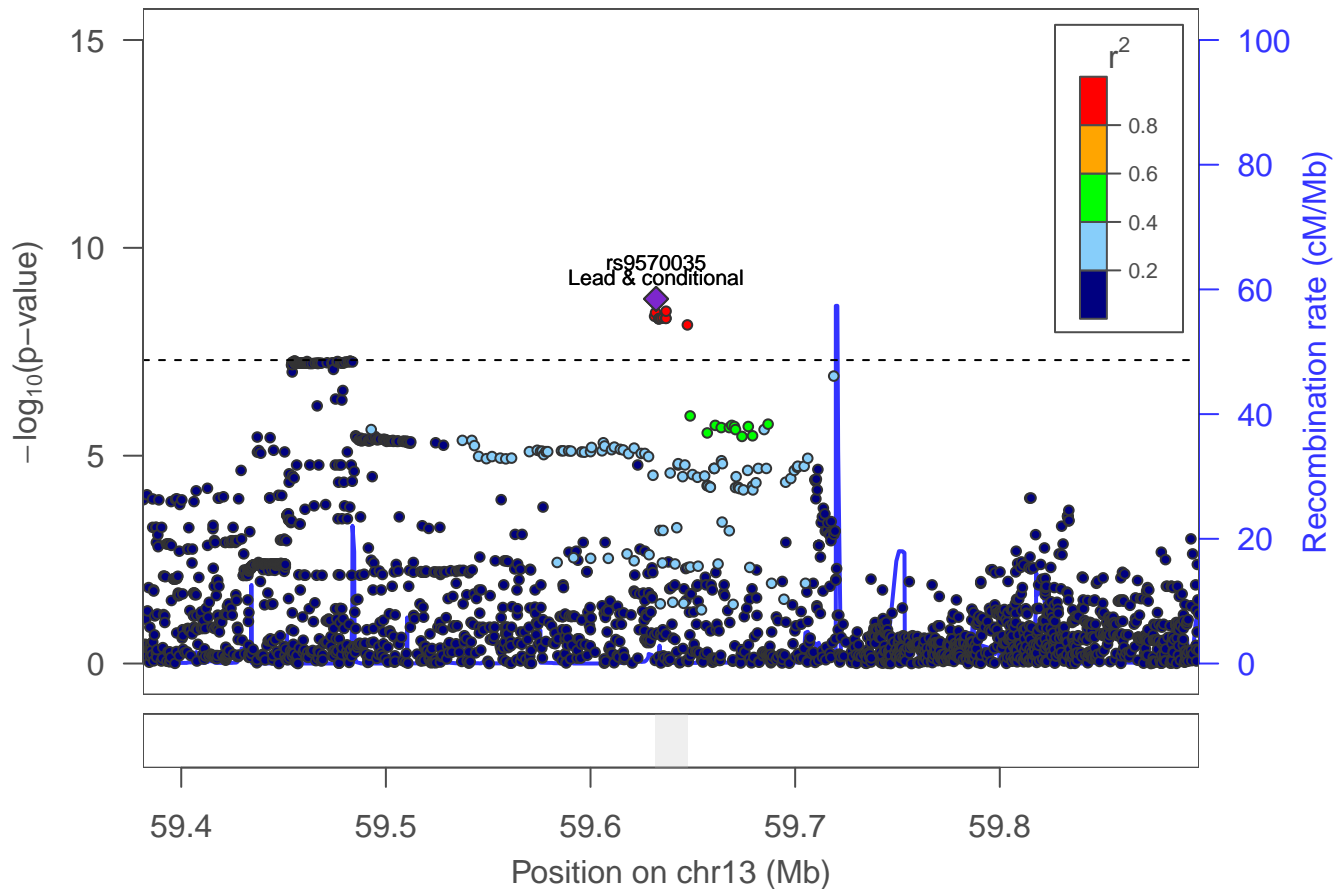
Number of sexual partners: locus 70 [chr 12:102.395–102.865Mb]



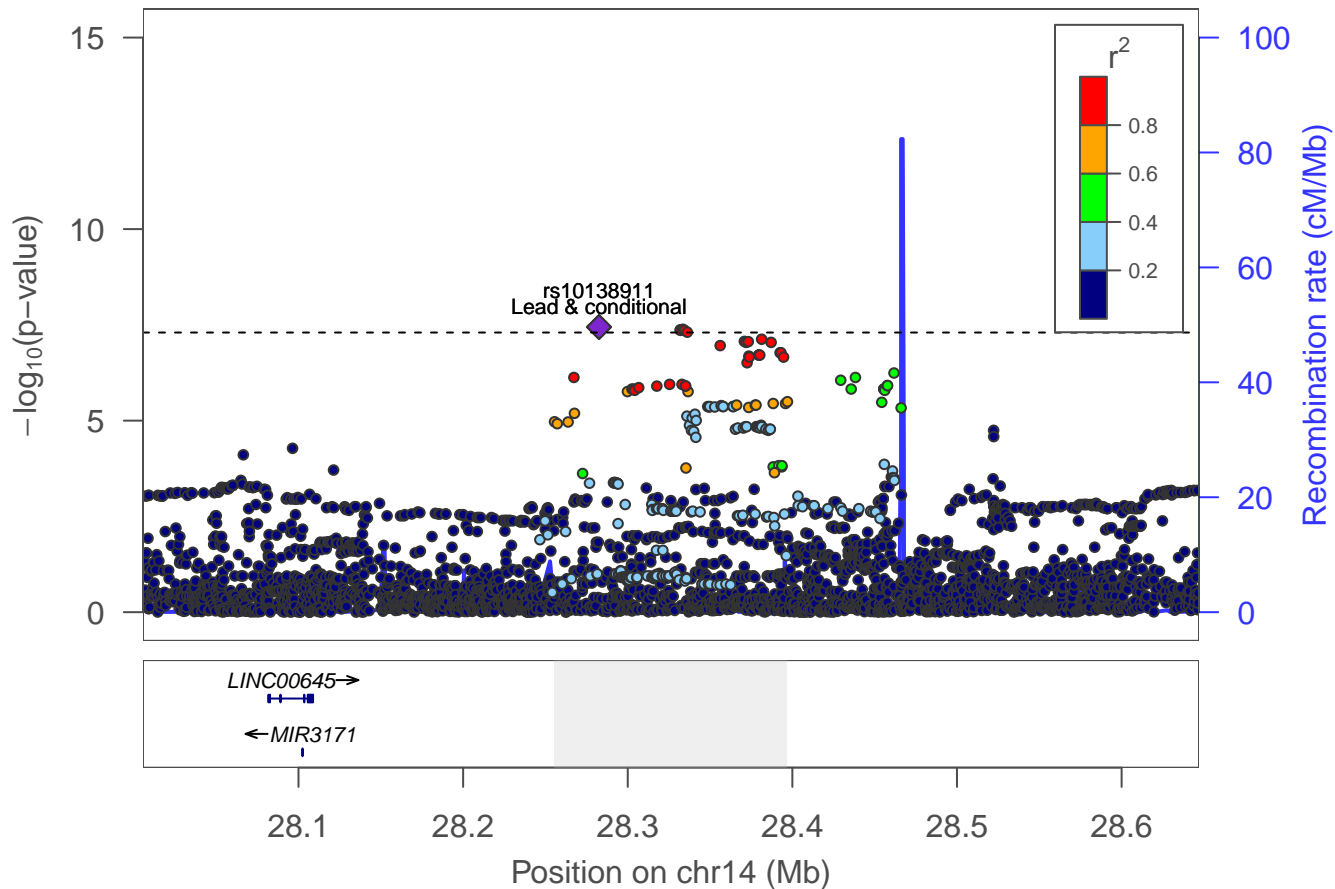
Number of sexual partners: locus 71 [chr 12:120.036–120.206Mb]



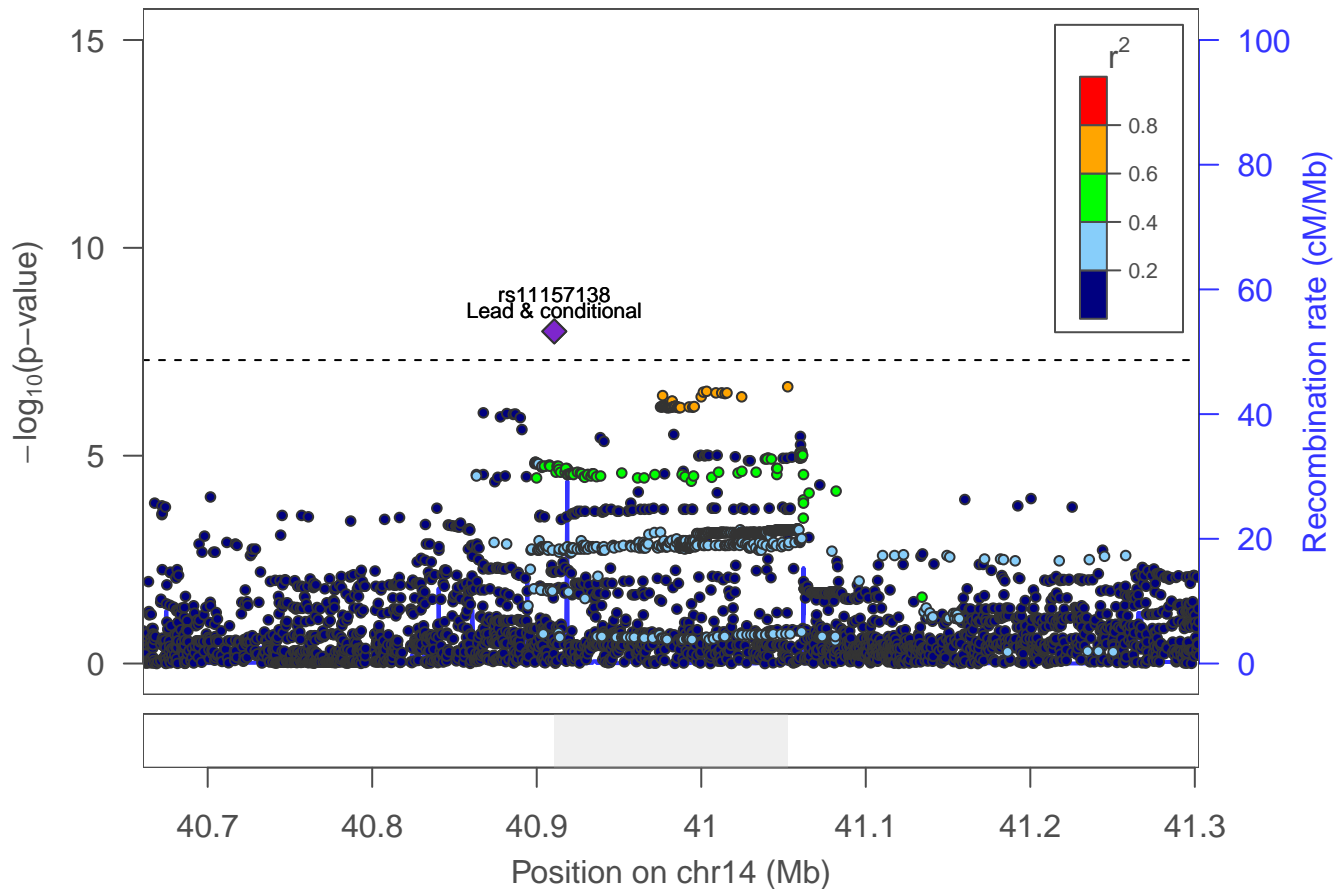
Number of sexual partners: locus 72 [chr 13:59.631–59.647Mb]



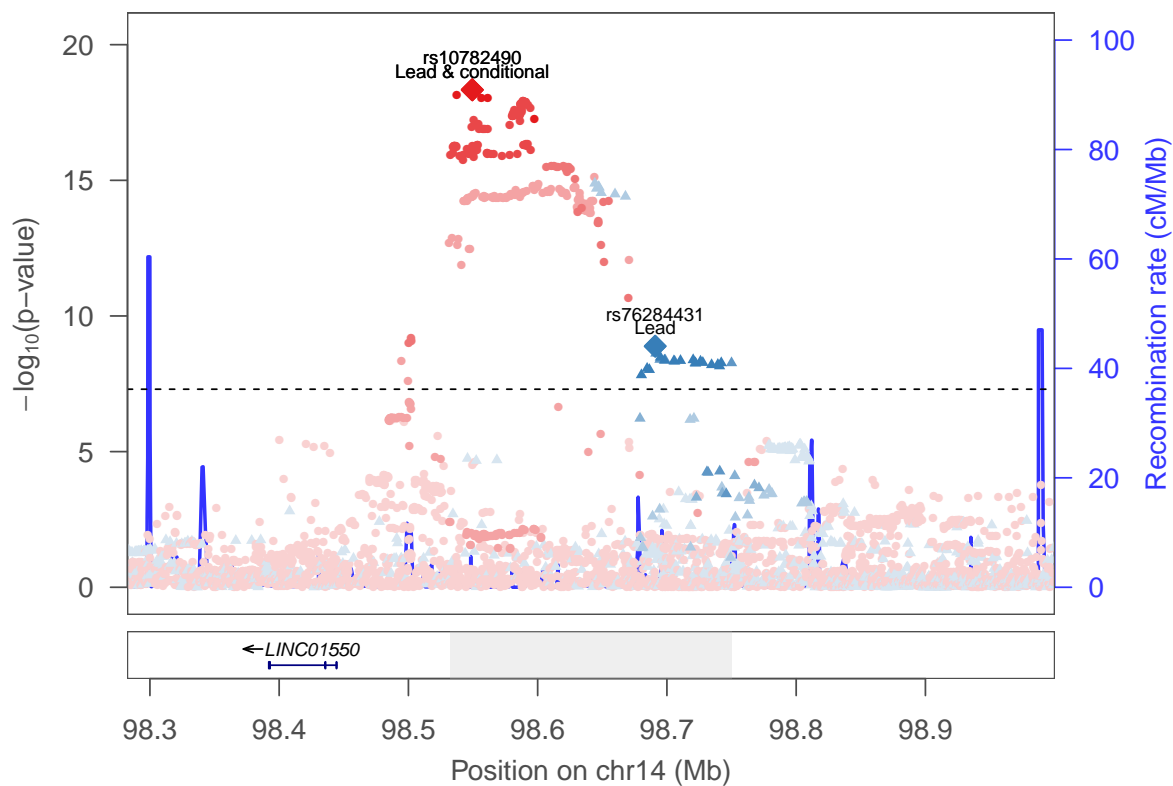
Number of sexual partners: locus 73 [chr 14:28.256–28.397Mb]



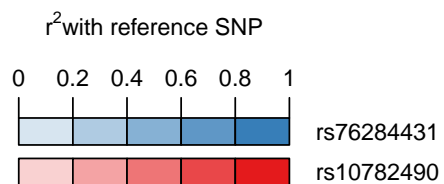
Number of sexual partners: locus 74 [chr 14:40.911–41.053Mb]



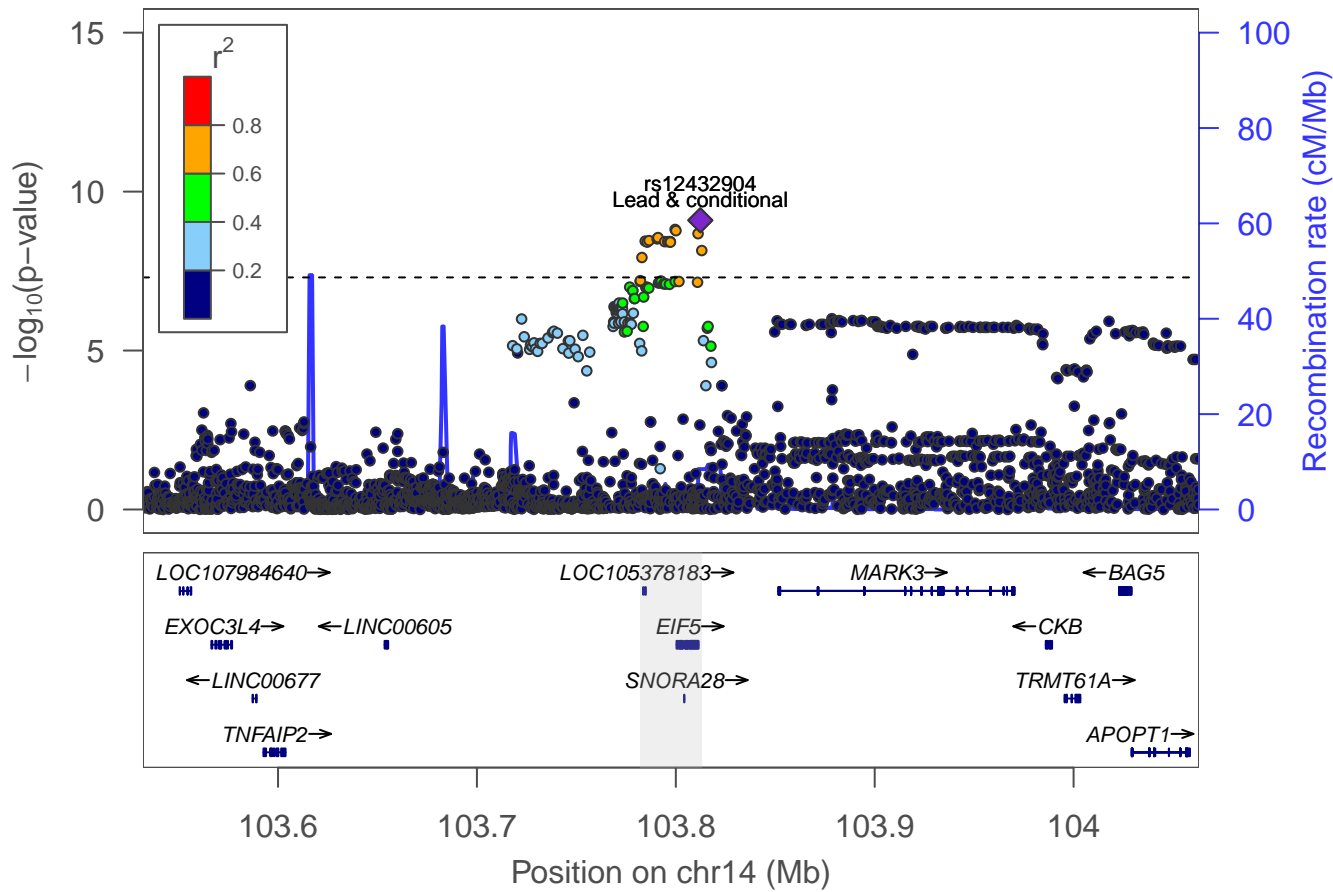
Number of sexual partners: Locus 75 [chr 14: 98.533–98.750Mb]



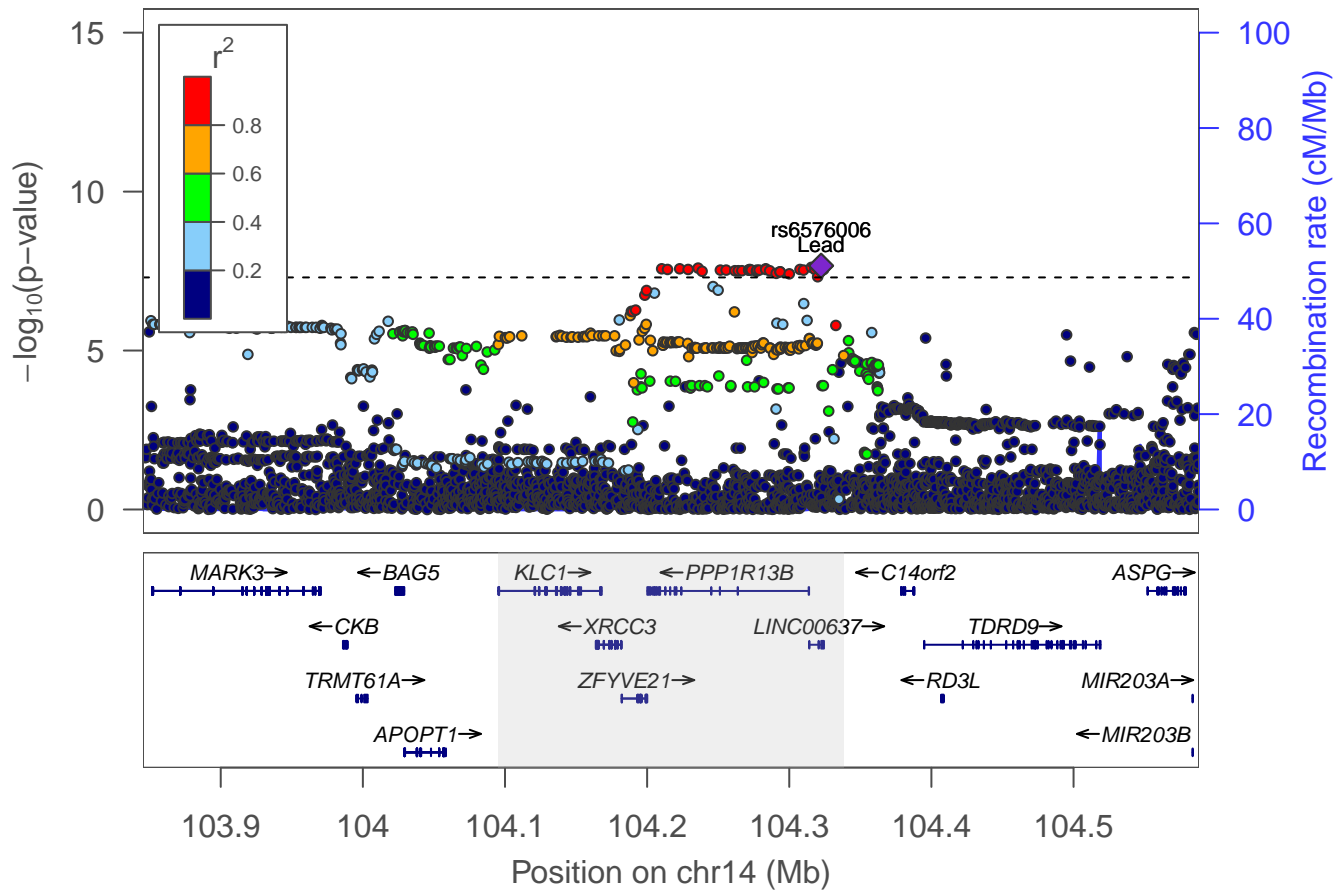
rs76284431 ▲
rs10782490 ●



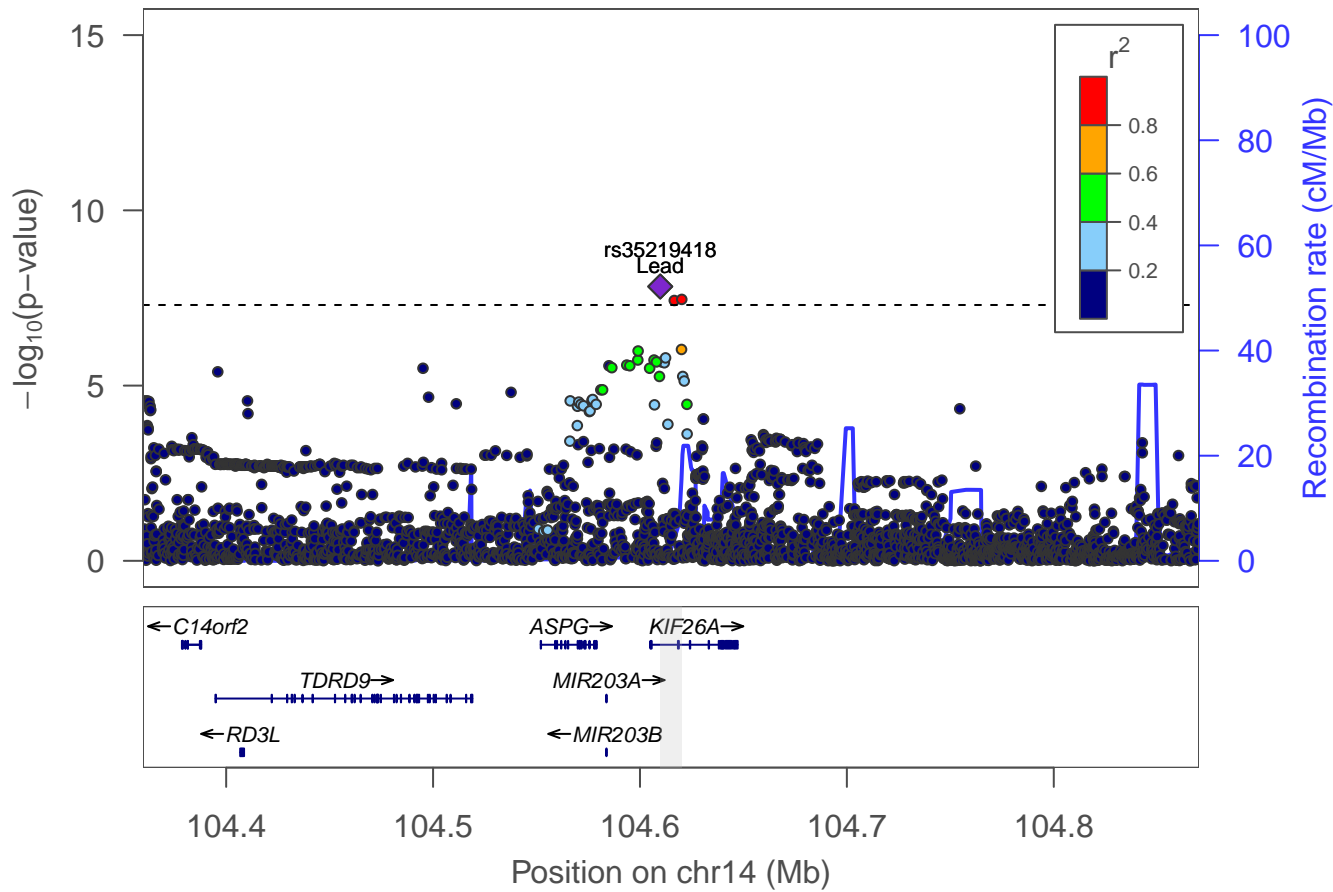
Number of sexual partners: locus 76 [chr 14:103.782–103.813Mb]



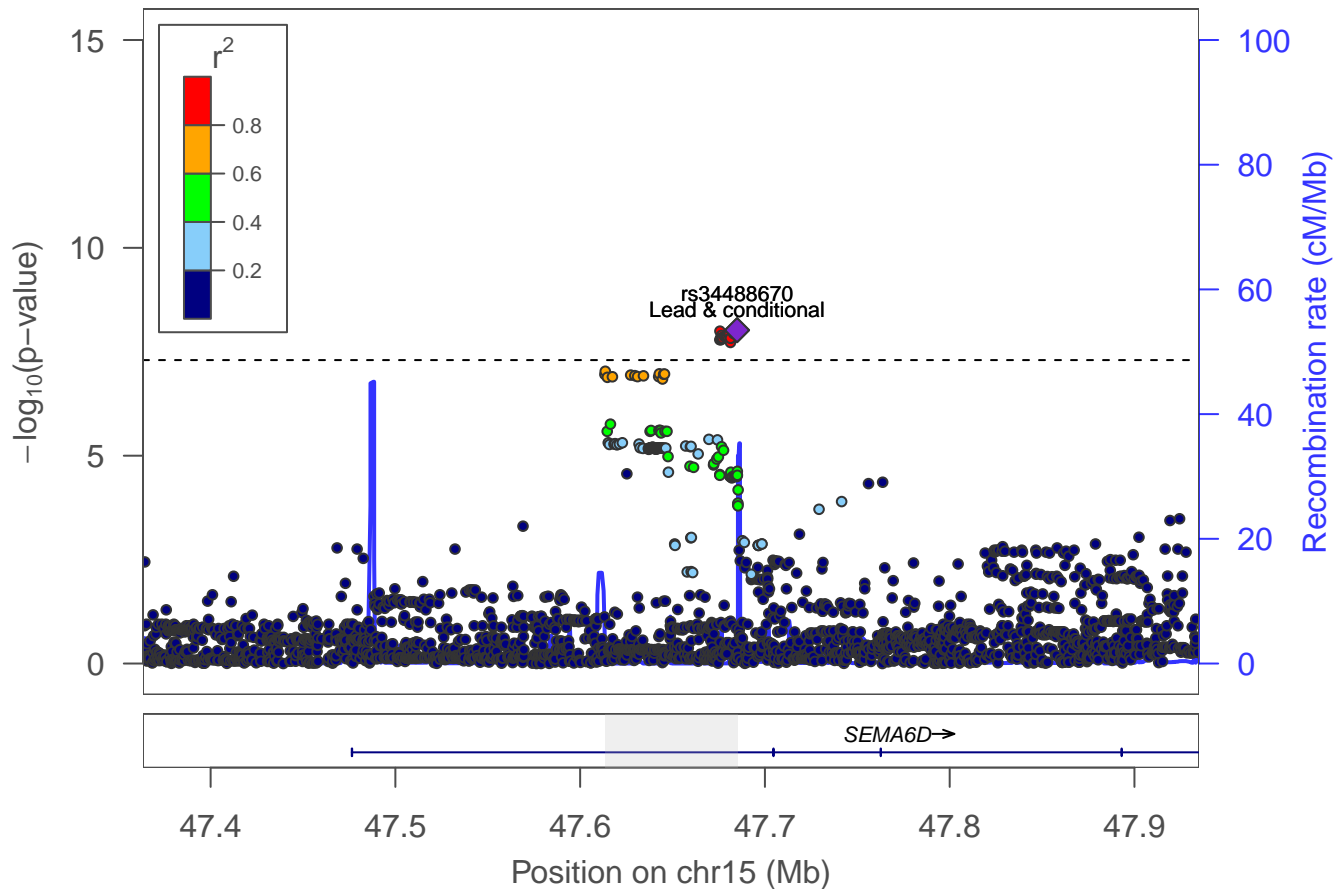
Number of sexual partners: locus 77 [chr 14:104.095–104.338Mb]



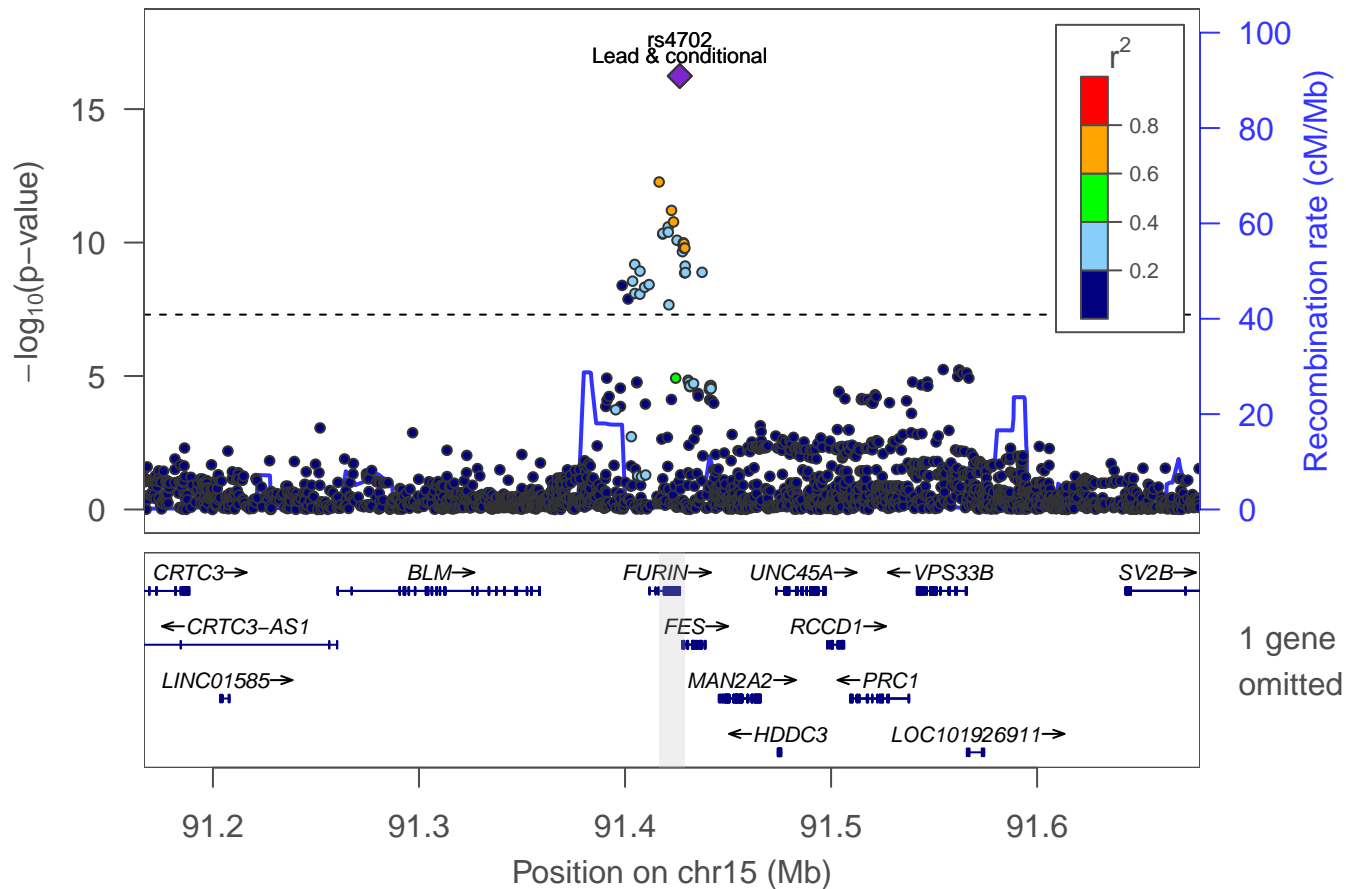
Number of sexual partners: locus 78 [chr 14:104.610–104.620Mb]



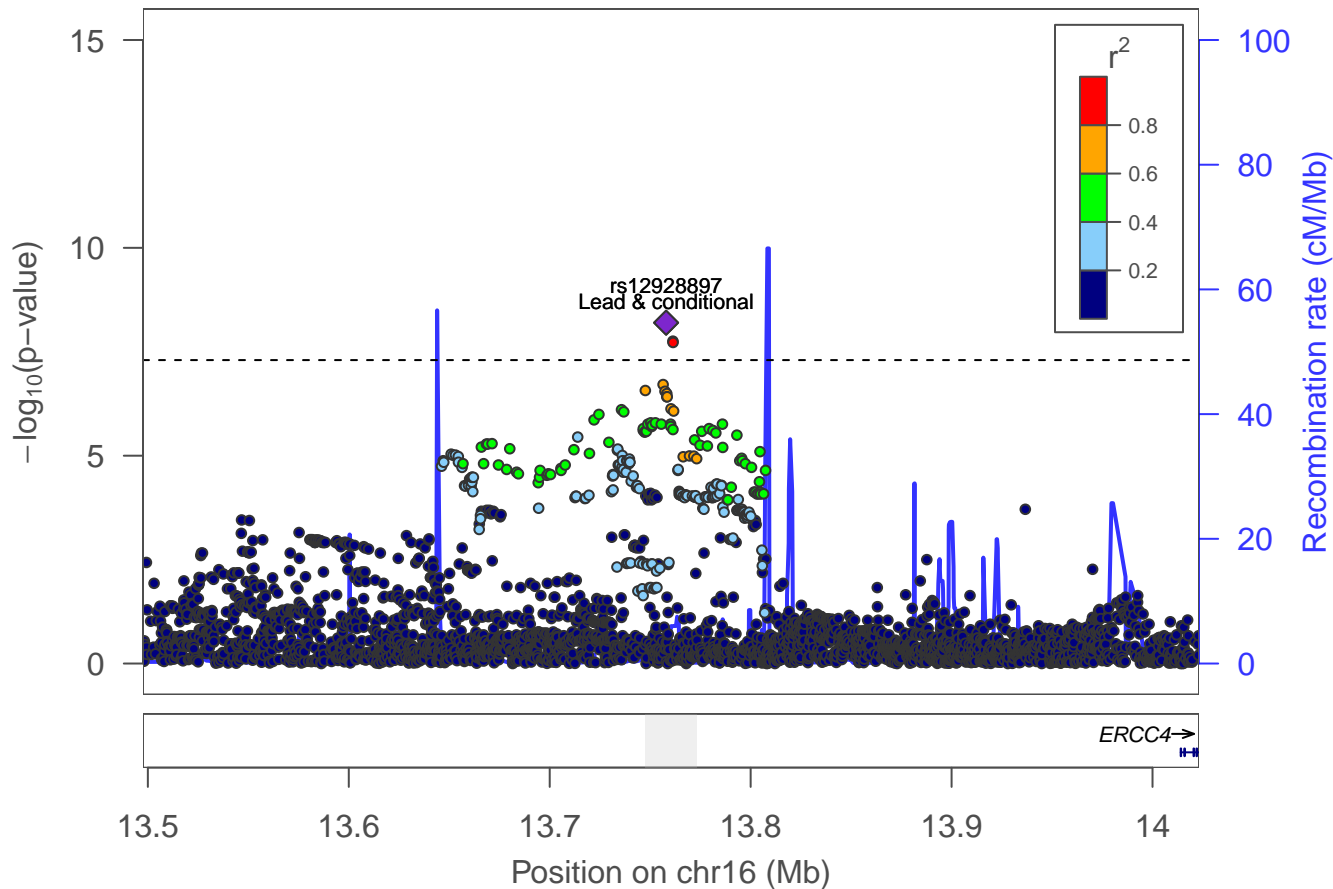
Number of sexual partners: locus 79 [chr 15:47.613–47.685Mb]



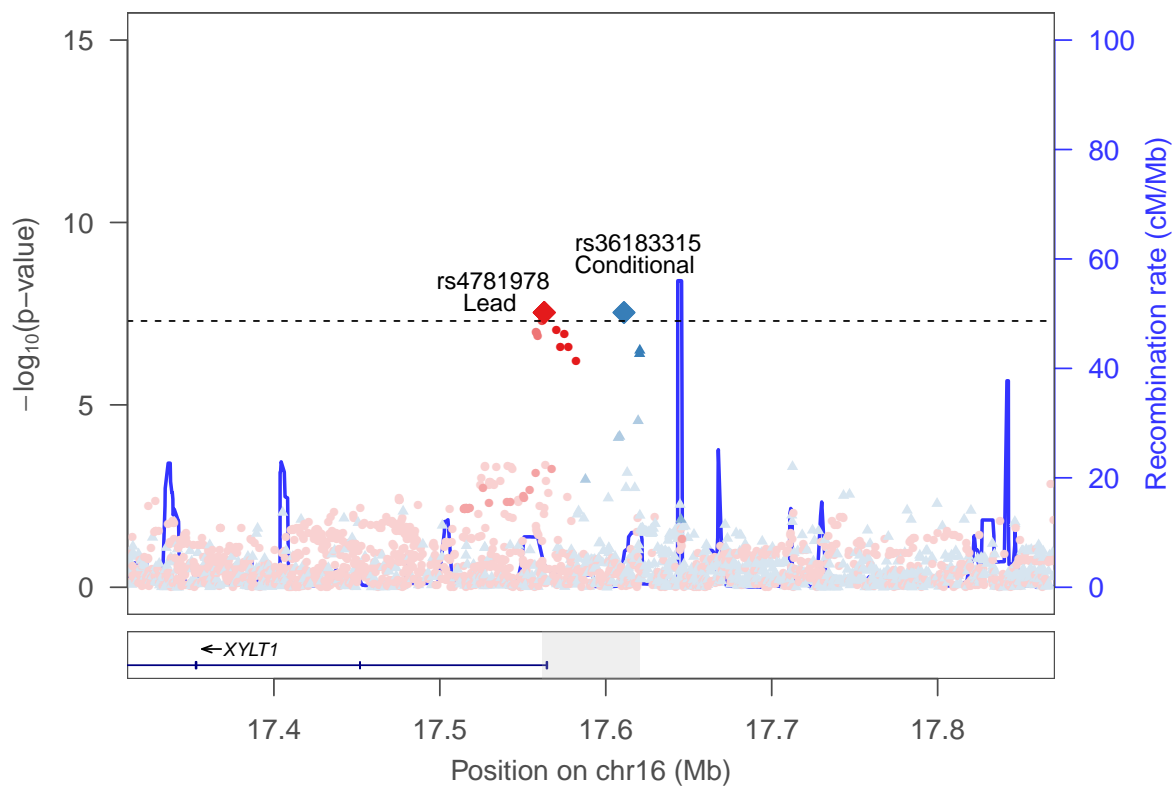
Number of sexual partners: locus 80 [chr 15:91.417–91.429Mb]



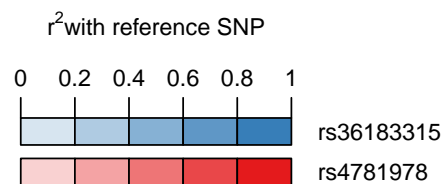
Number of sexual partners: locus 81 [chr 16:13.748–13.773Mb]



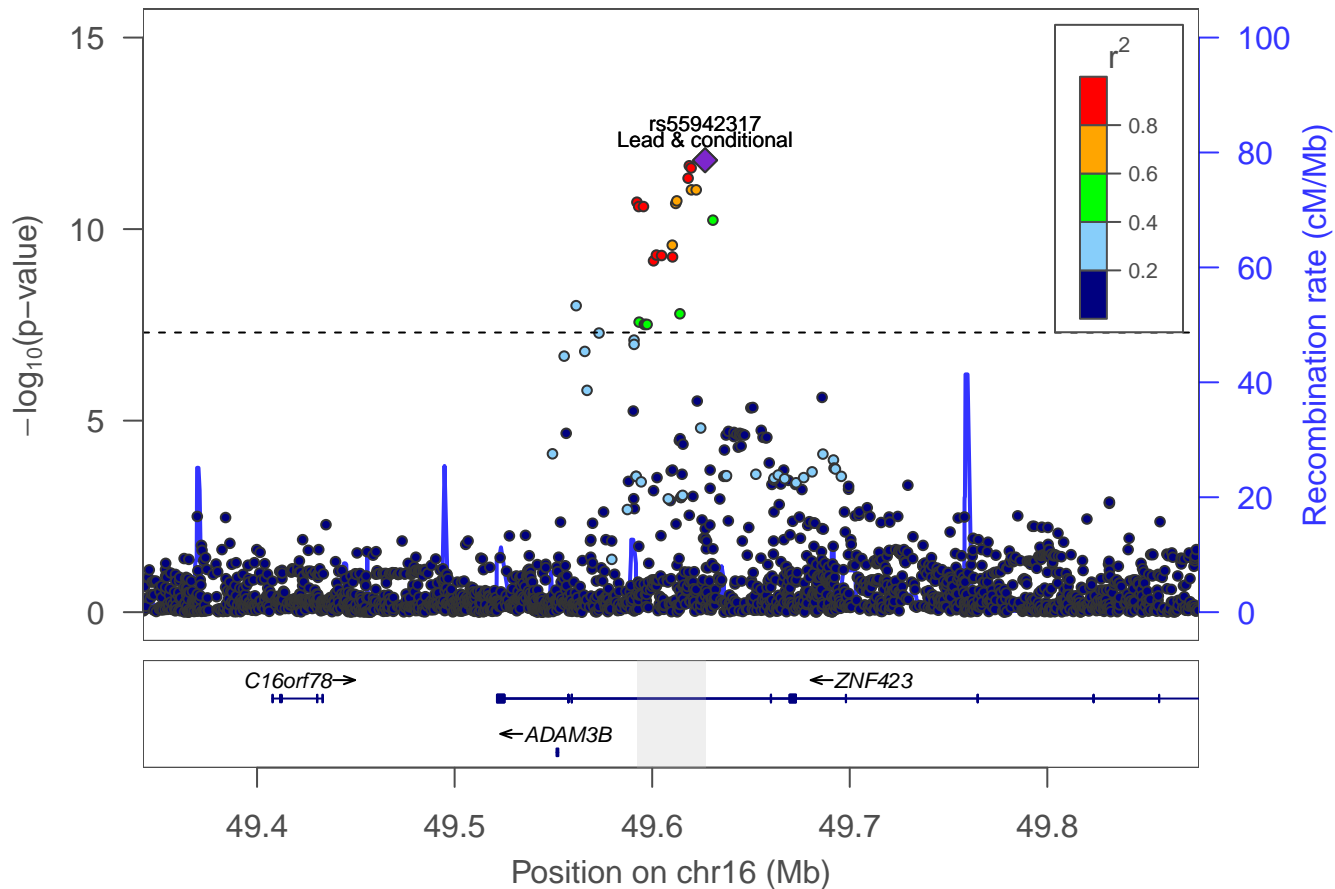
Number of sexual partners: Locus 82 [chr 16: 17.562–17.621Mb]



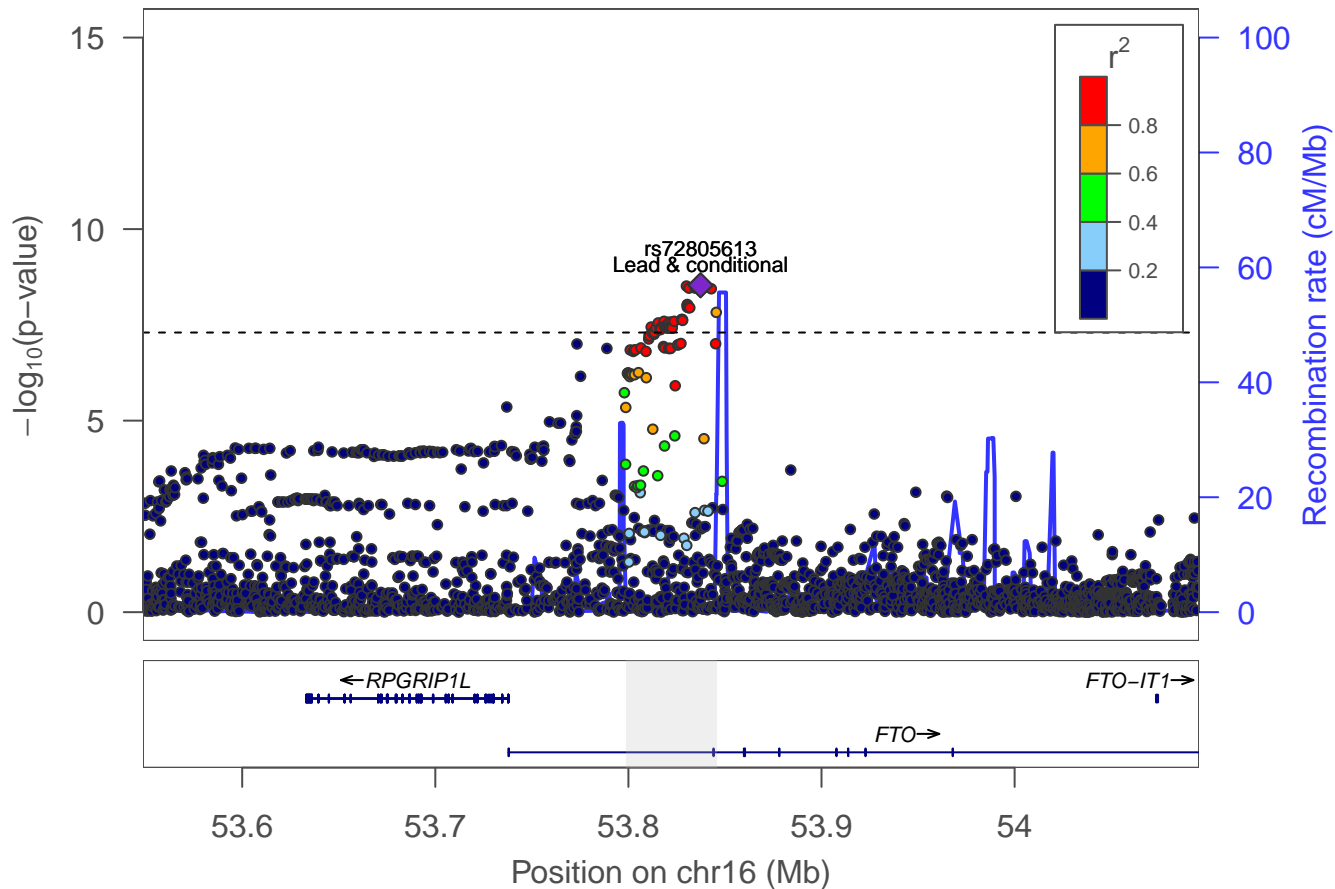
rs36183315 ▲
rs4781978 ●



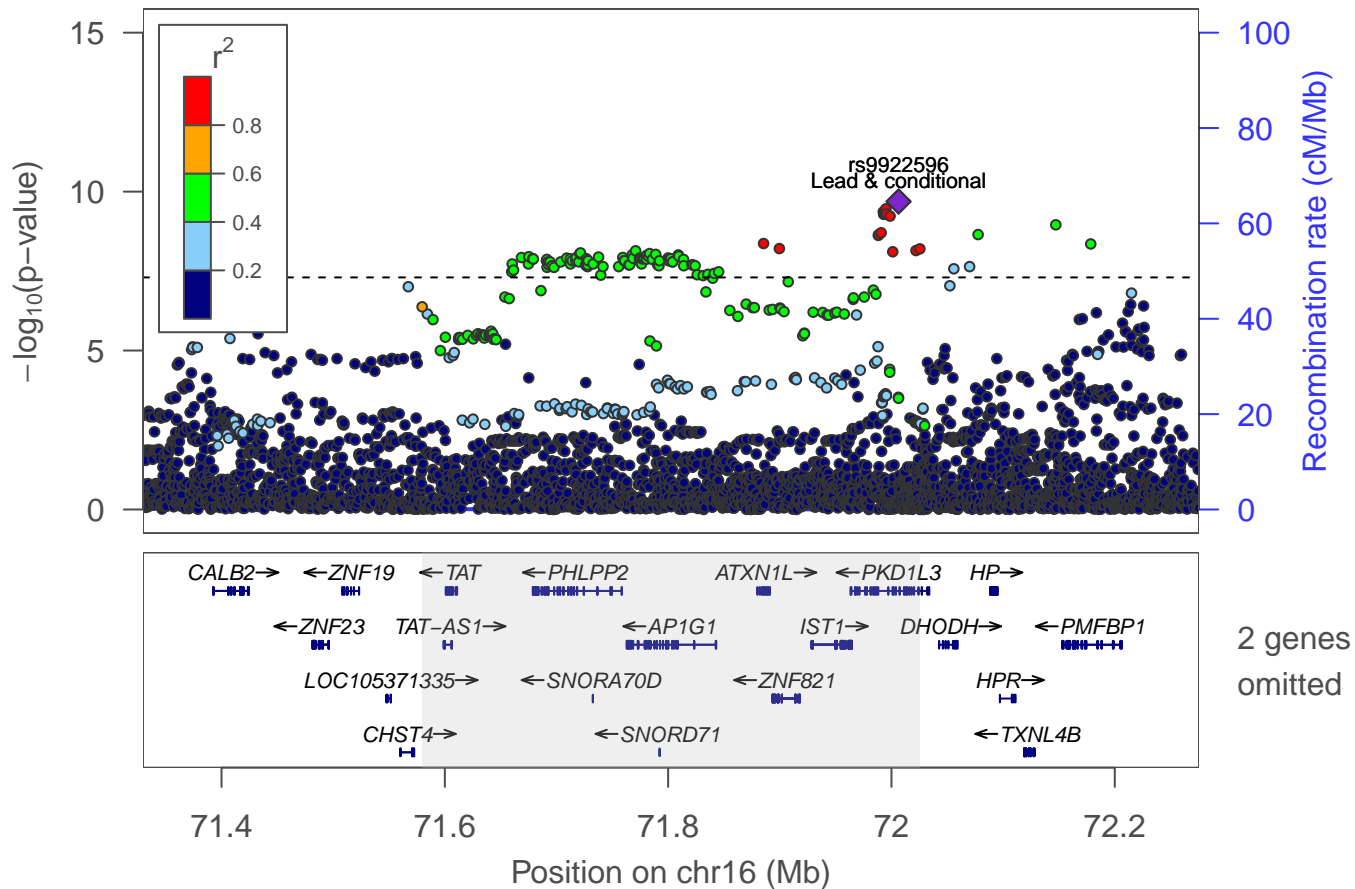
Number of sexual partners: locus 83 [chr 16:49.592–49.627Mb]



