

date: Fri Oct 12 04:10:09 2018

build: P50_round4

display range: chr2:83705559–89705559 [83705559–89705559]

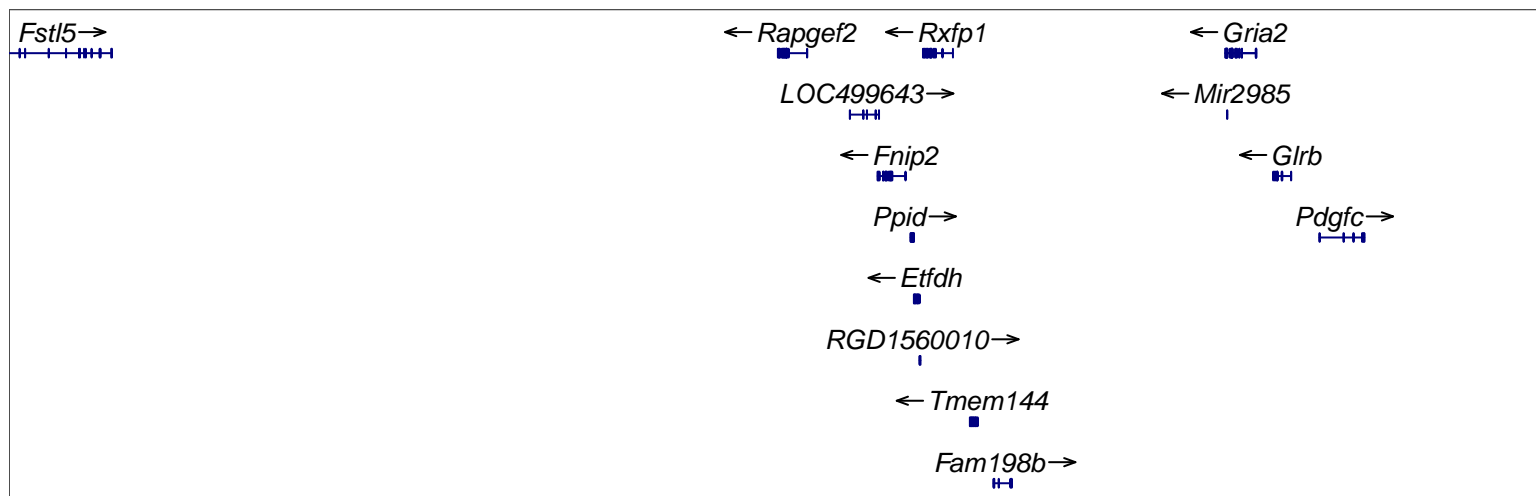
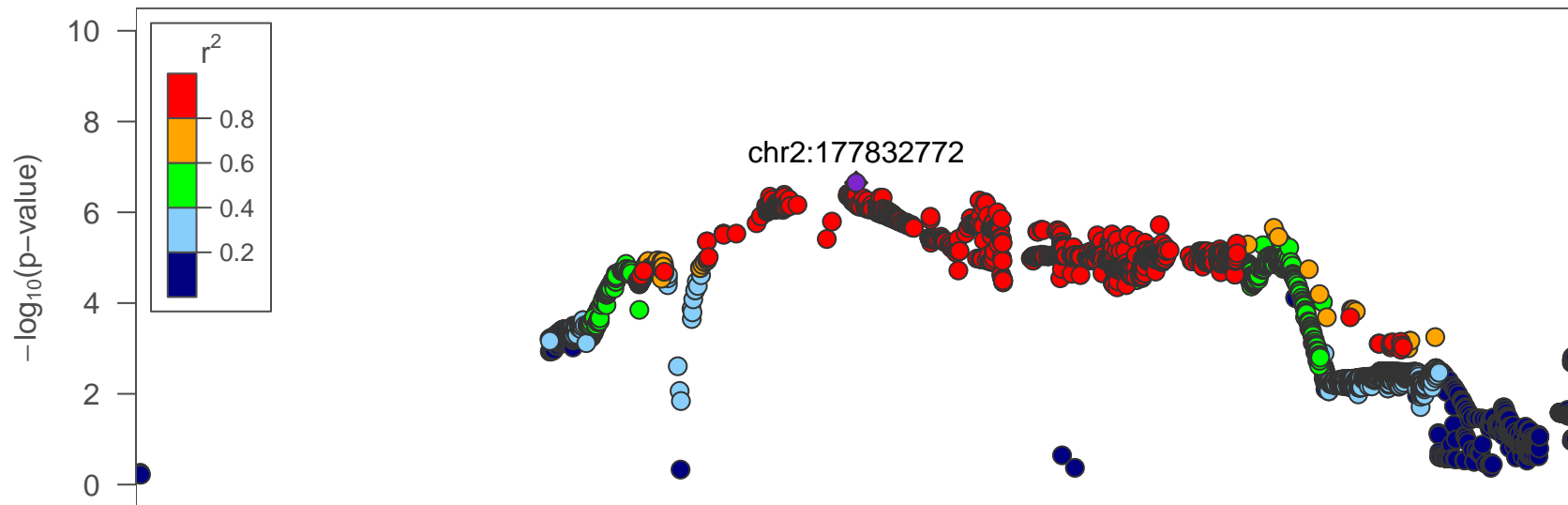
hilite range: 0 – 0 [0 – 0]

reference SNP: chr2:86705559

number of SNPs plotted: 10654

min P-value: $7.01E-7$ [chr2:86705559]

max P-value: $10E-1$ [chr2:84022419]



175 176 177 178 179 180
Position on chr2 (Mb)

date: Fri Oct 12 04:12:48 2018

build: P50_round4

display range: chr2:174832772–180832772 [174832772–180832772]