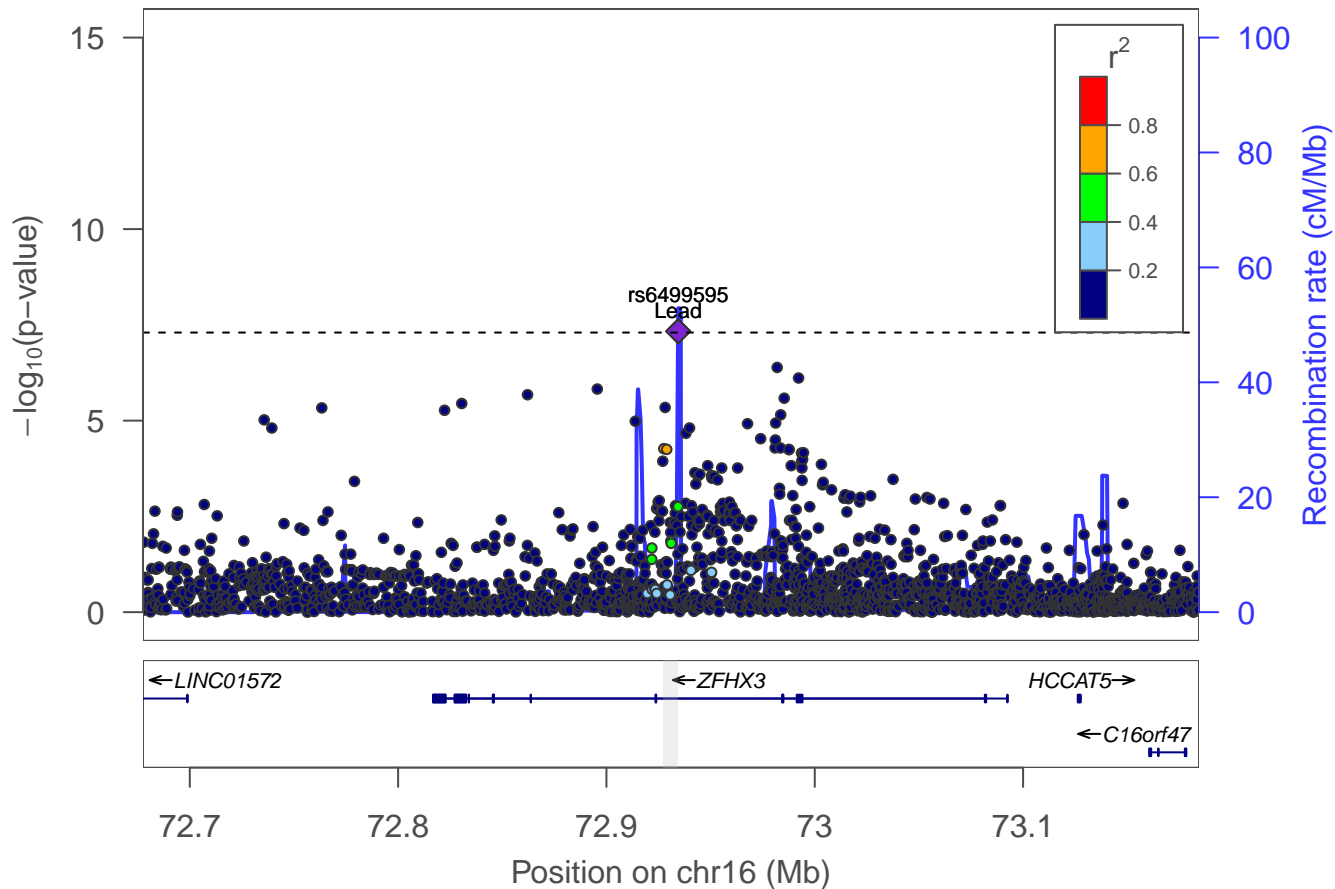
Number of sexual partners: locus 84 [chr 16:53.799–53.845Mb]



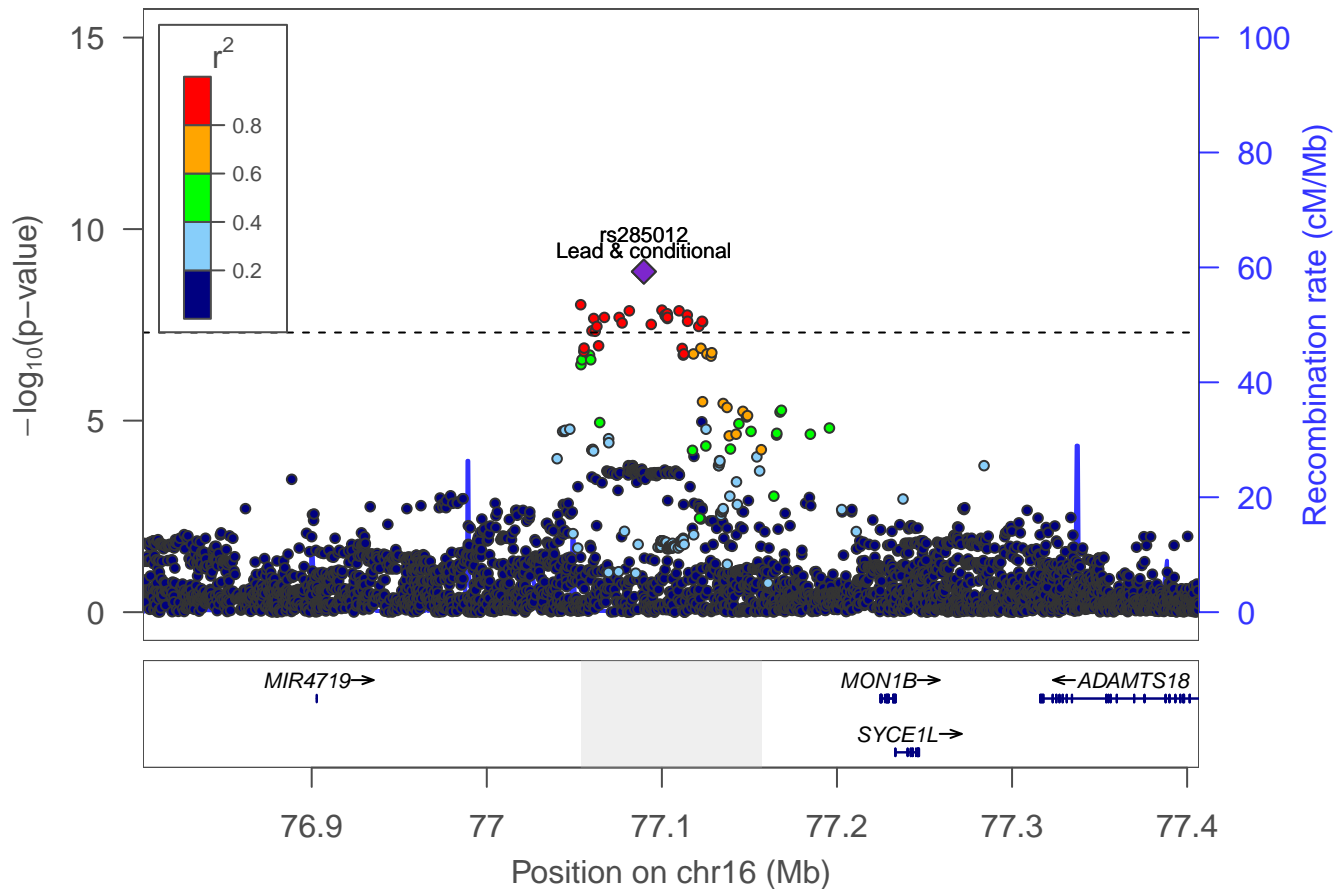
Number of sexual partners: locus 85 [chr 16:71.580–72.025Mb]



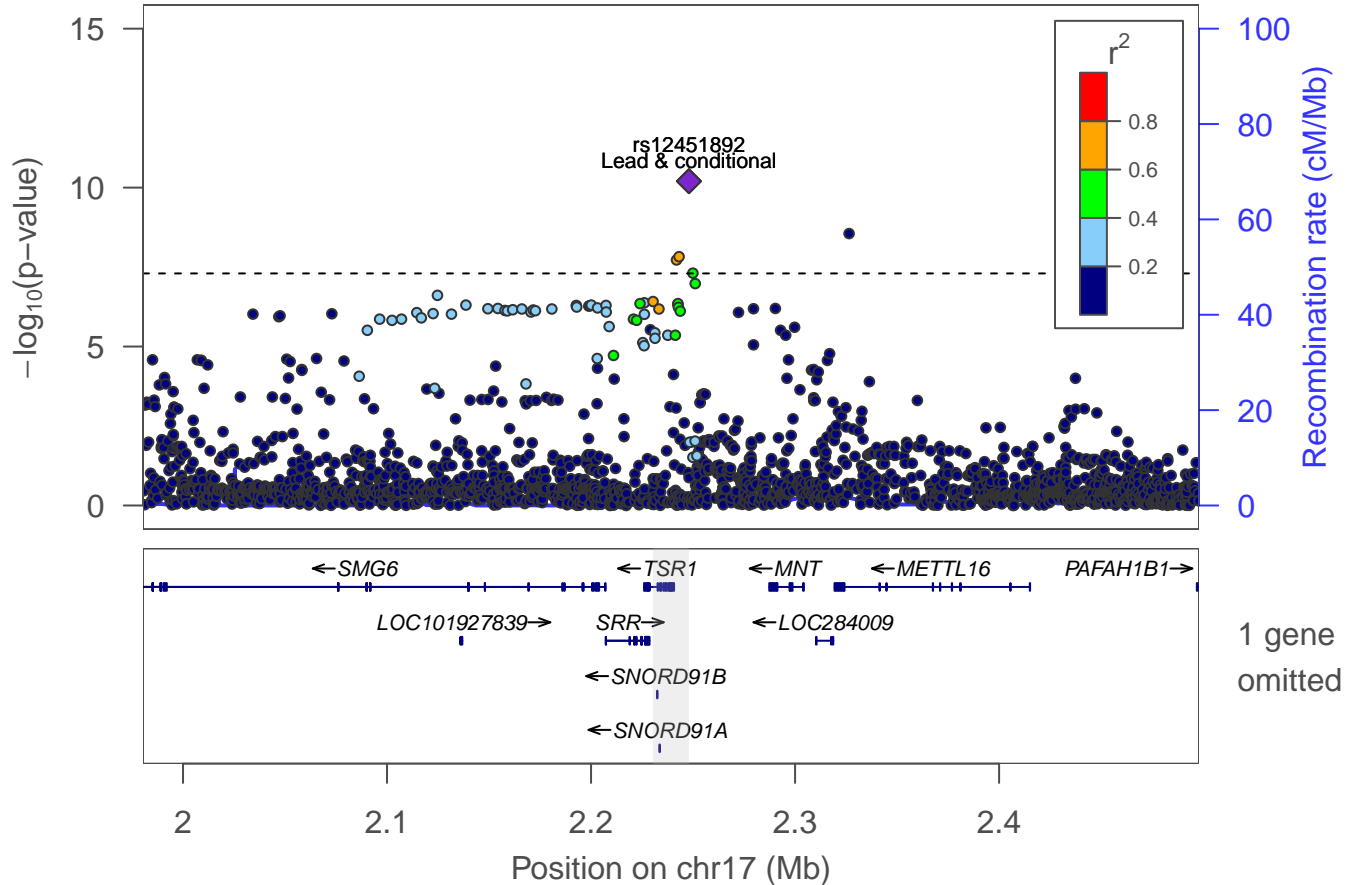
Number of sexual partners: locus 86 [chr 16:72.928–72.934Mb]



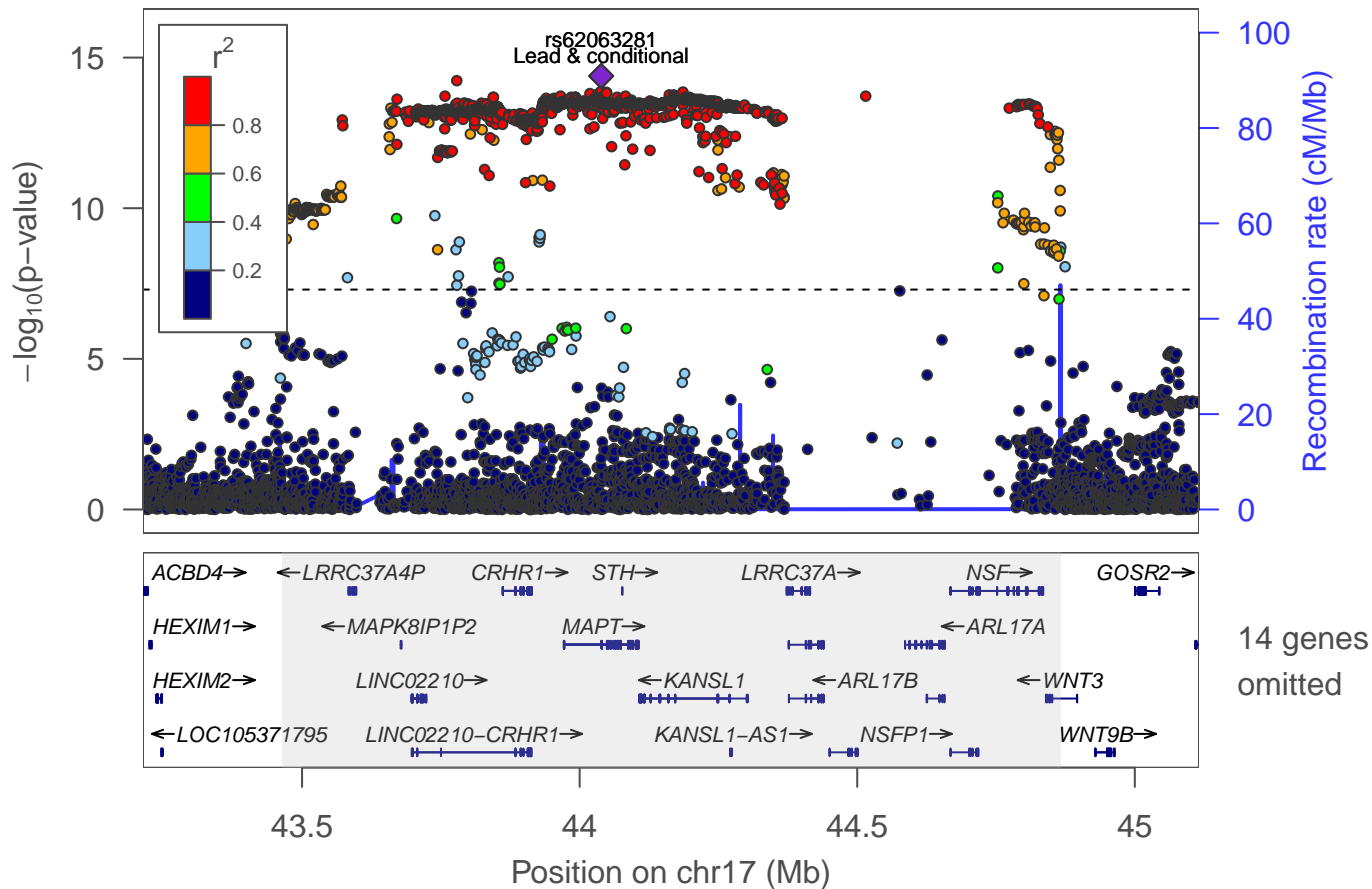
Number of sexual partners: locus 87 [chr 16:77.054–77.157Mb]



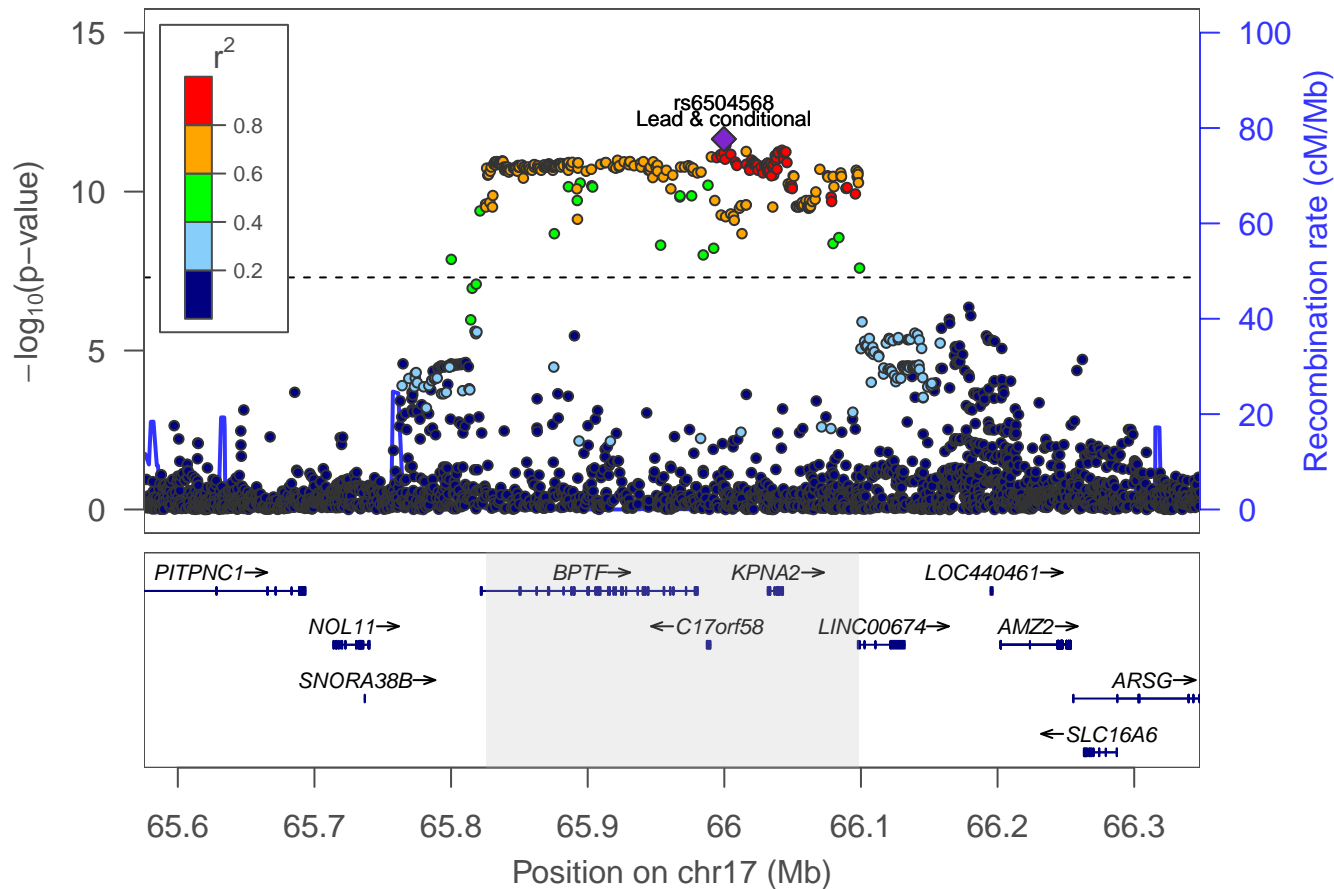
Number of sexual partners: locus 88 [chr 17:2.230–2.248Mb]



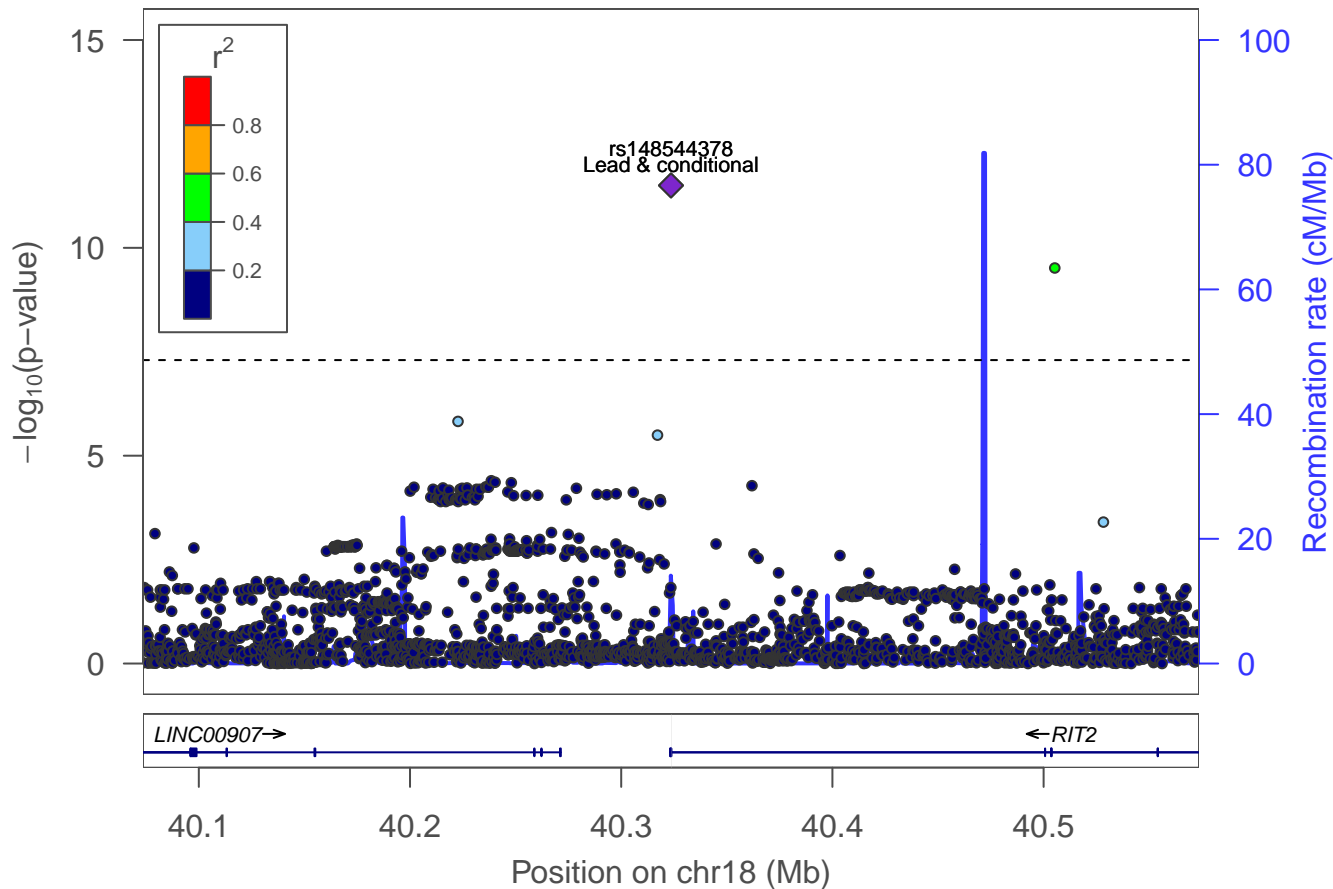
Number of sexual partners: locus 89 [chr 17:43.463–44.866Mb]



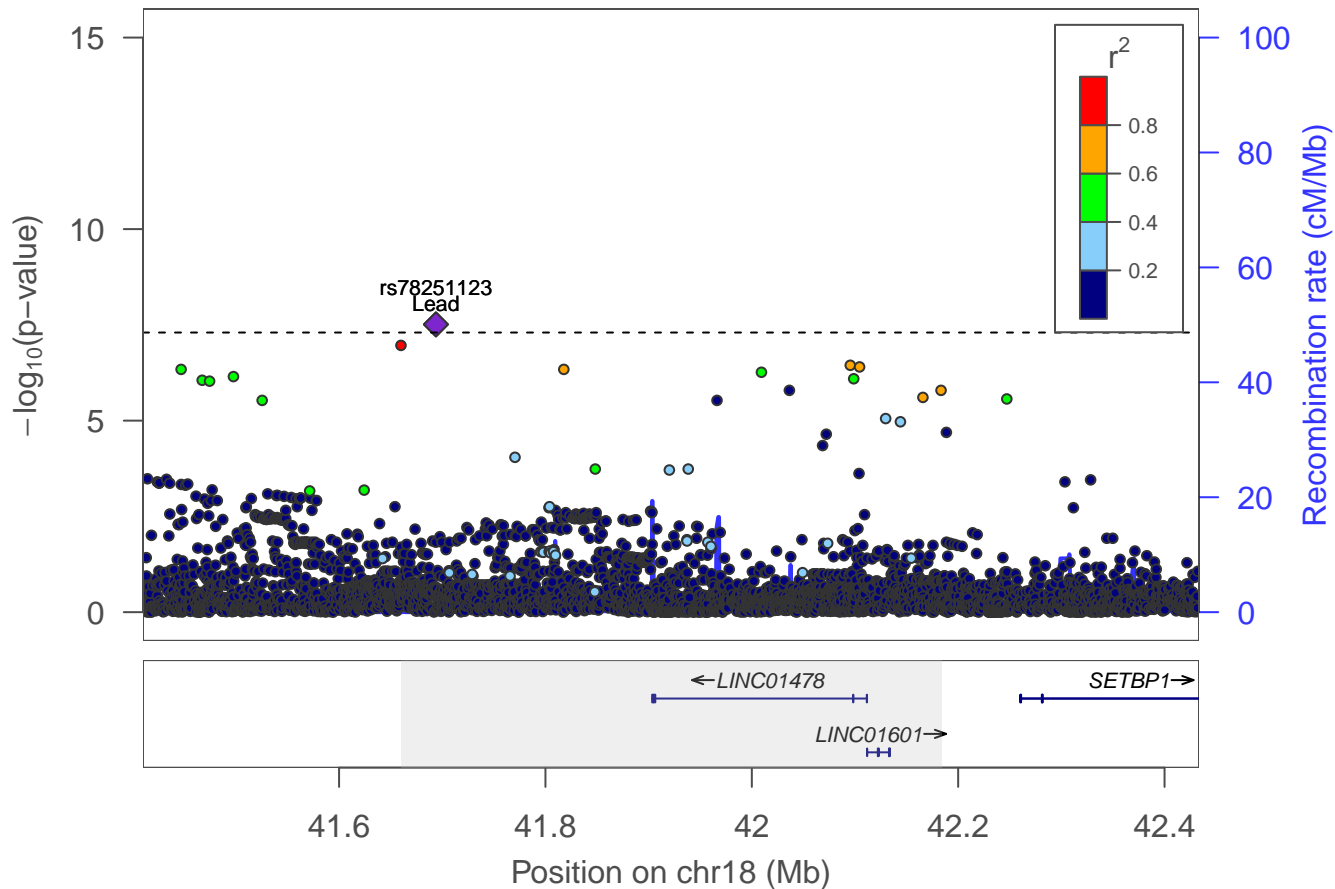
Number of sexual partners: locus 90 [chr 17:65.825–66.098Mb]



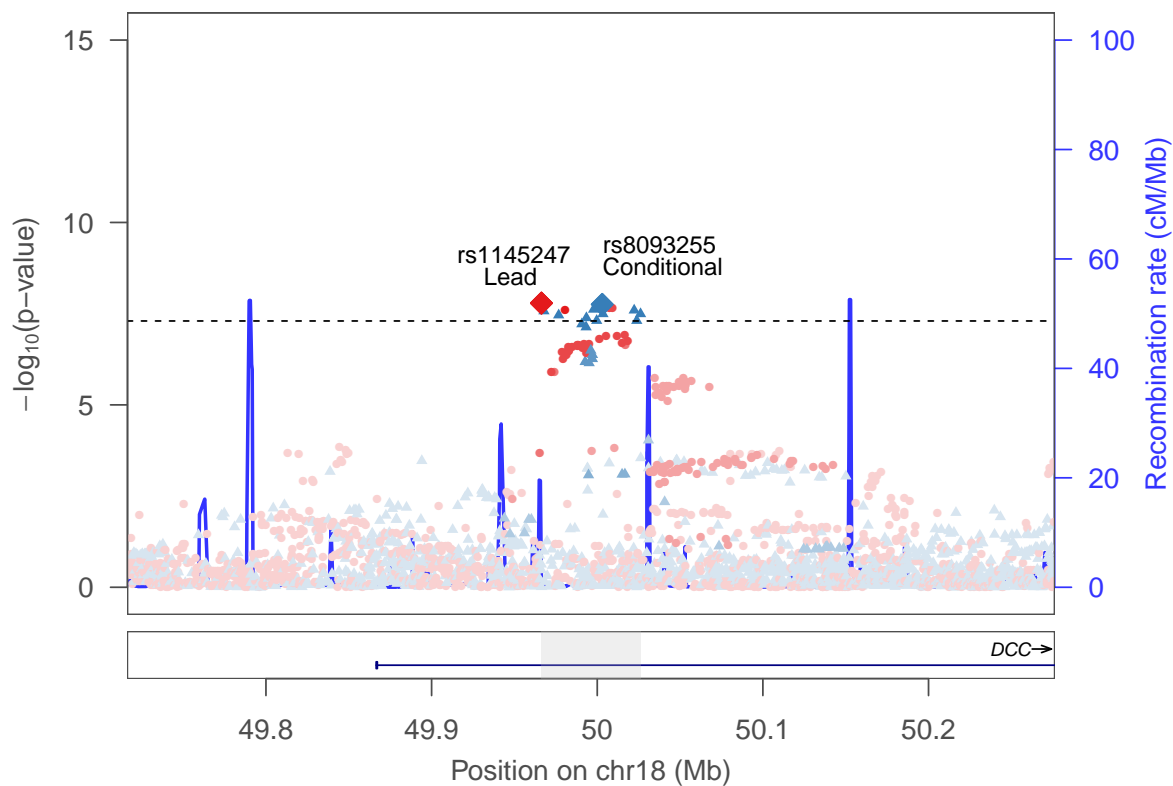
Number of sexual partners: locus 91 [chr 18:40.324–40.324Mb]



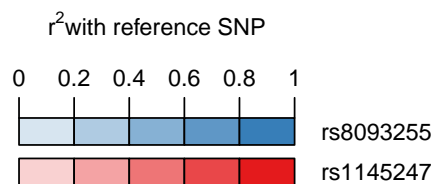
Number of sexual partners: locus 92 [chr 18:41.660–42.183Mb]



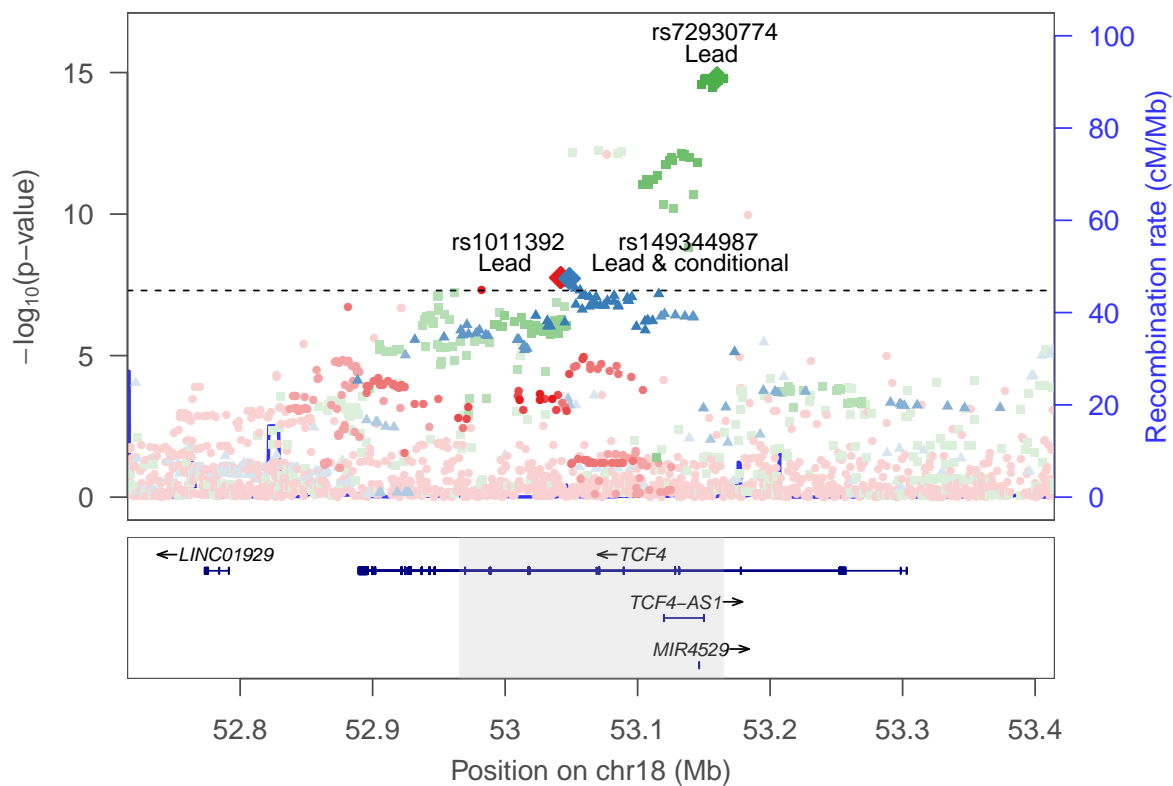
Number of sexual partners: Locus 93 [chr 18: 49.966–50.026Mb]



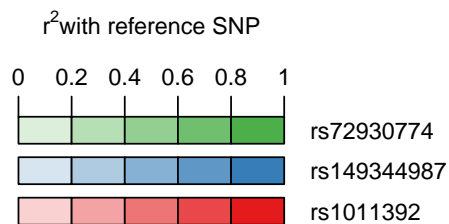
rs8093255 ▲
rs1145247 ●



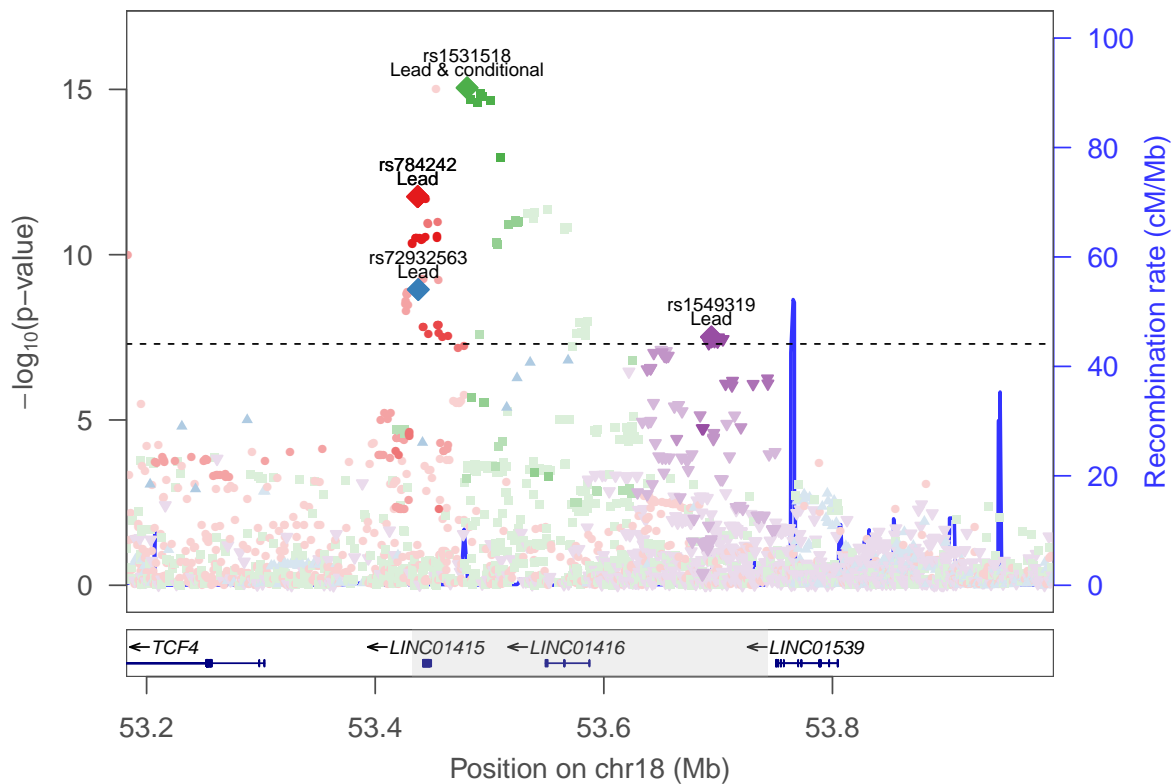
Number of sexual partners: Locus 94 [chr 18: 52.965–53.165Mb]



rs72930774 ■
 rs149344987 ▲
 rs1011392 ●



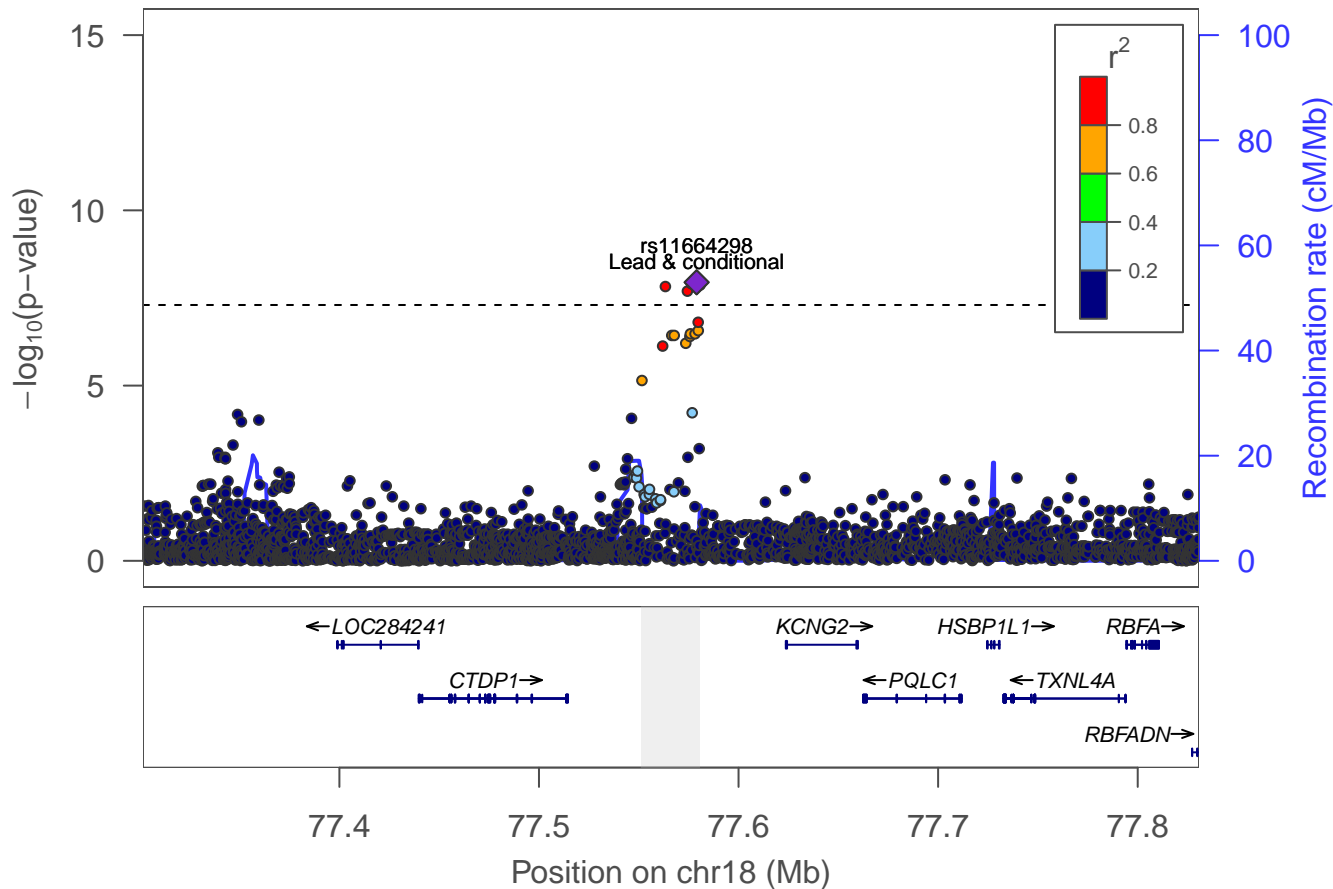
Number of sexual partners: Locus 95 [chr 18: 53.432–53.744Mb]



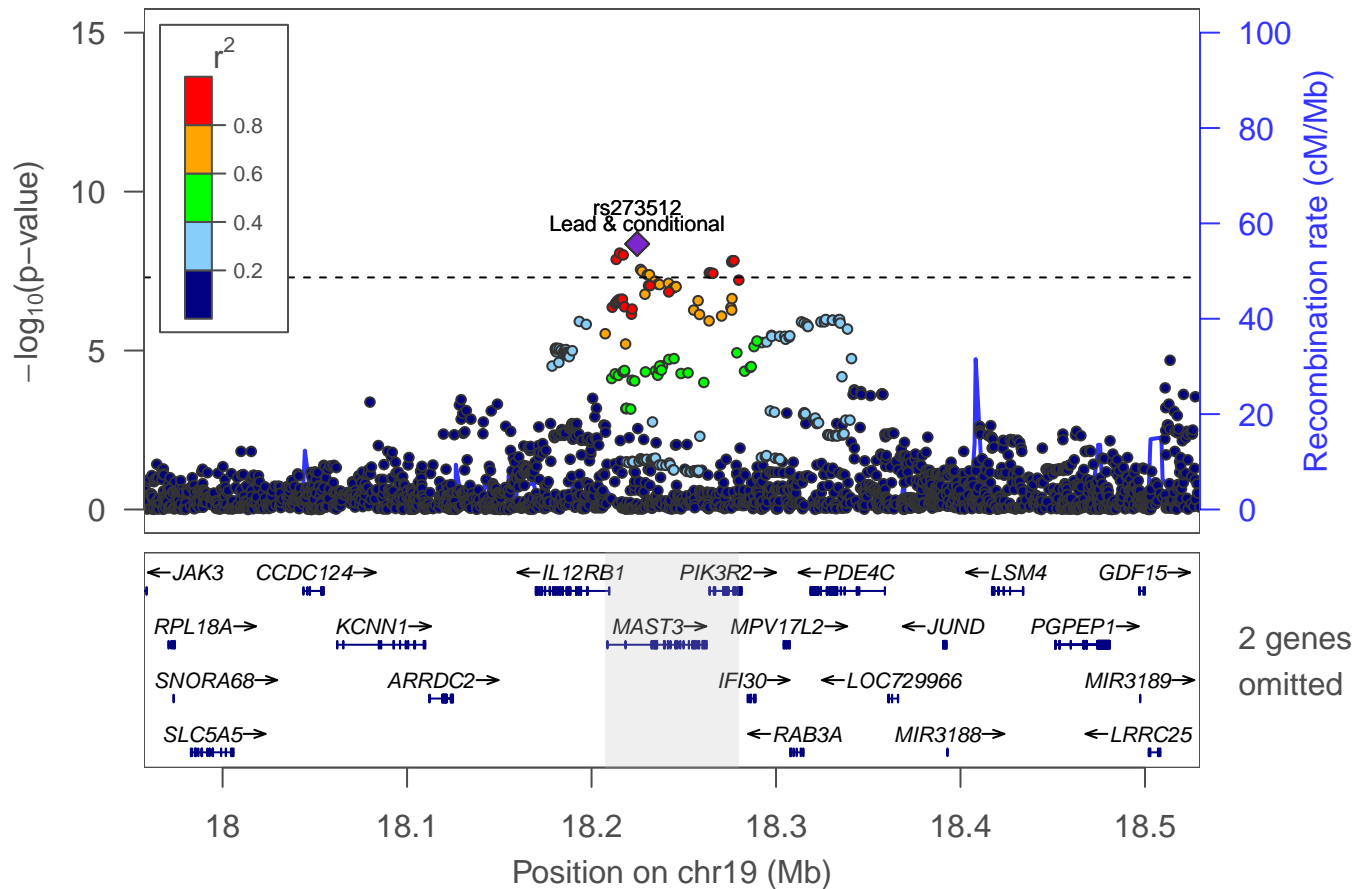
rs1549319 ▾
 rs1531518 ■
 rs72932563 ▲
 rs784242 ●



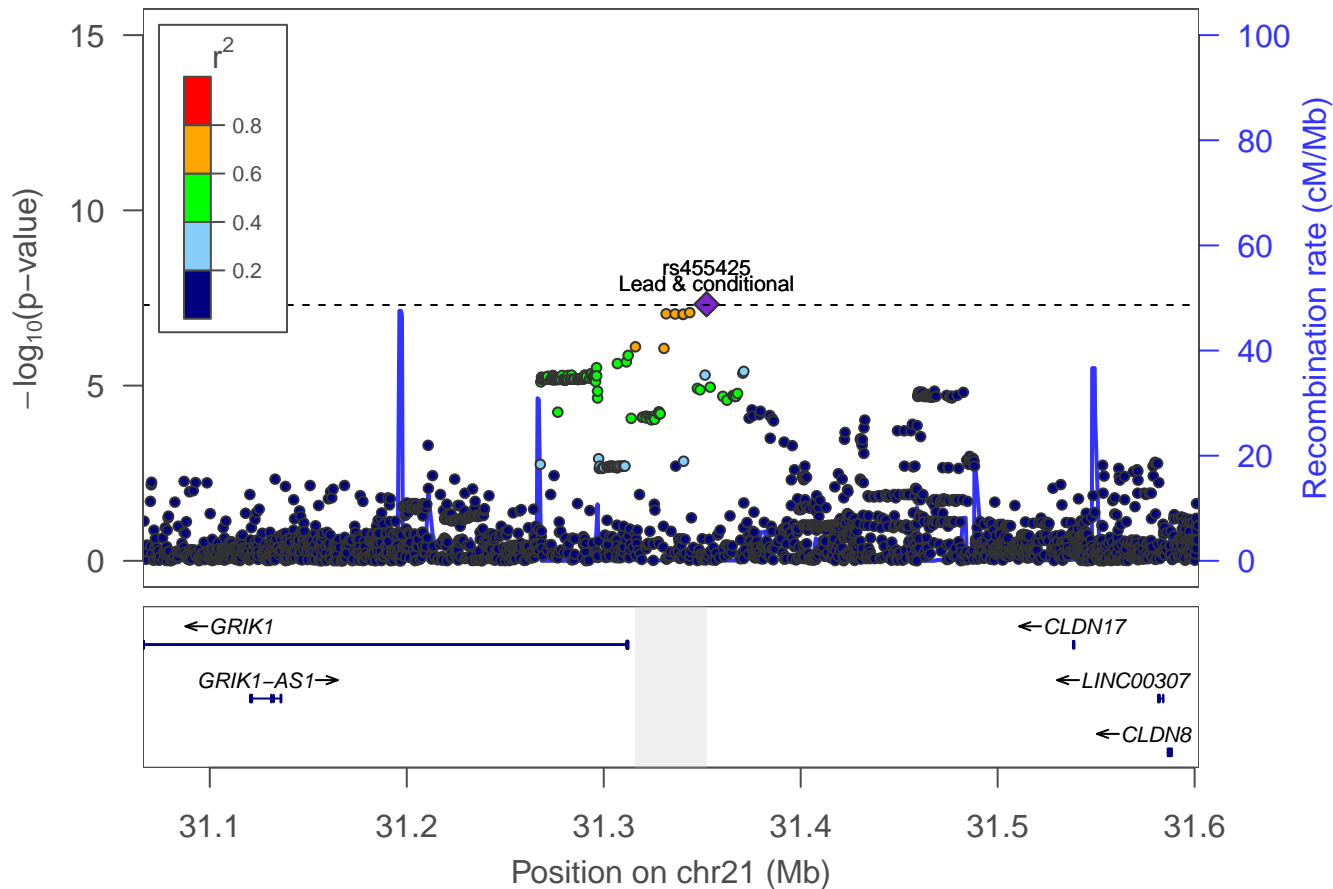
Number of sexual partners: locus 96 [chr 18:77.552–77.581Mb]



Number of sexual partners: locus 97 [chr 19:18.207–18.280Mb]

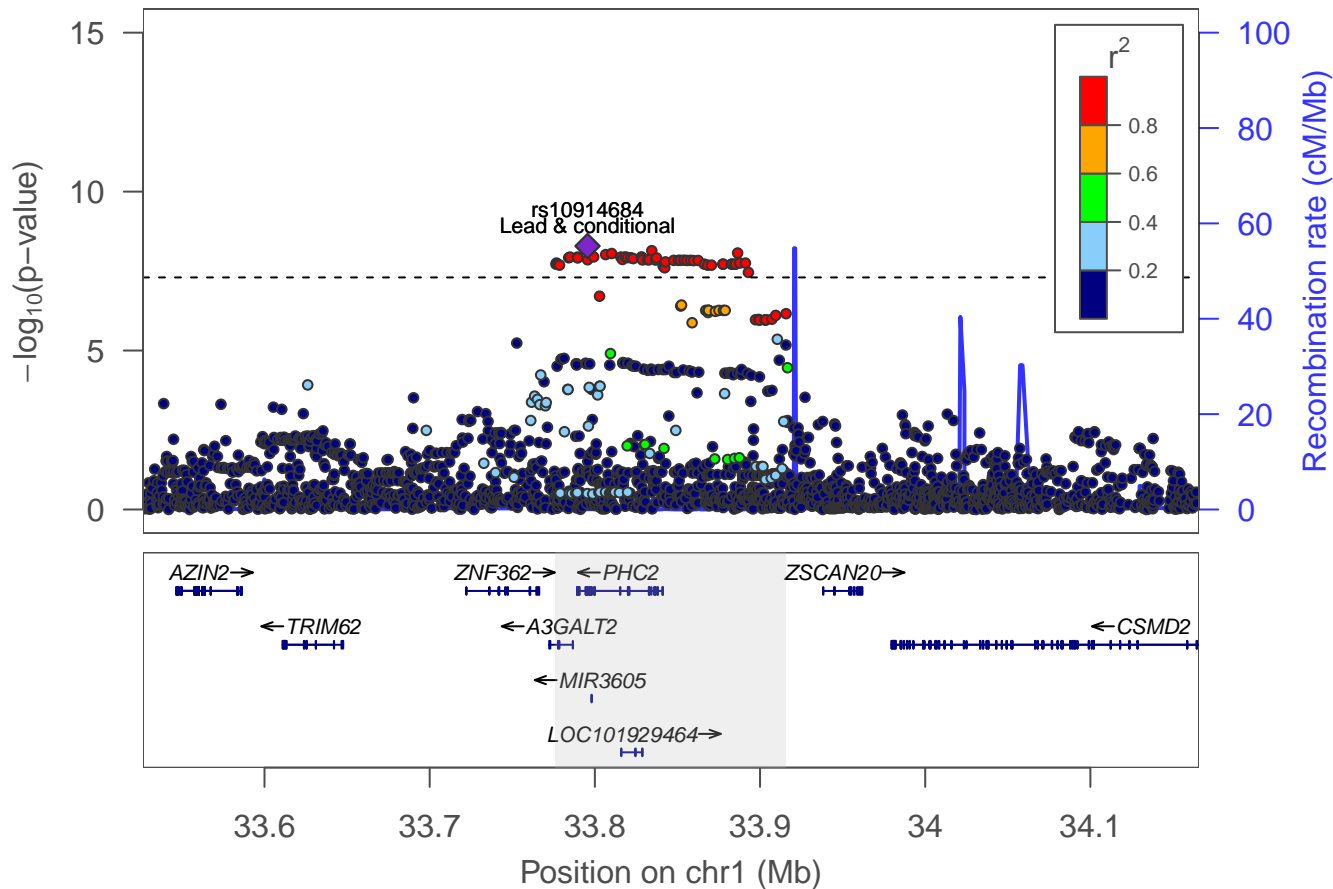


Number of sexual partners: locus 98 [chr 21:31.316–31.352Mb]

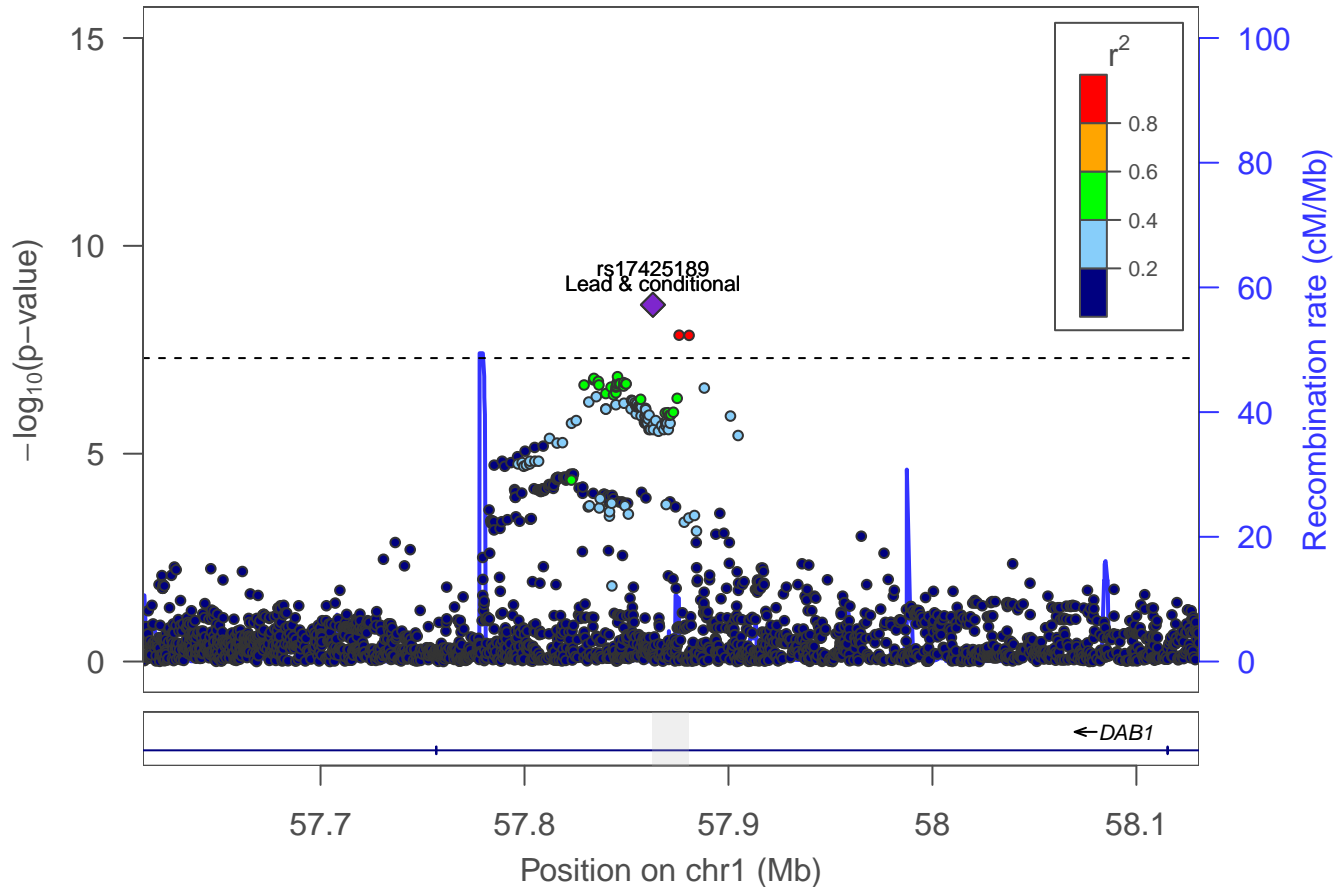


LocusZoom plots for the 89 loci identified
in the GWAS of the first PC of the risky
behaviors

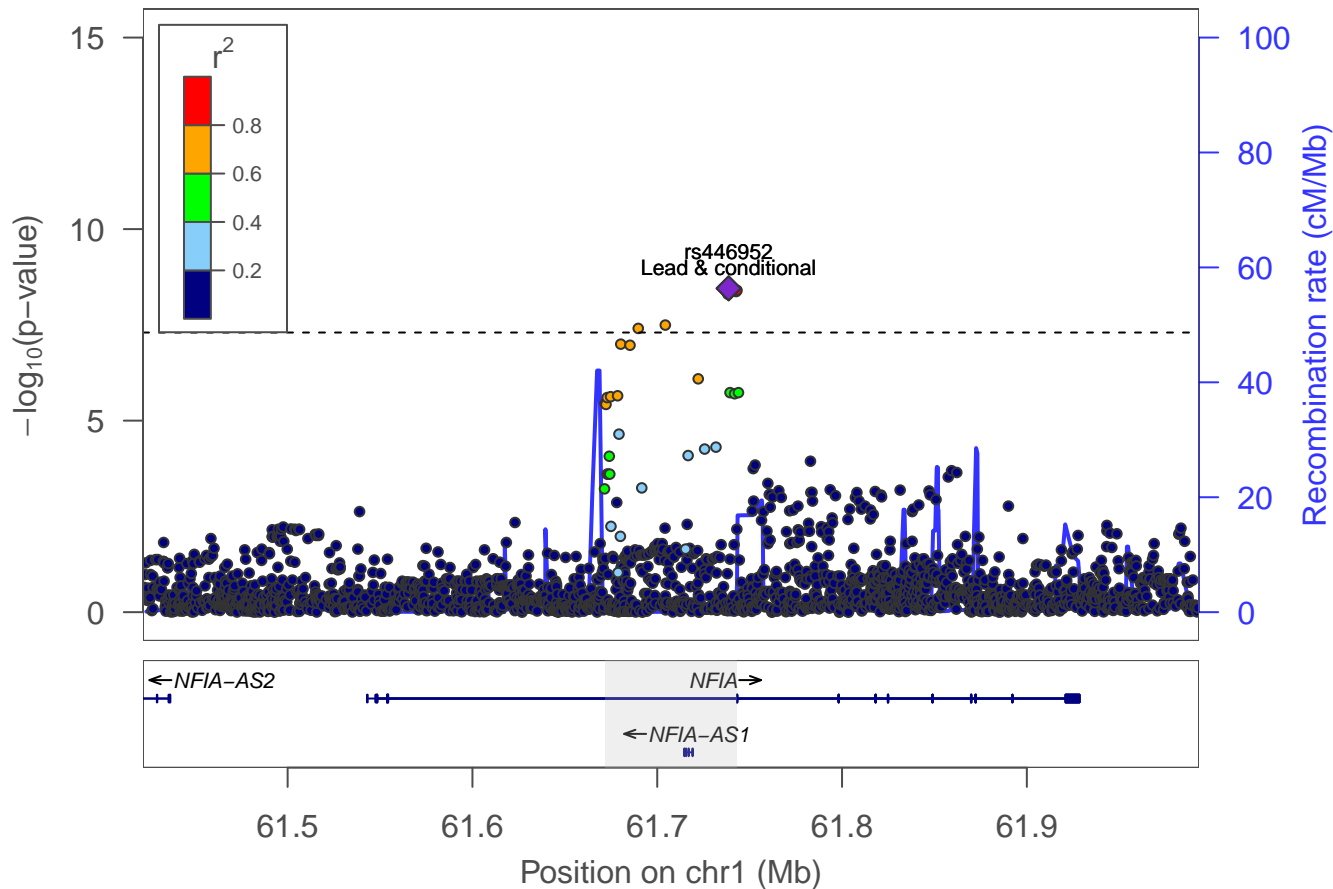
First PC risky behaviors: locus 1 [chr 1:33.776–33.916Mb]



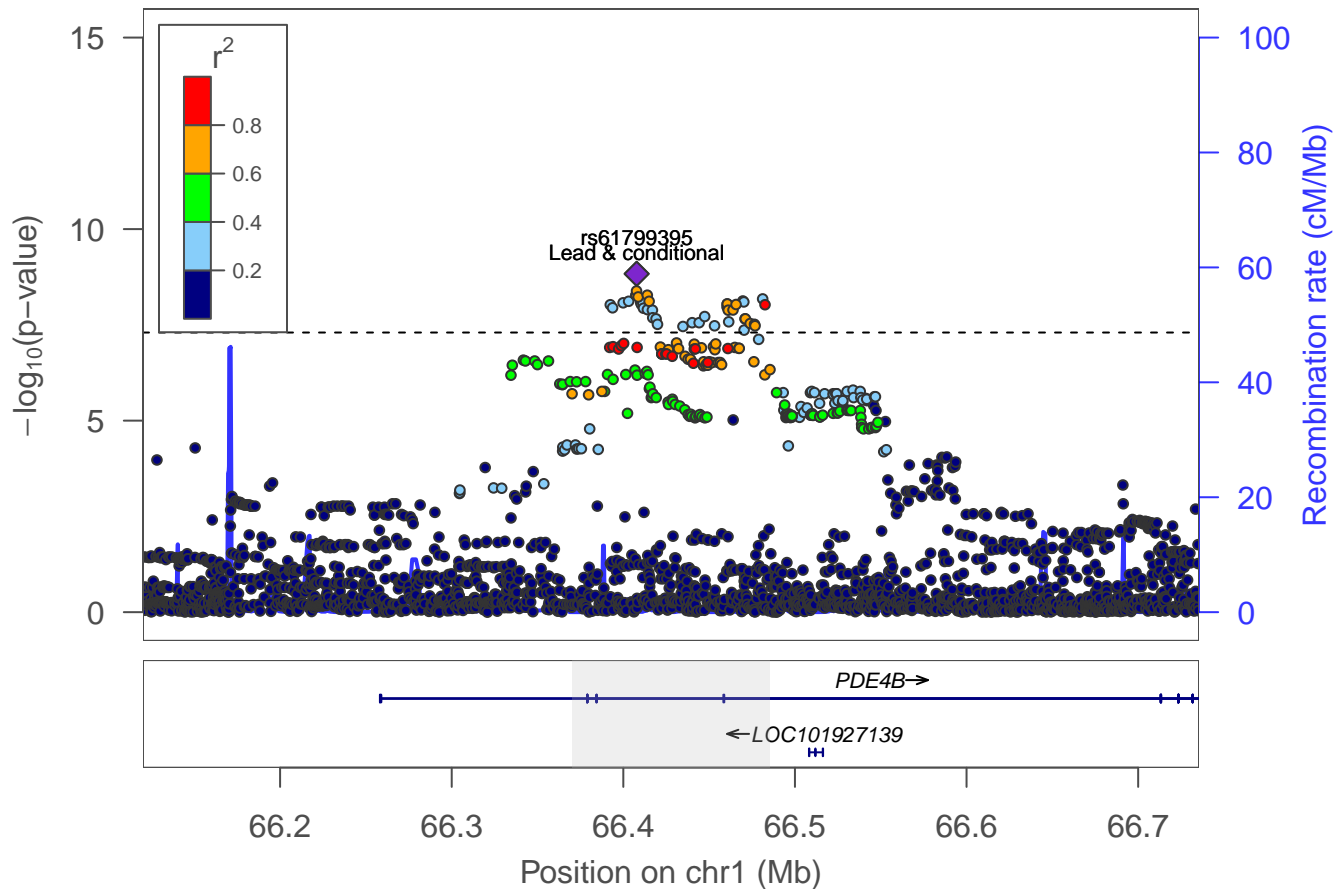
First PC risky behaviors: locus 2 [chr 1:57.863–57.881Mb]



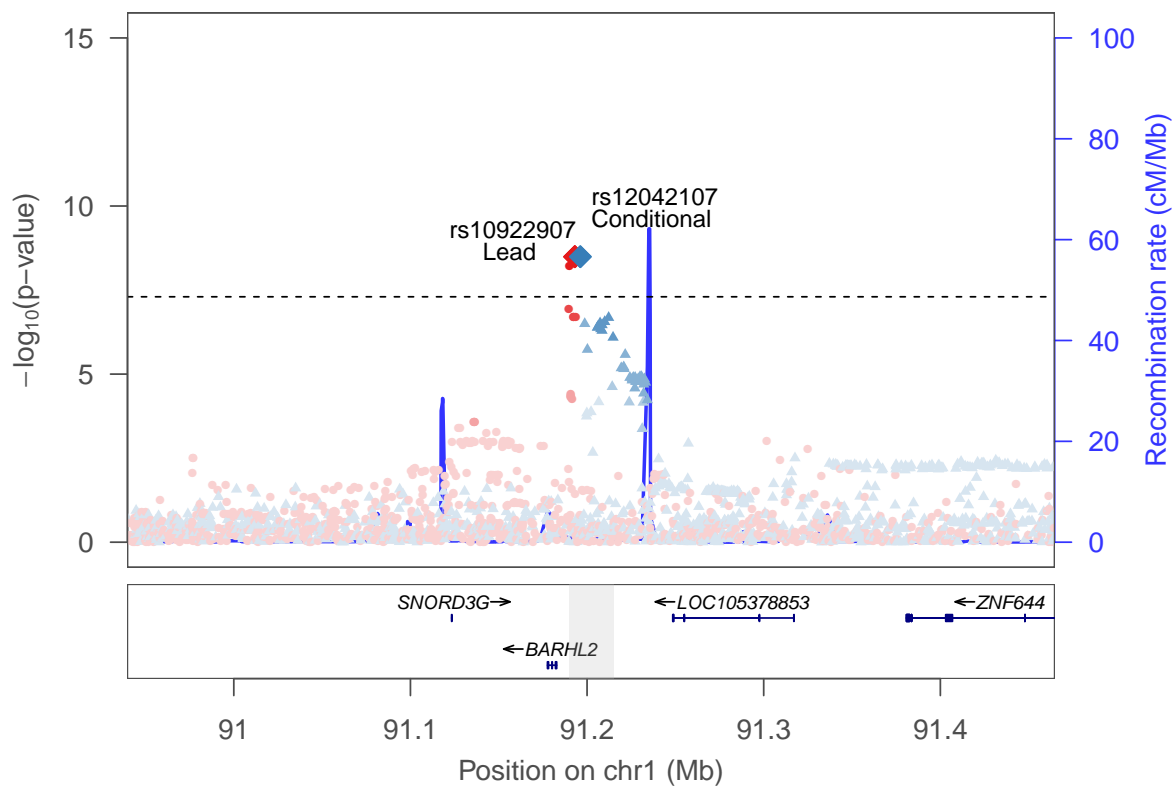
First PC risky behaviors: locus 3 [chr 1:61.672–61.743Mb]



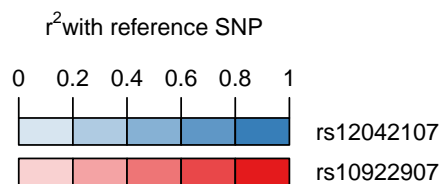
First PC risky behaviors: locus 4 [chr 1:66.370–66.485Mb]



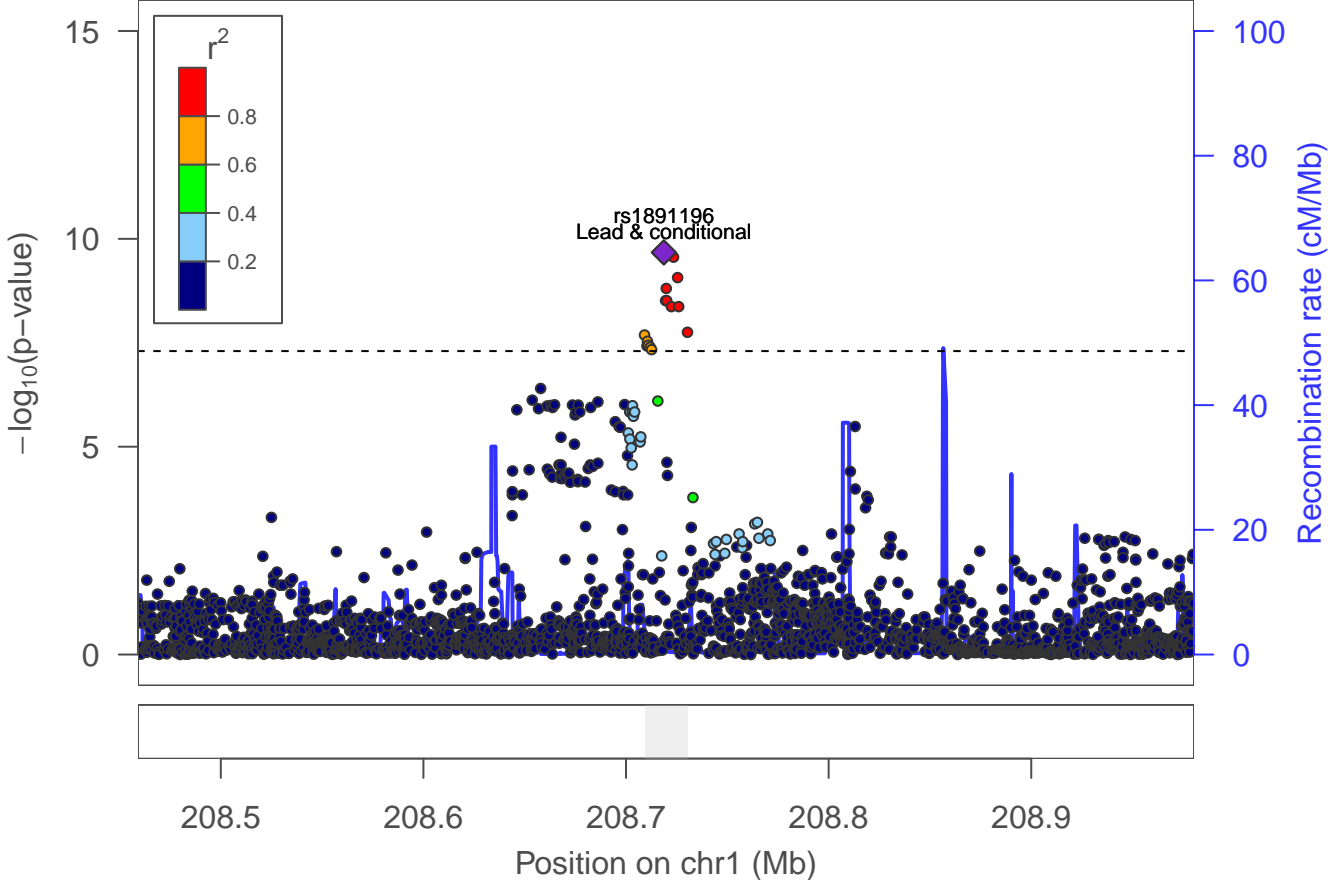
First PC risky behaviors: Locus 5 [chr 1: 91.190–91.215Mb]



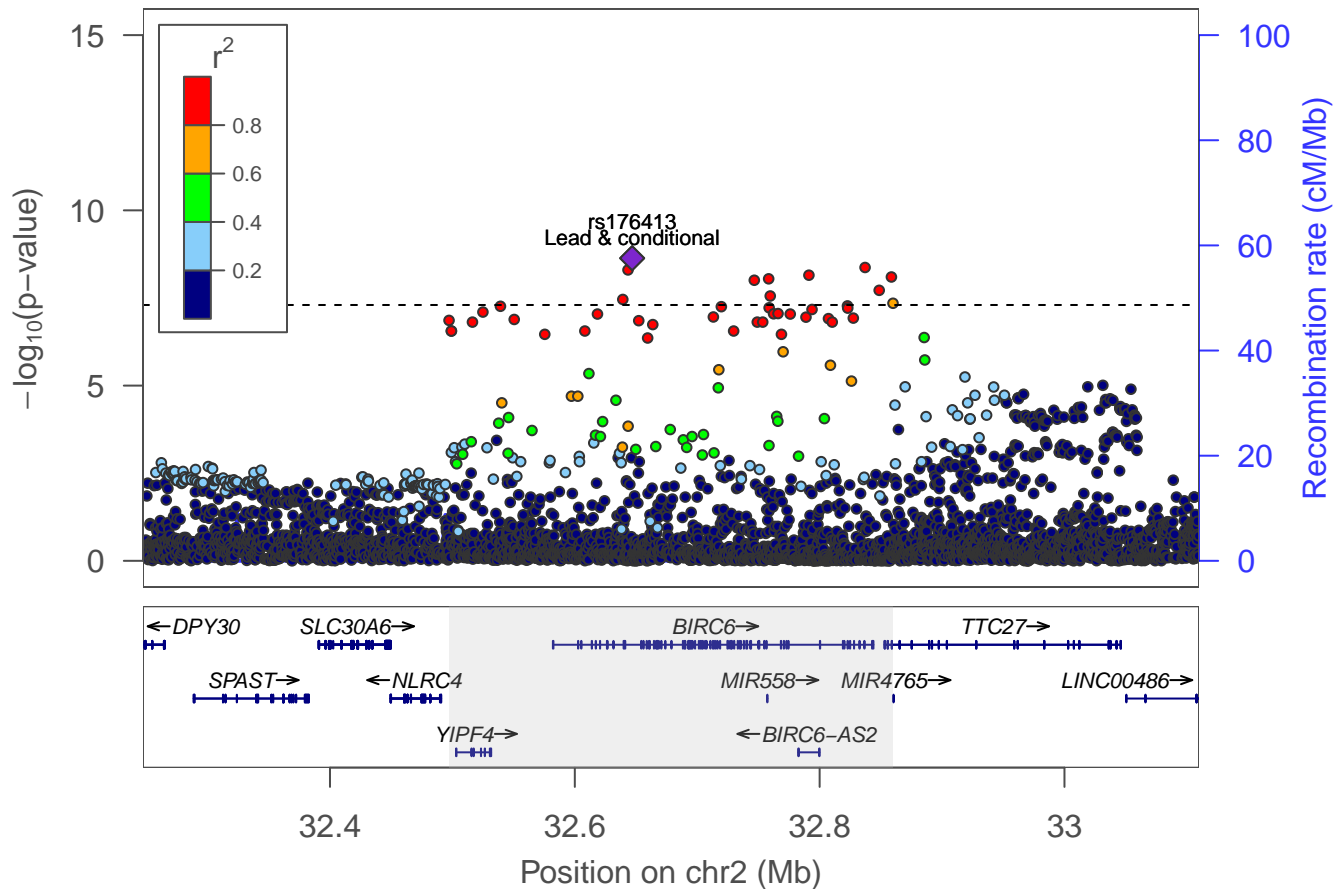
rs12042107 ▲
rs10922907 ●



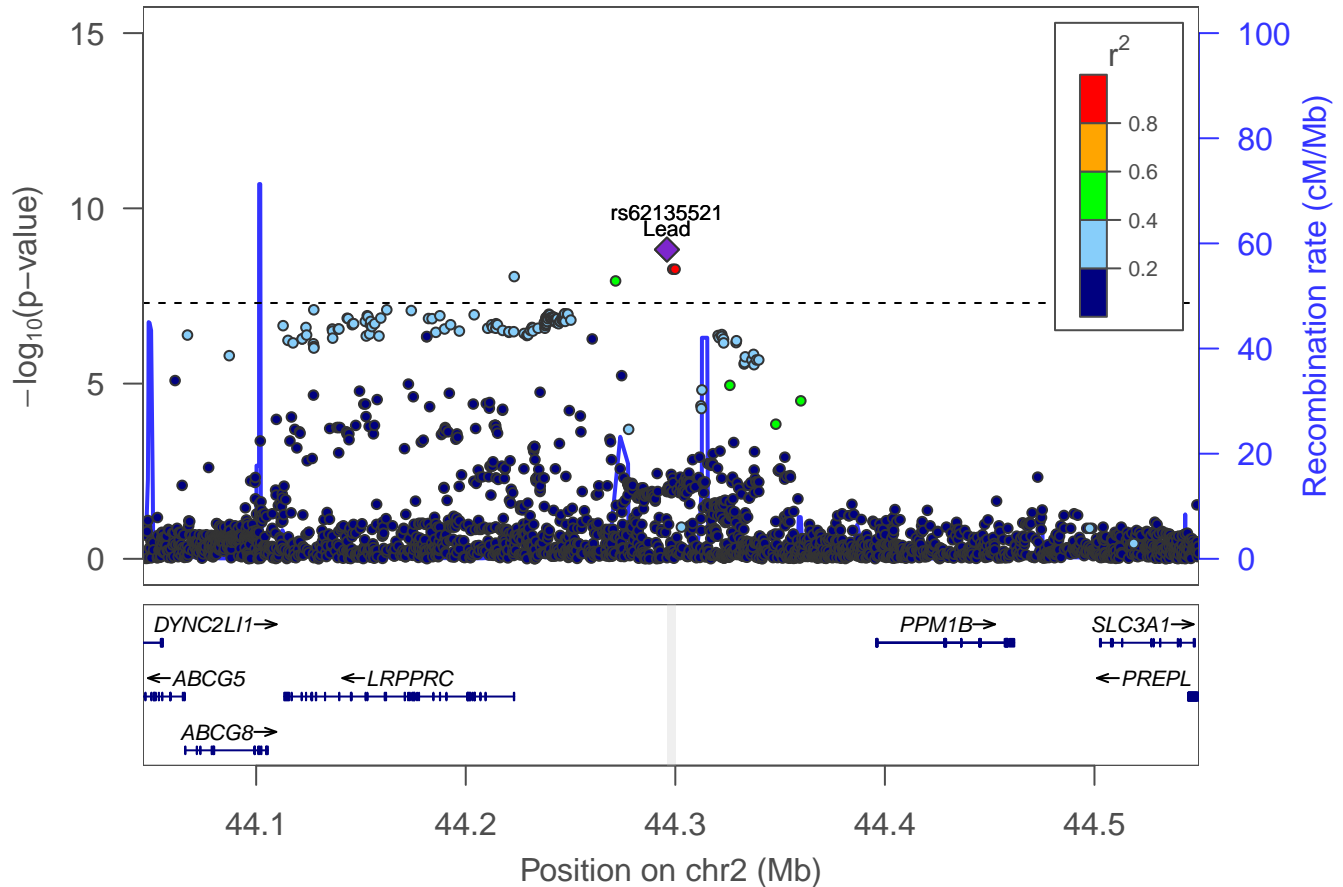
First PC risky behaviors: locus 6 [chr 1:208.709–208.730Mb]



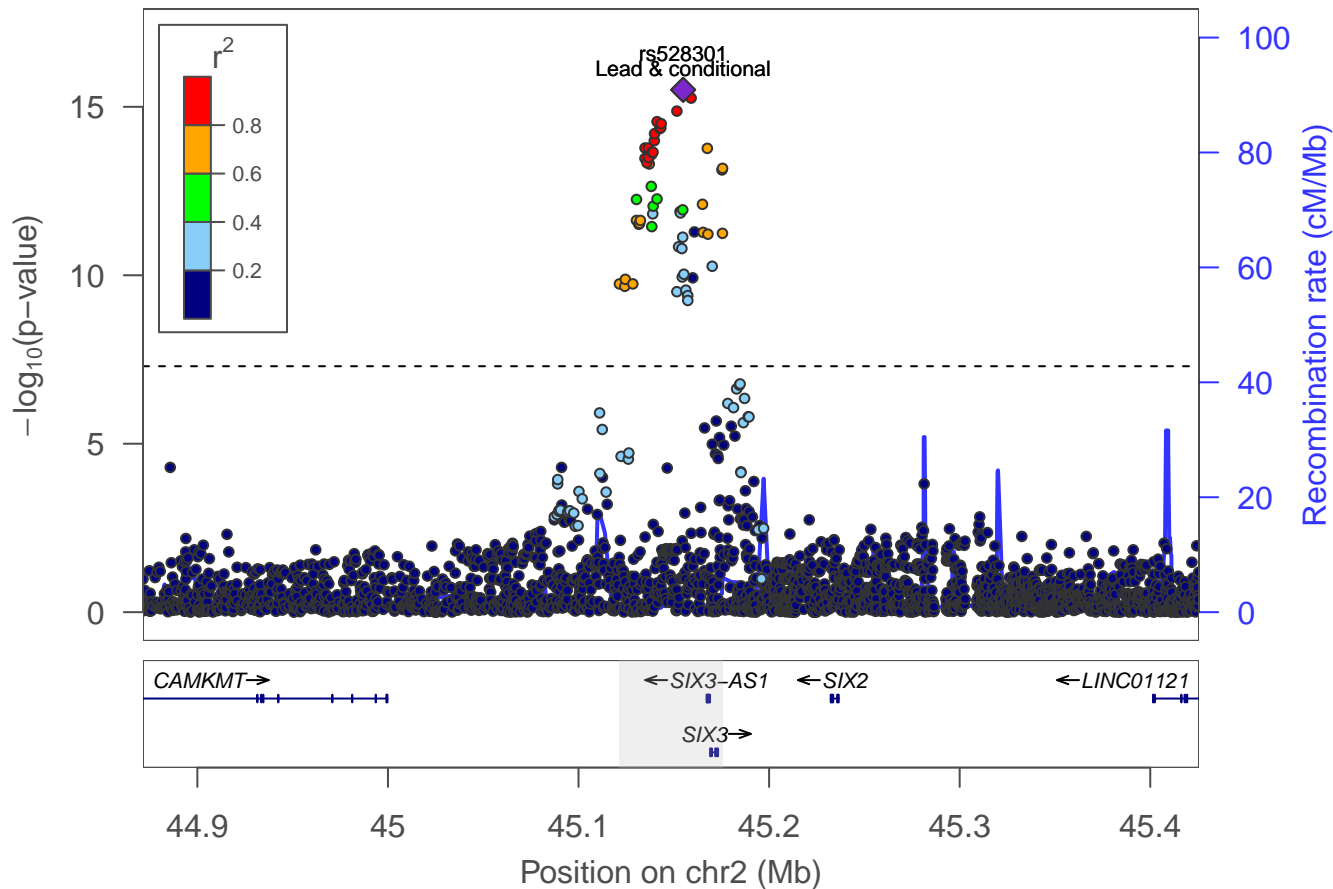
First PC risky behaviors: locus 7 [chr 2:32.497–32.860Mb]



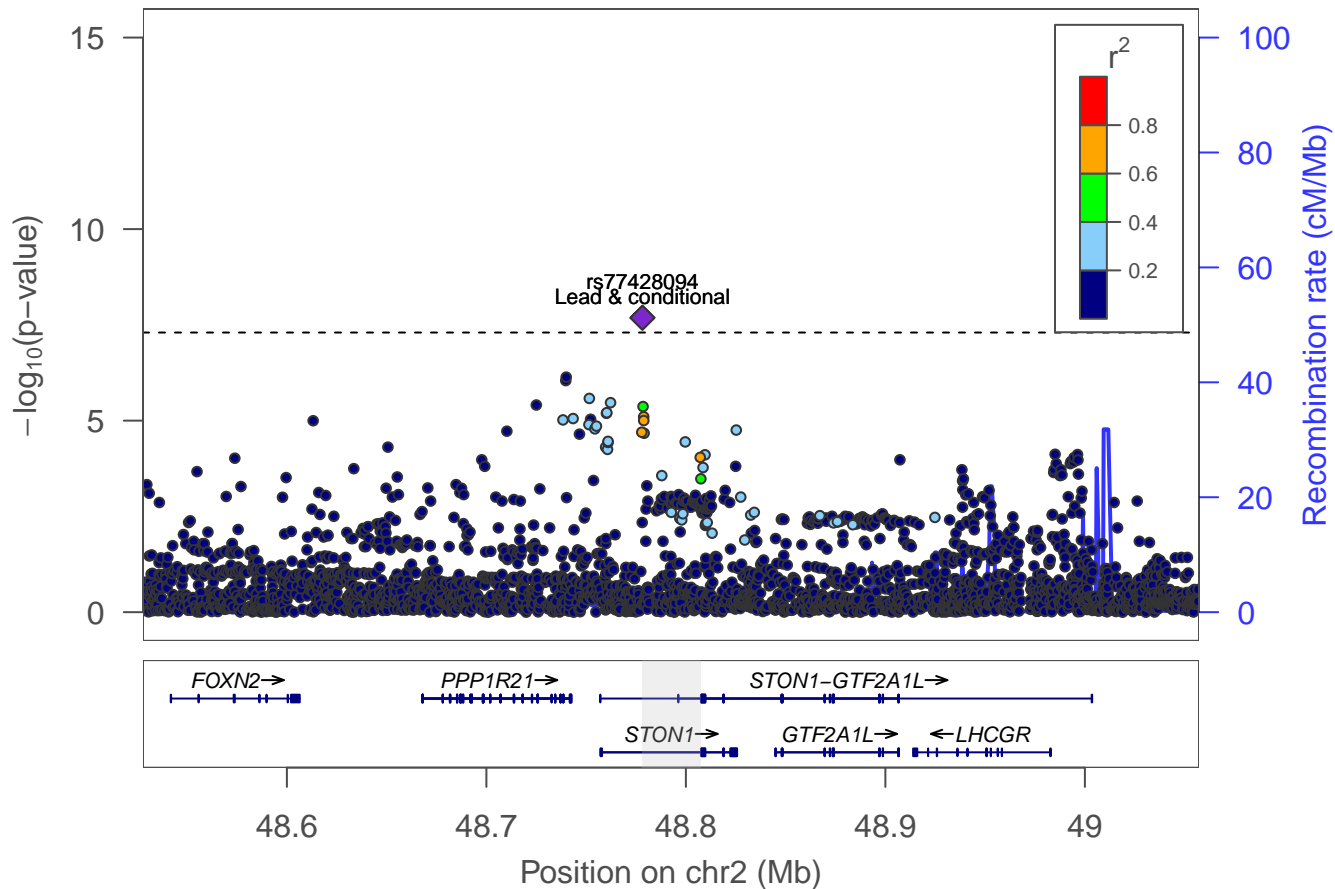
First PC risky behaviors: locus 8 [chr 2:44.296–44.300Mb]



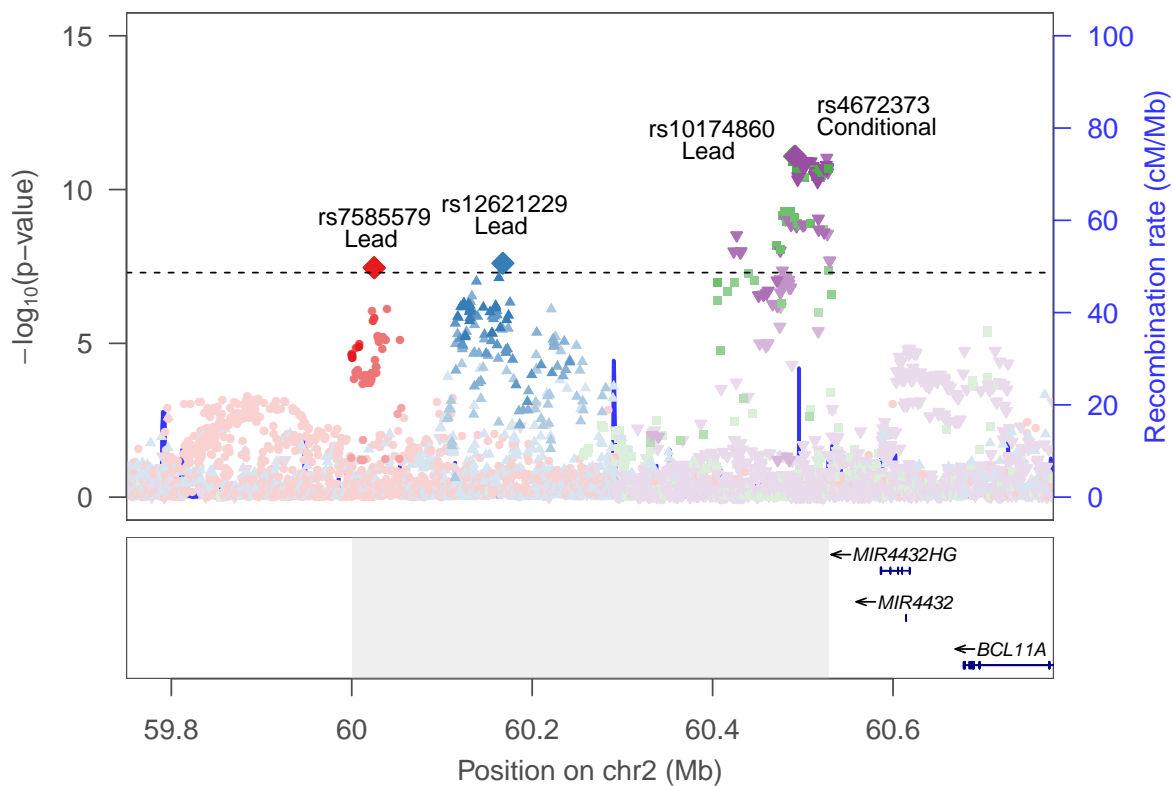
First PC risky behaviors: locus 9 [chr 2:45.121–45.176Mb]



First PC risky behaviors: locus 10 [chr 2:48.778–48.807Mb]



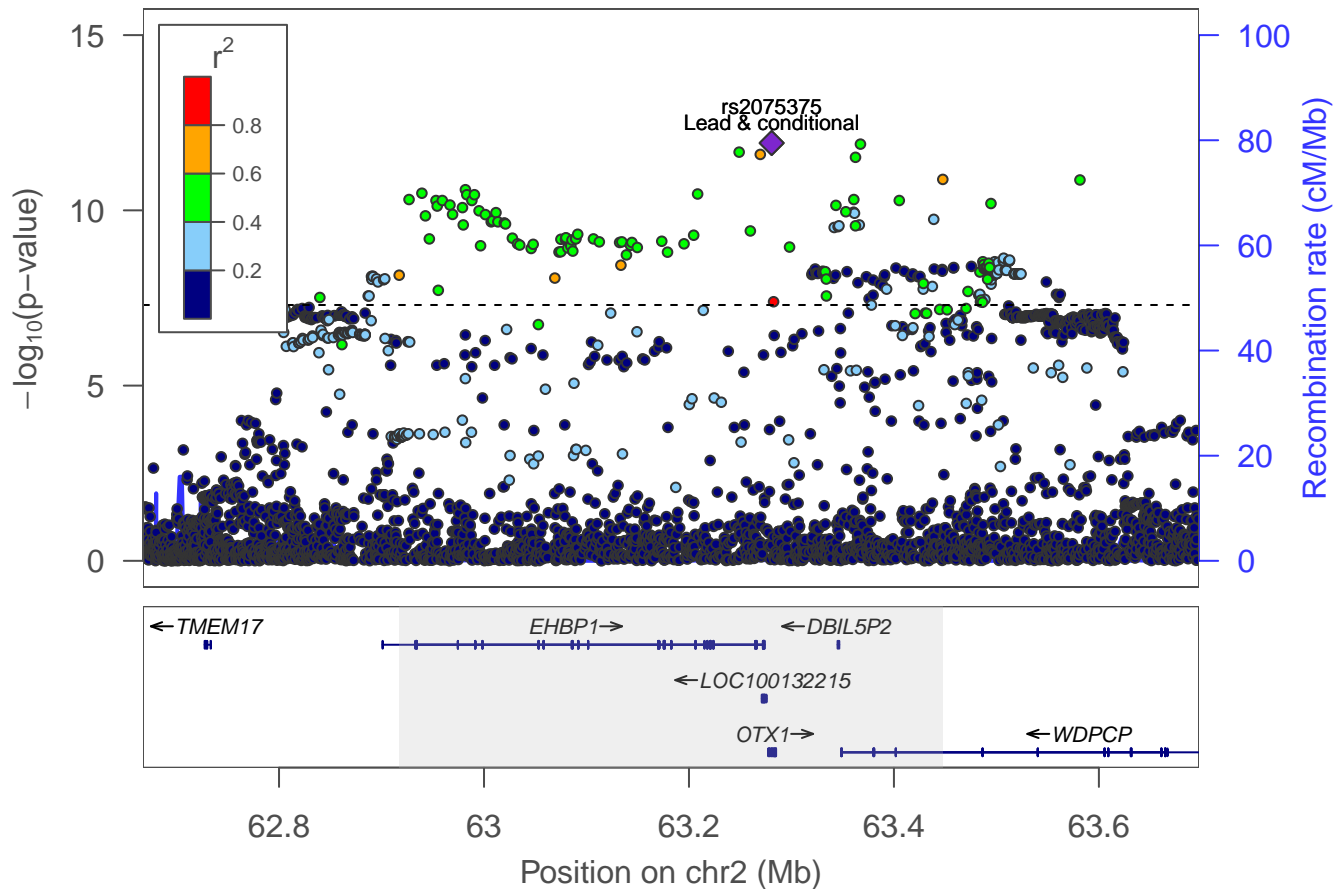
First PC risky behaviors: Locus 11 [chr 2: 60.000–60.528Mb]



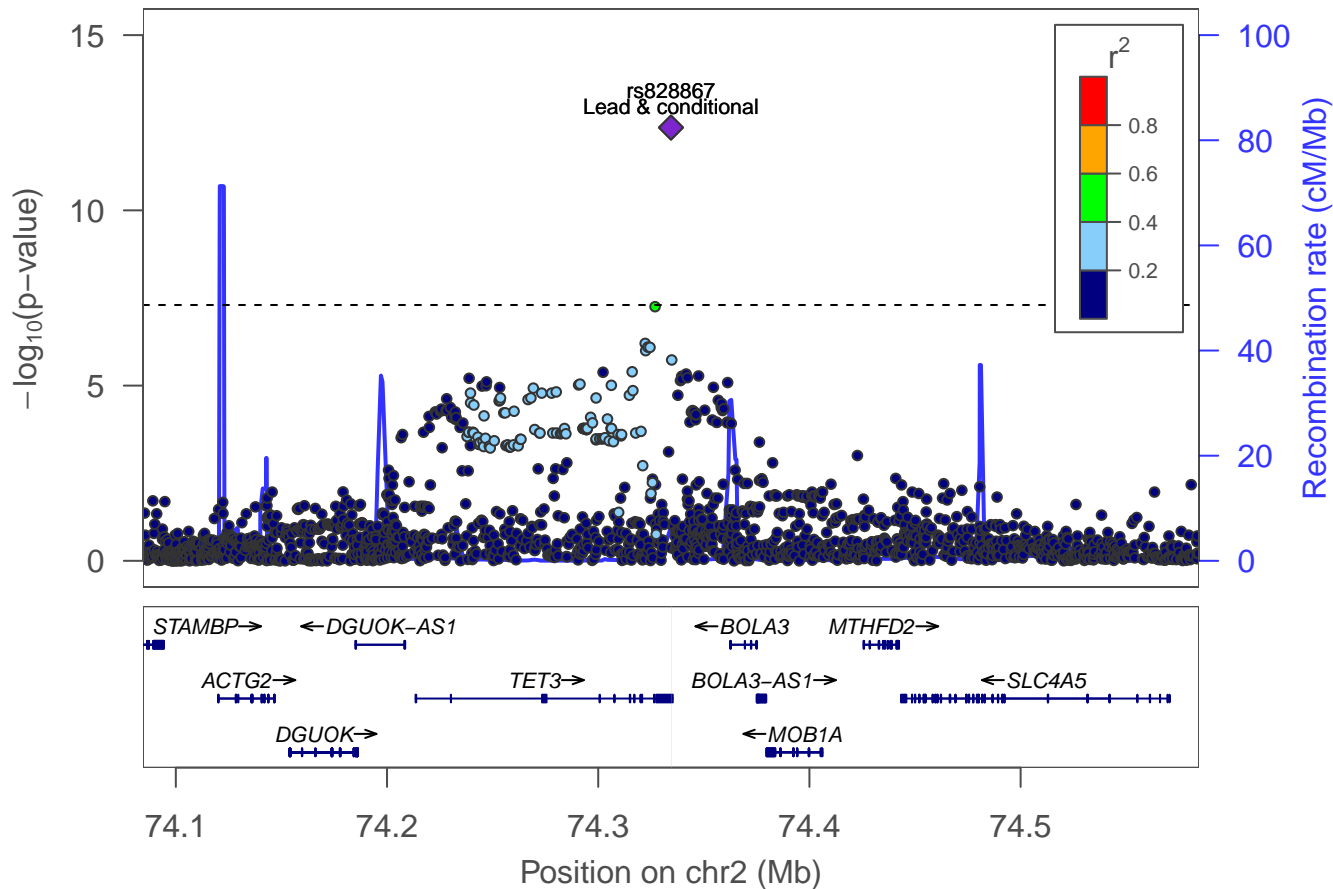
rs4672373 ▾
 rs10174860 ■
 rs12621229 ▲
 rs7585579 ●



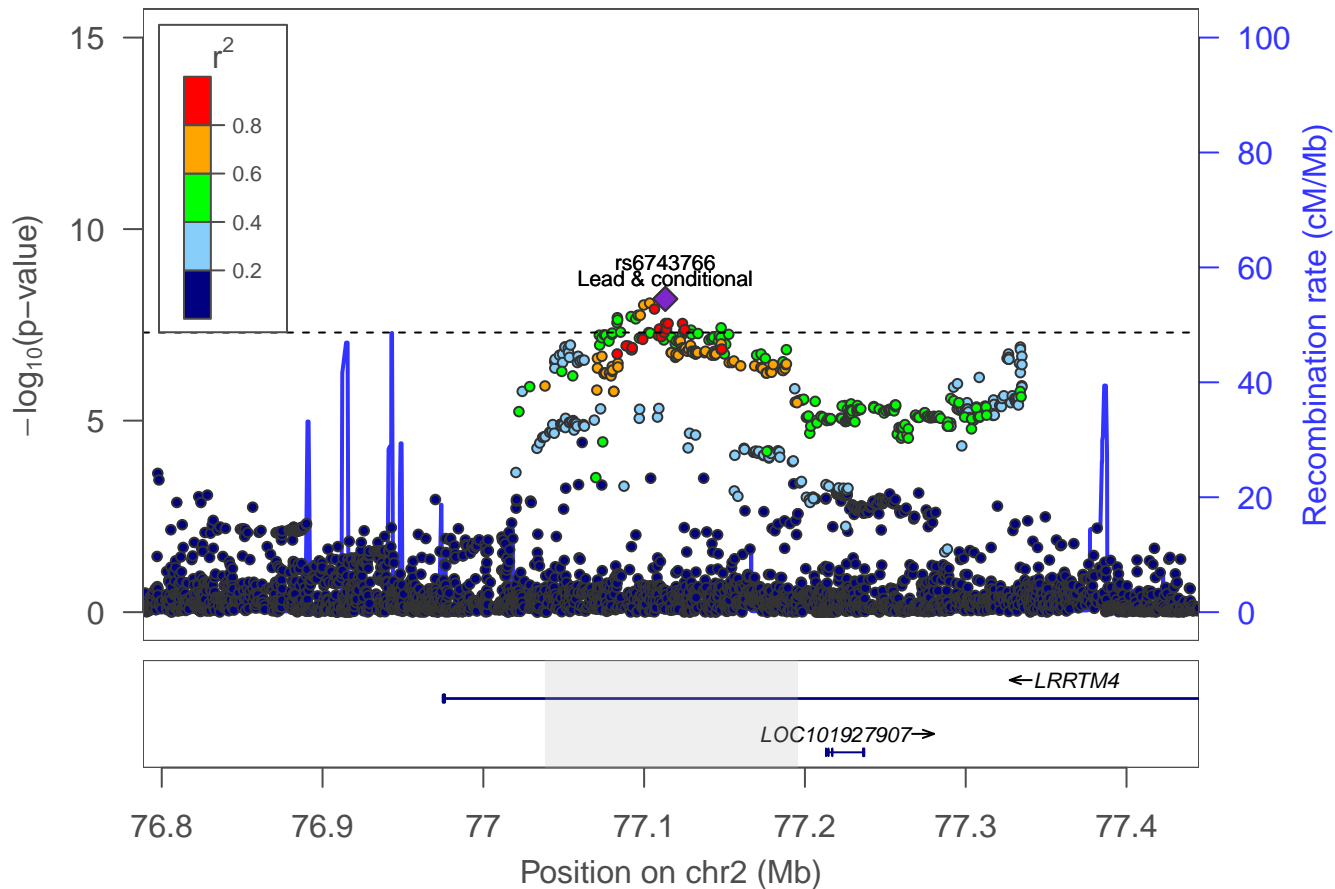
First PC risky behaviors: locus 12 [chr 2:62.917–63.448Mb]



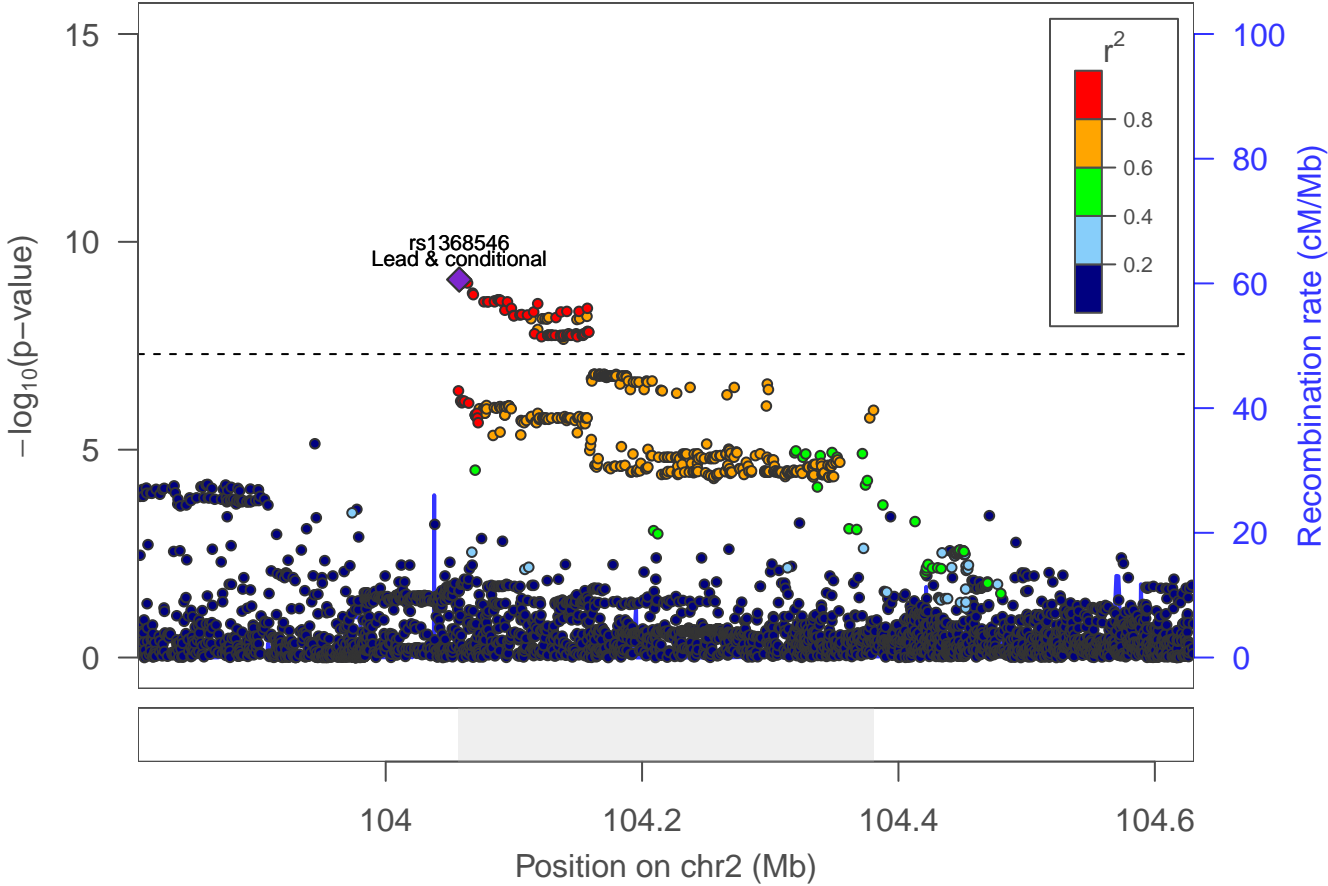
First PC risky behaviors: locus 13 [chr 2:74.334–74.334Mb]



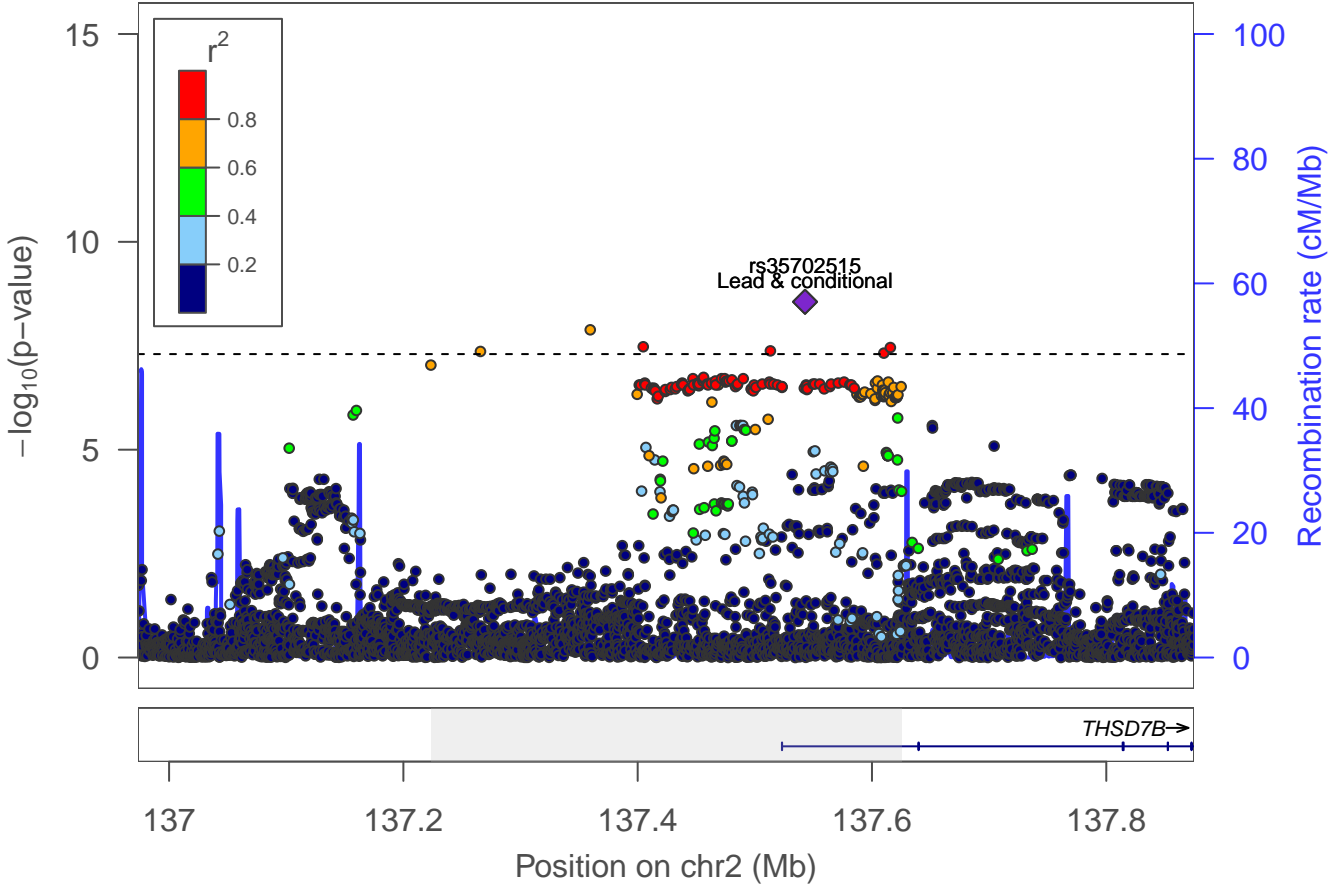
First PC risky behaviors: locus 14 [chr 2:77.038–77.195Mb]



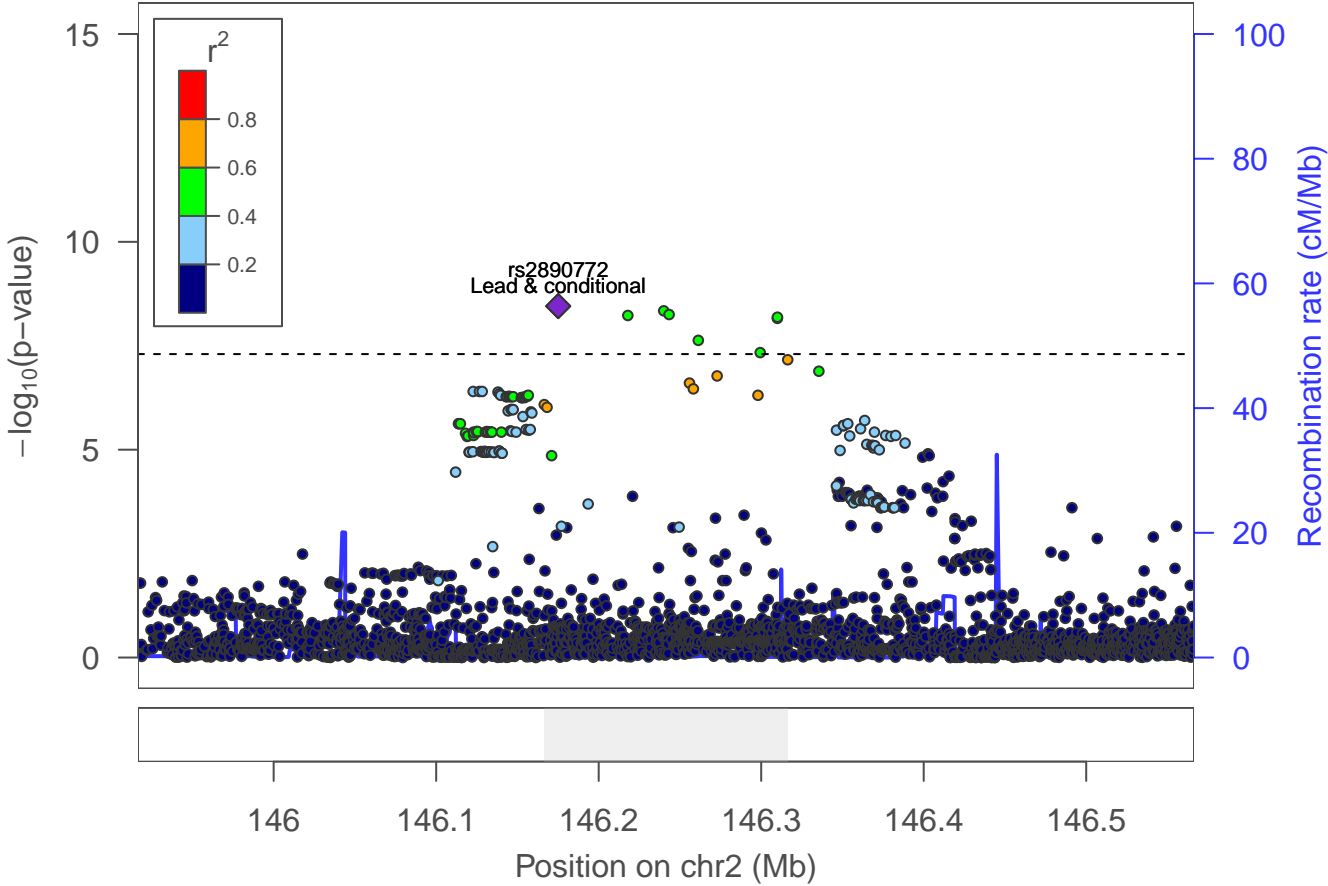
First PC risky behaviors: locus 15 [chr 2:104.057–104.381Mb]



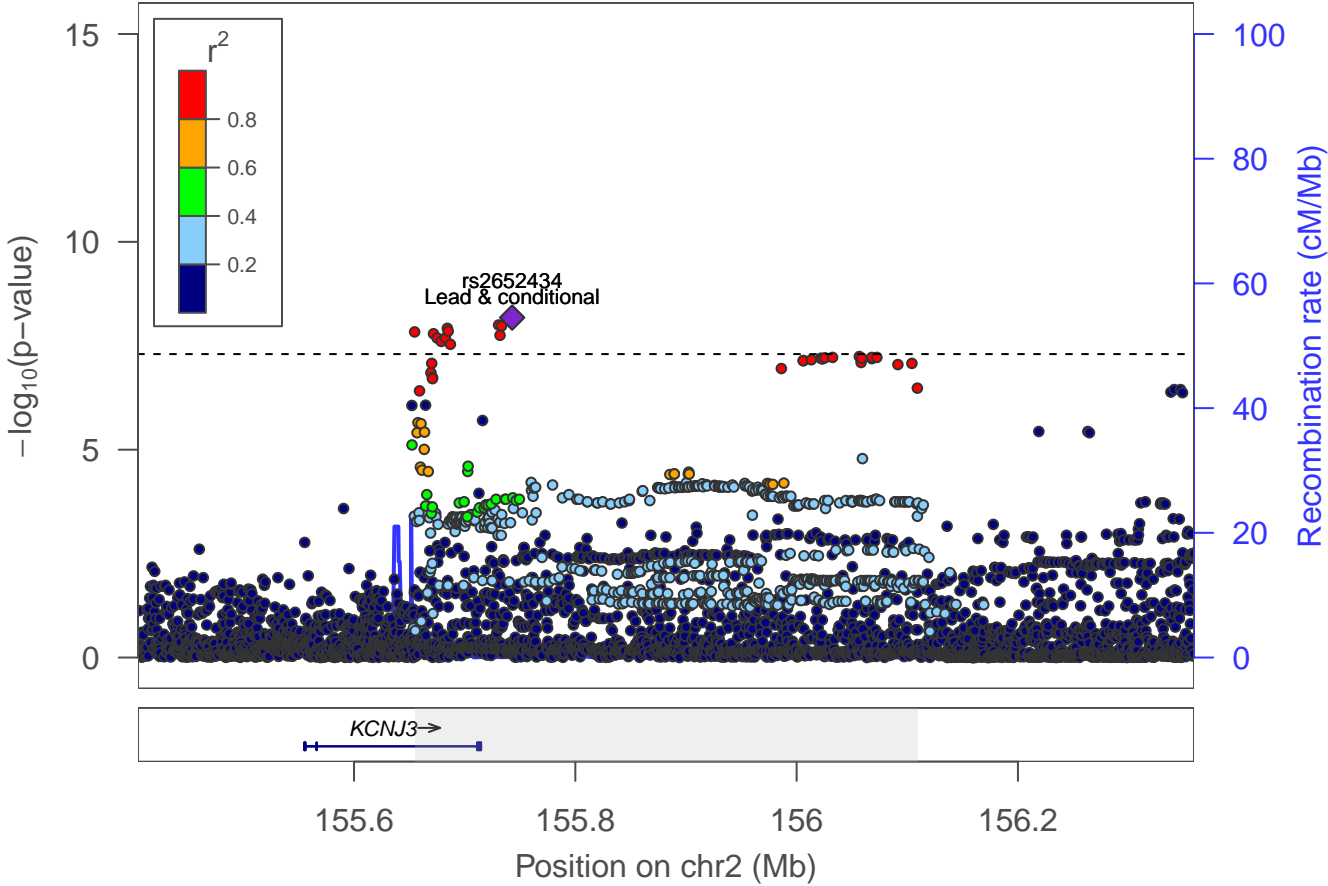
First PC risky behaviors: locus 16 [chr 2:137.223–137.625Mb]



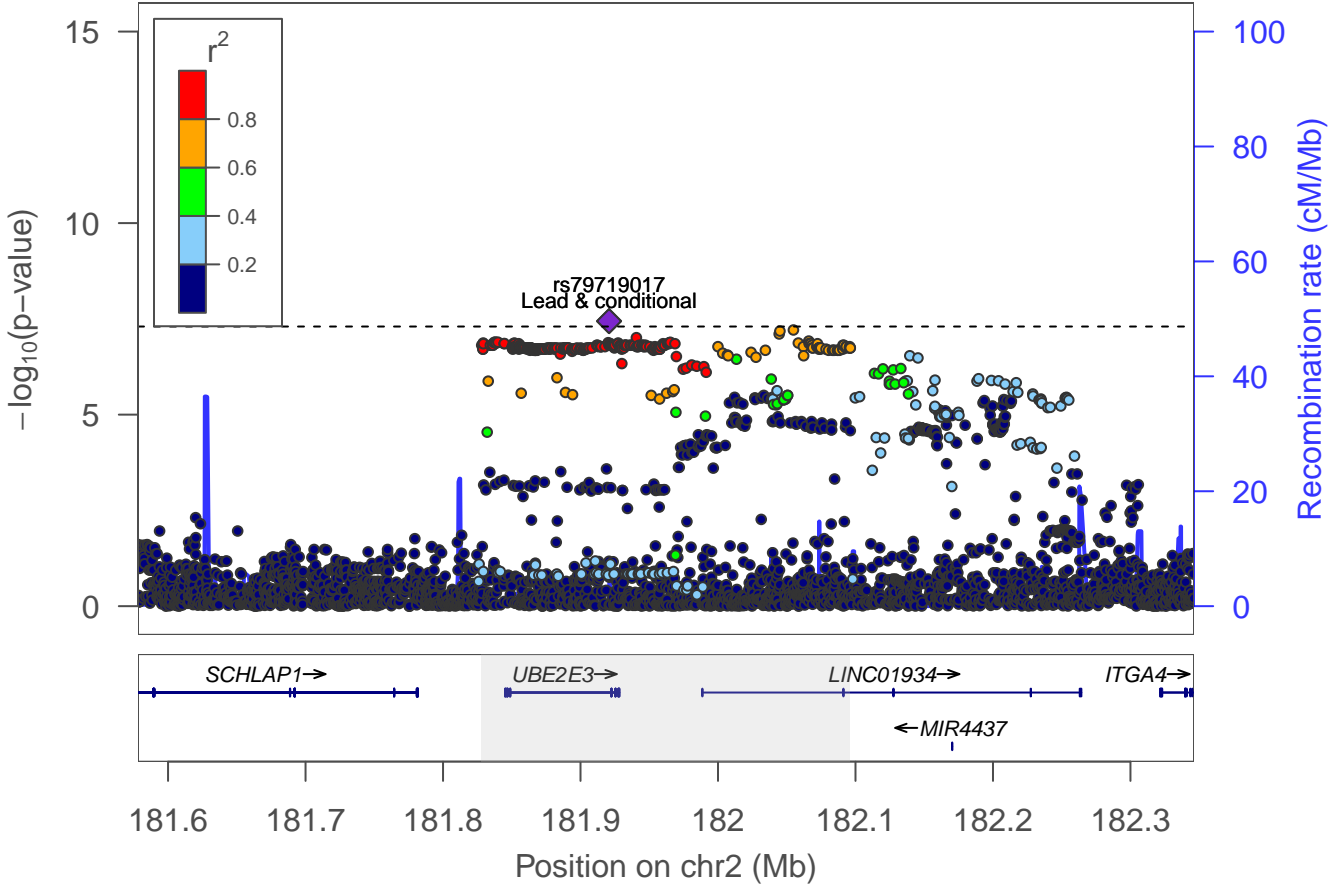
First PC risky behaviors: locus 17 [chr 2:146.167–146.316Mb]



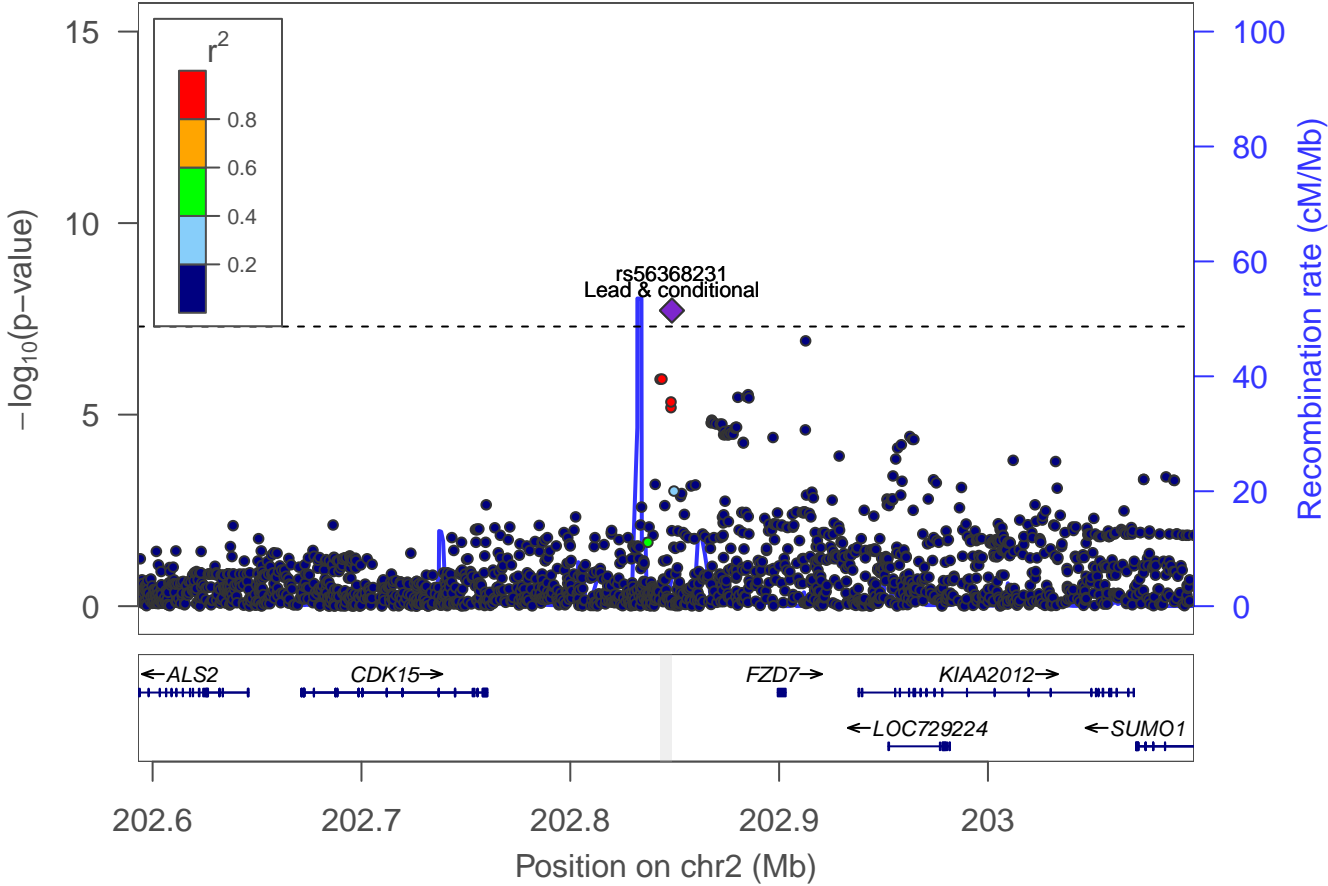
First PC risky behaviors: locus 18 [chr 2:155.655–156.109Mb]



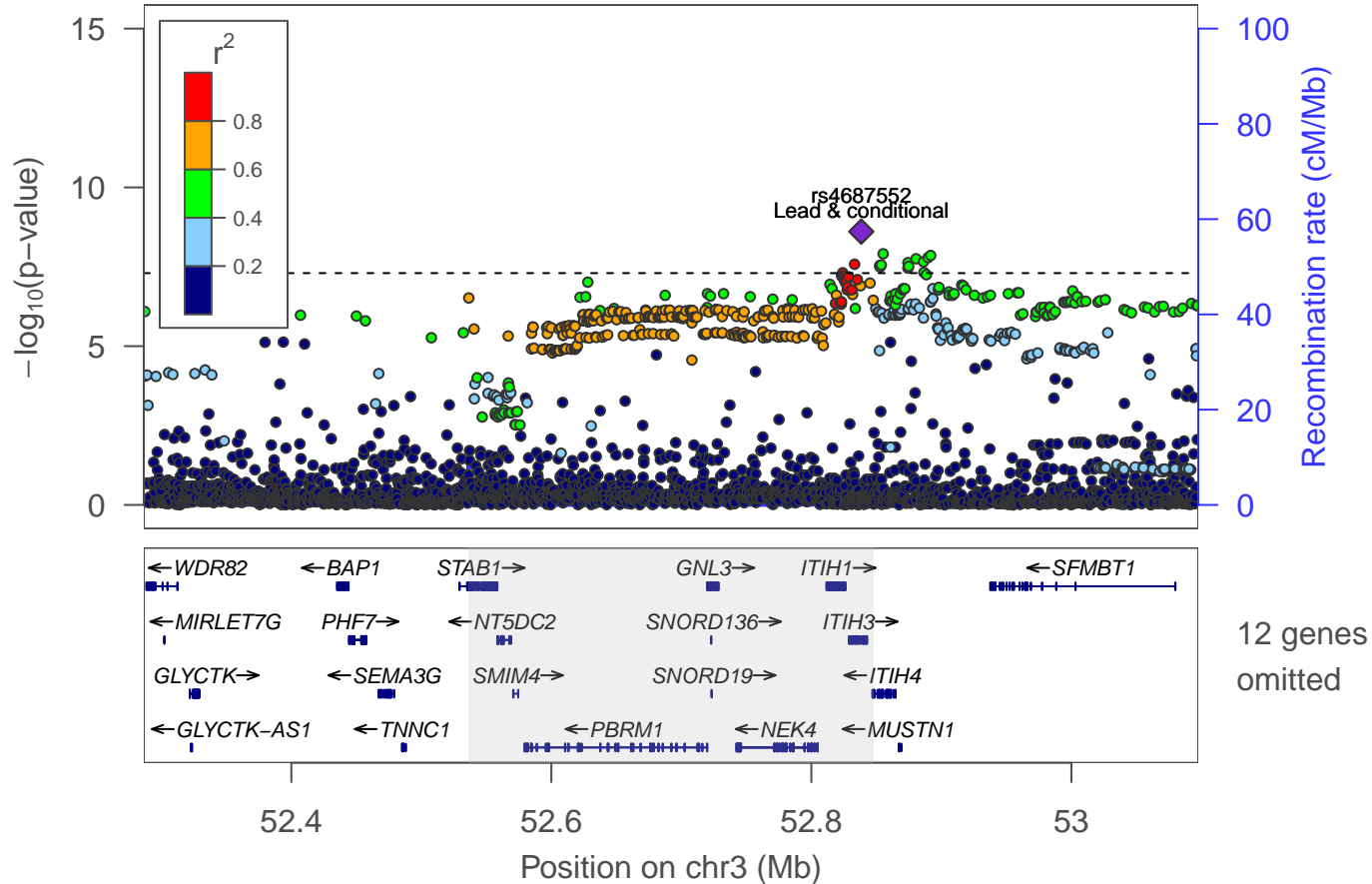
First PC risky behaviors: locus 19 [chr 2:181.828–182.096Mb]



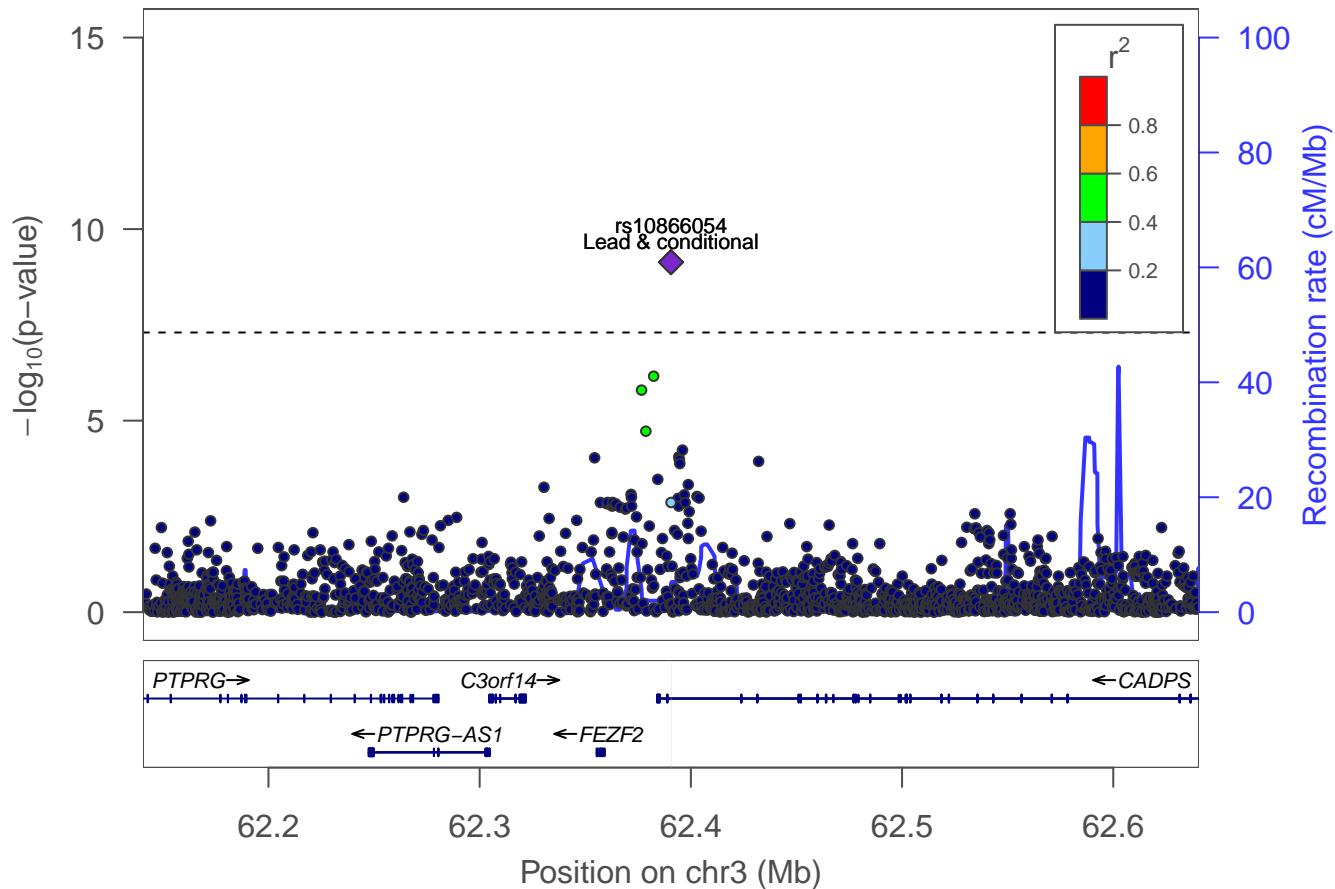
First PC risky behaviors: locus 20 [chr 2:202.843–202.849Mb]



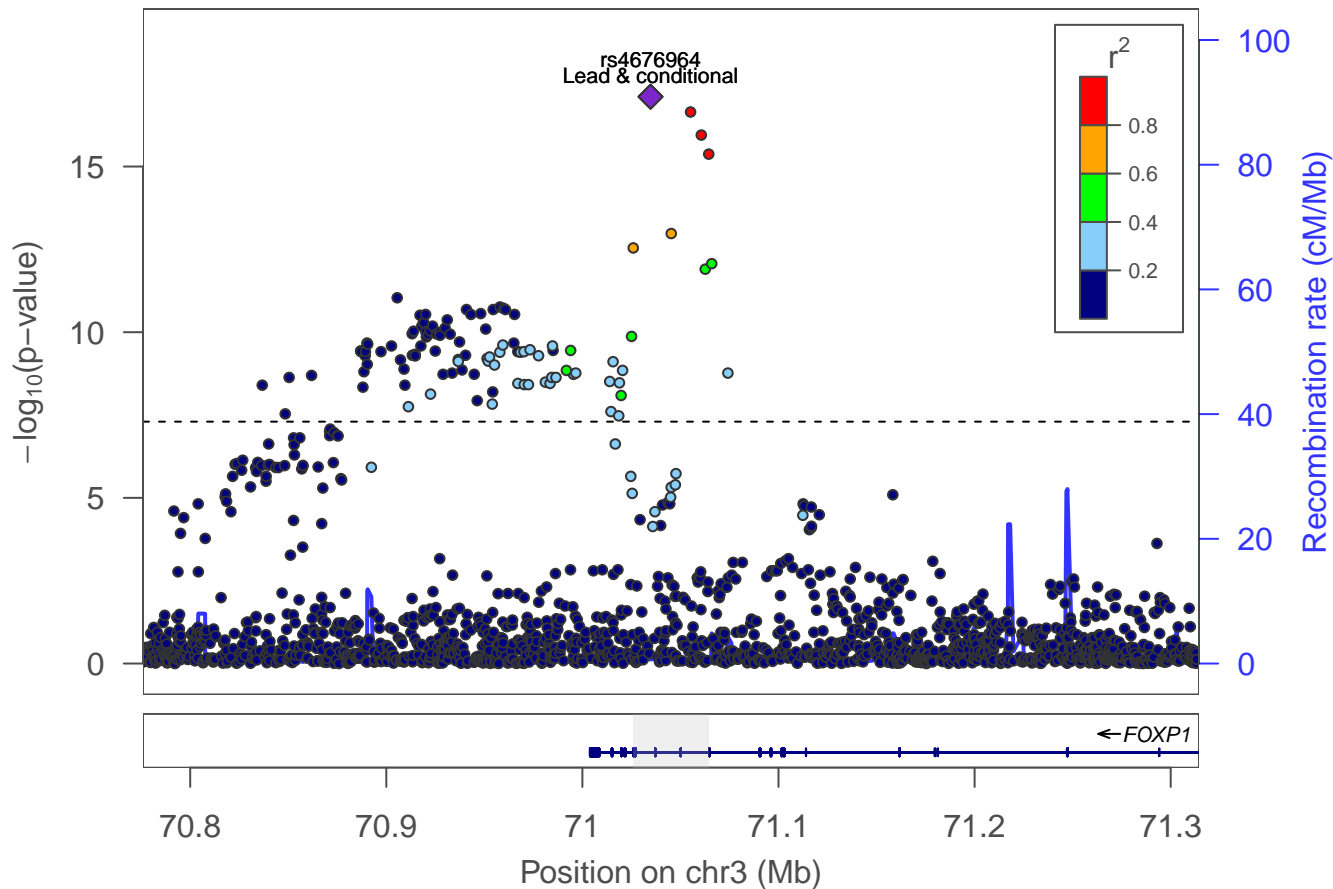
First PC risky behaviors: locus 21 [chr 3:52.537–52.848Mb]



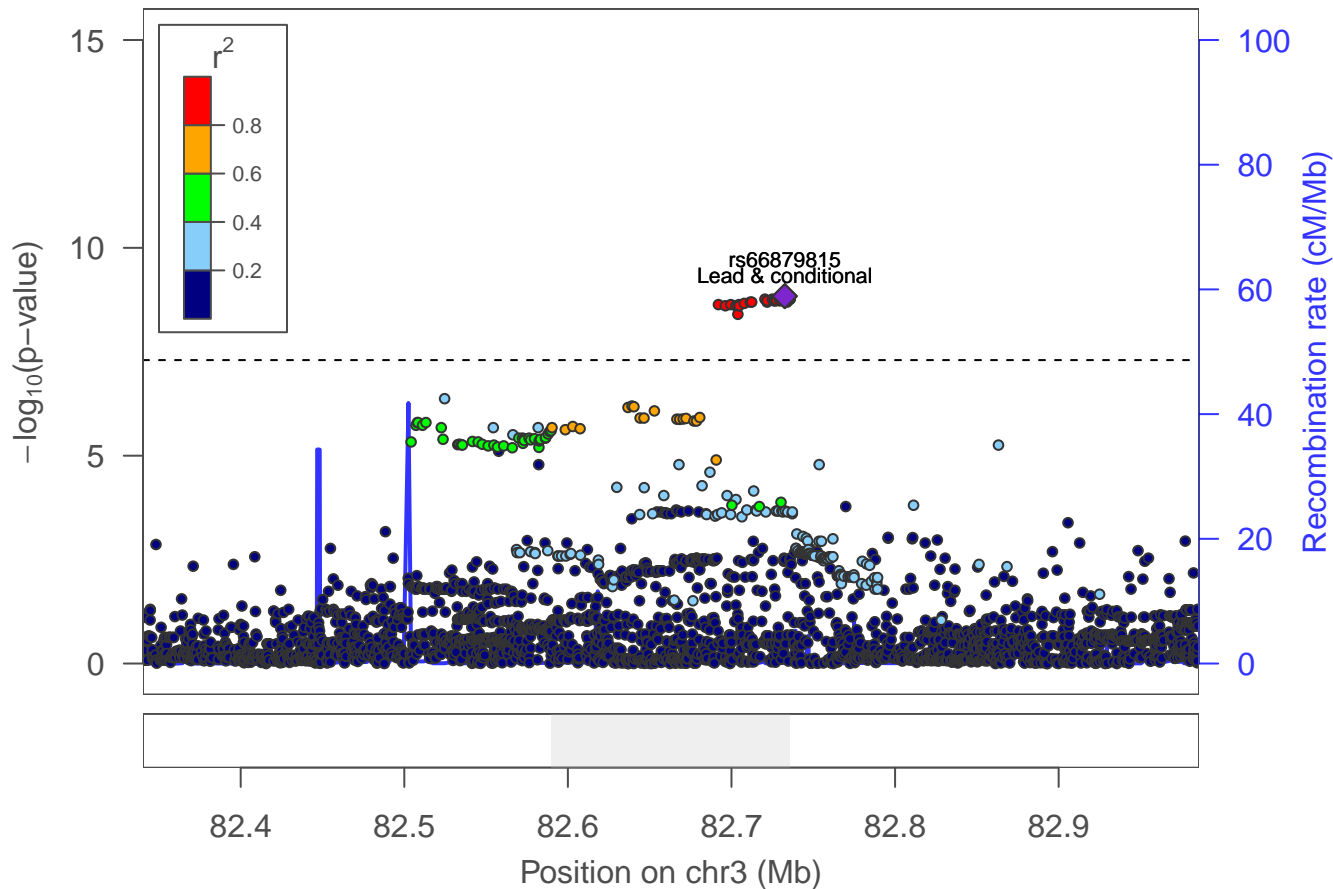
First PC risky behaviors: locus 22 [chr 3:62.391–62.391Mb]



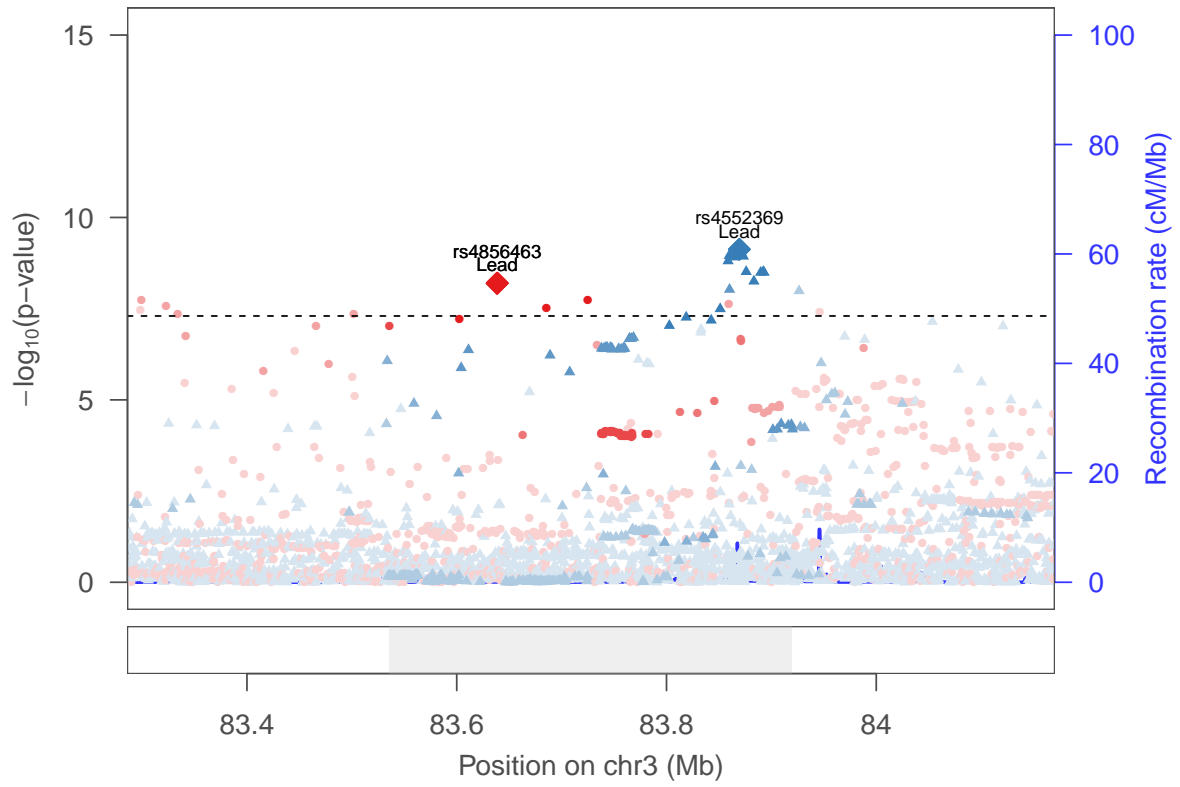
First PC risky behaviors: locus 23 [chr 3:71.026–71.064Mb]



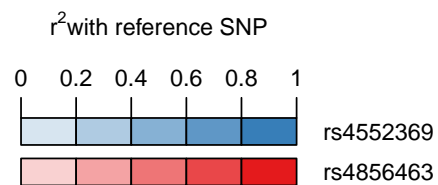
First PC risky behaviors: locus 24 [chr 3:82.590–82.736Mb]



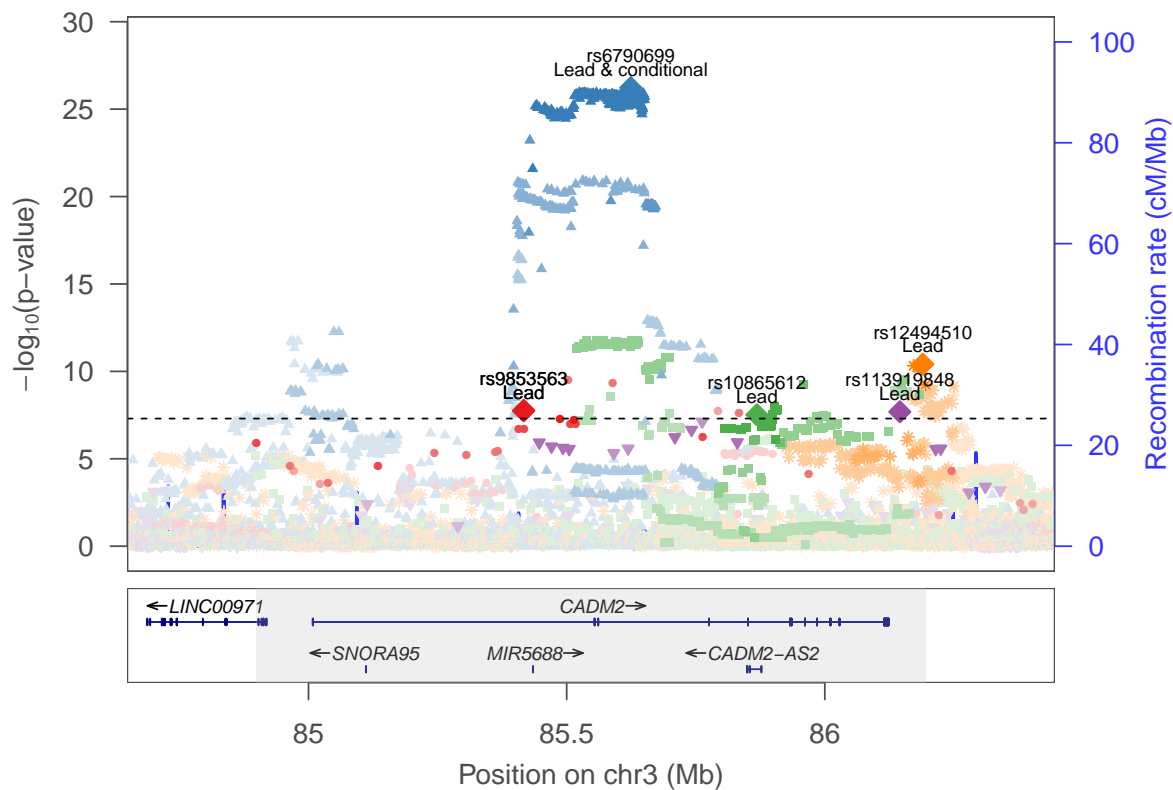
First PC risky behaviors: Locus 25 [chr 3: 83.536–83.920Mb]



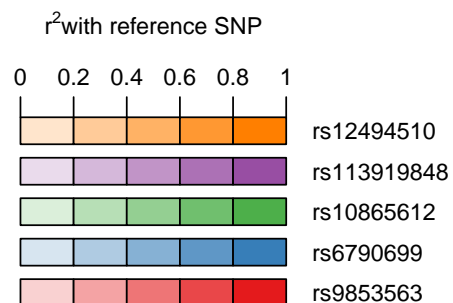
rs4552369 ▲
rs4856463 ●



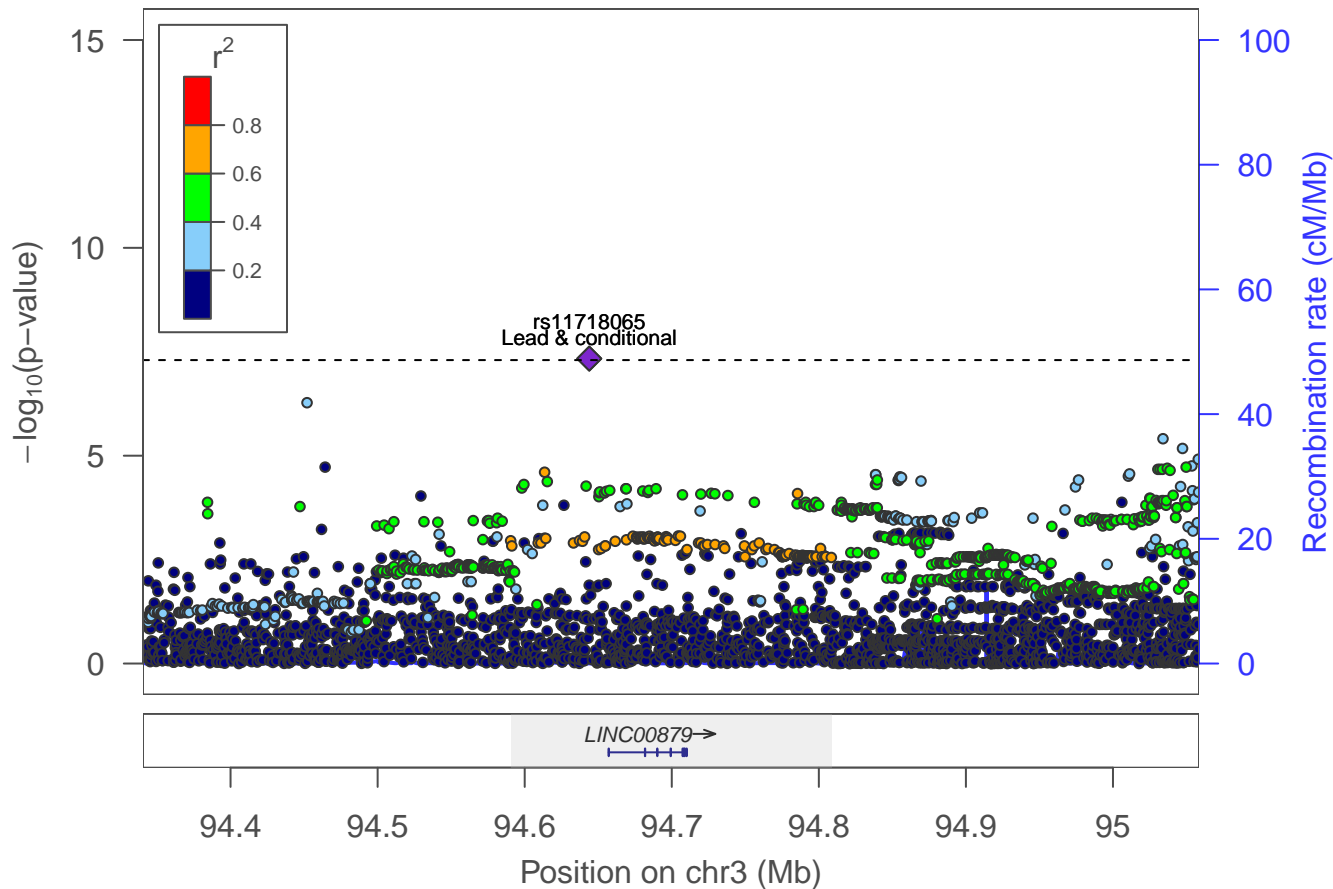
First PC risky behaviors: Locus 26 [chr 3: 84.899–86.195Mb]



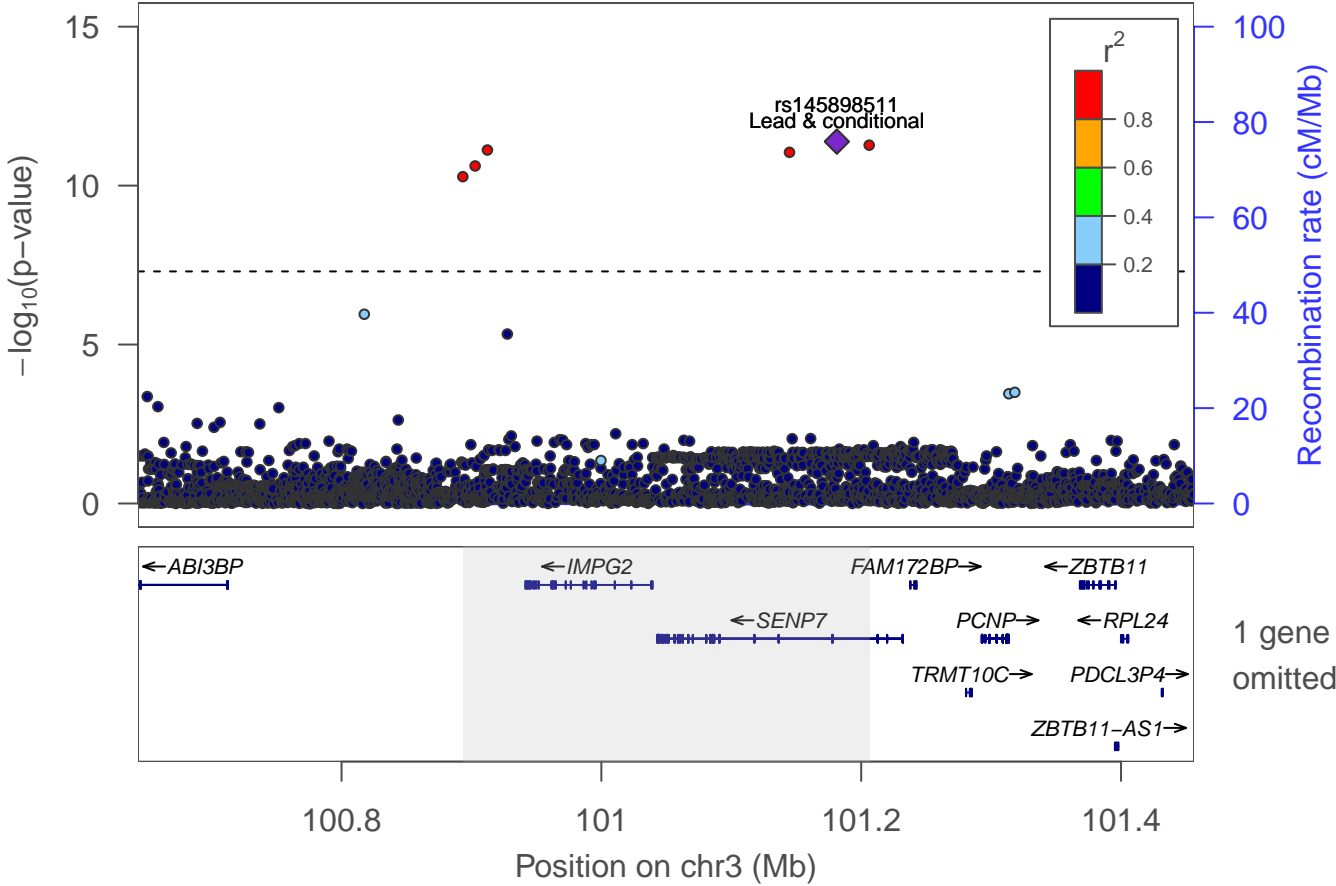
- rs12494510 * (orange asterisk)
- rs113919848 ▾ (purple inverted triangle)
- rs10865612 ■ (green square)
- rs6790699 ▲ (blue triangle)
- rs9853563 ● (red circle)



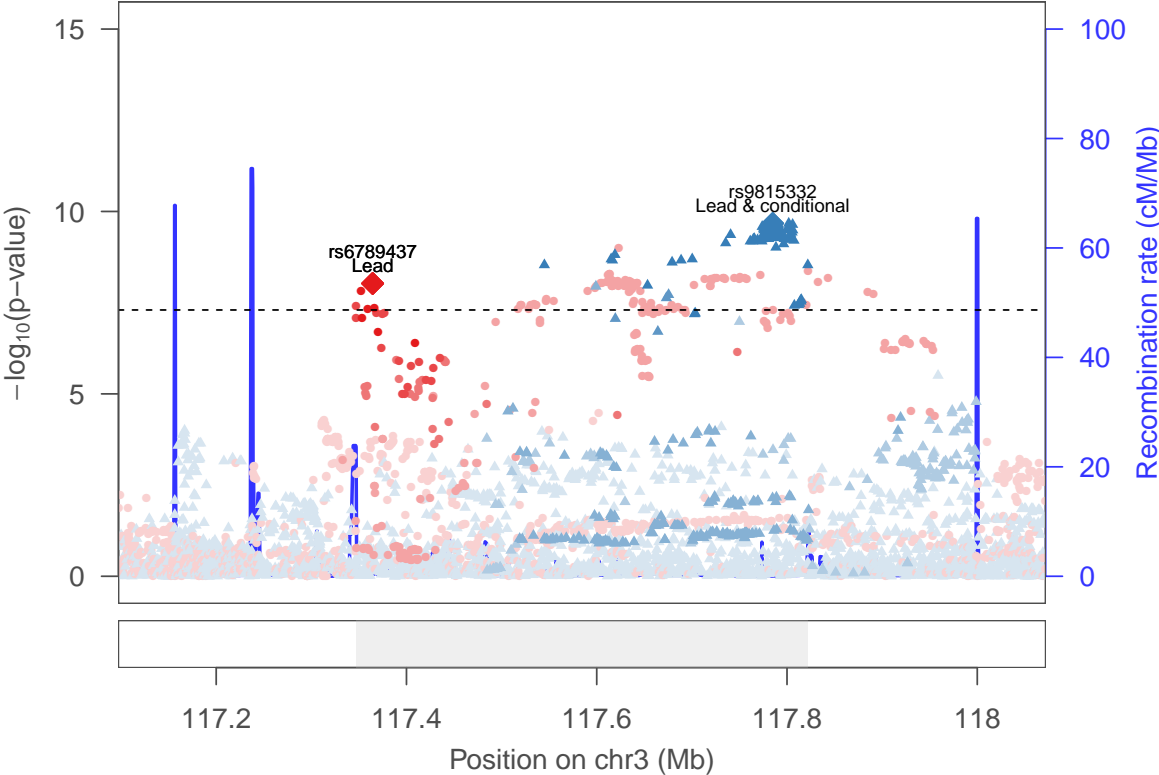
First PC risky behaviors: locus 27 [chr 3:94.590–94.808Mb]



First PC risky behaviors: locus 28 [chr 3:100.893–101.206Mb]



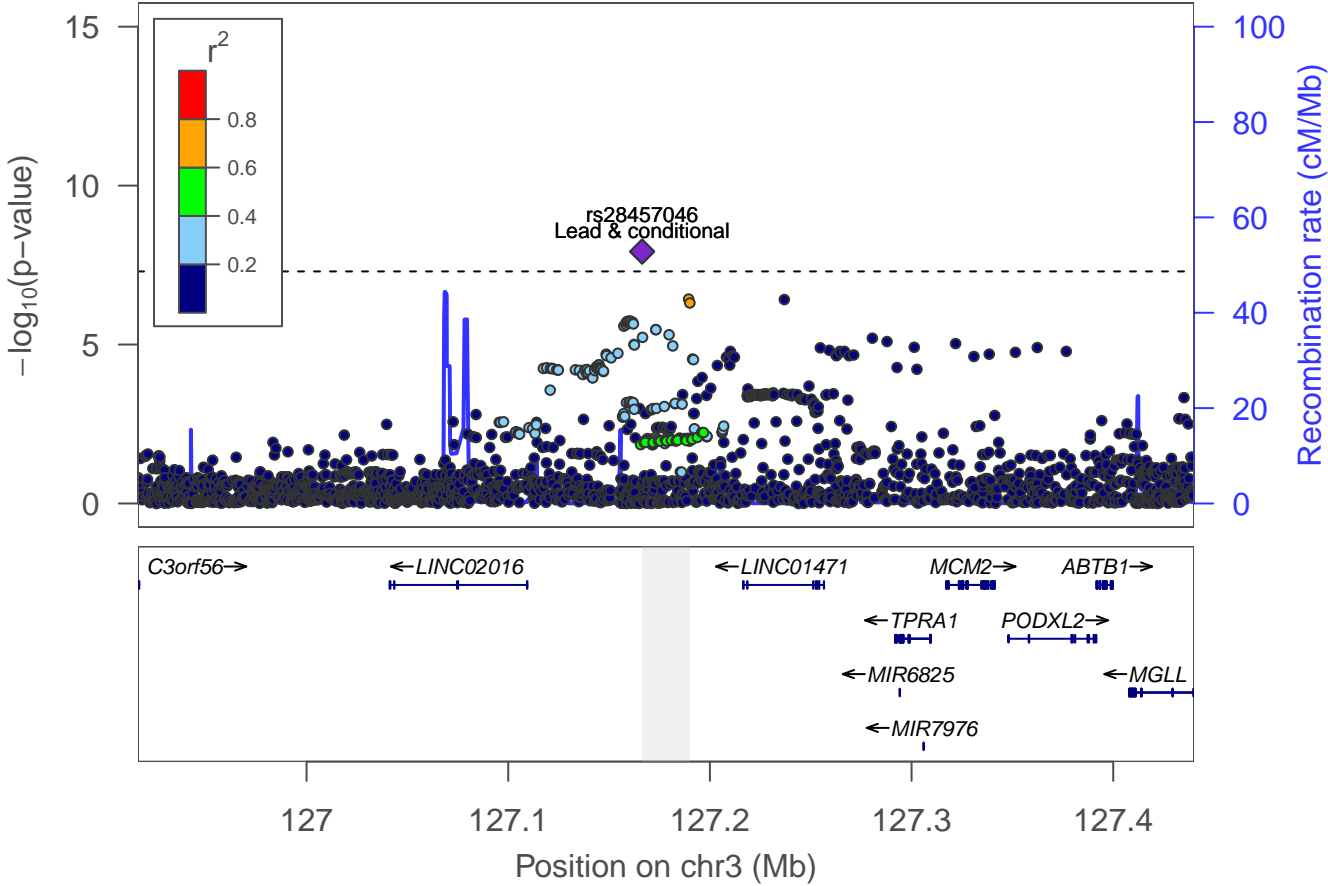
First PC risky behaviors: Locus 29 [chr 3: 117.347–117.822Mb]



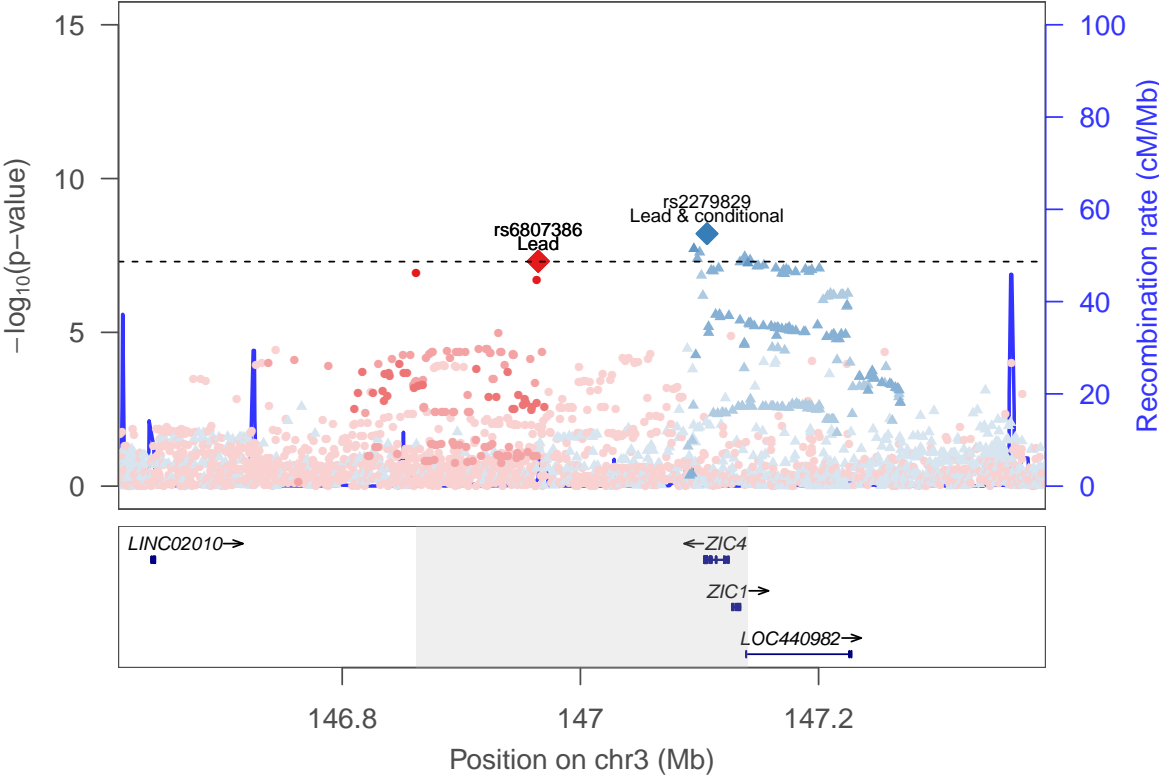
rs9815332 ▲
rs6789437 ●



First PC risky behaviors: locus 30 [chr 3:127.166–127.190Mb]



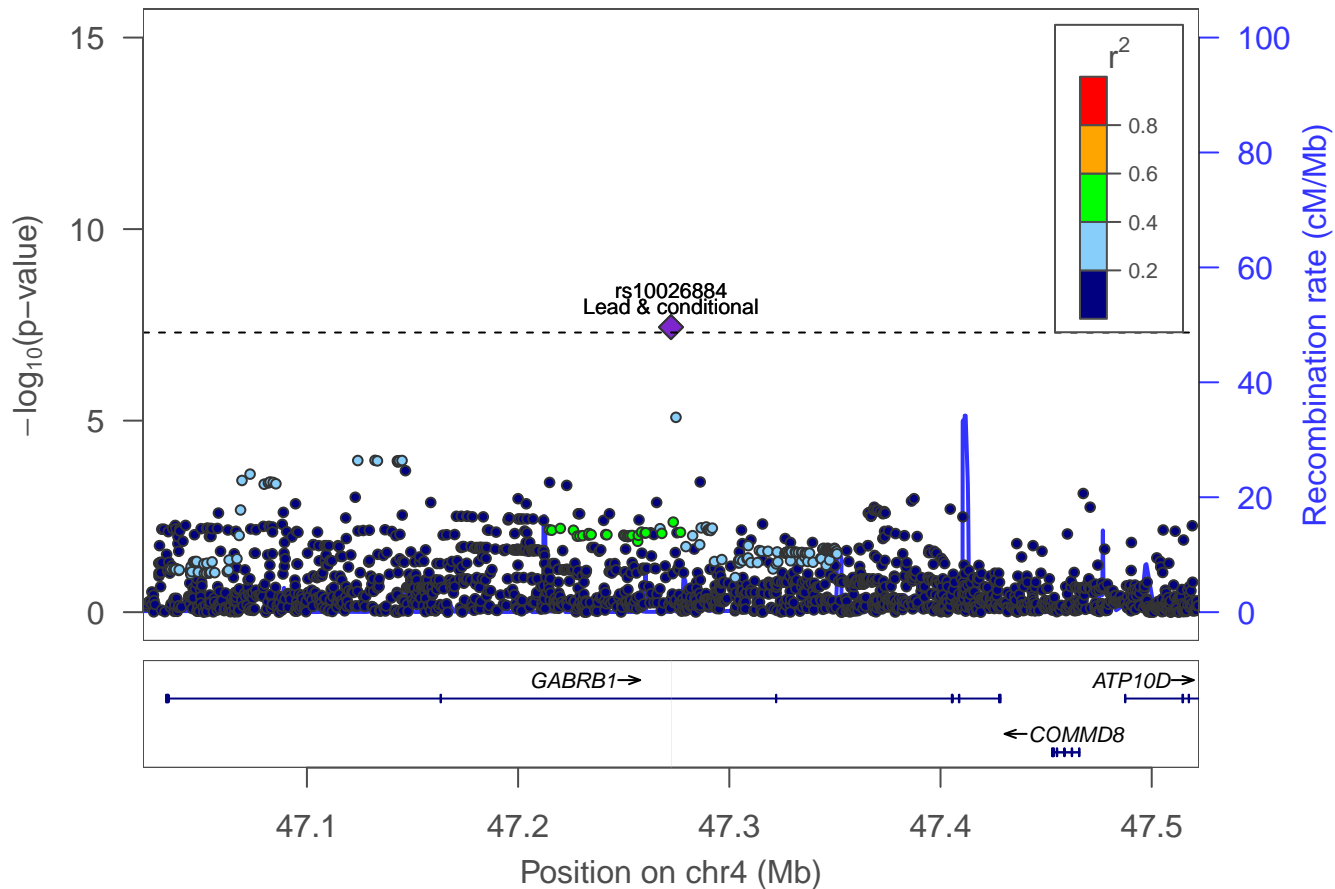
First PC risky behaviors: Locus 31 [chr 3: 146.862–147.141Mb]



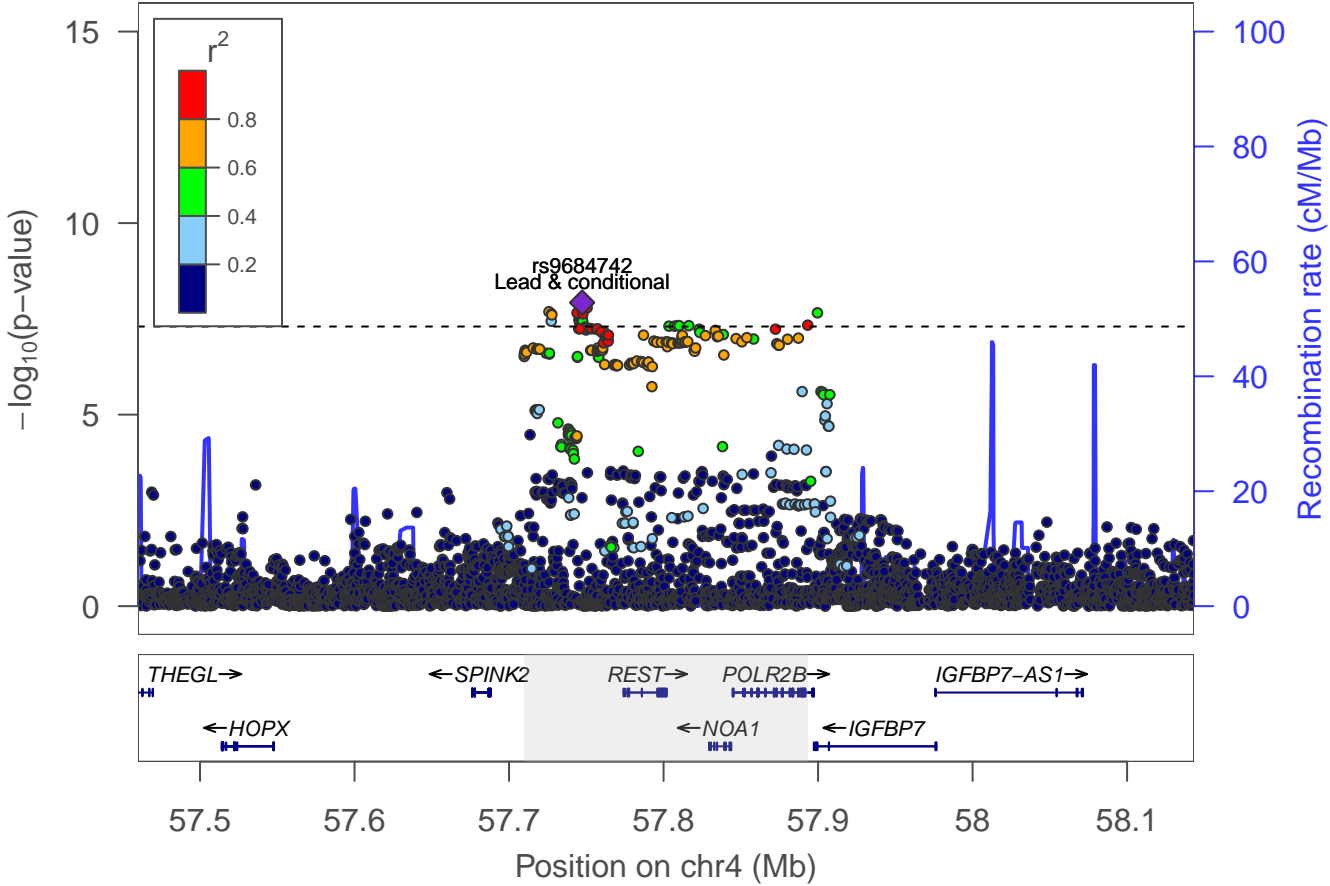
rs2279829 ▲
rs6807386 ●



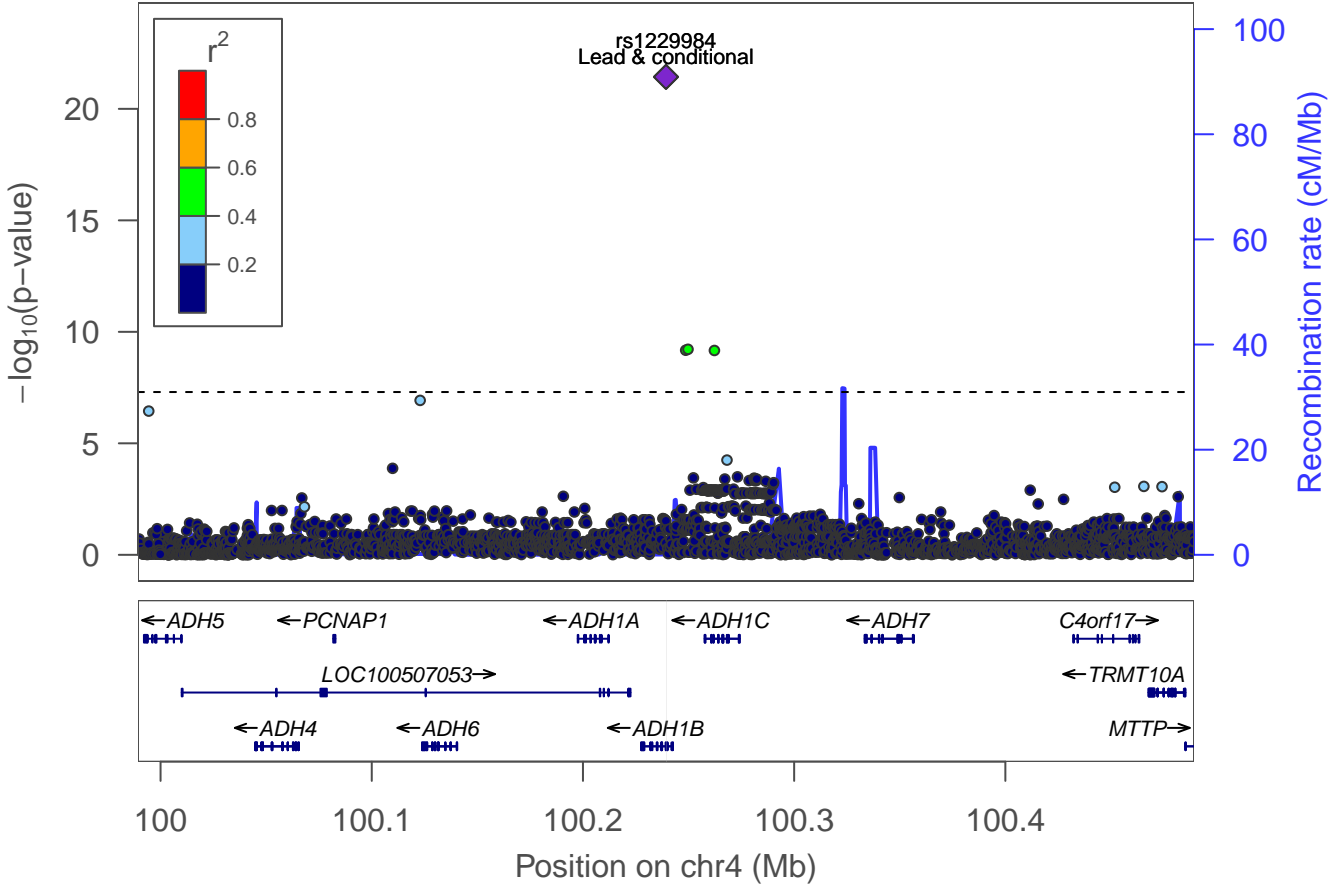
First PC risky behaviors: locus 32 [chr 4:47.272–47.272Mb]



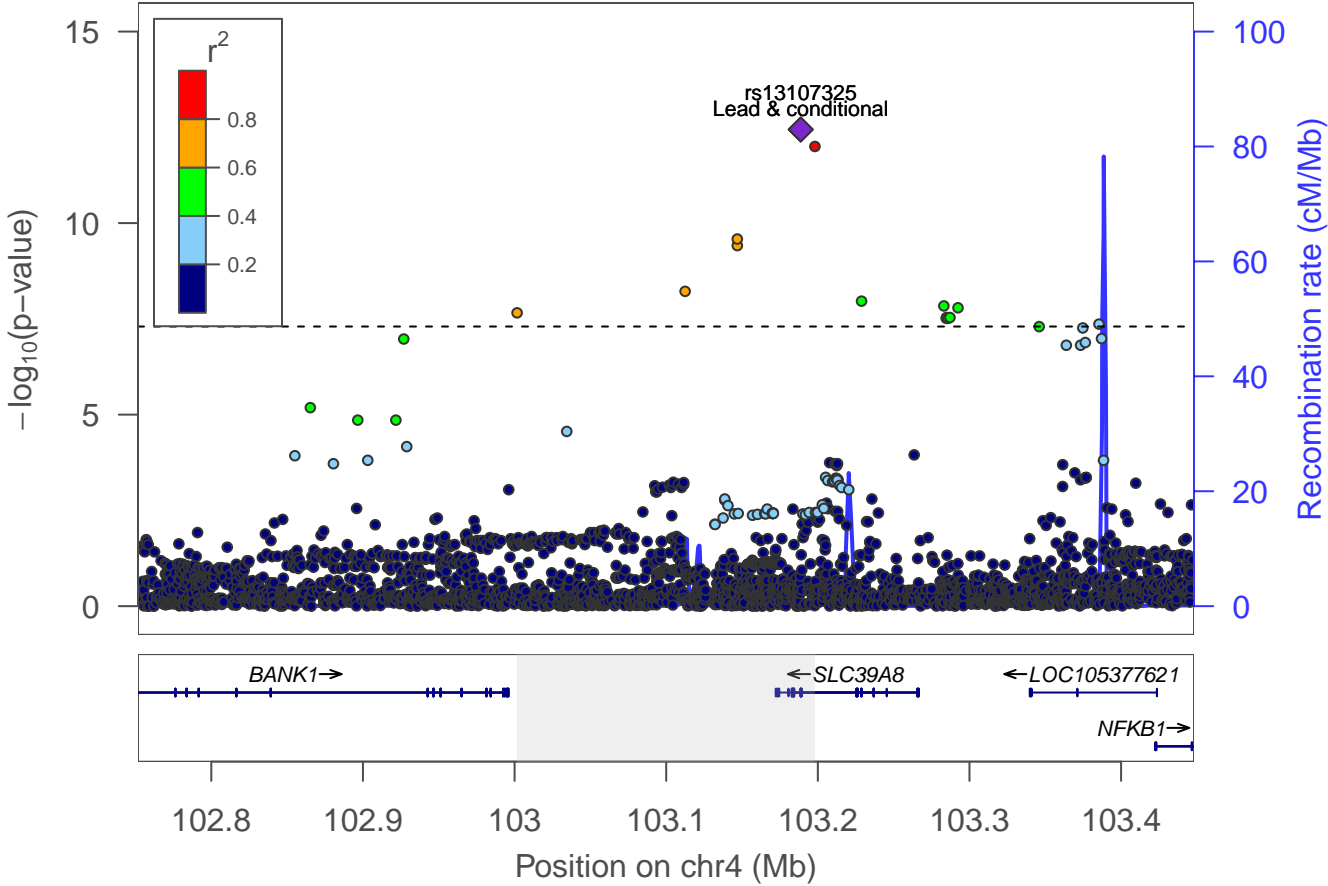
First PC risky behaviors: locus 33 [chr 4:57.710–57.893Mb]



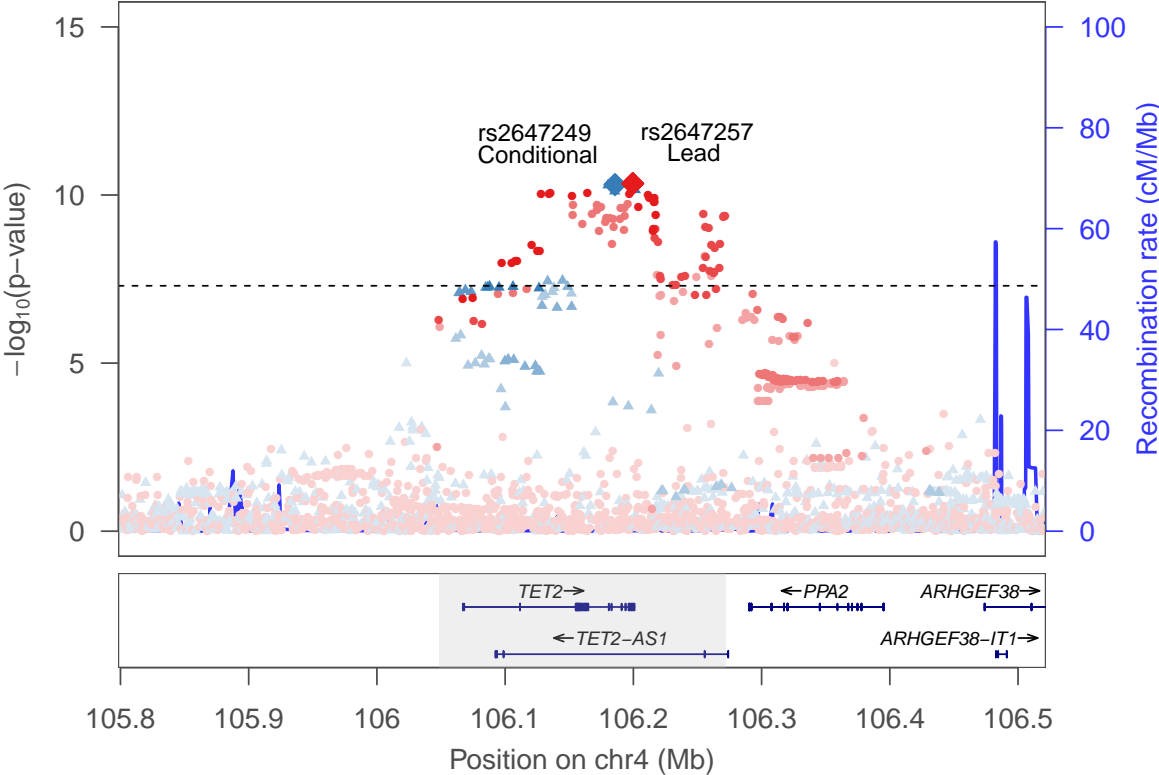
First PC risky behaviors: locus 34 [chr 4:100.239–100.239Mb]



First PC risky behaviors: locus 35 [chr 4:103.002–103.198Mb]



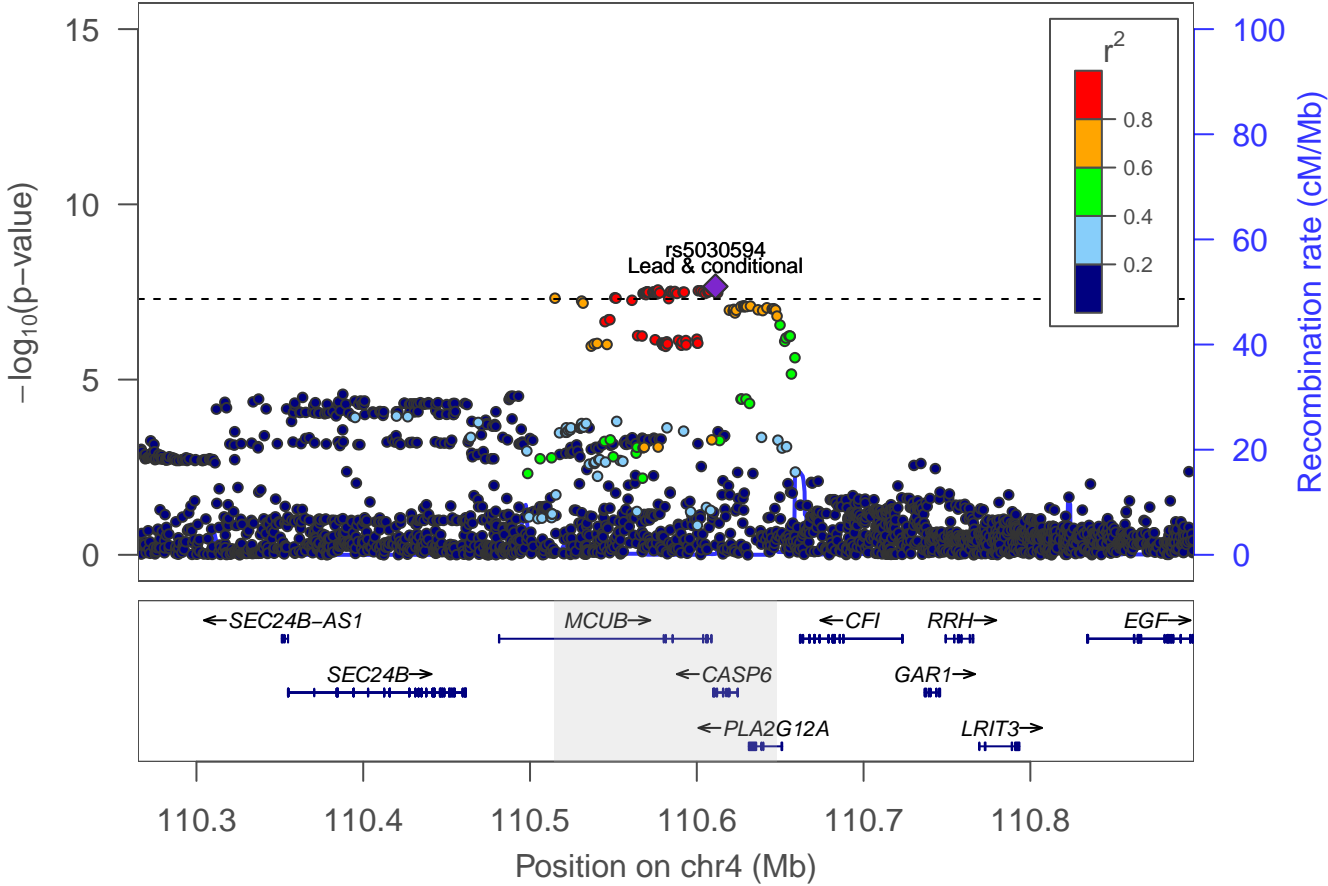
First PC risky behaviors: Locus 36 [chr 4: 106.048–106.272Mb]



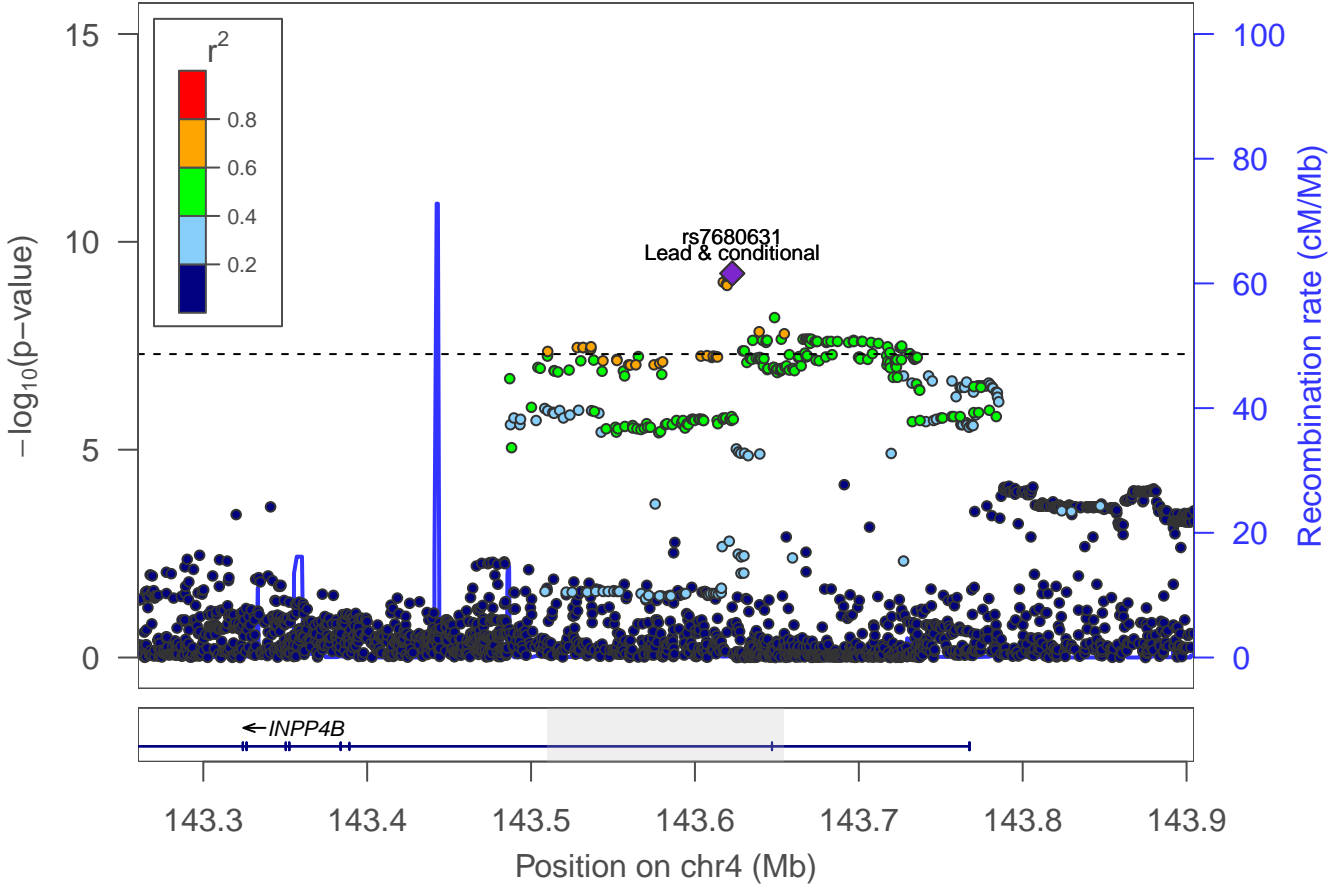
rs2647249 ▲
rs2647257 ●



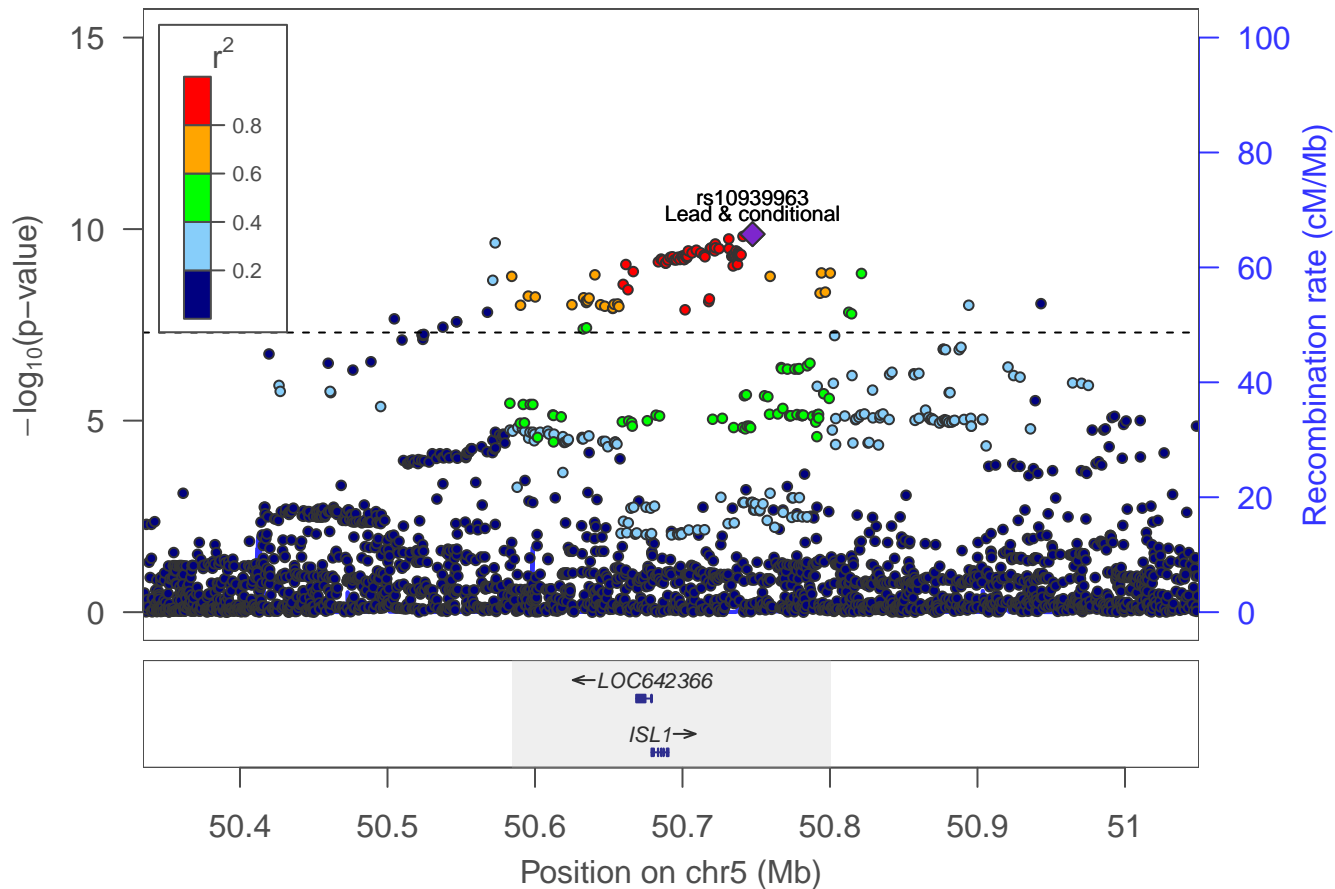
First PC risky behaviors: locus 37 [chr 4:110.515–110.648Mb]



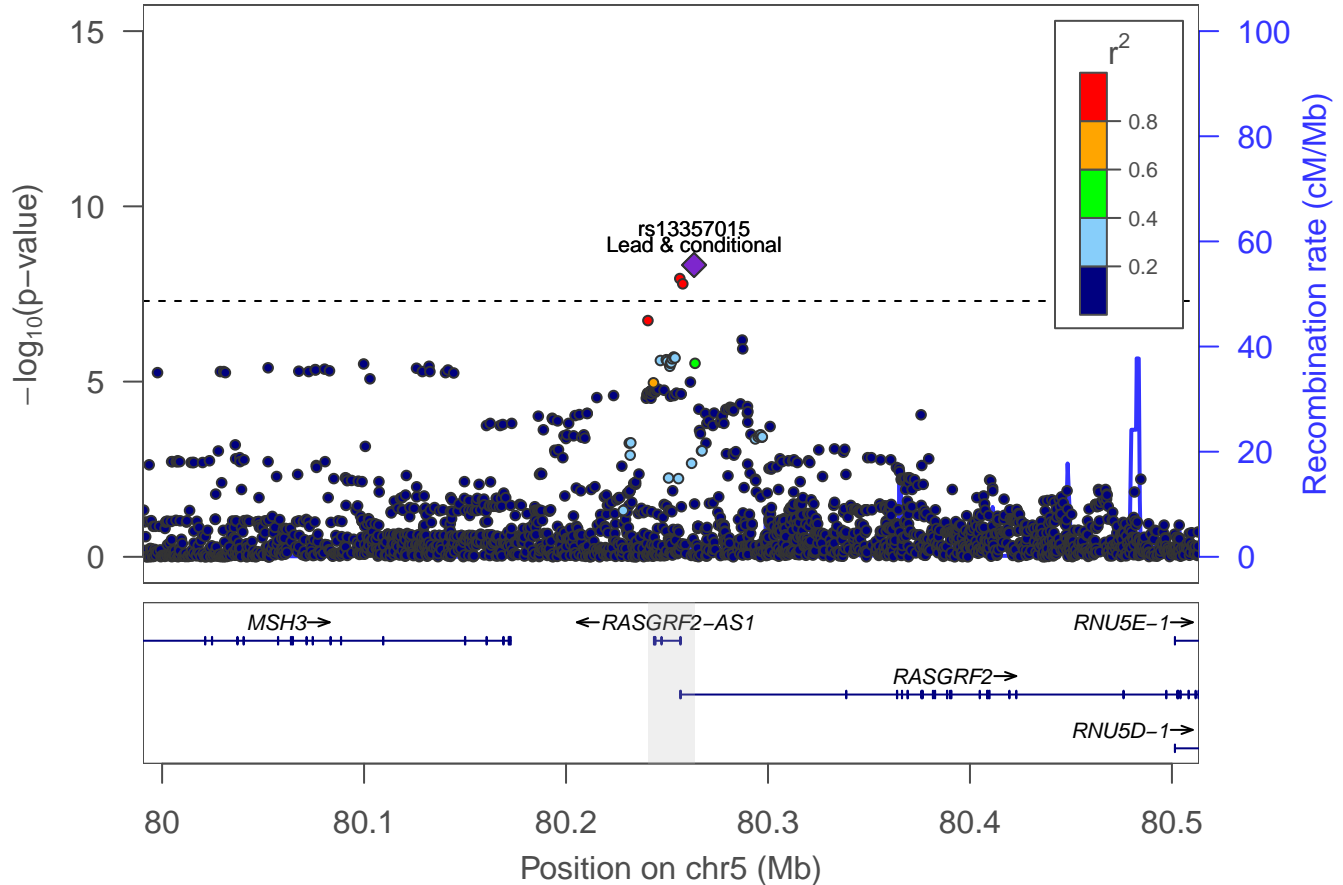
First PC risky behaviors: locus 38 [chr 4:143.510–143.655Mb]



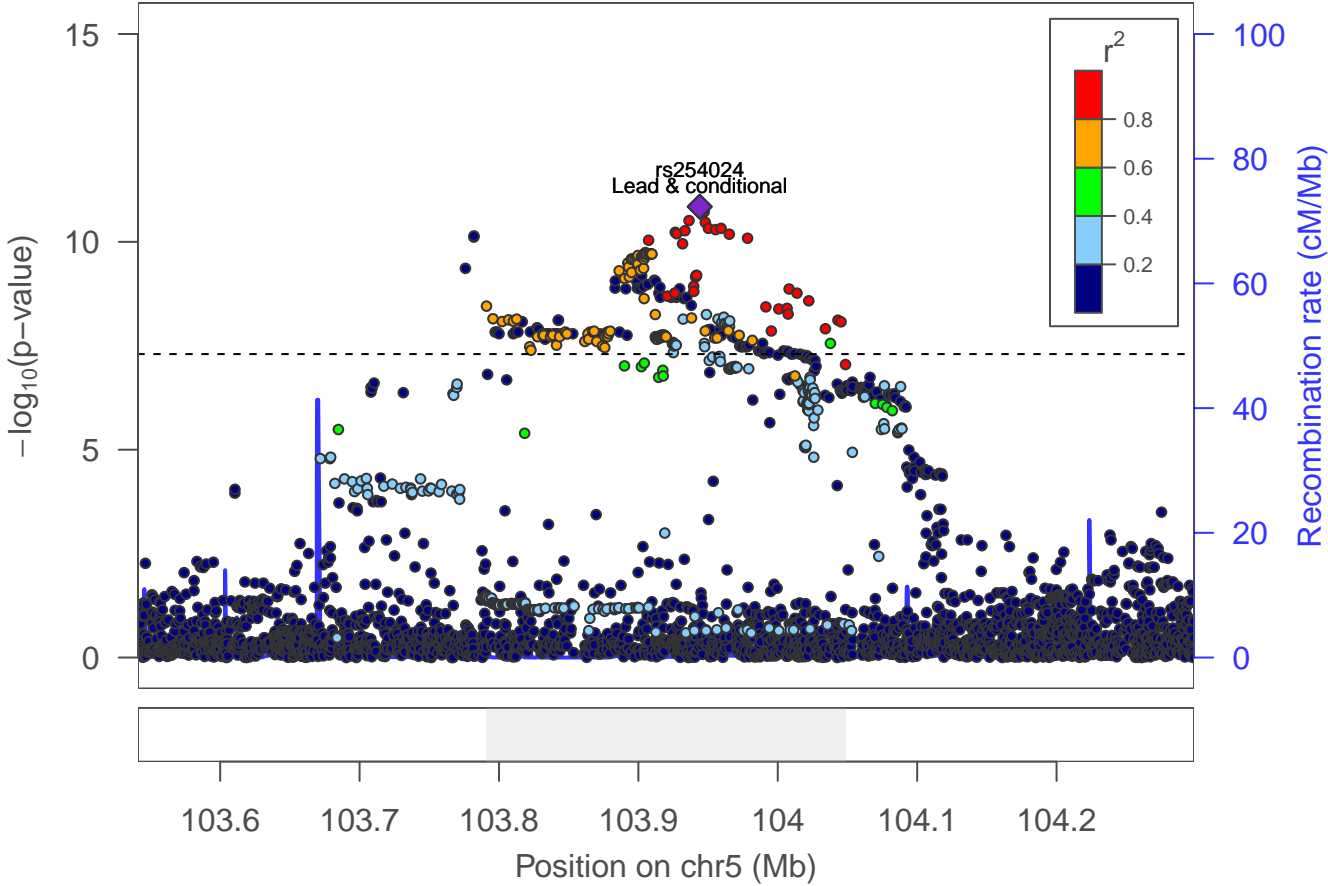
First PC risky behaviors: locus 39 [chr 5:50.584–50.800Mb]



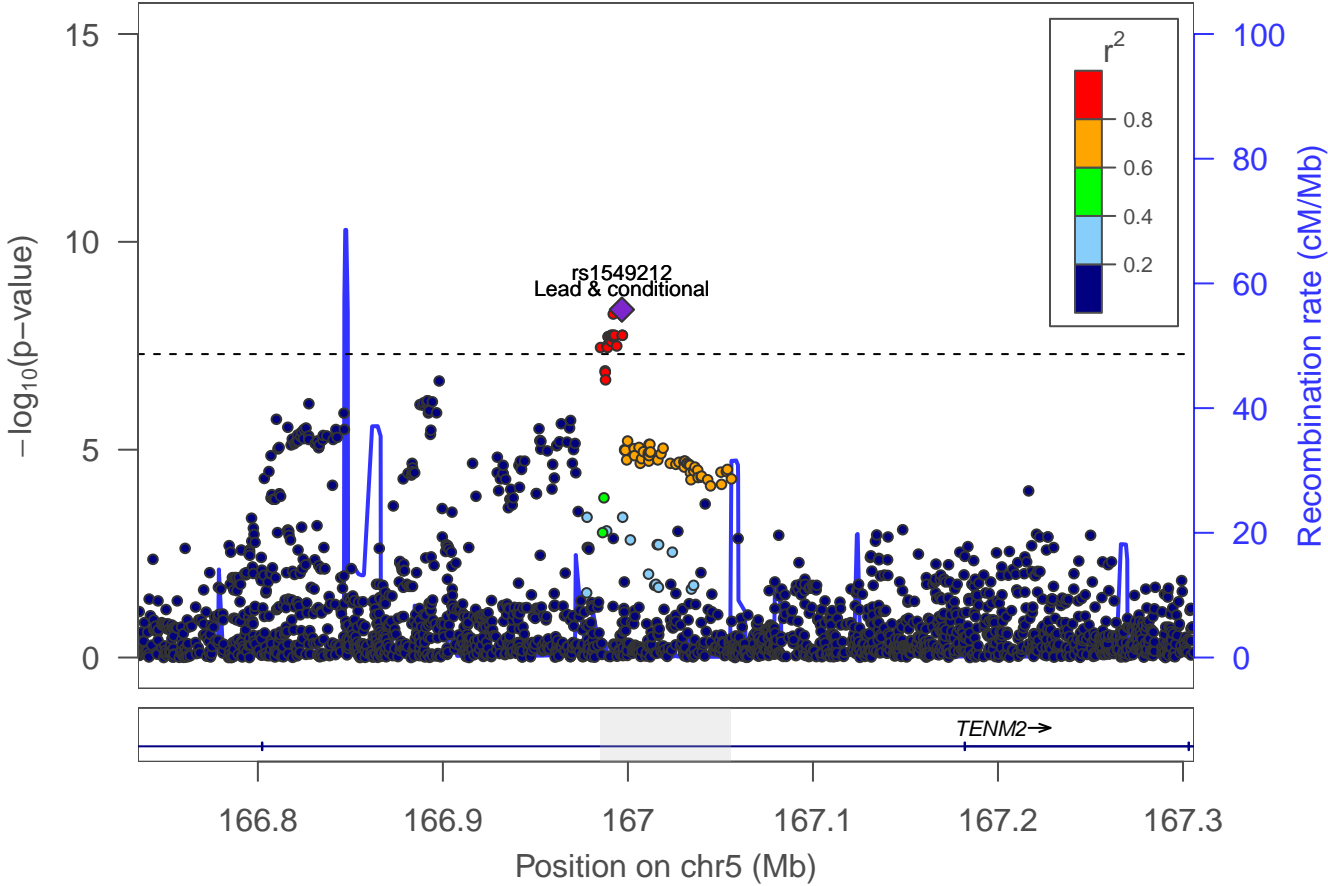
First PC risky behaviors: locus 40 [chr 5:80.241–80.263Mb]



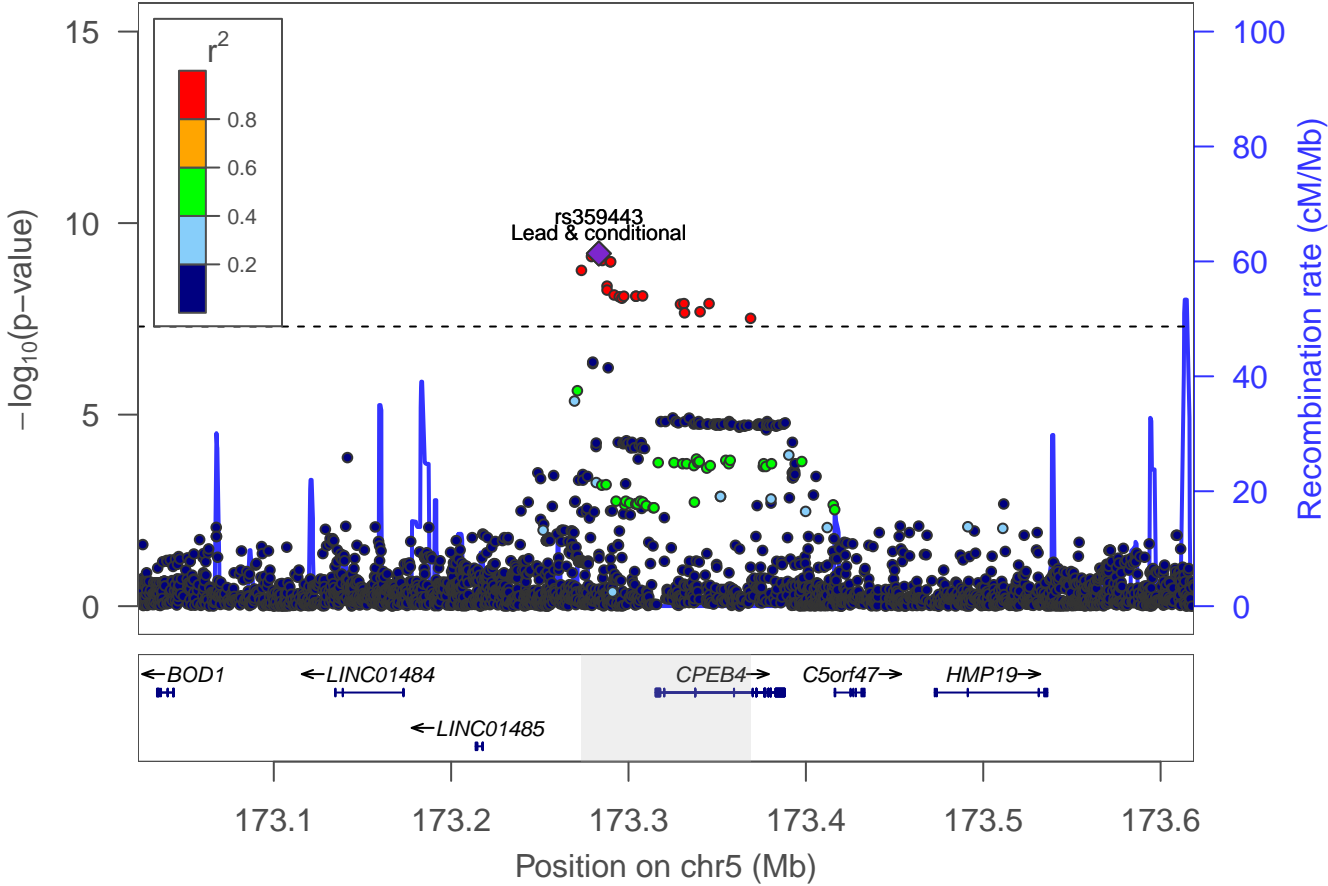
First PC risky behaviors: locus 41 [chr 5:103.791–104.049Mb]



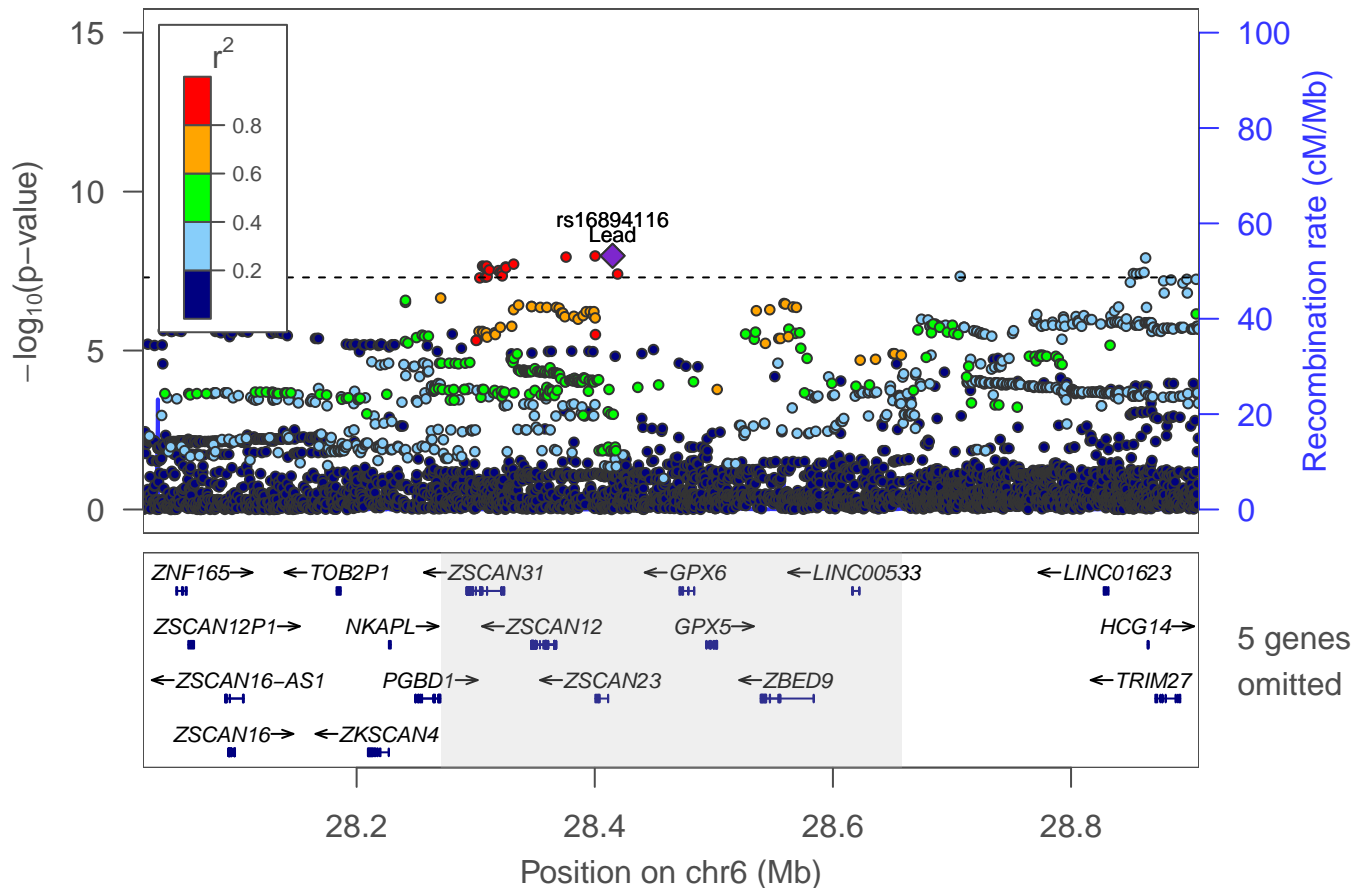
First PC risky behaviors: locus 42 [chr 5:166.985–167.056Mb]



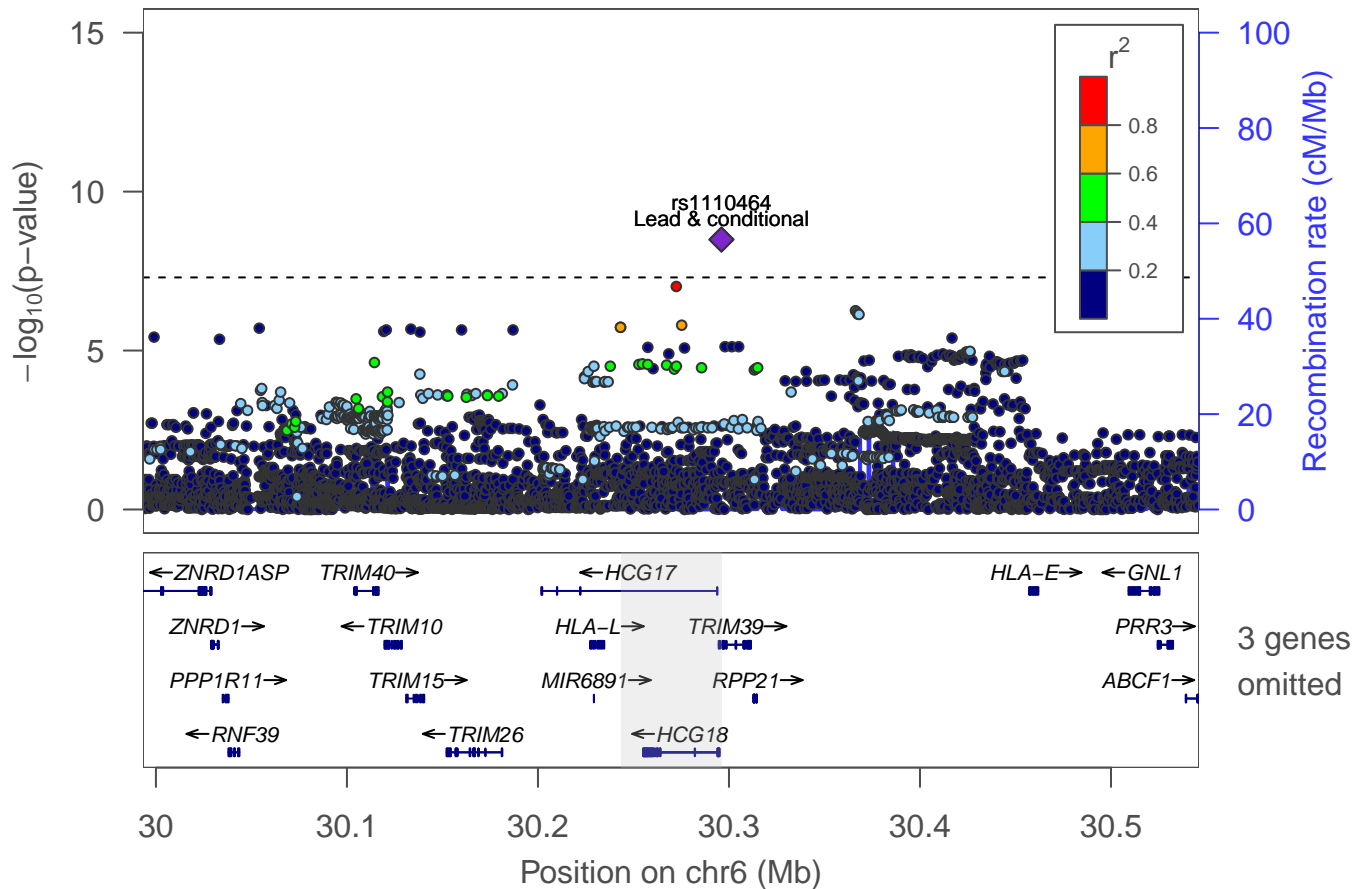
First PC risky behaviors: locus 43 [chr 5:173.273–173.369Mb]



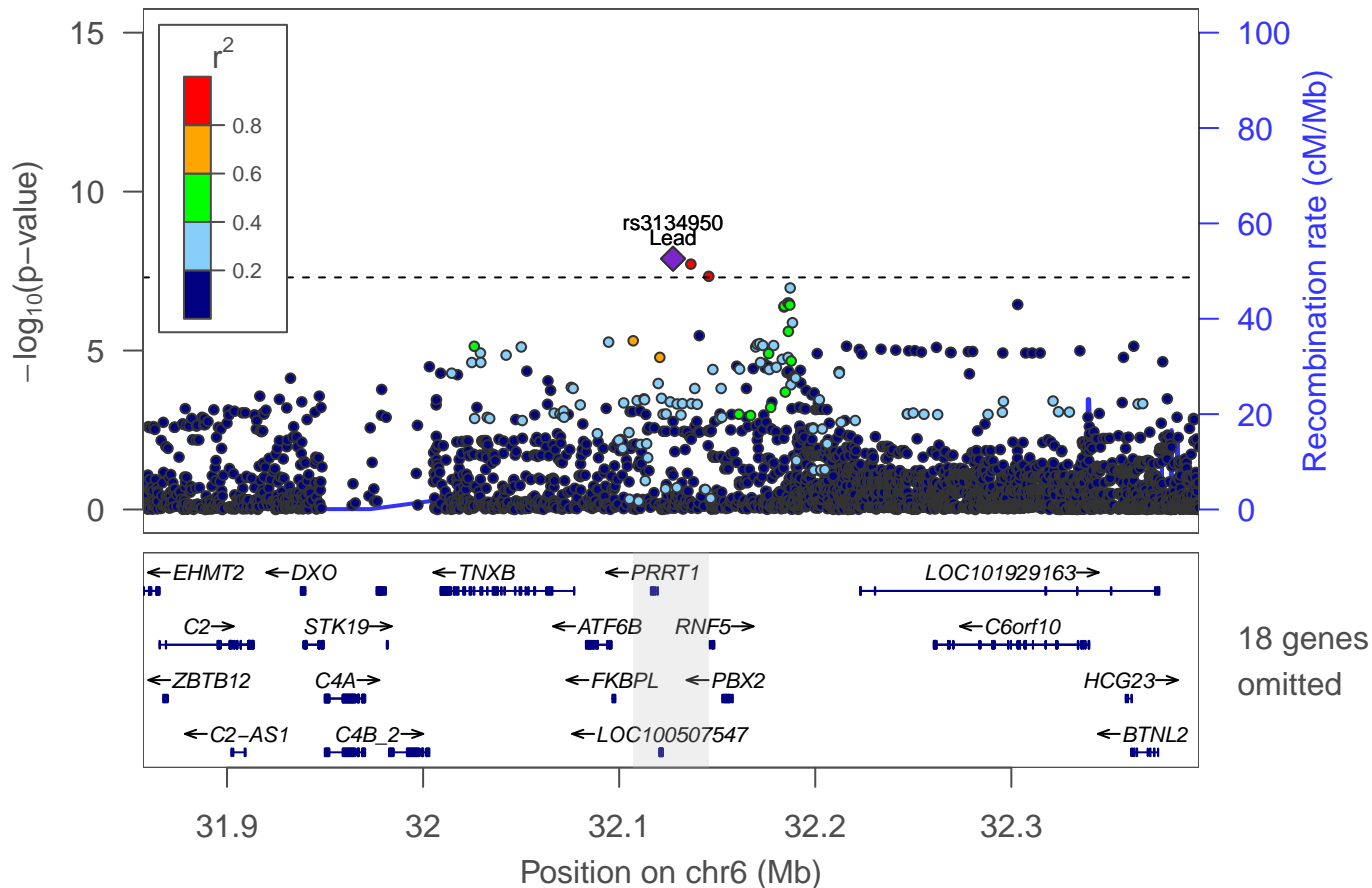
First PC risky behaviors: locus 44 [chr 6:28.271–28.657Mb]



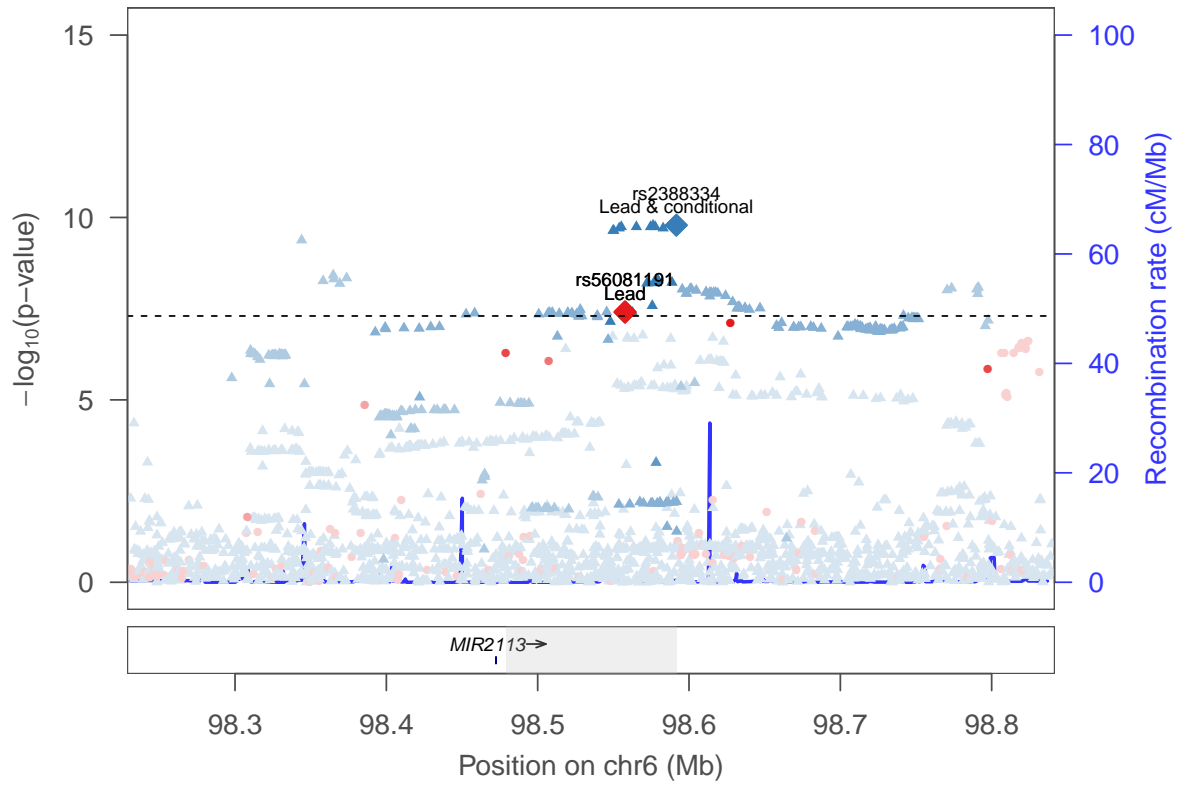
First PC risky behaviors: locus 45 [chr 6:30.243–30.296Mb]



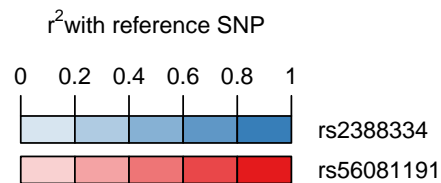
First PC risky behaviors: locus 46 [chr 6:32.107–32.146Mb]



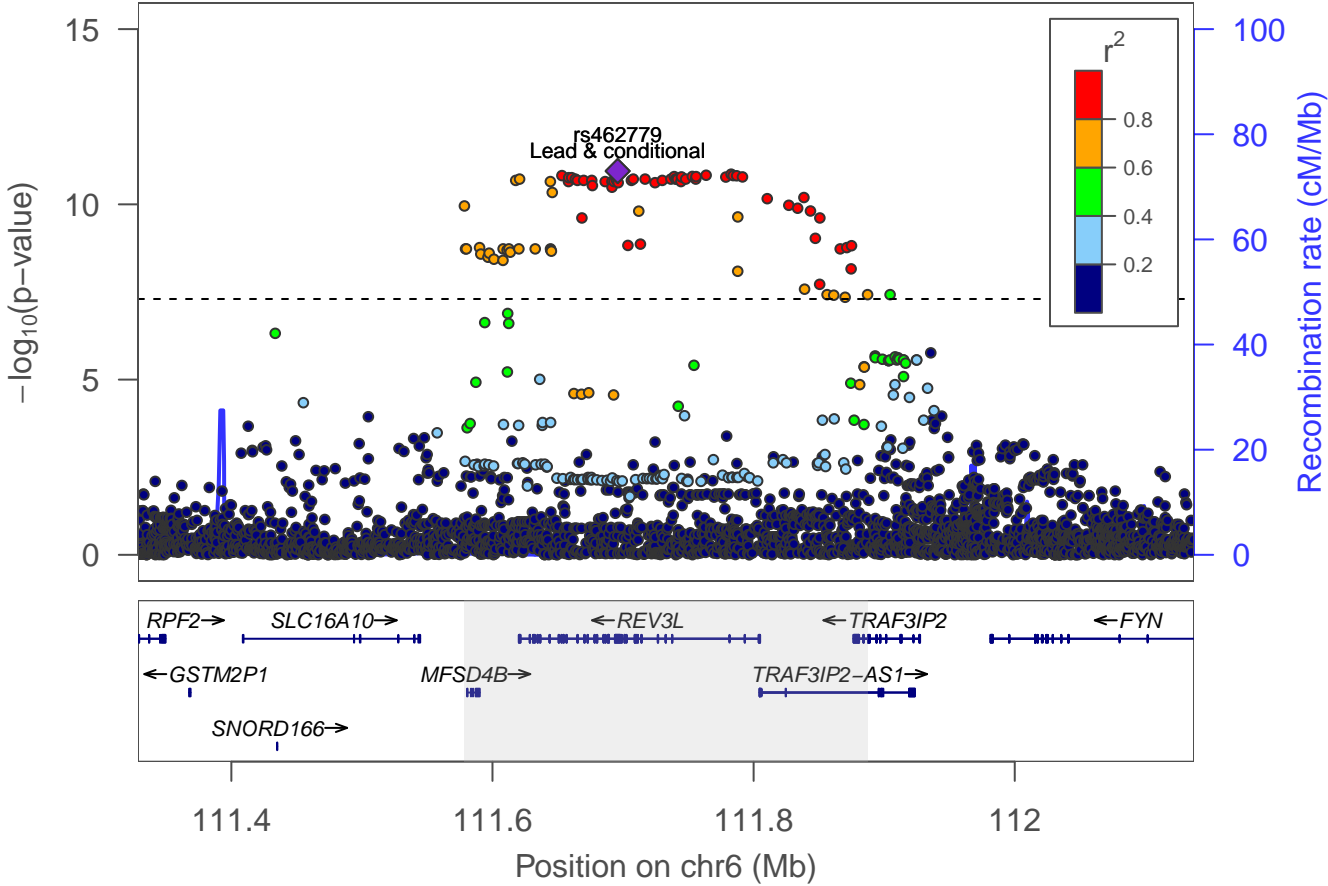
First PC risky behaviors: Locus 47 [chr 6: 98.479–98.592Mb]



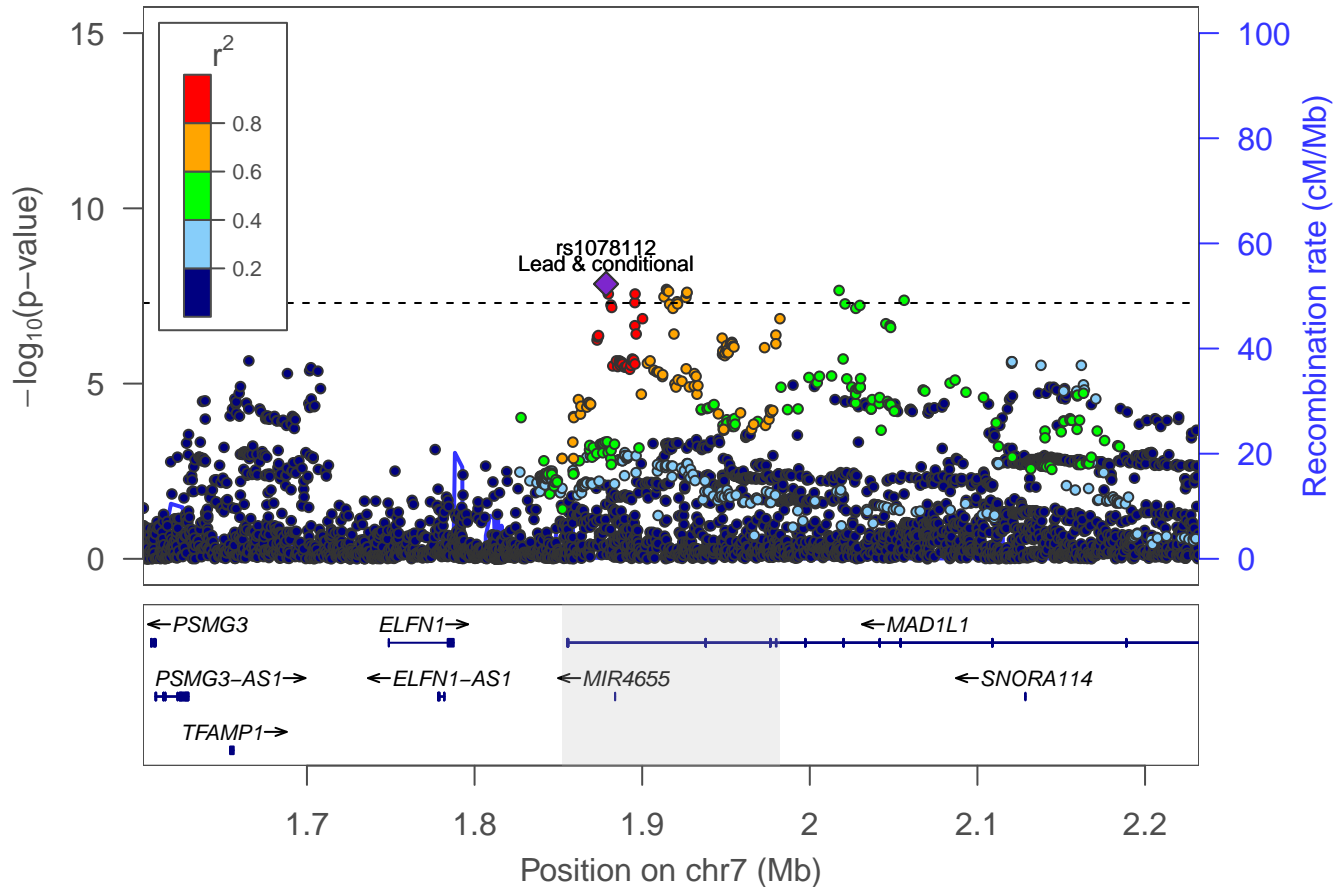
rs2388334 ▲
rs56081191 ●



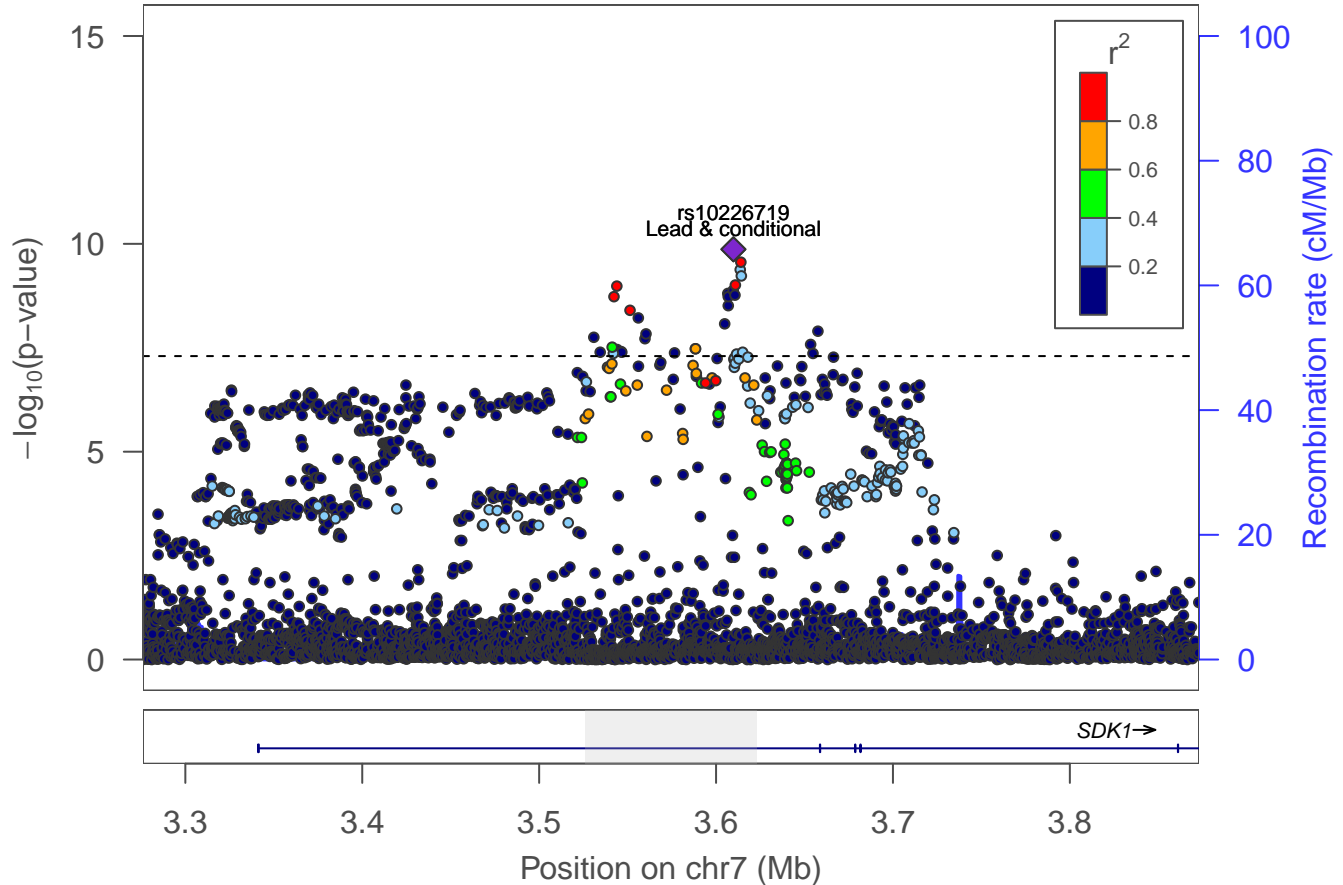
First PC risky behaviors: locus 48 [chr 6:111.578–111.887Mb]



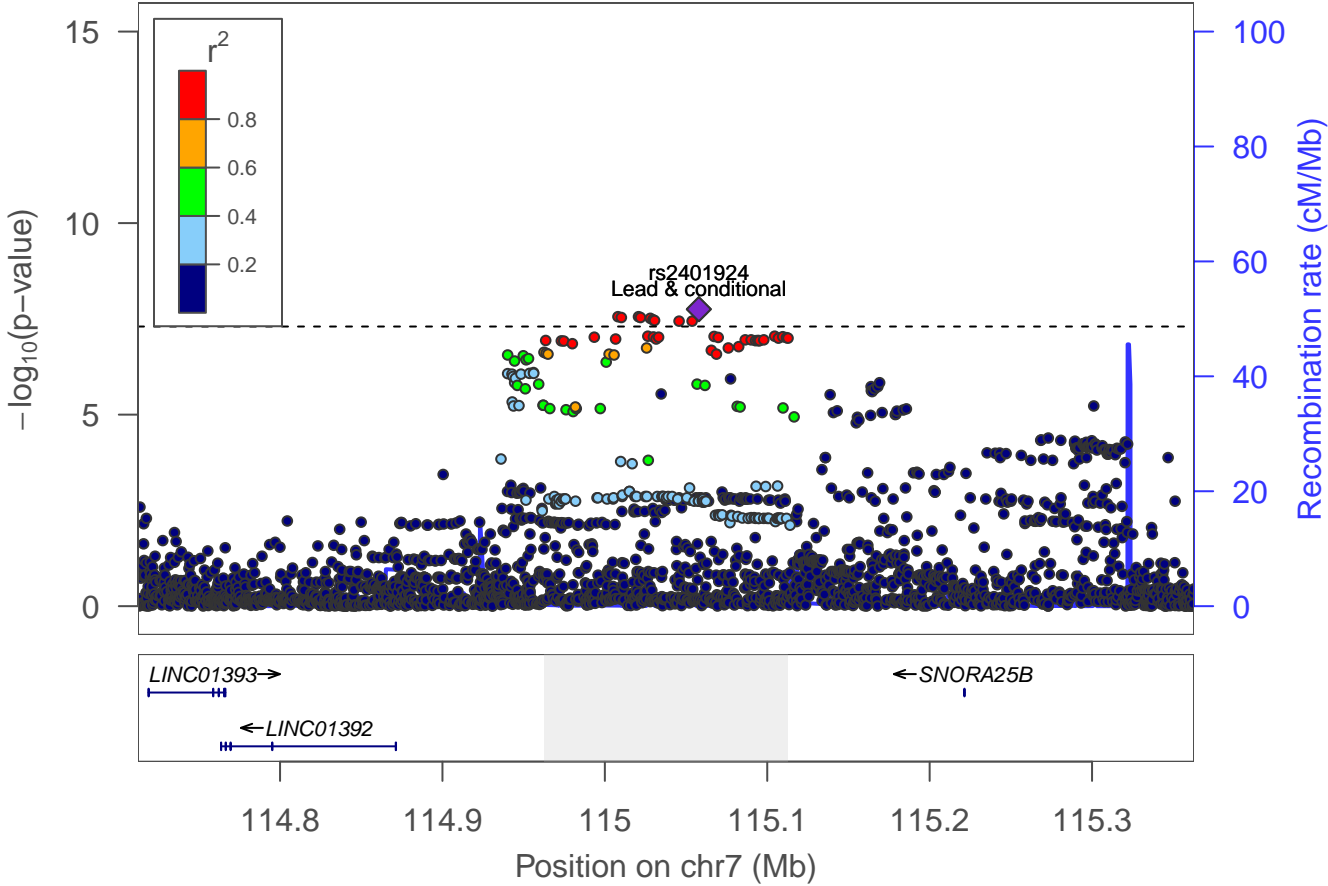
First PC risky behaviors: locus 49 [chr 7:1.852–1.982Mb]



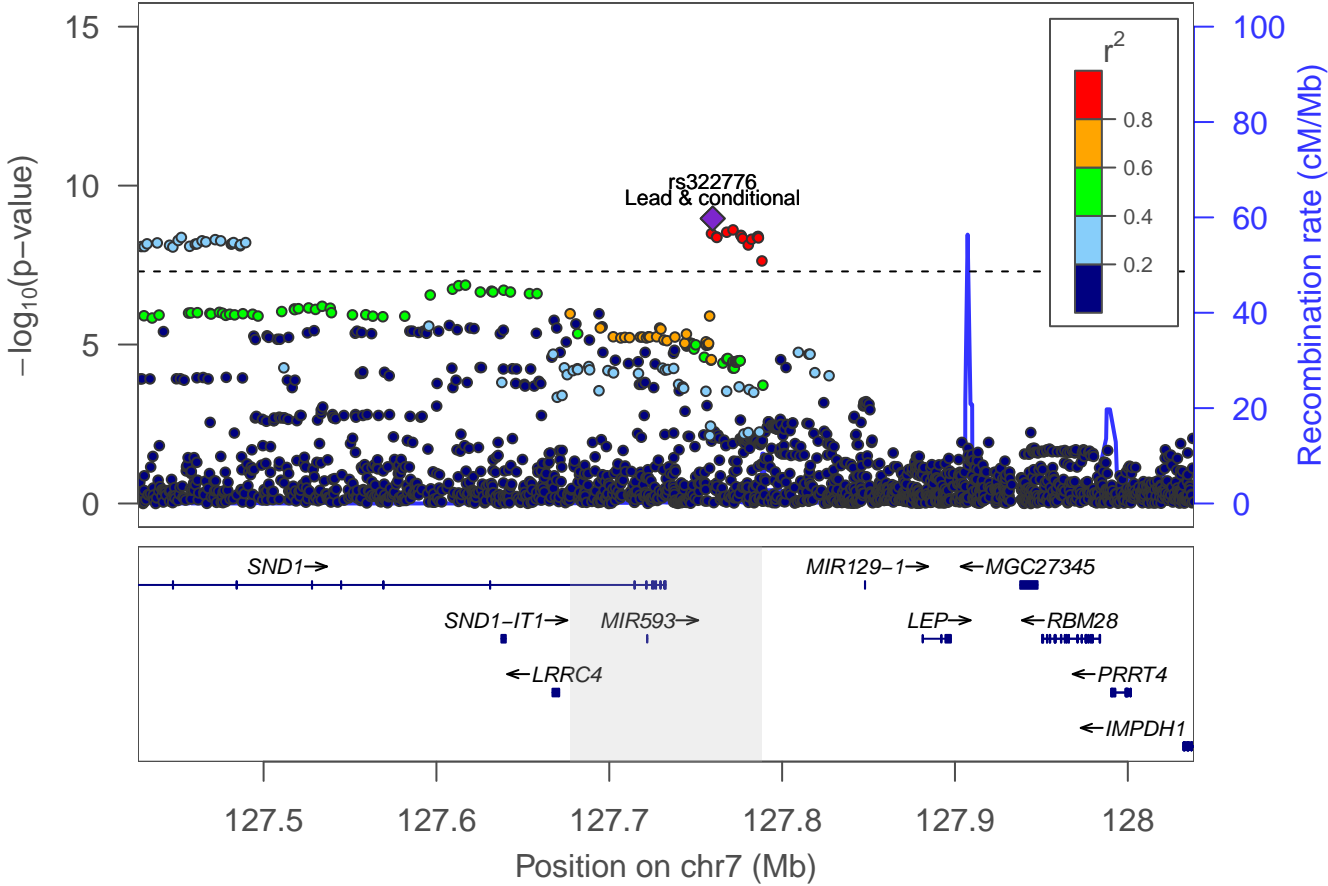
First PC risky behaviors: locus 50 [chr 7:3.526–3.623Mb]



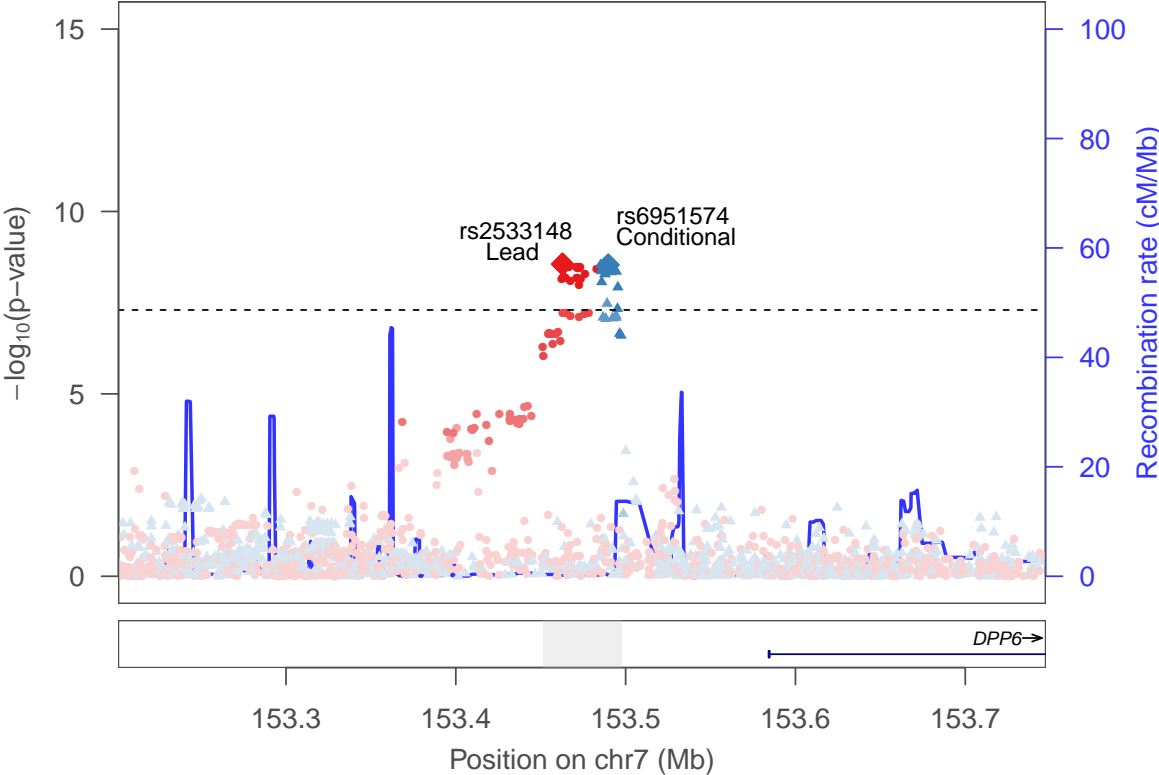
First PC risky behaviors: locus 51 [chr 7:114.963–115.113Mb]



First PC risky behaviors: locus 52 [chr 7:127.677–127.788Mb]



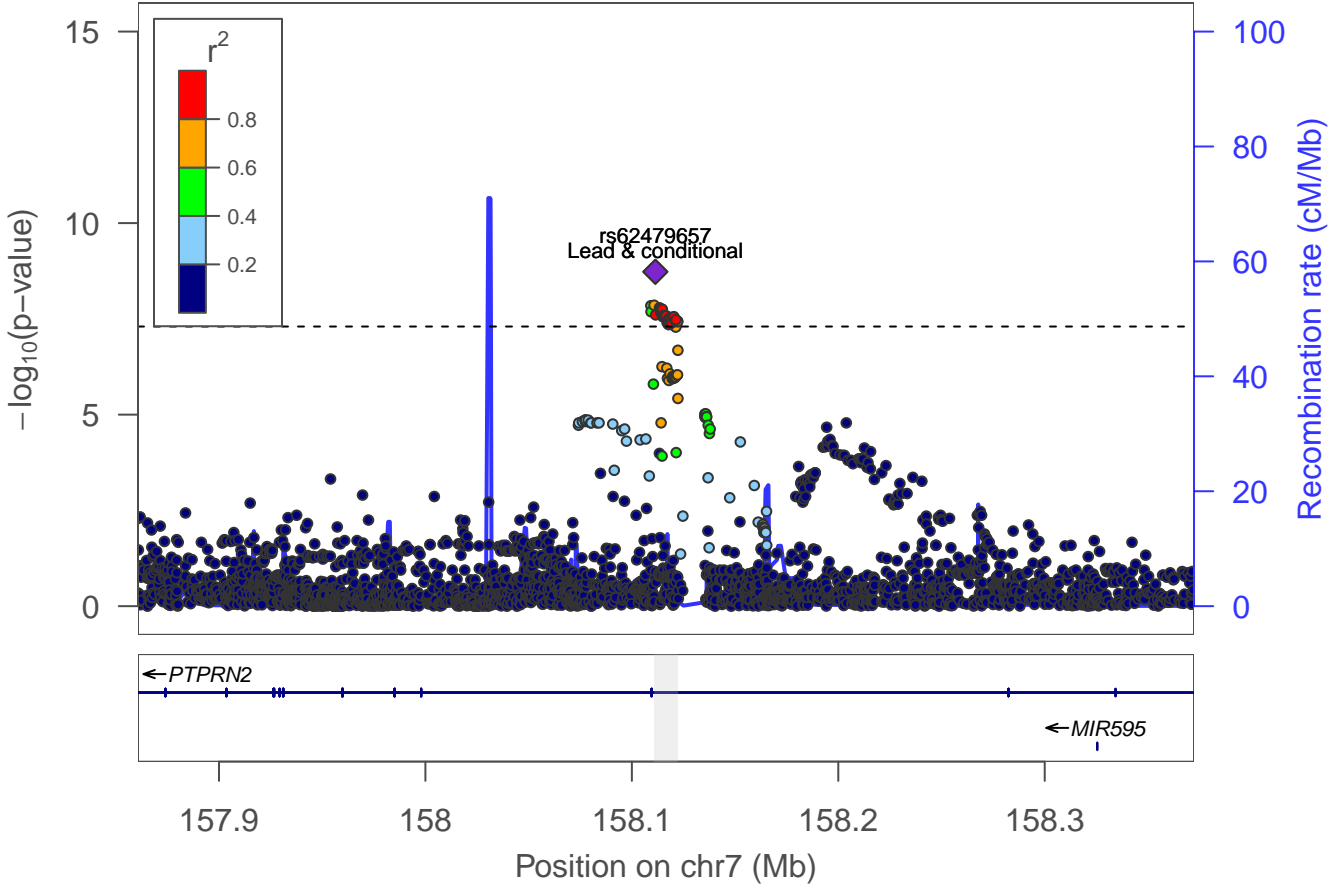
First PC risky behaviors: Locus 53 [chr 7: 153.451–153.497Mb]



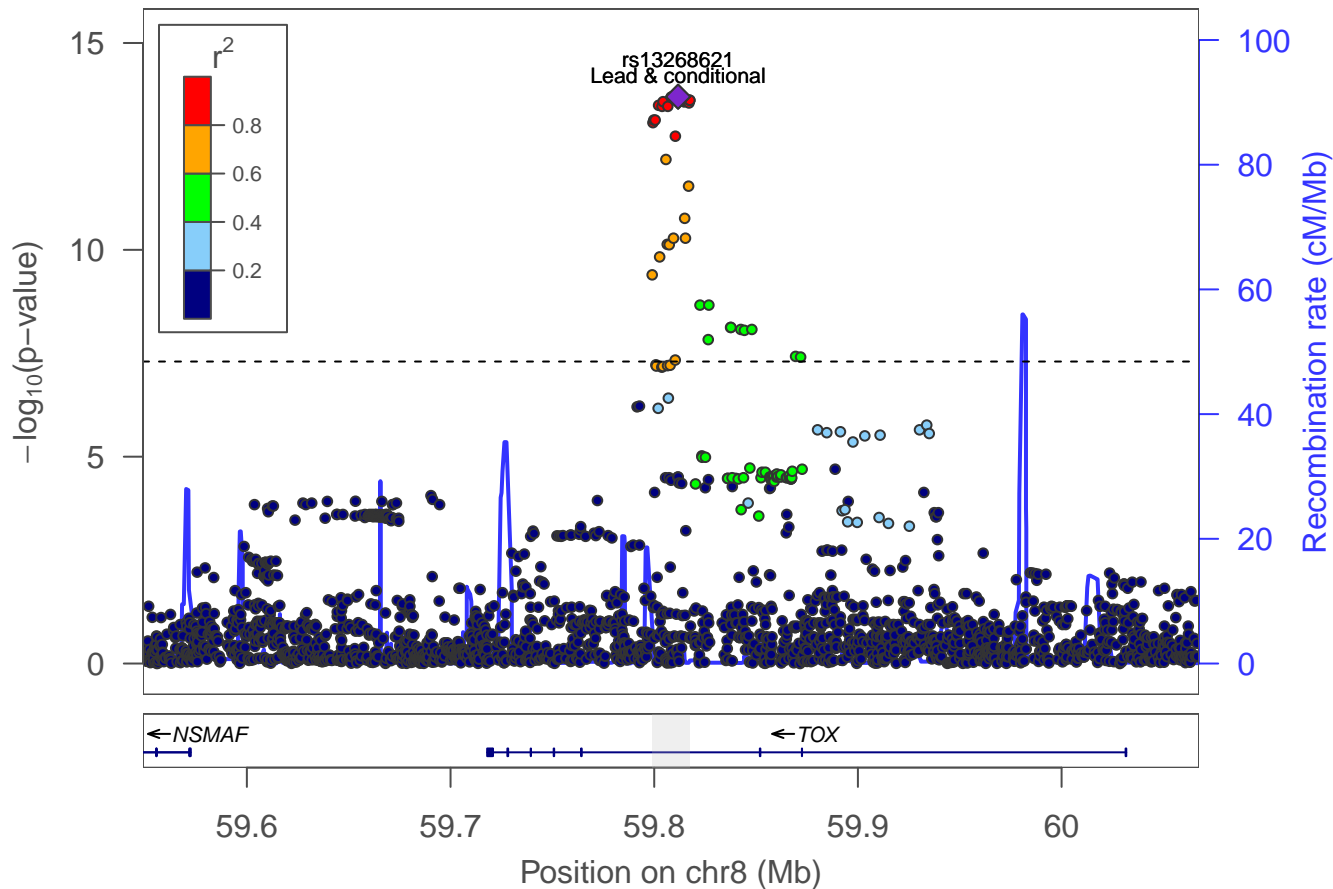
rs6951574 ▲
rs2533148 ●



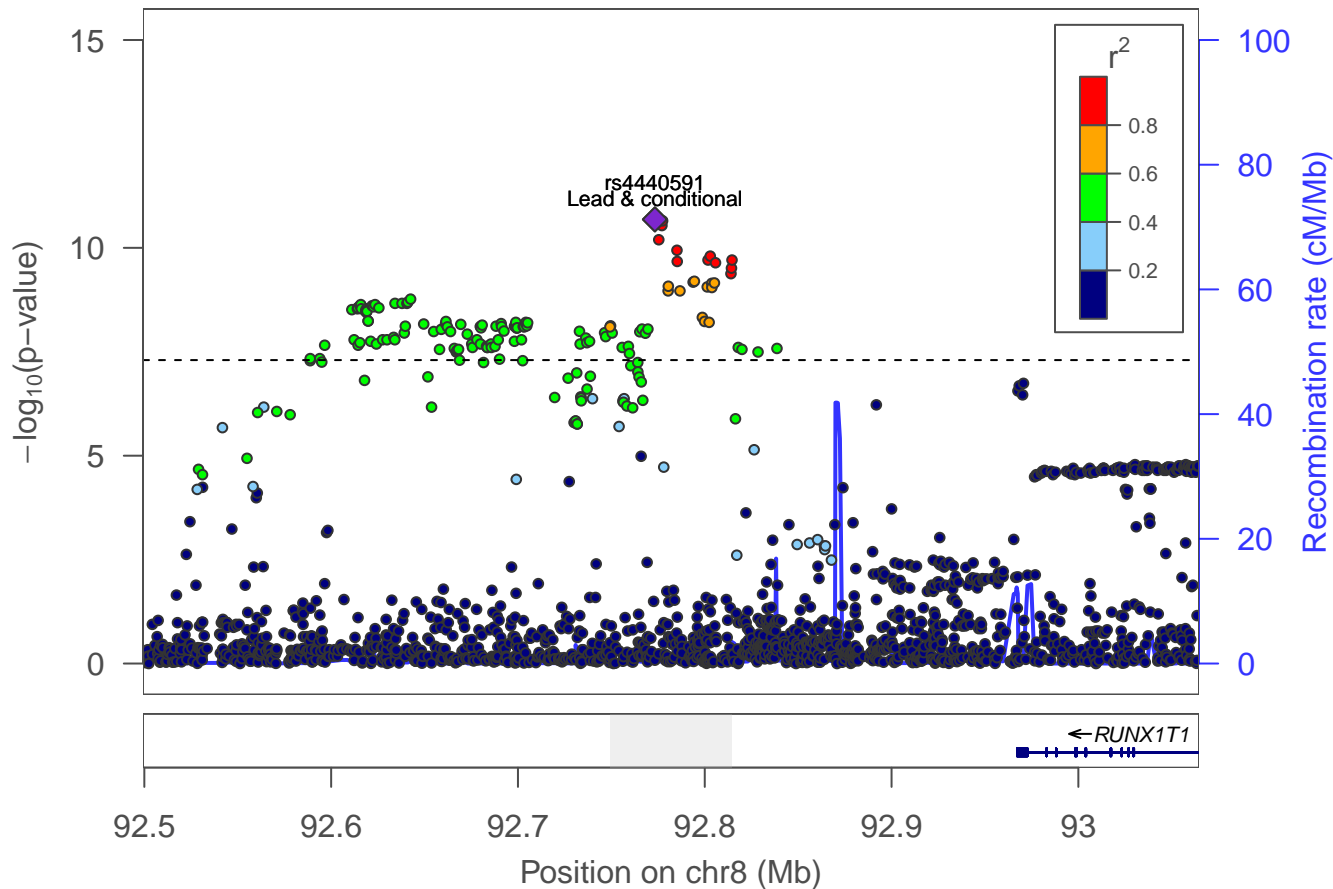
First PC risky behaviors: locus 54 [chr 7:158.111–158.122Mb]



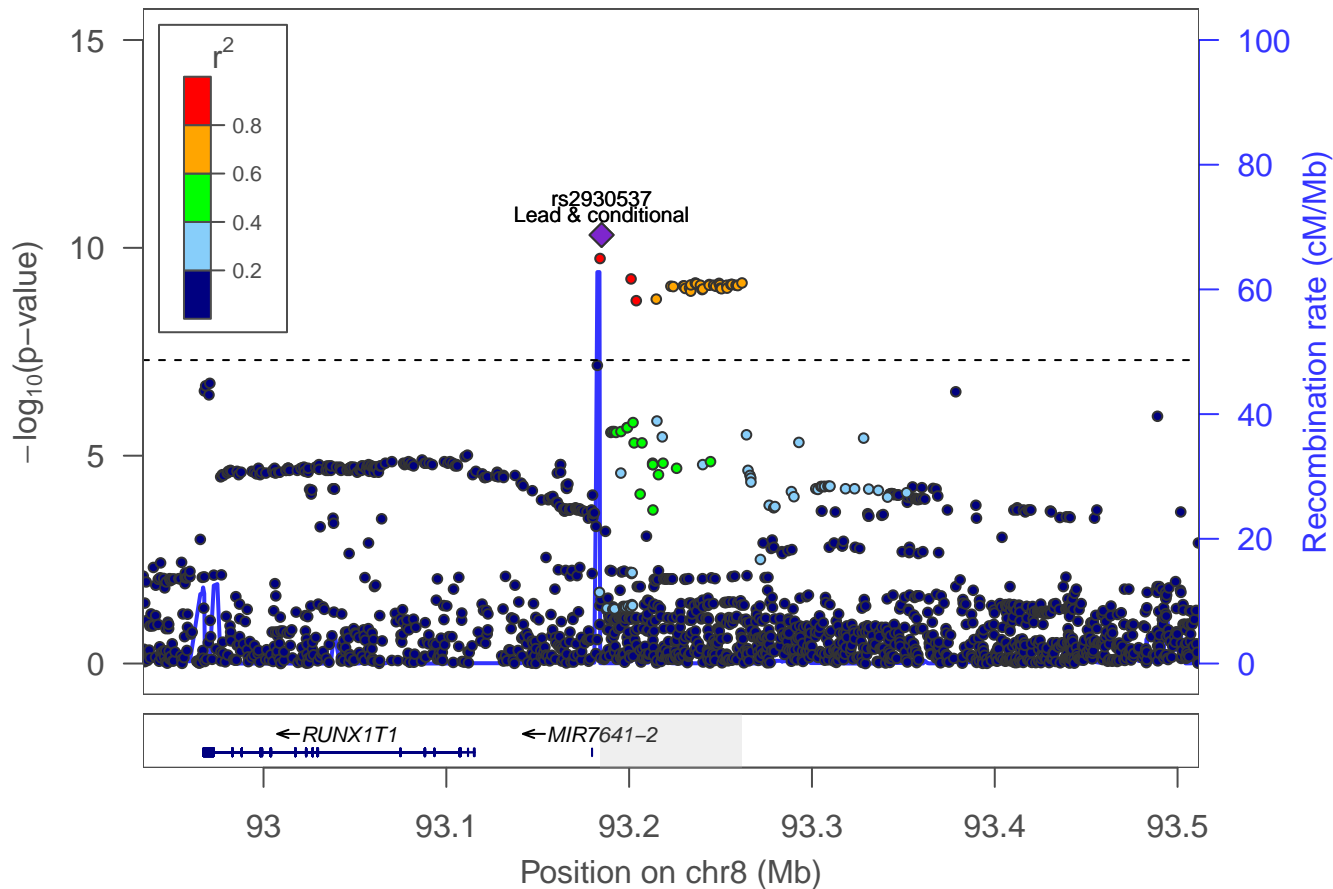
First PC risky behaviors: locus 55 [chr 8:59.799–59.817Mb]



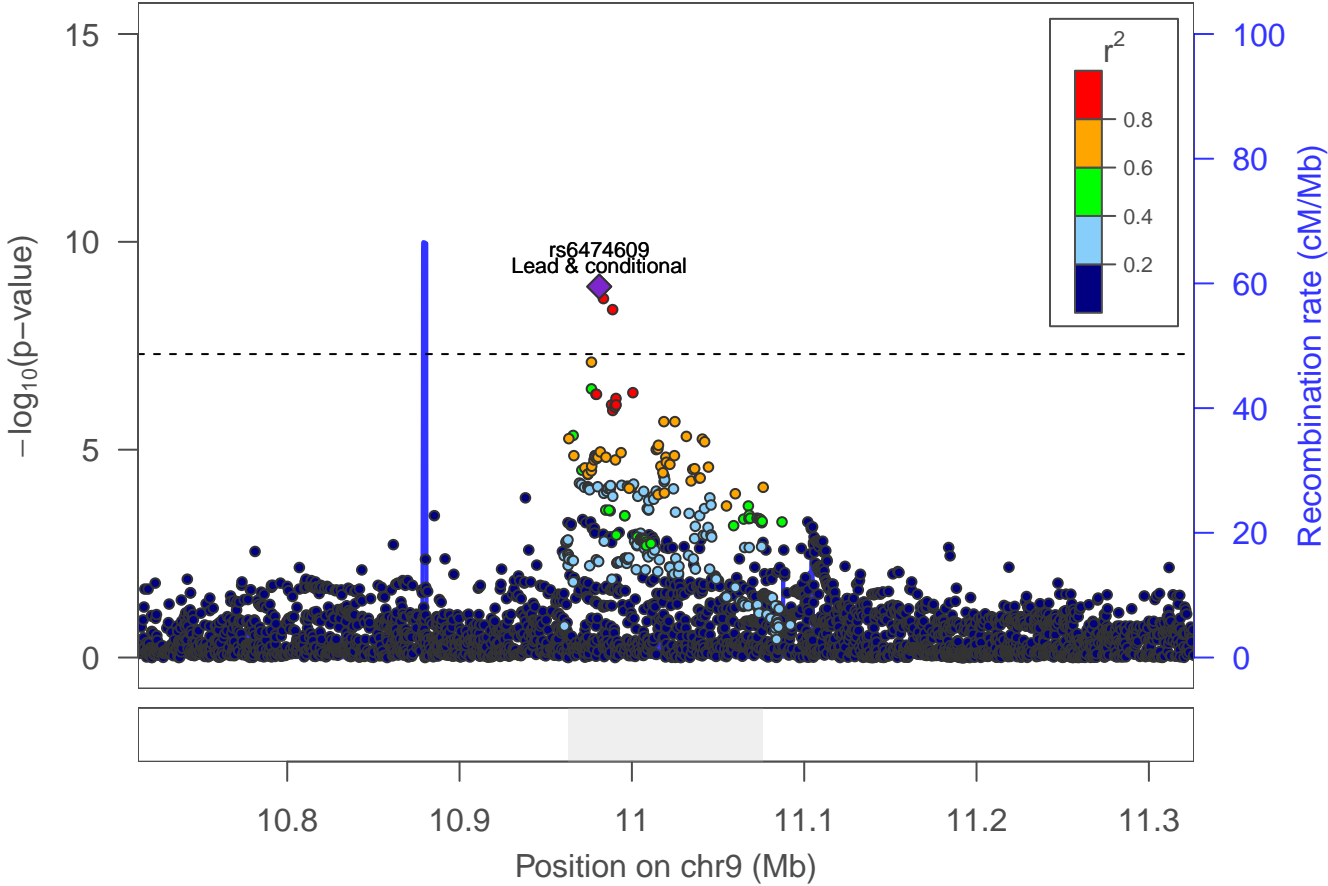
First PC risky behaviors: locus 56 [chr 8:92.749–92.815Mb]



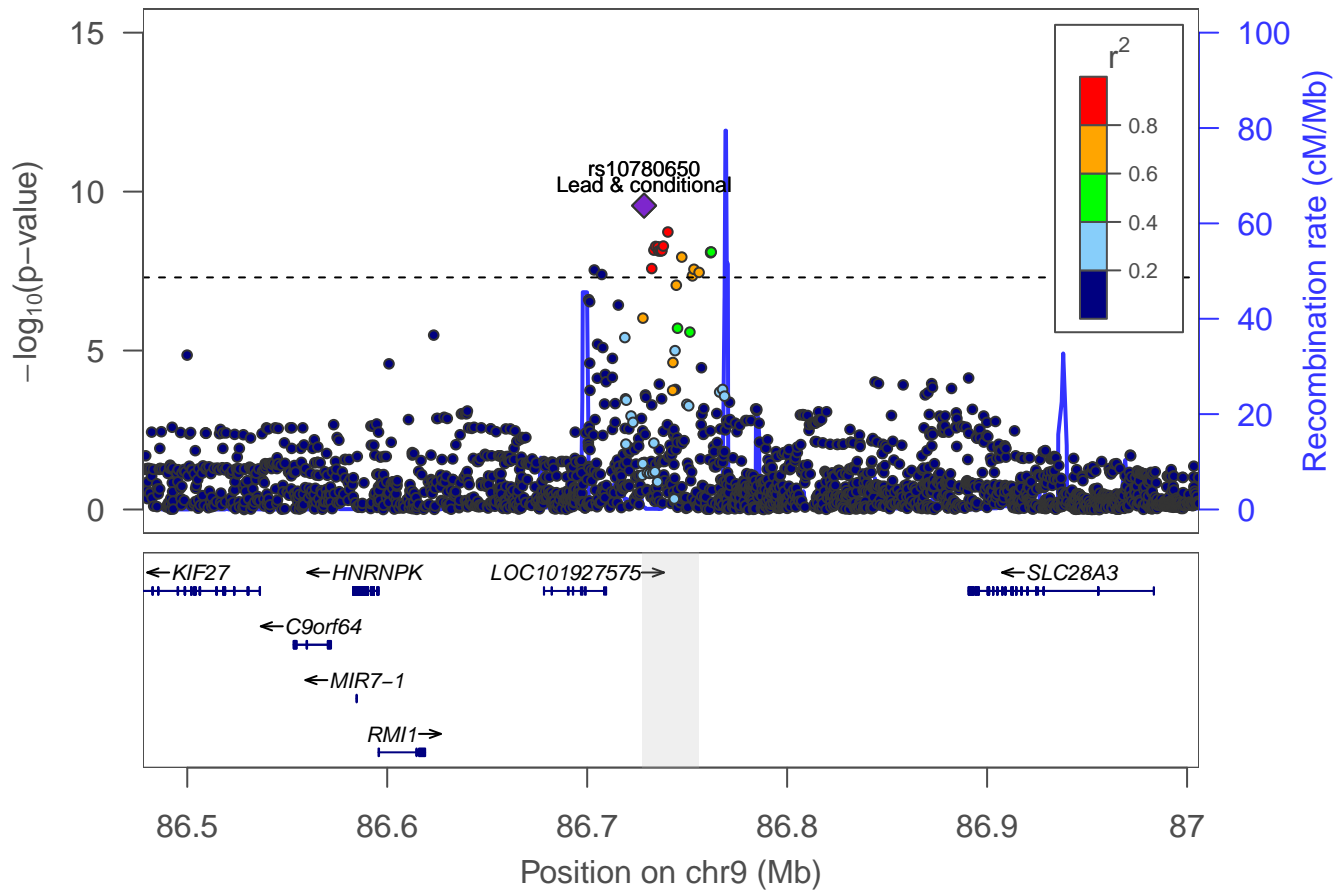
First PC risky behaviors: locus 57 [chr 8:93.184–93.262Mb]



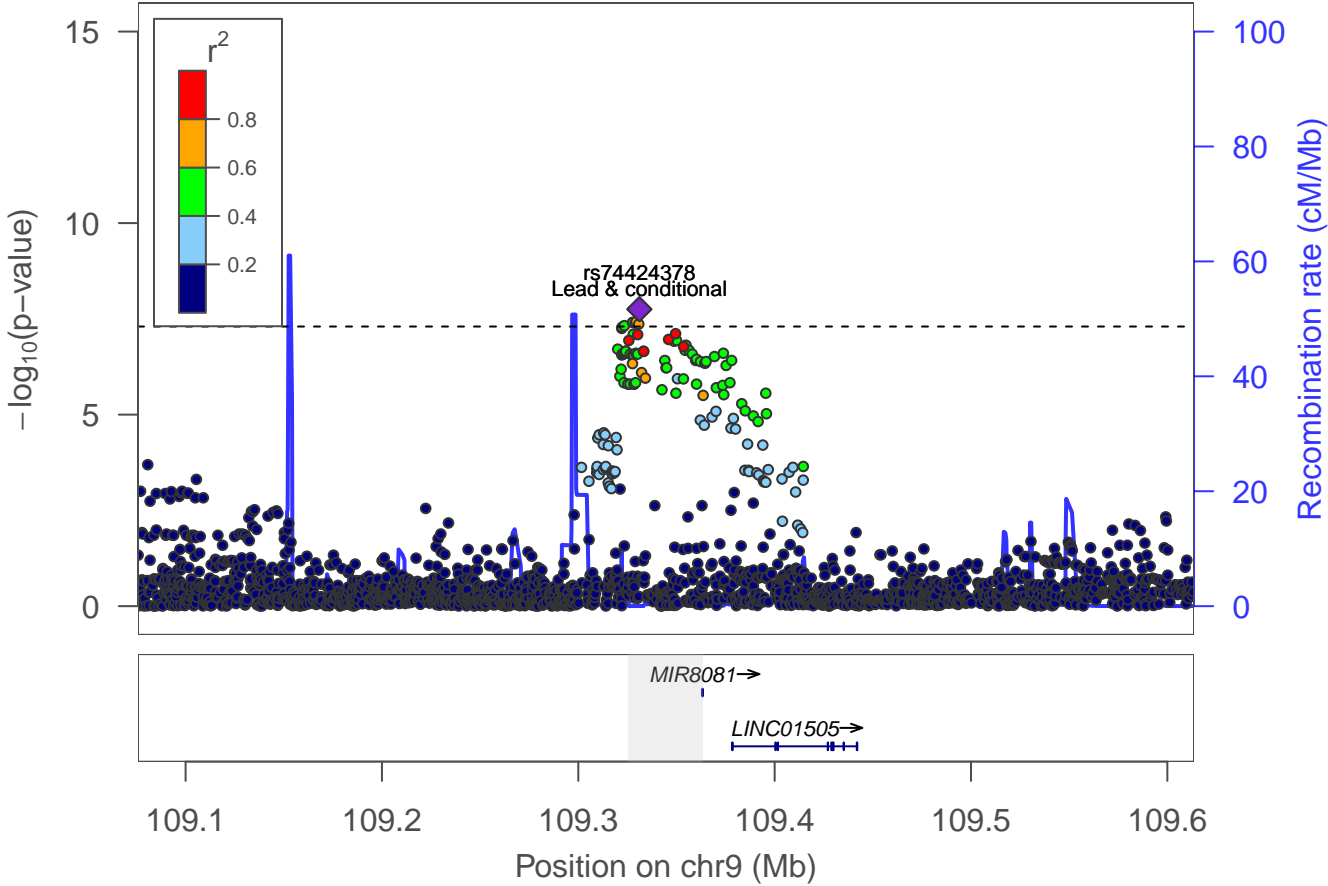
First PC risky behaviors: locus 58 [chr 9:10.963–11.076Mb]



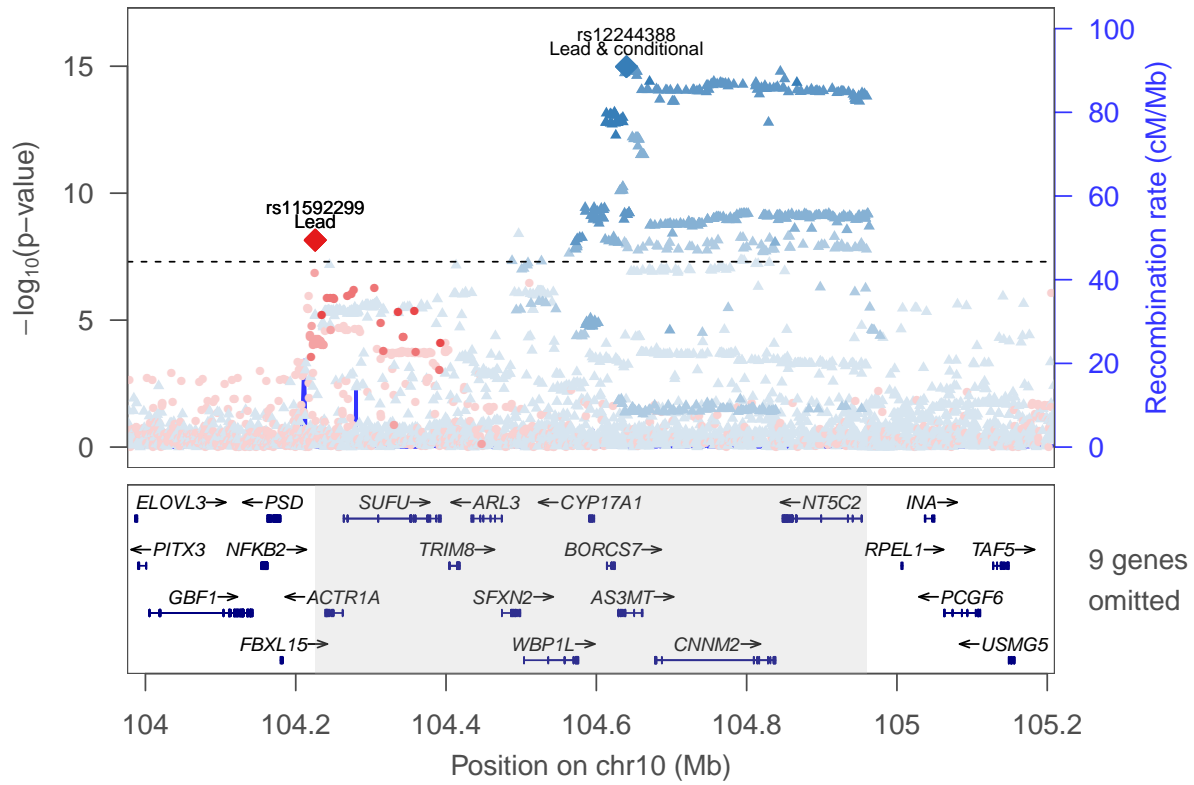
First PC risky behaviors: locus 59 [chr 9:86.728–86.756Mb]



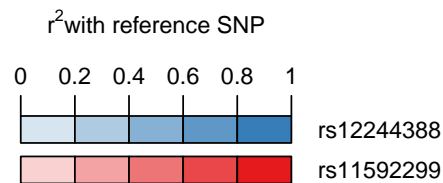
First PC risky behaviors: locus 60 [chr 9:109.326–109.364Mb]



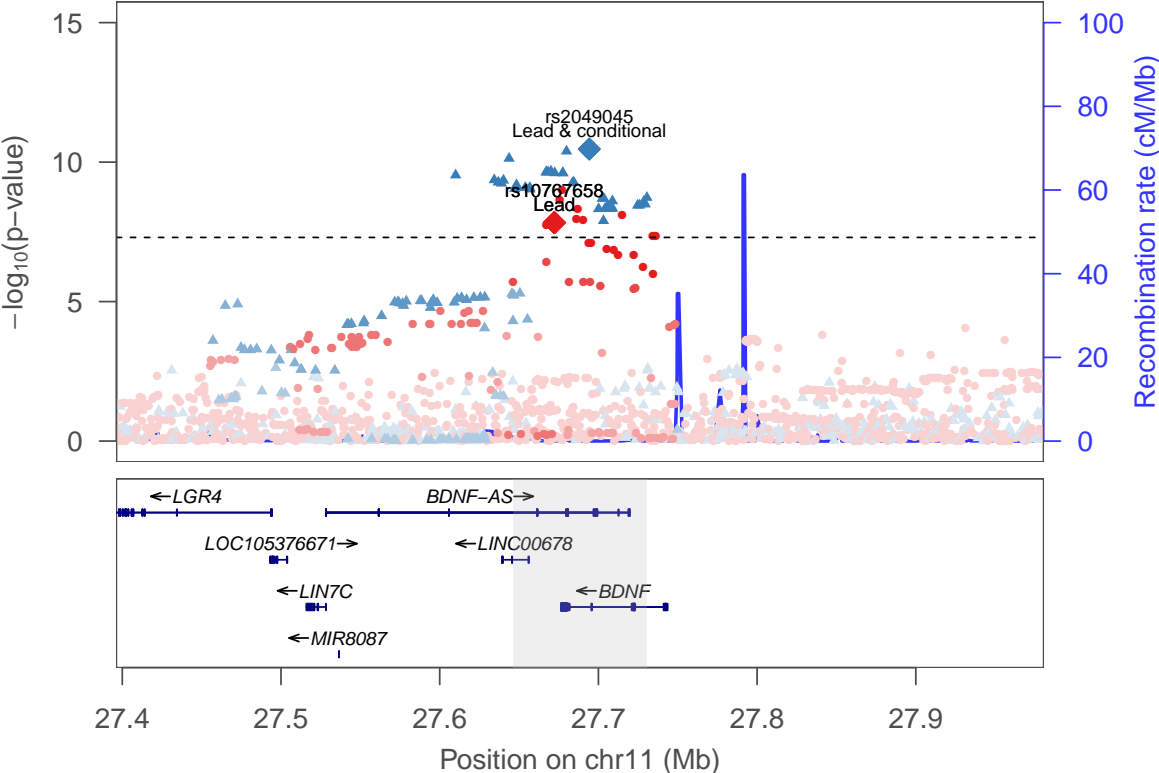
First PC risky behaviors: Locus 61 [chr 10: 104.226–104.960Mb]



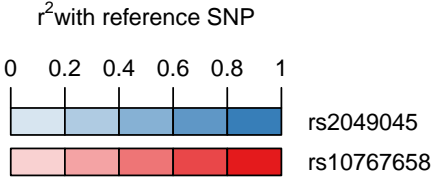
rs12244388 ▲
 rs11592299 ●



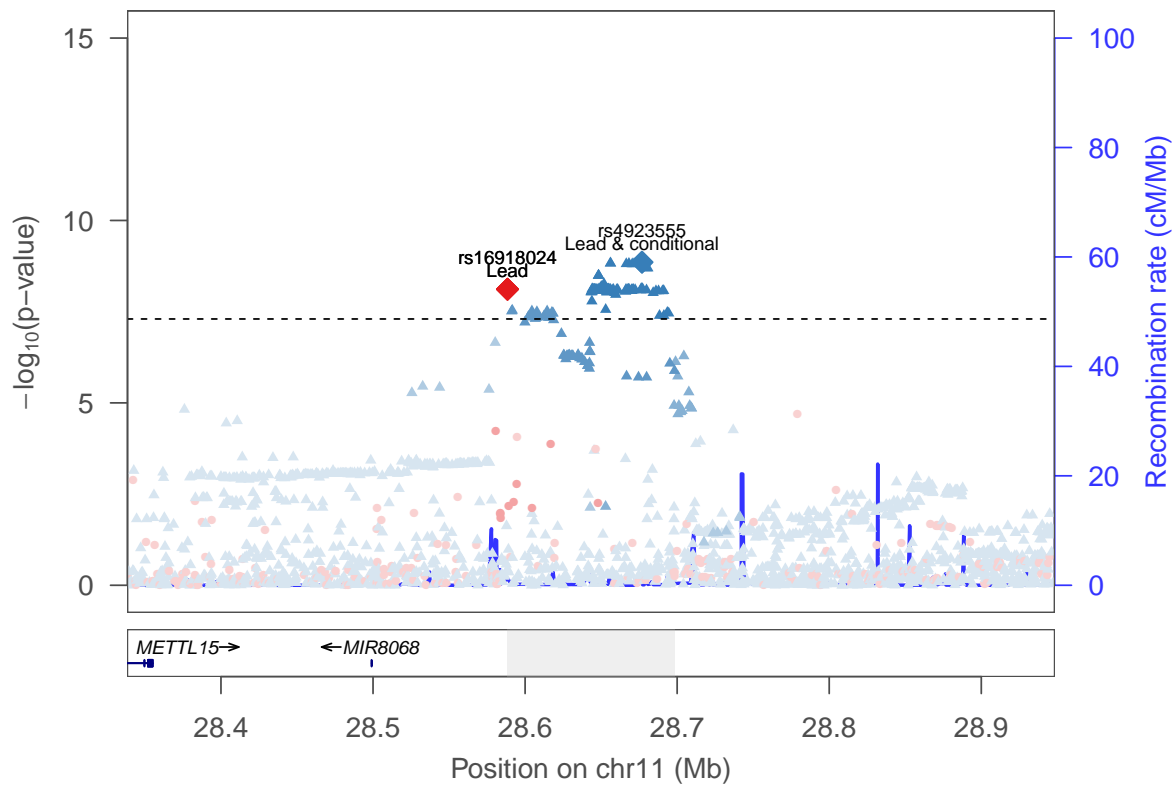
First PC risky behaviors: Locus 62 [chr 11: 27.646–27.731Mb]



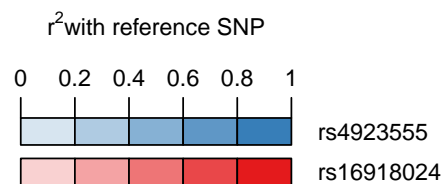
rs2049045 ▲
 rs10767658 ●



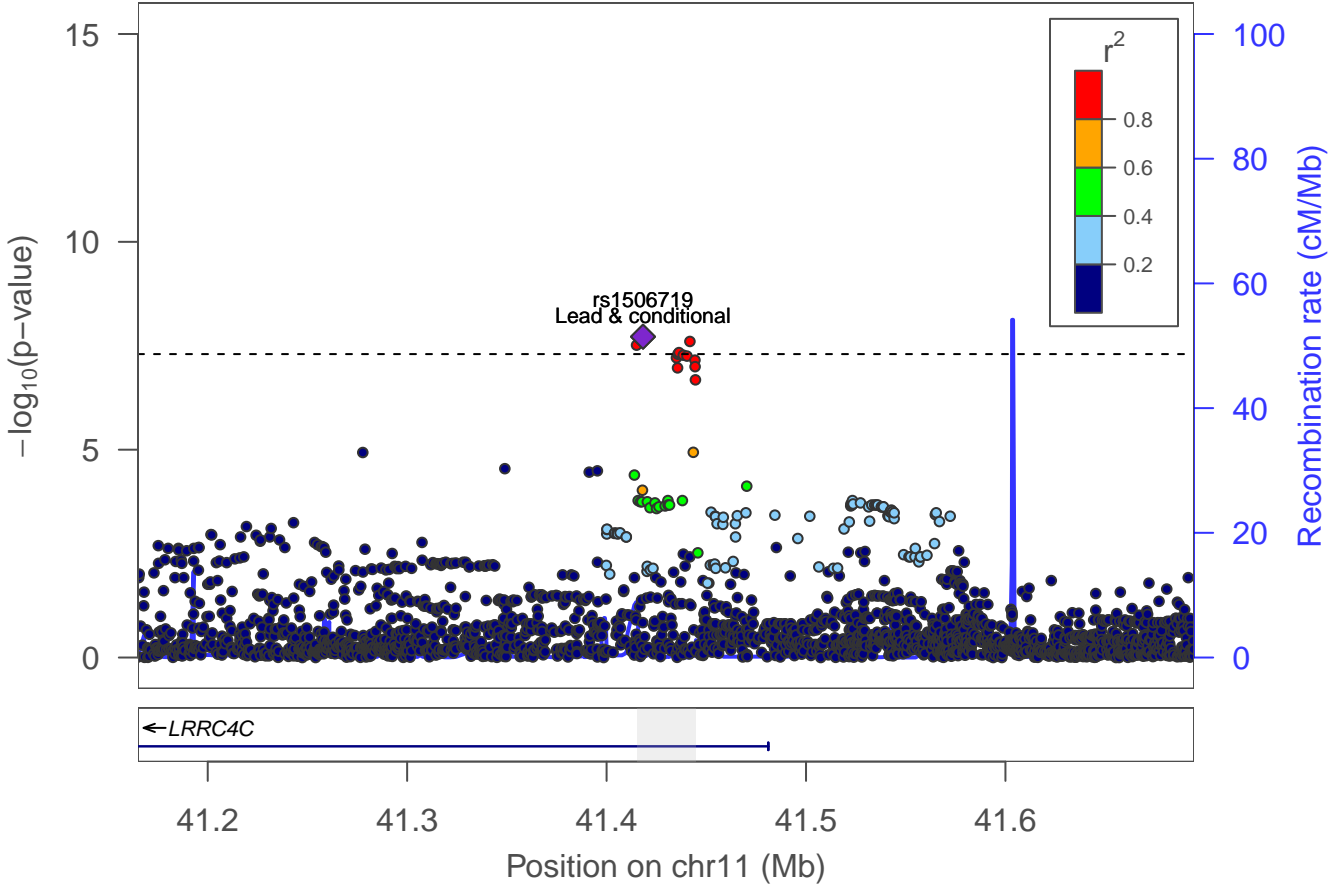
First PC risky behaviors: Locus 63 [chr 11: 28.588–28.698Mb]



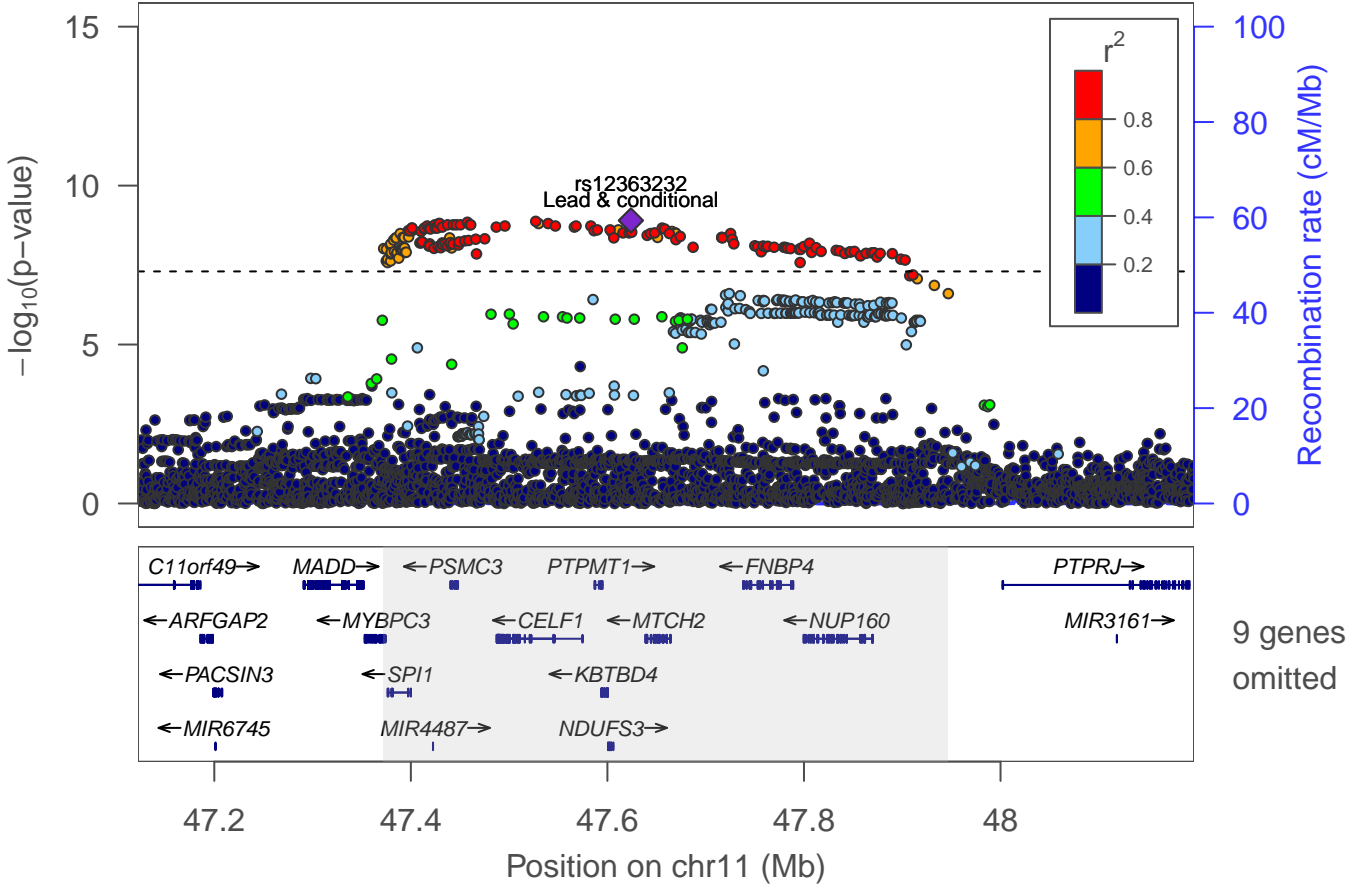
rs4923555 ▲
rs16918024 ●



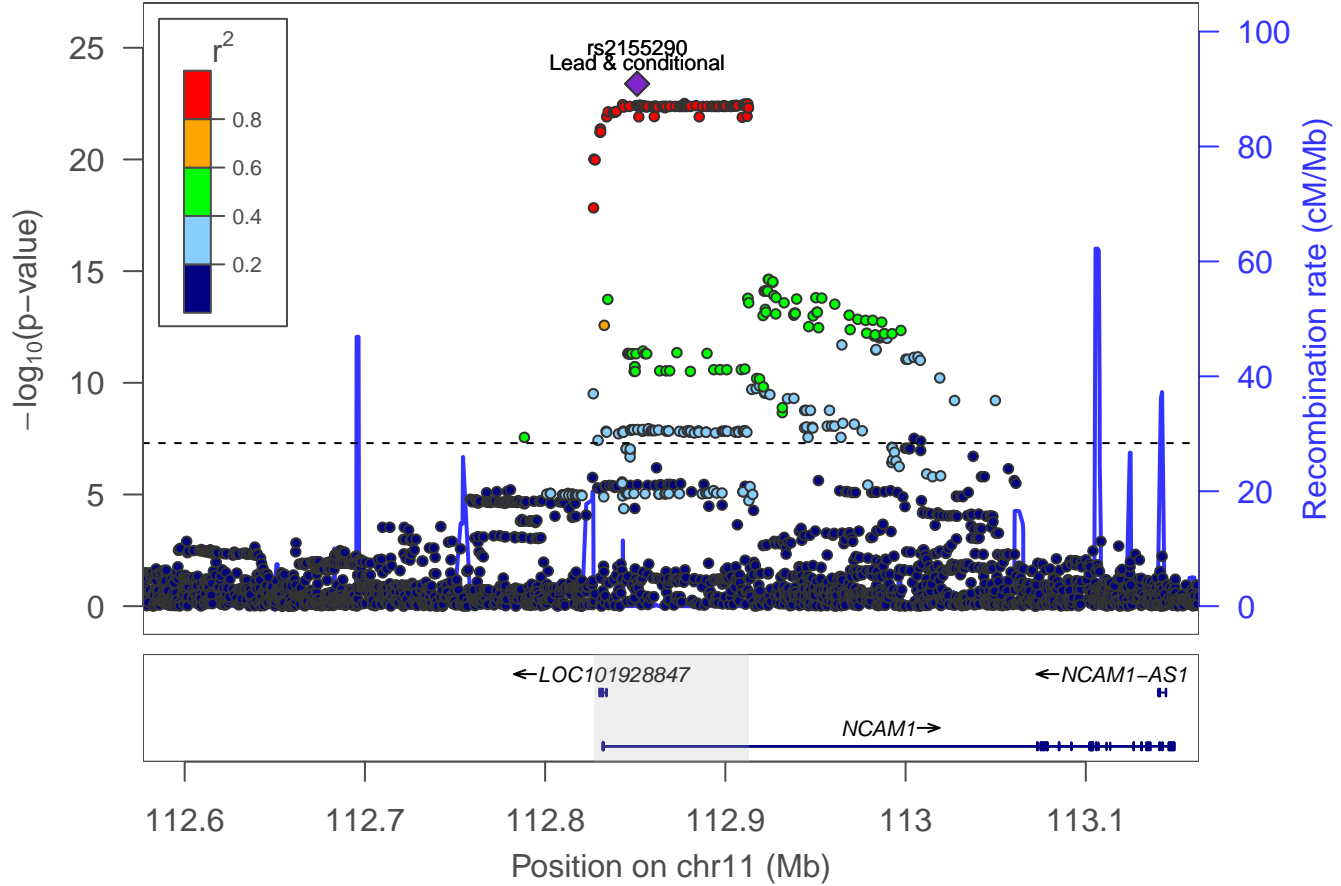
First PC risky behaviors: locus 64 [chr 11:41.415–41.445Mb]



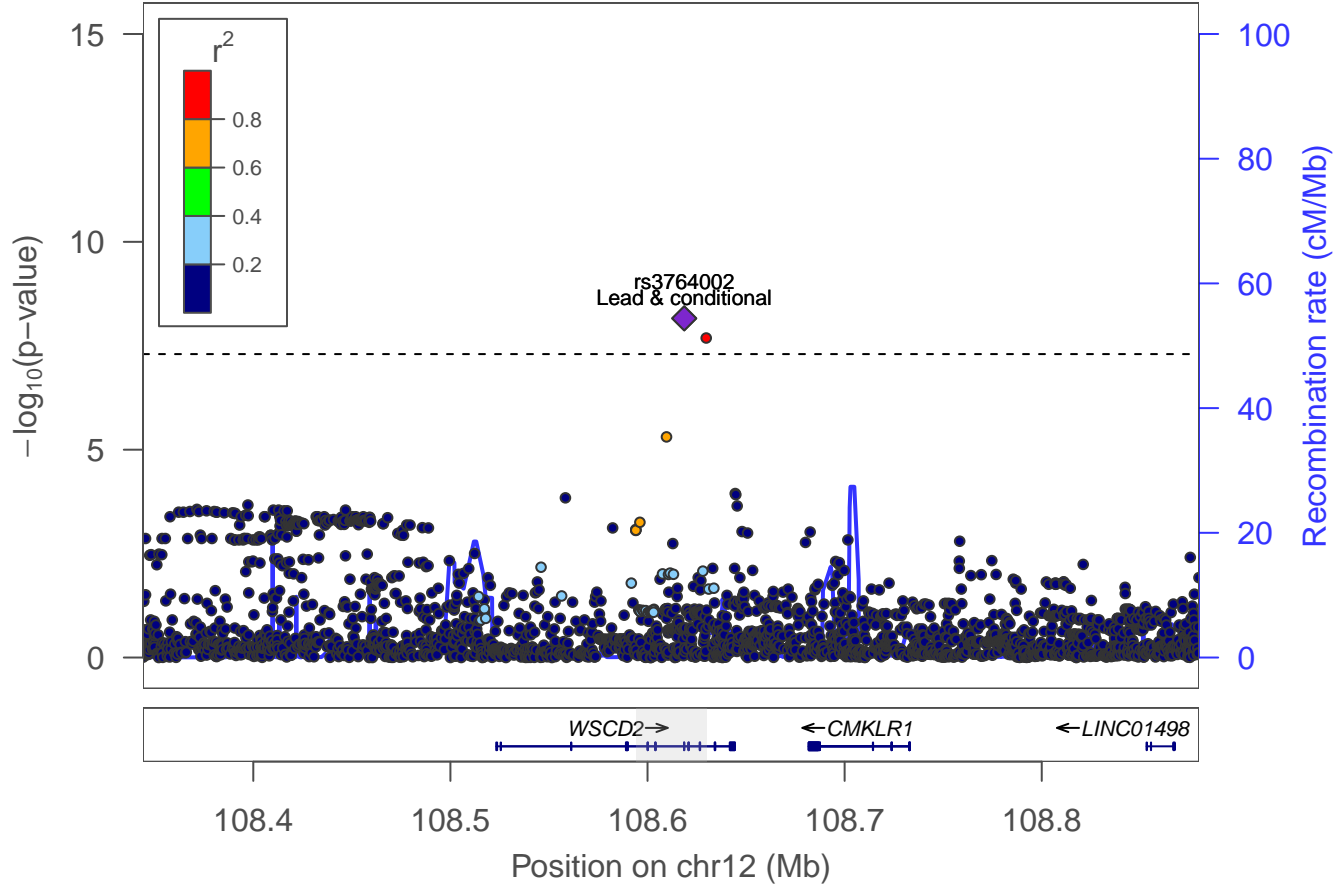
First PC risky behaviors: locus 65 [chr 11:47.372–47.947Mb]



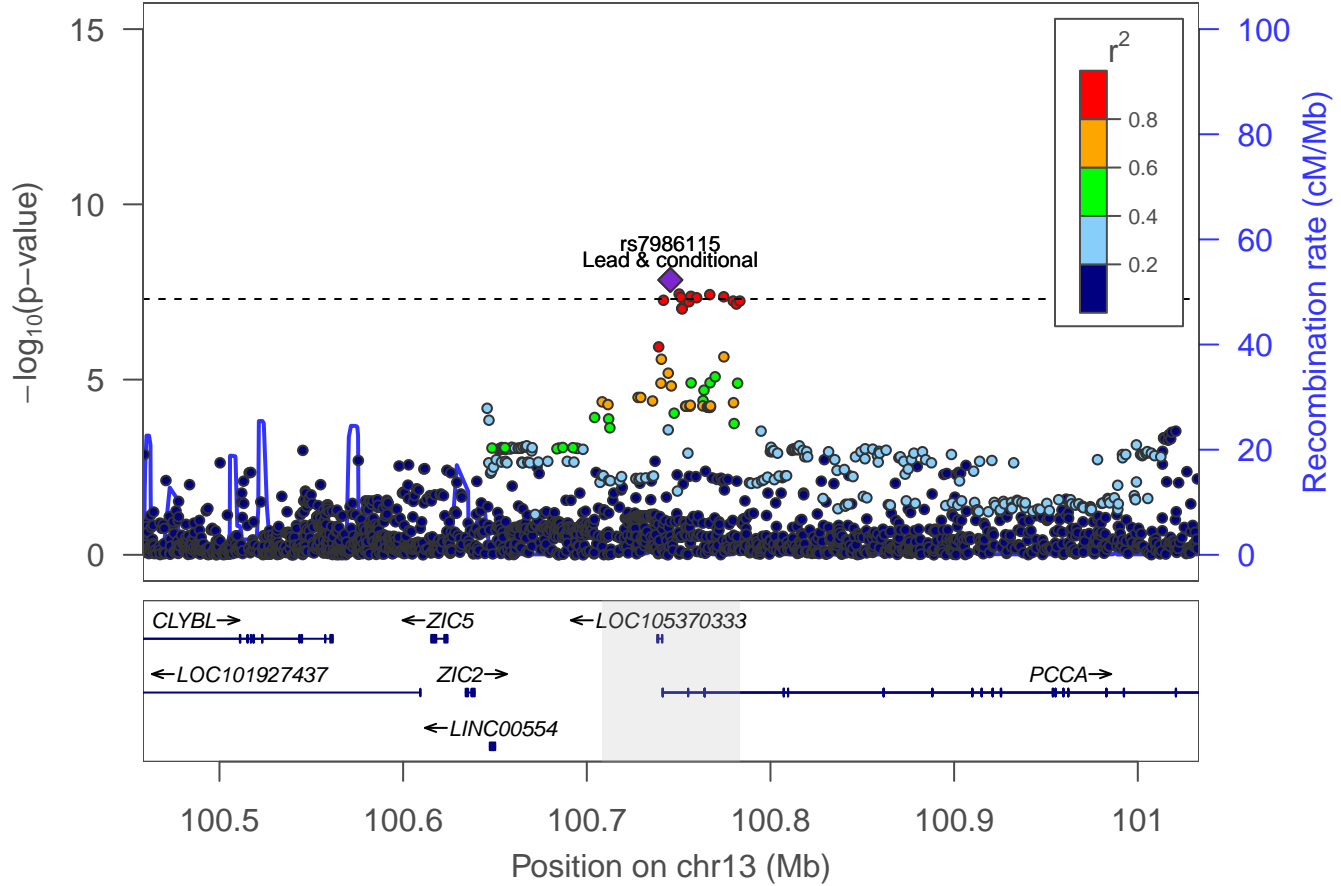
First PC risky behaviors: locus 66 [chr 11:112.827–112.913Mb]



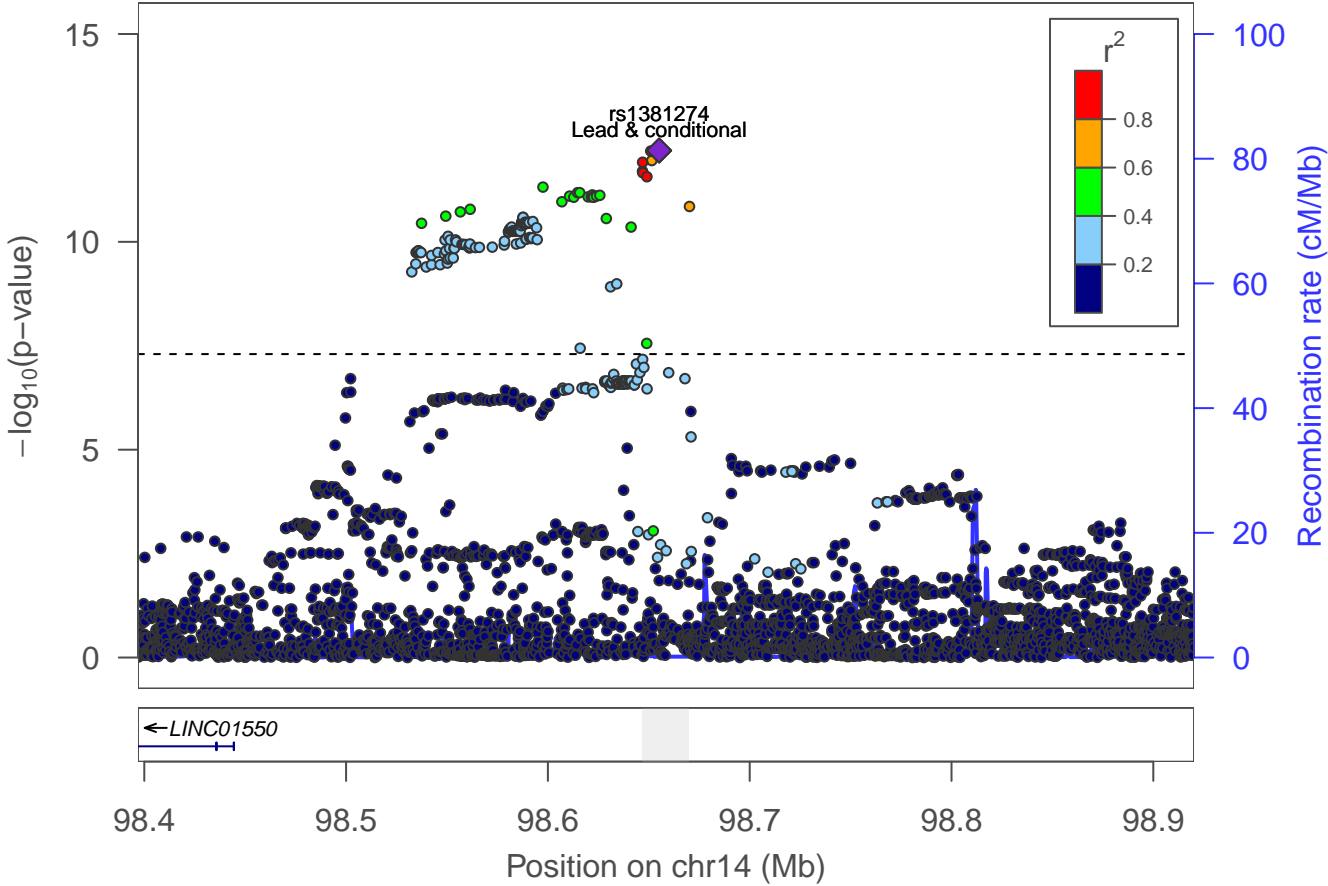
First PC risky behaviors: locus 67 [chr 12:108.594–108.630Mb]



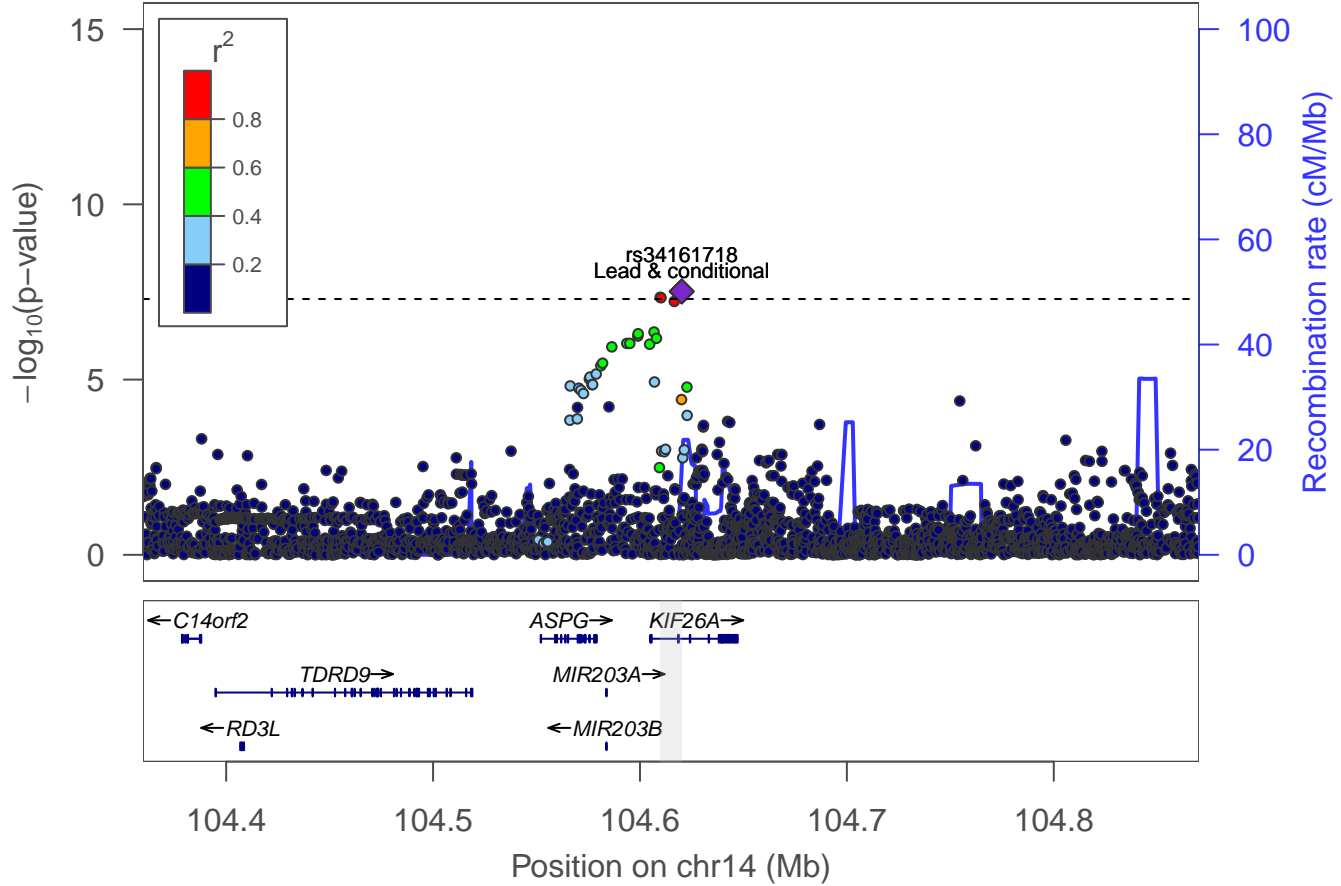
First PC risky behaviors: locus 68 [chr 13:100.708–100.783Mb]



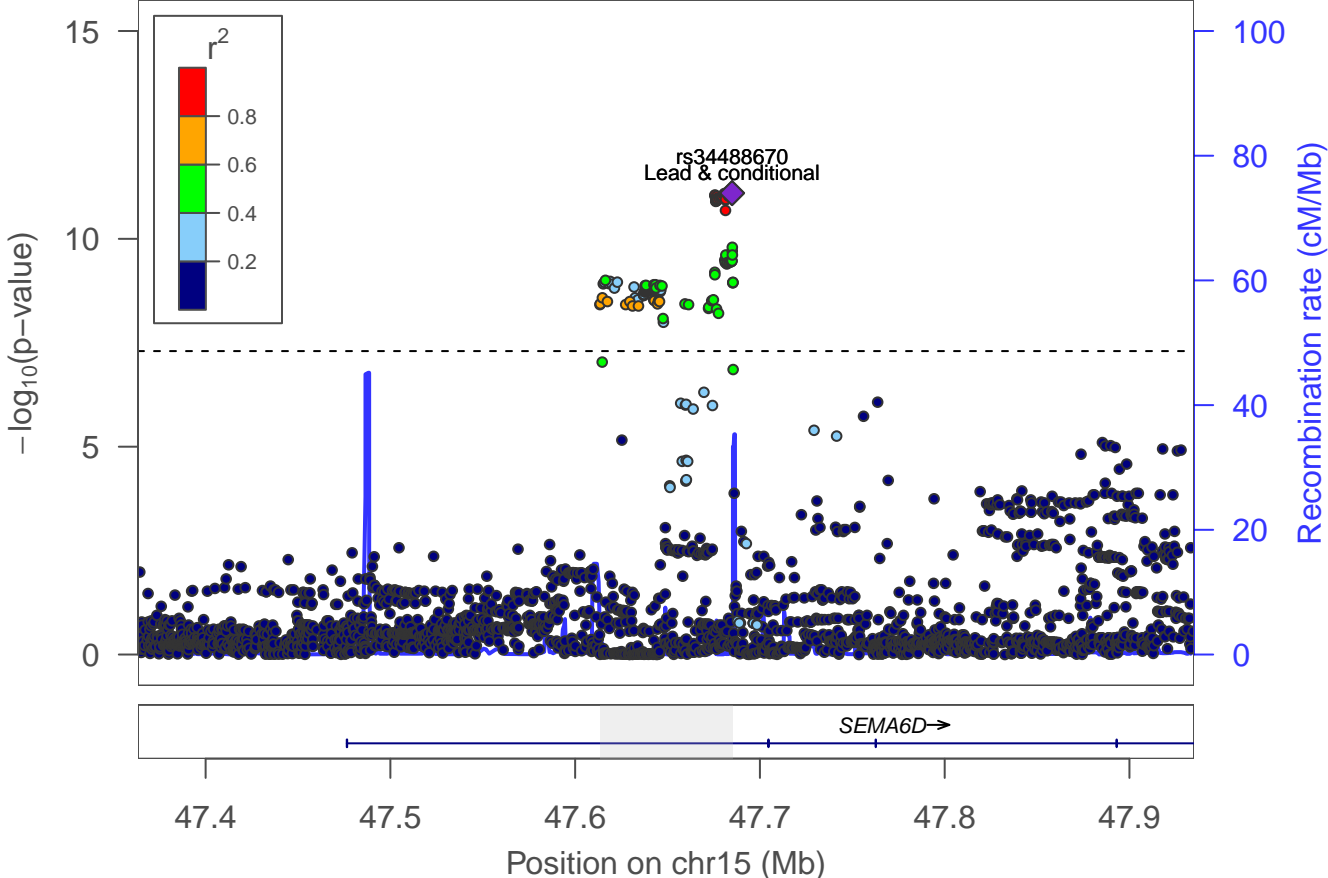
First PC risky behaviors: locus 69 [chr 14:98.647–98.670Mb]



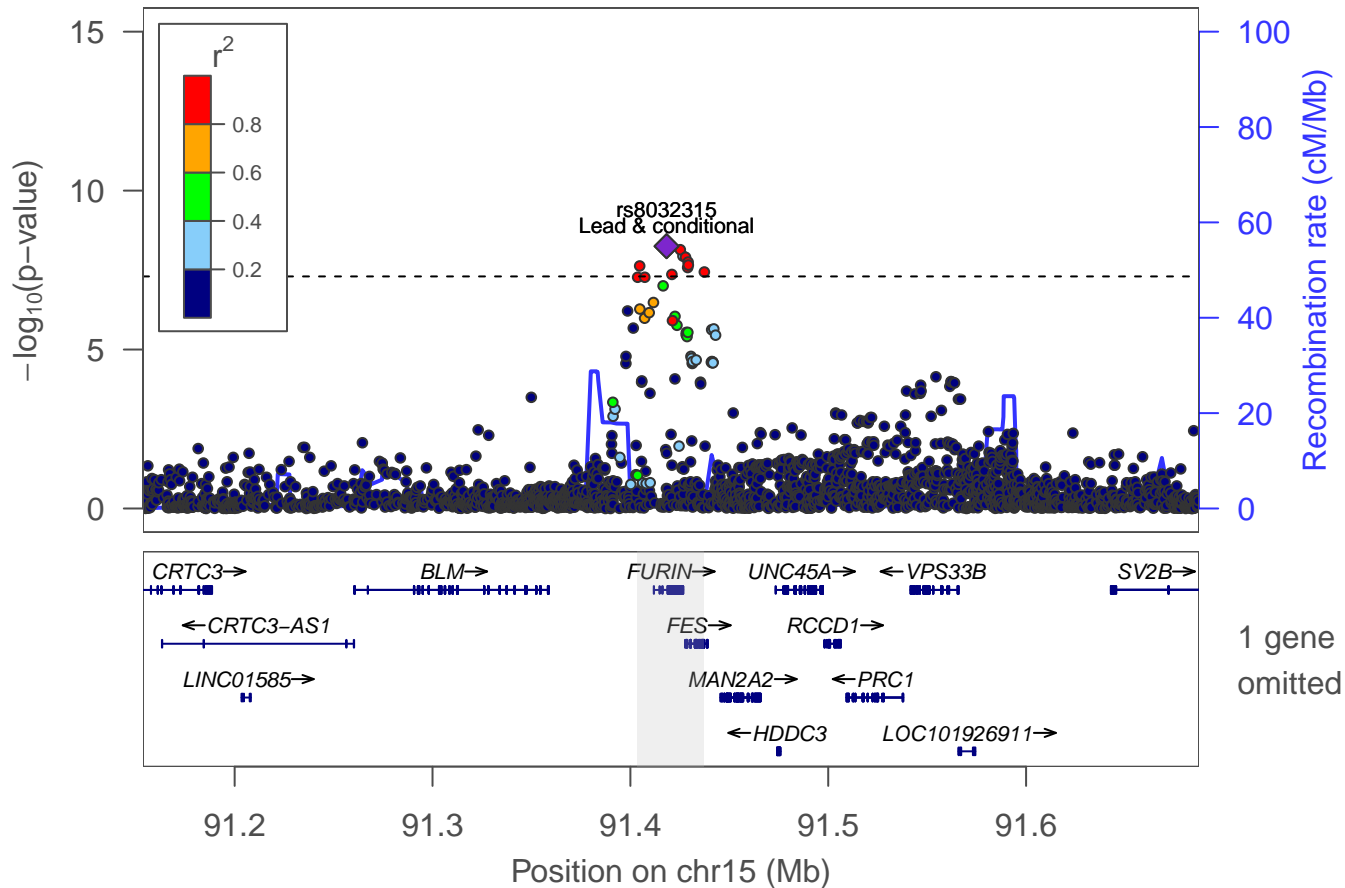
First PC risky behaviors: locus 70 [chr 14:104.610–104.620Mb]



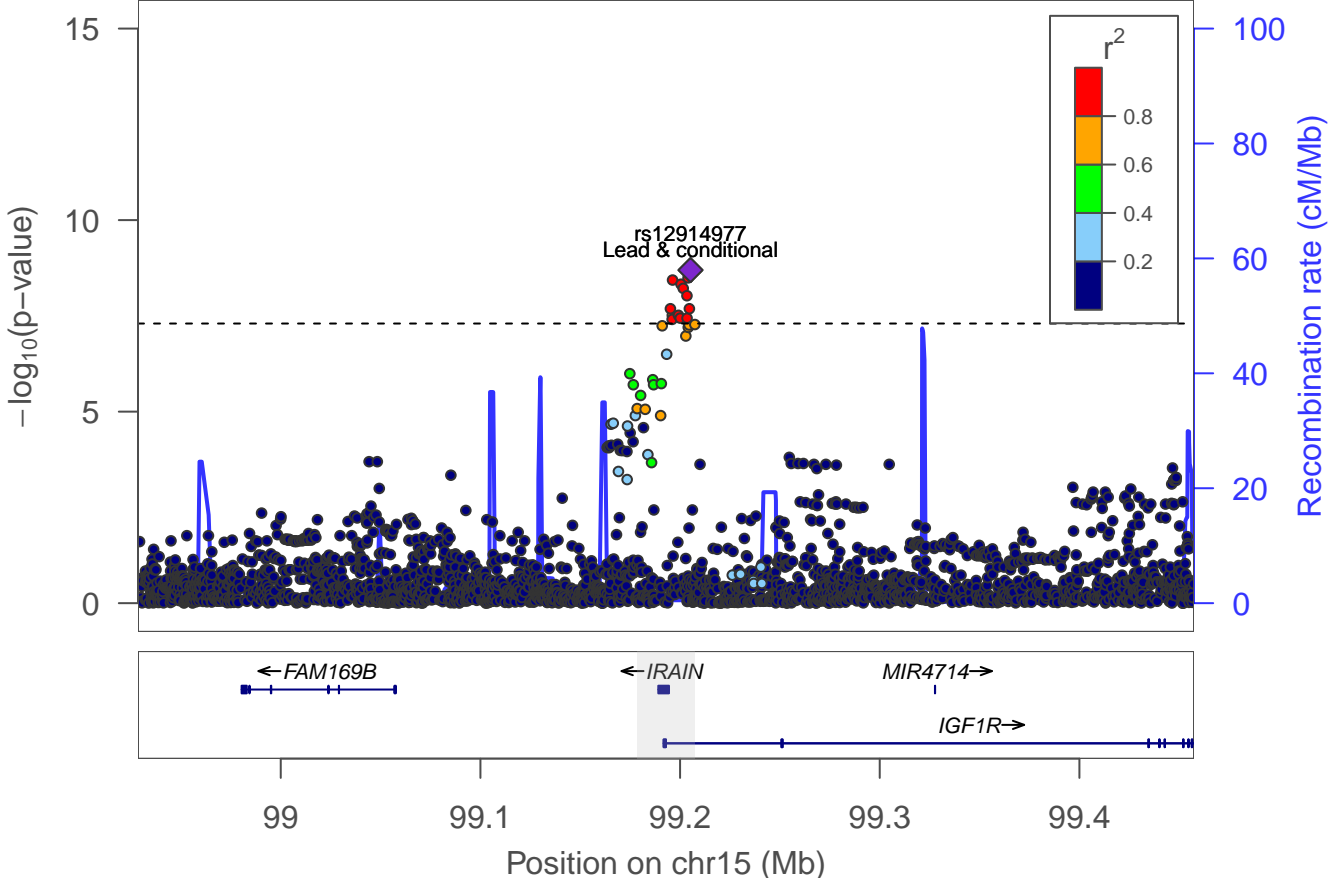
First PC risky behaviors: locus 71 [chr 15:47.613–47.685Mb]



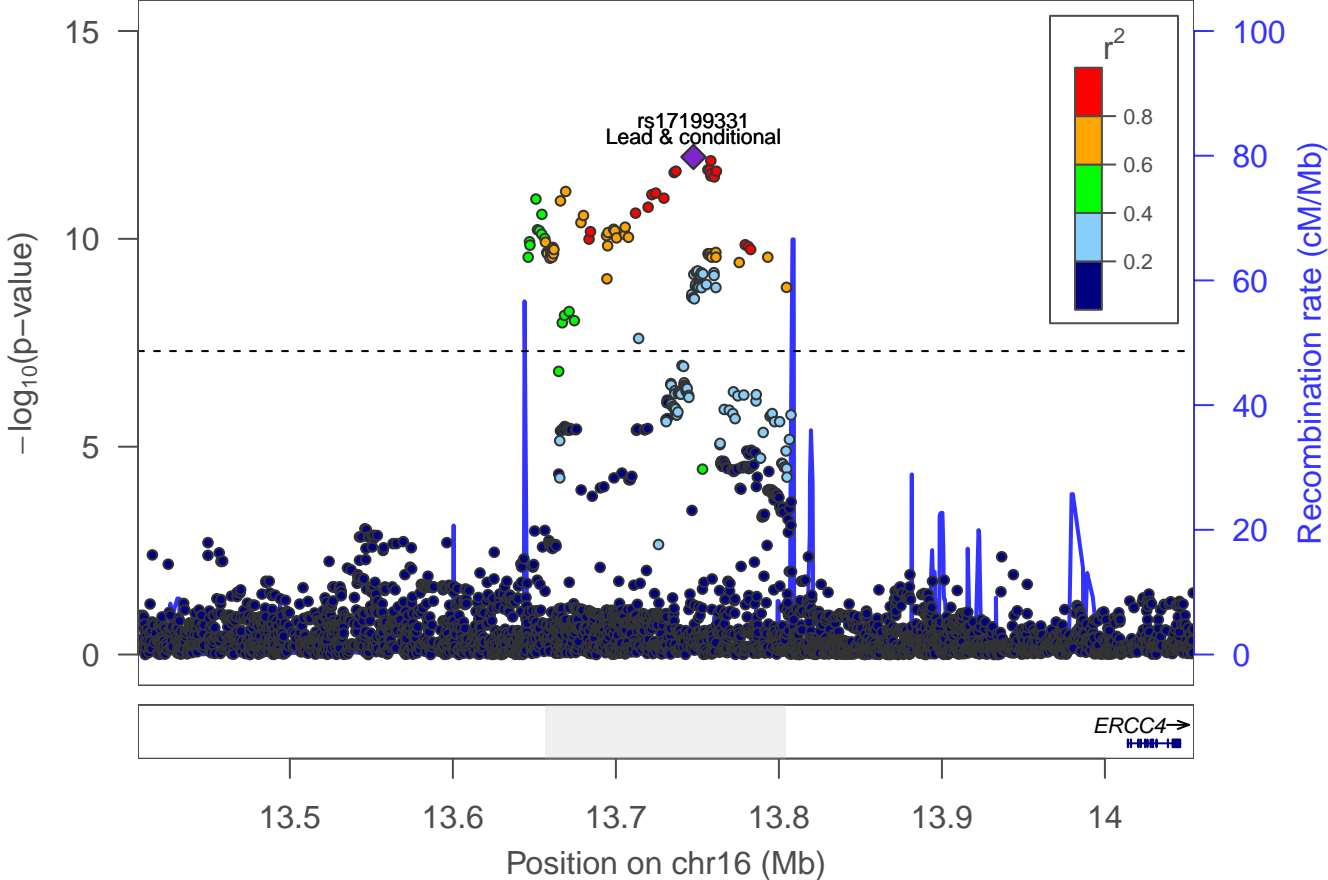
First PC risky behaviors: locus 72 [chr 15:91.404–91.437Mb]



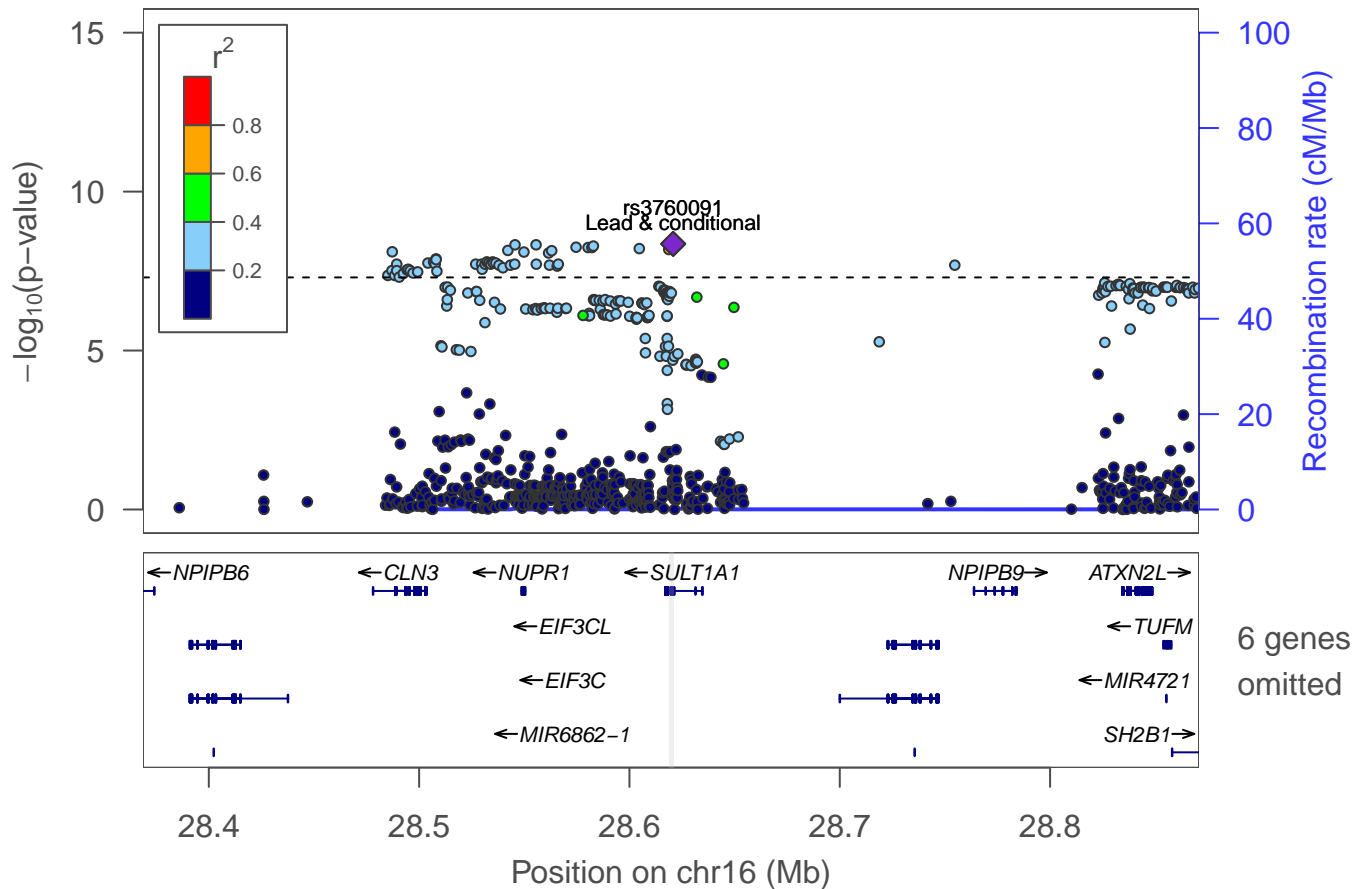
First PC risky behaviors: locus 73 [chr 15:99.179–99.207Mb]



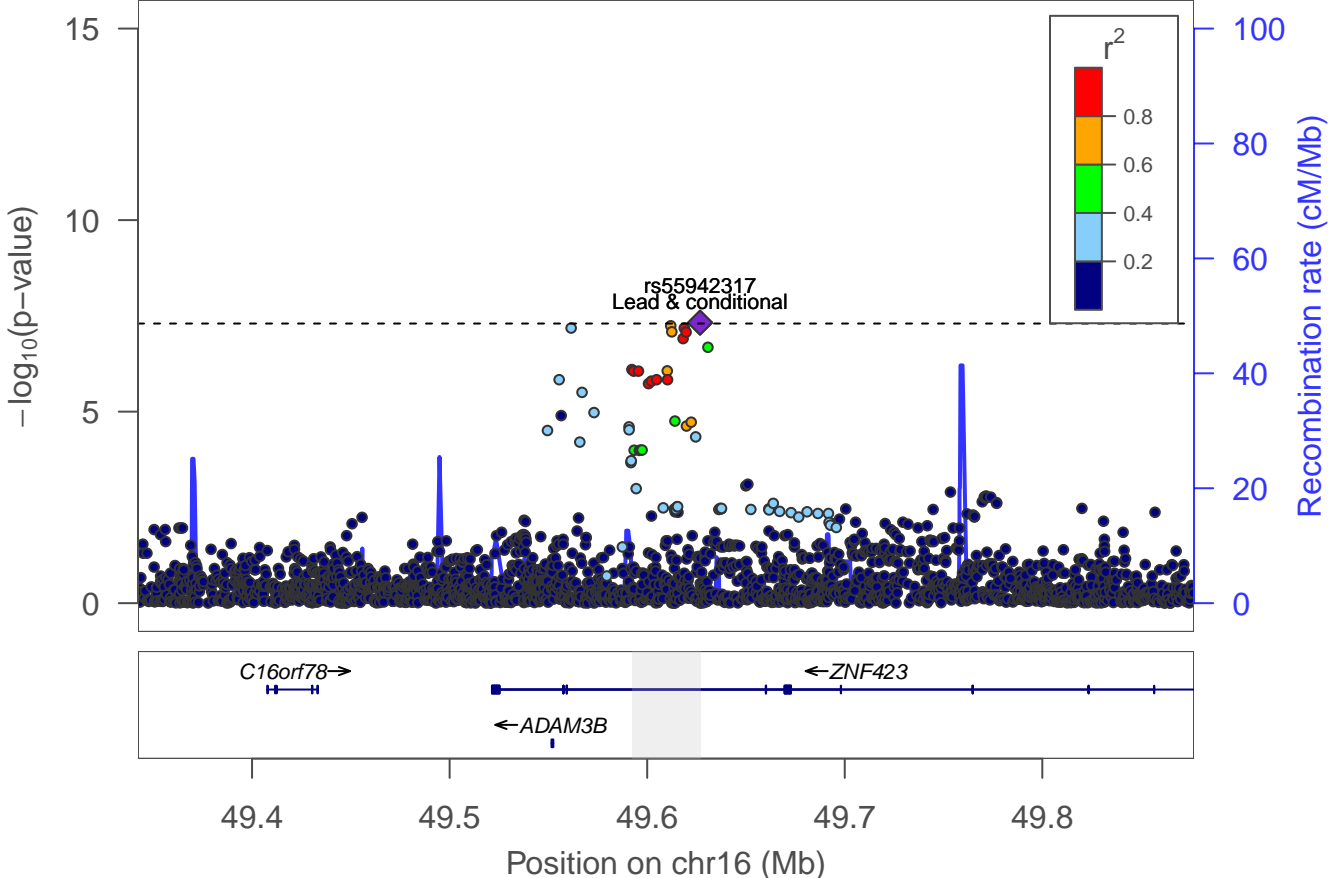
First PC risky behaviors: locus 74 [chr 16:13.657–13.805Mb]



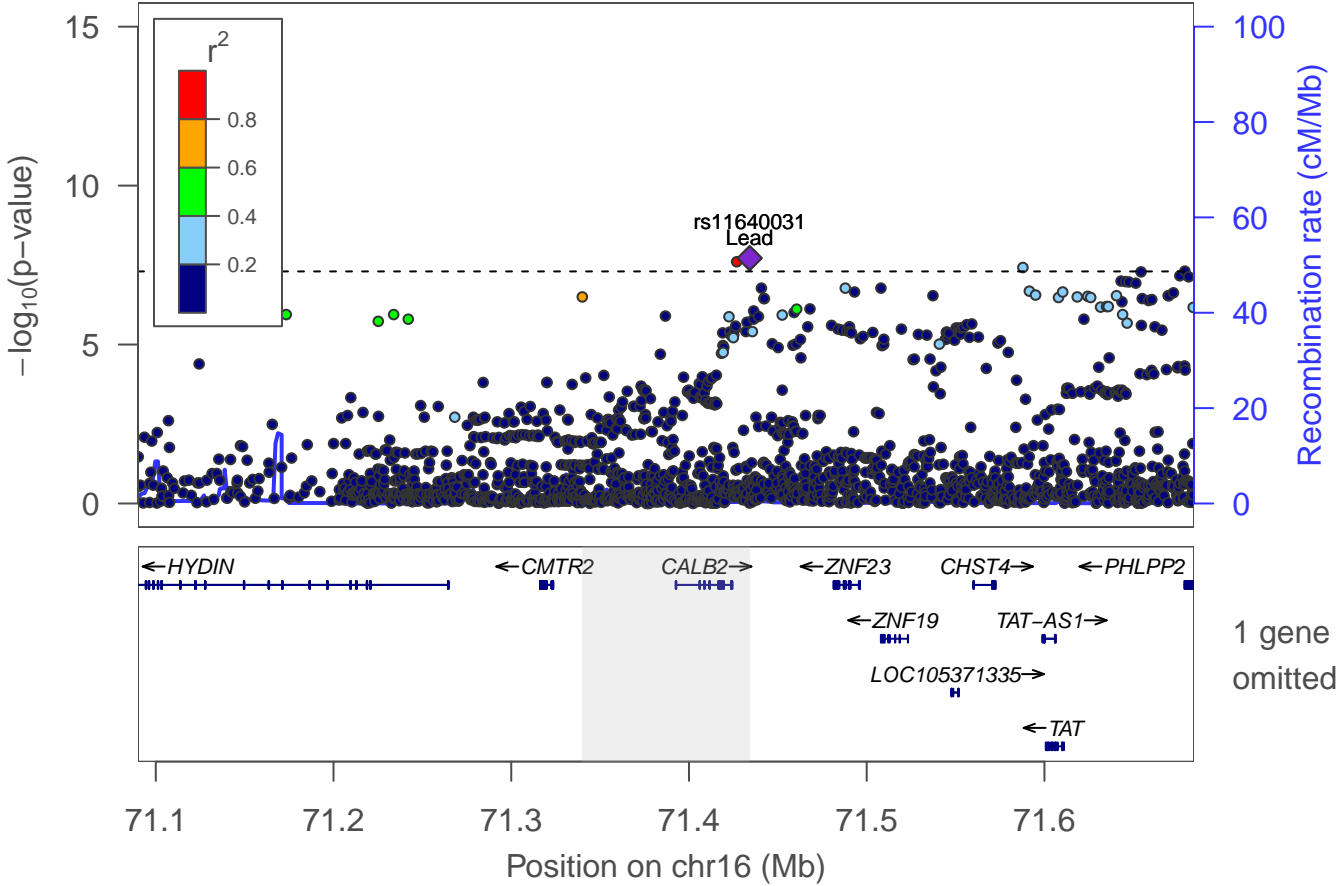
First PC risky behaviors: locus 76 [chr 16:28.619–28.621Mb]



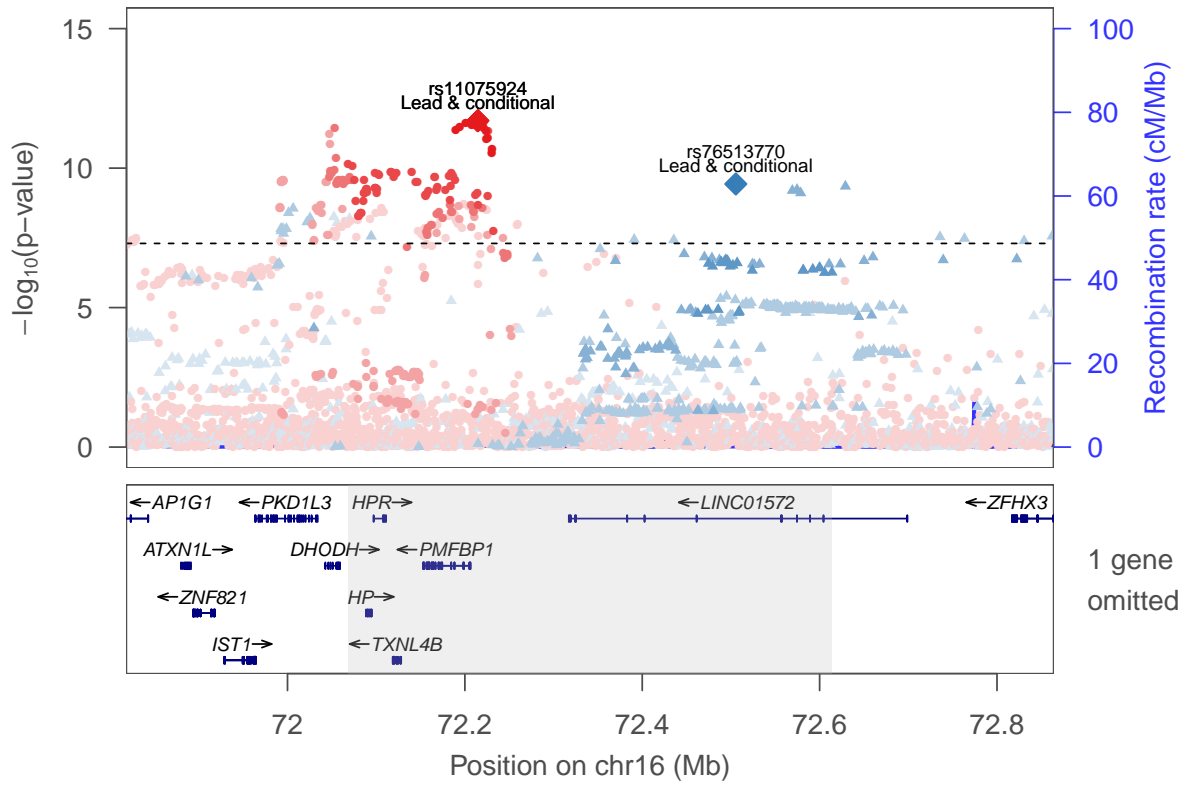
First PC risky behaviors: locus 77 [chr 16:49.592–49.627Mb]



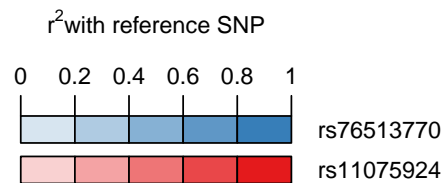
First PC risky behaviors: locus 79 [chr 16:71.340–71.434Mb]



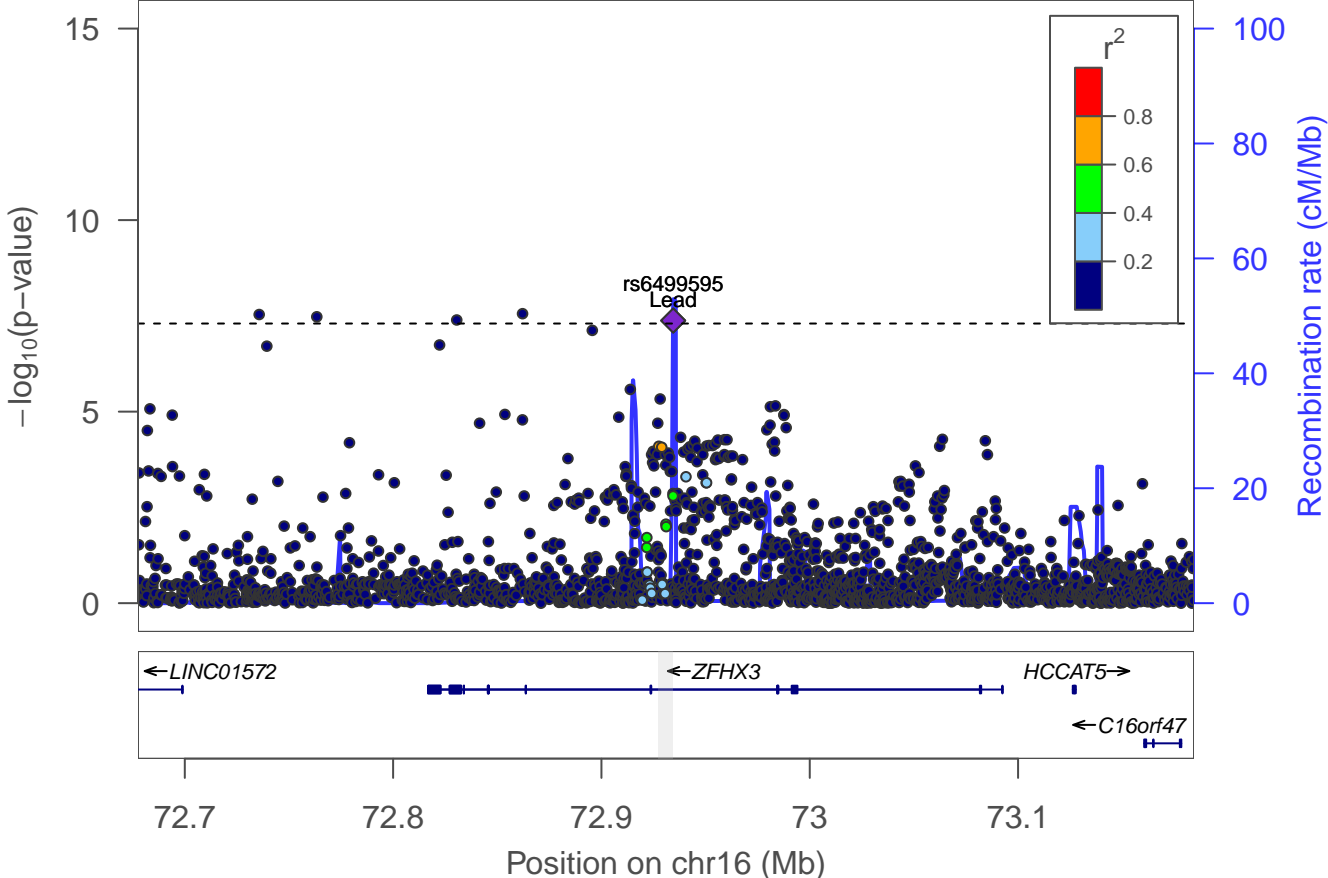
First PC risky behaviors: Locus 80 [chr 16: 72.068–72.614Mb]



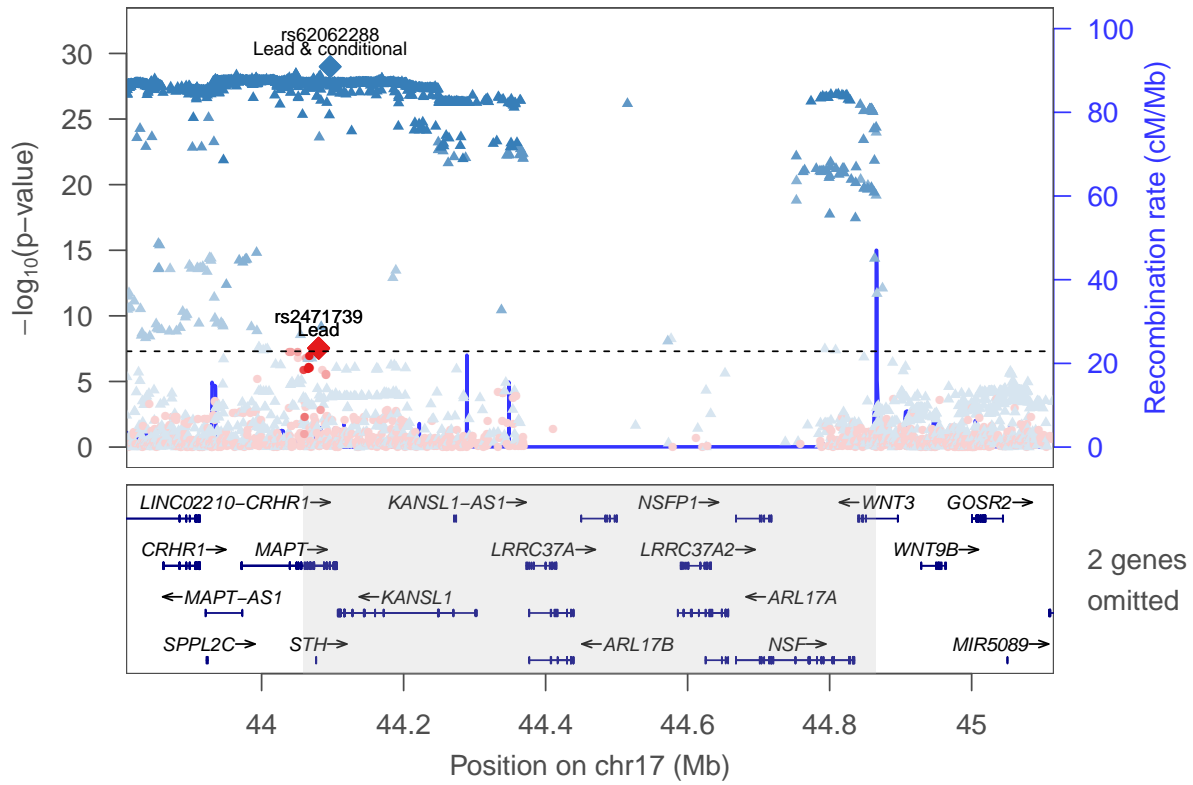
rs76513770 ▲
 rs11075924 ●



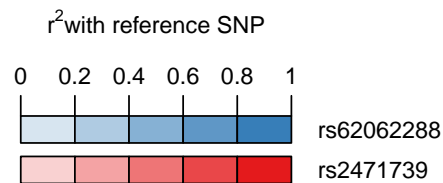
First PC risky behaviors: locus 81 [chr 16:72.928–72.934Mb]



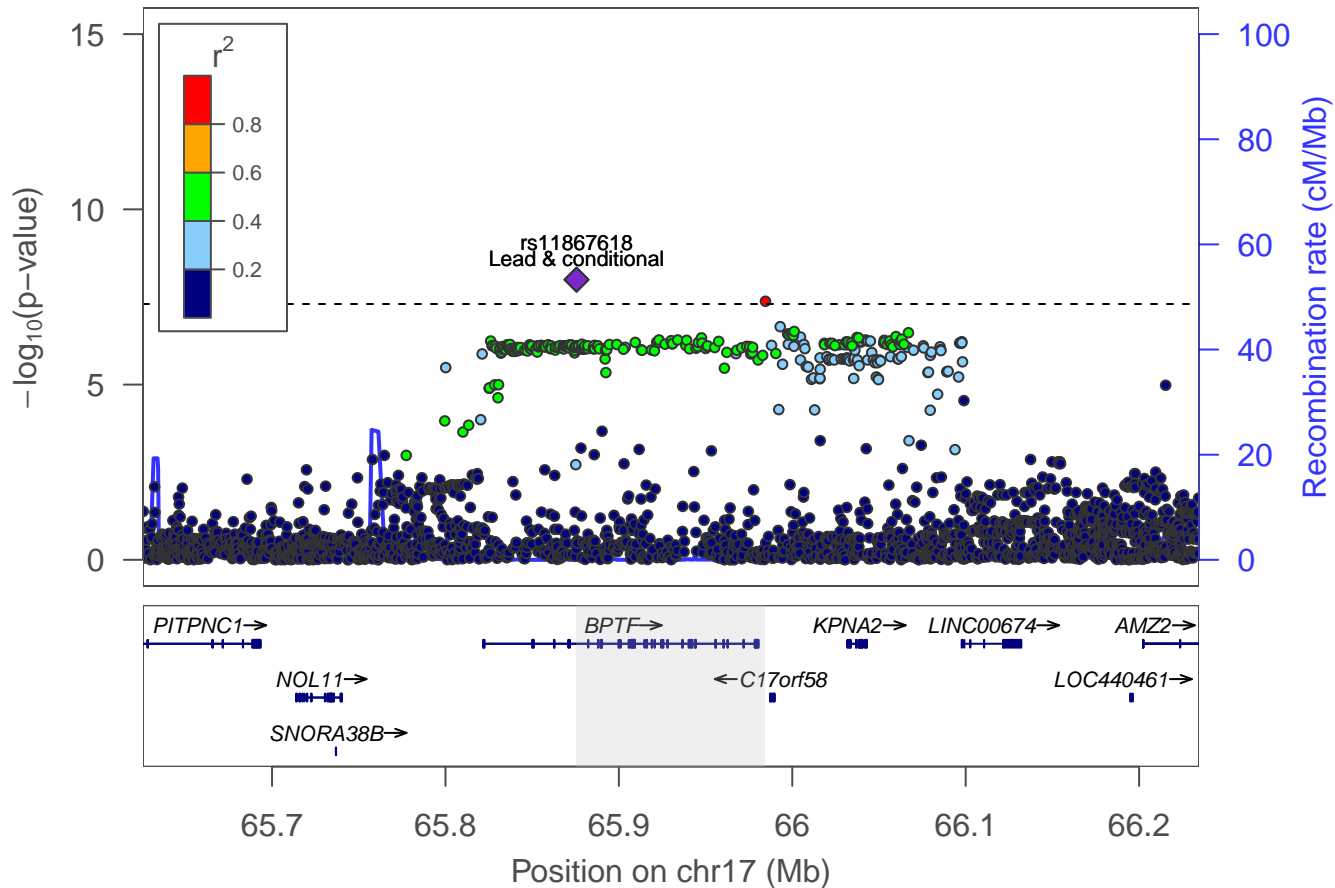
First PC risky behaviors: Locus 82 [chr 17: 44.059–44.865Mb]



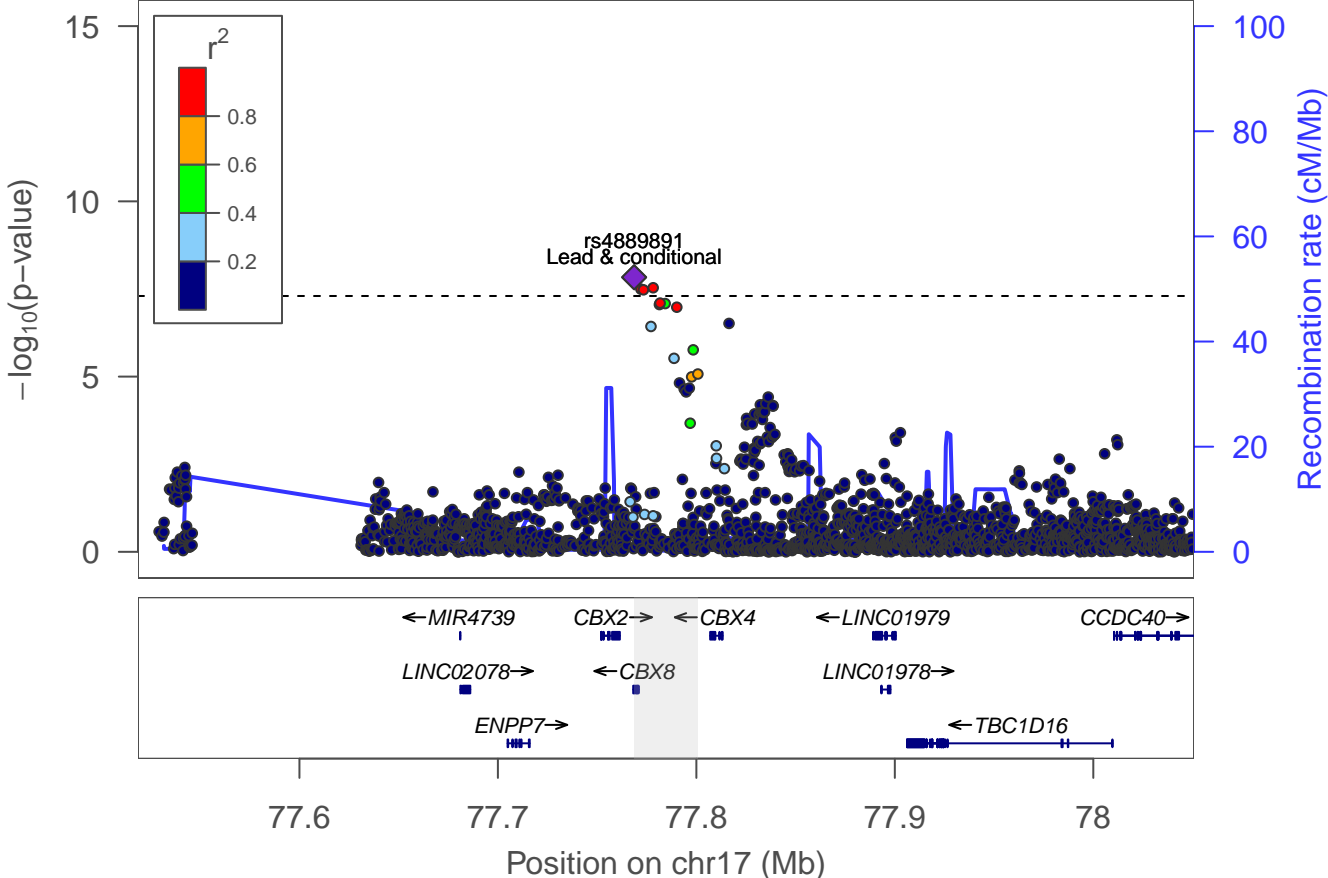
rs62062288 ▲
rs2471739 ●



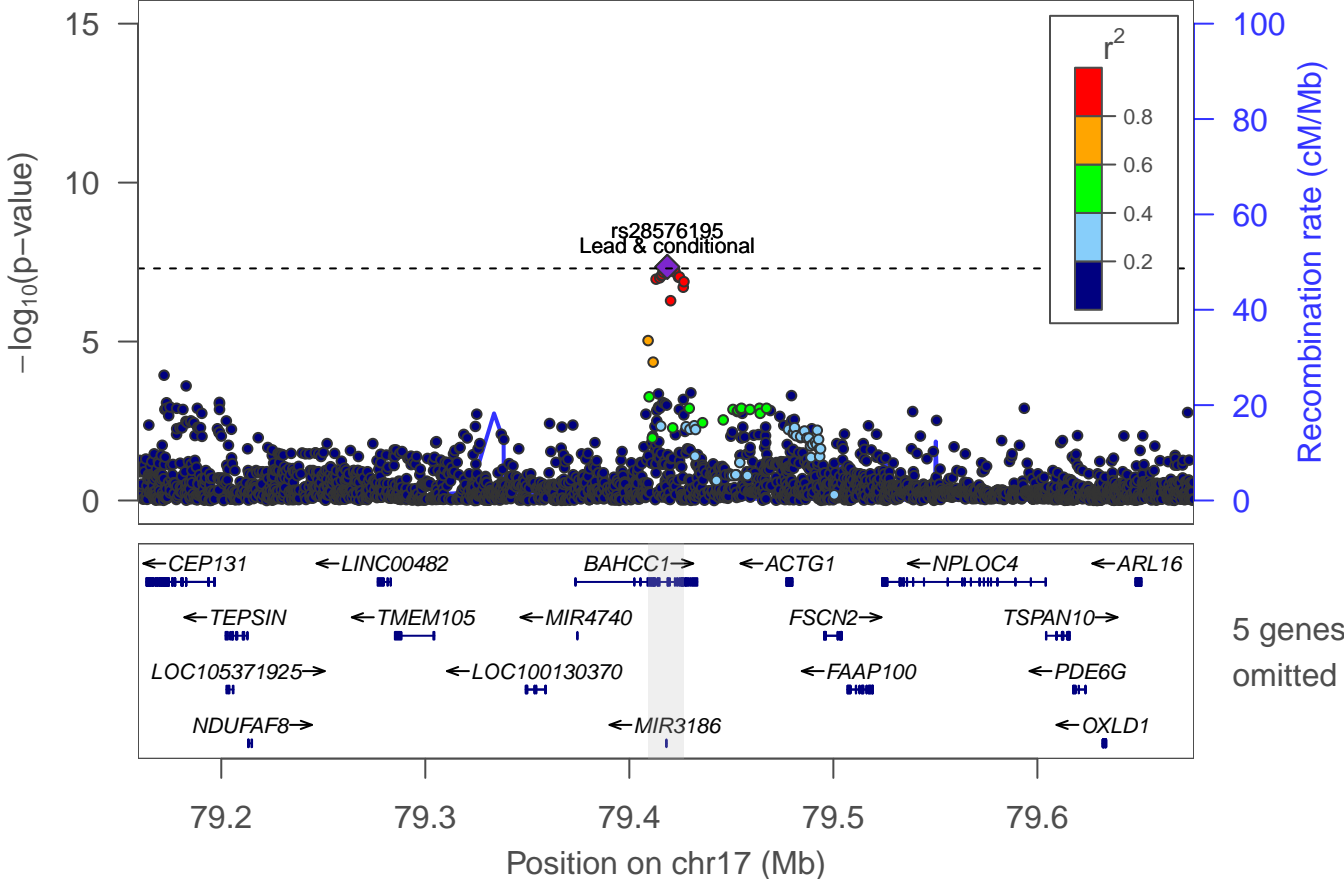
First PC risky behaviors: locus 83 [chr 17:65.876–65.985Mb]



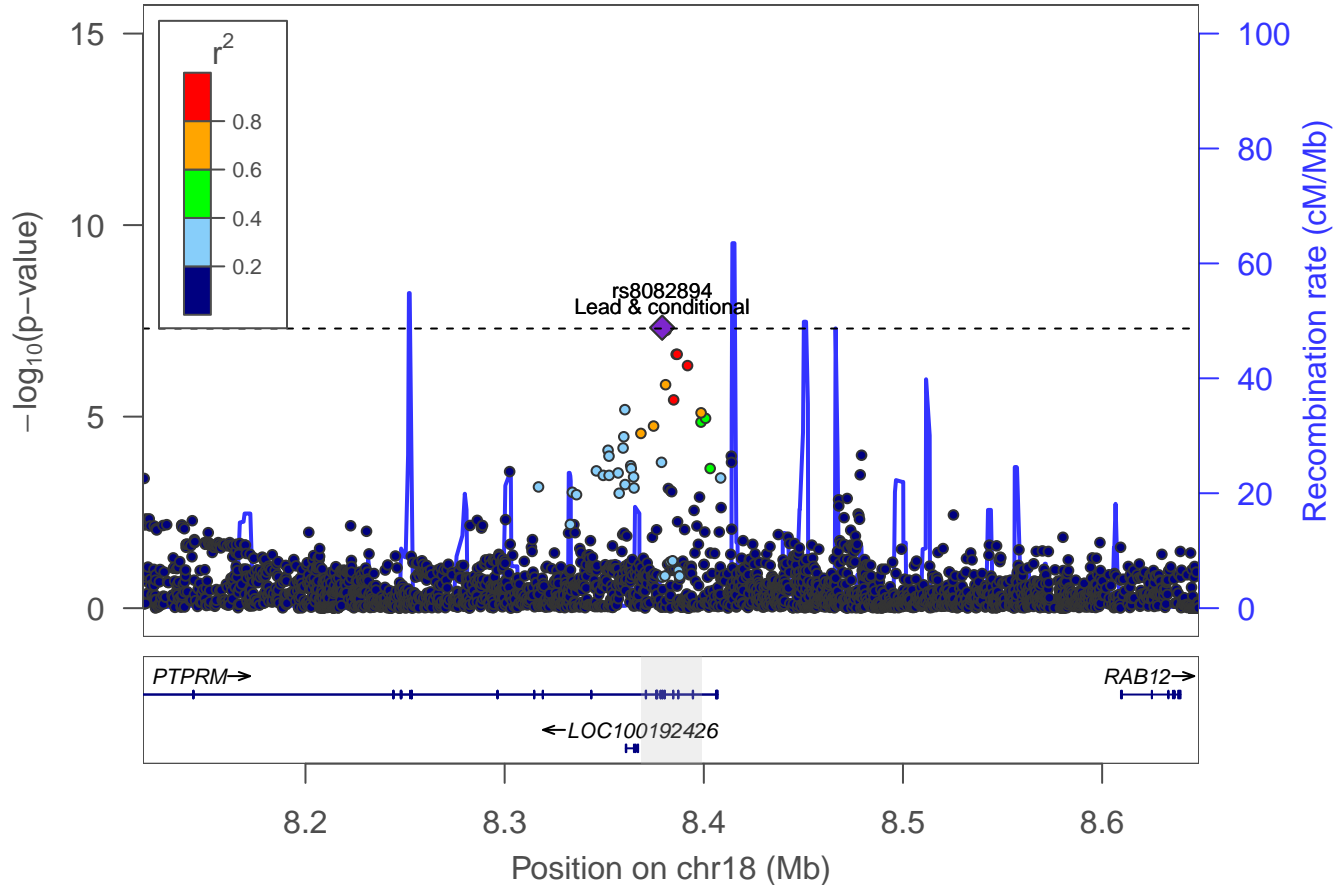
First PC risky behaviors: locus 84 [chr 17:77.769–77.801Mb]



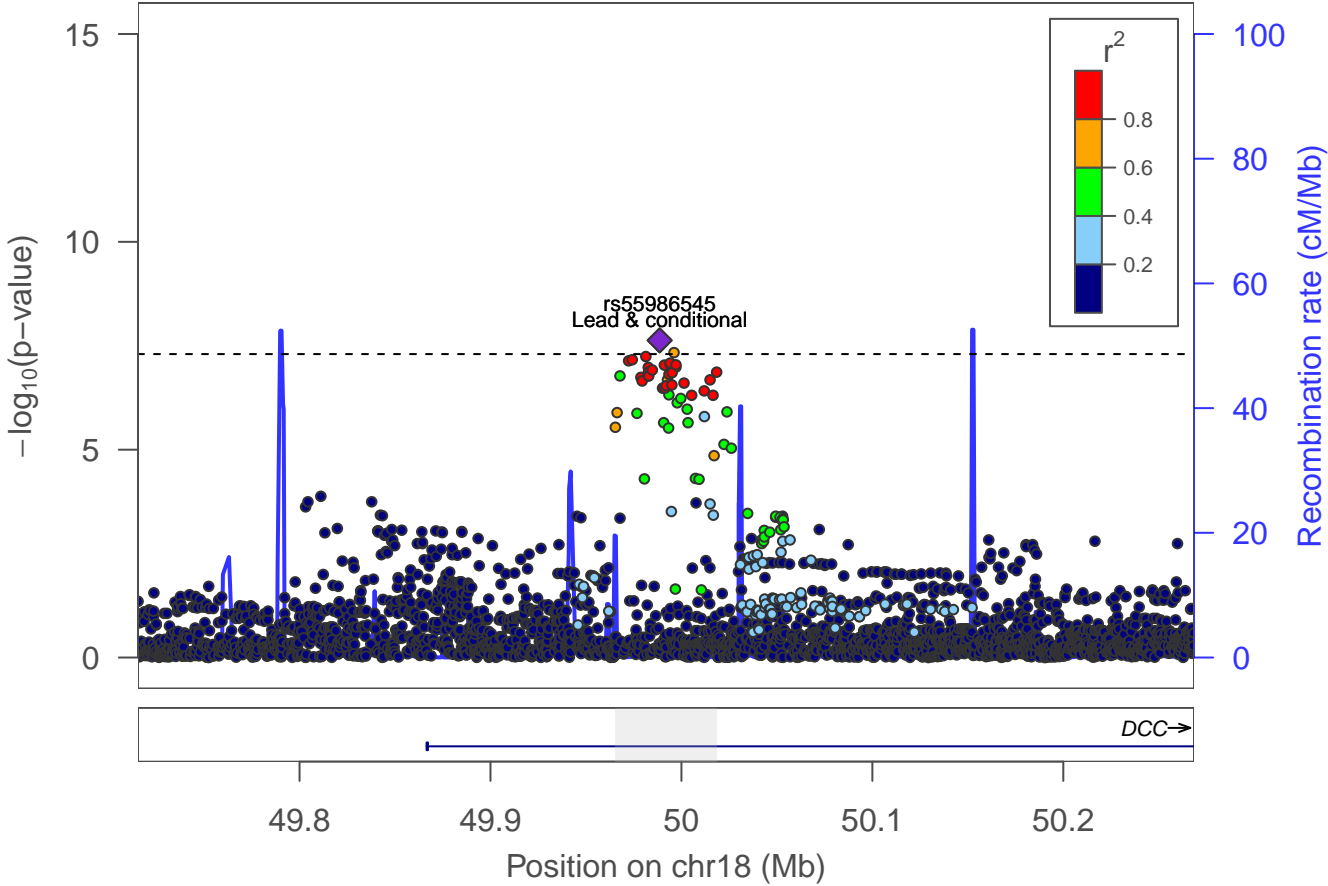
First PC risky behaviors: locus 85 [chr 17:79.409–79.427Mb]



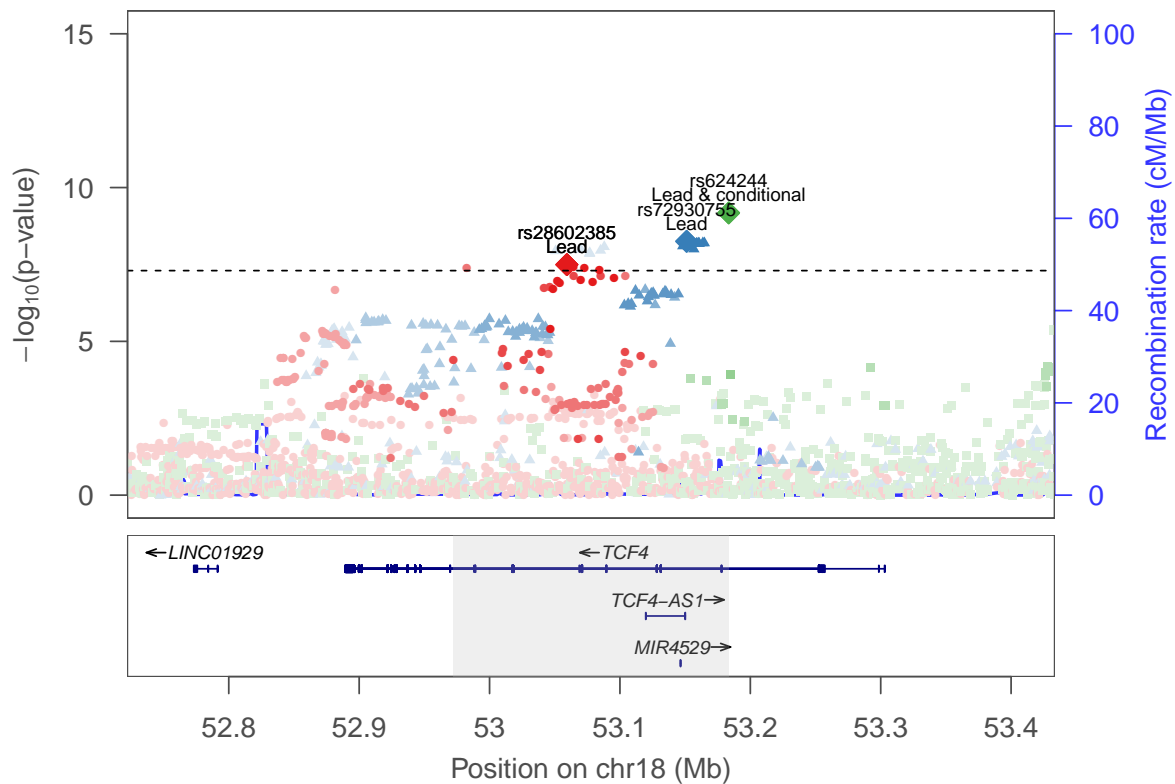
First PC risky behaviors: locus 86 [chr 18:8.368–8.399Mb]



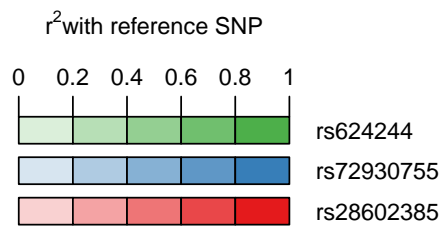
First PC risky behaviors: locus 87 [chr 18:49.965–50.018Mb]



First PC risky behaviors: Locus 88 [chr 18: 52.972–53.183Mb]



rs624244 ■
 rs72930755 ▲
 rs28602385 ●



First PC risky behaviors: locus 89 [chr 22:42.692–42.703Mb]

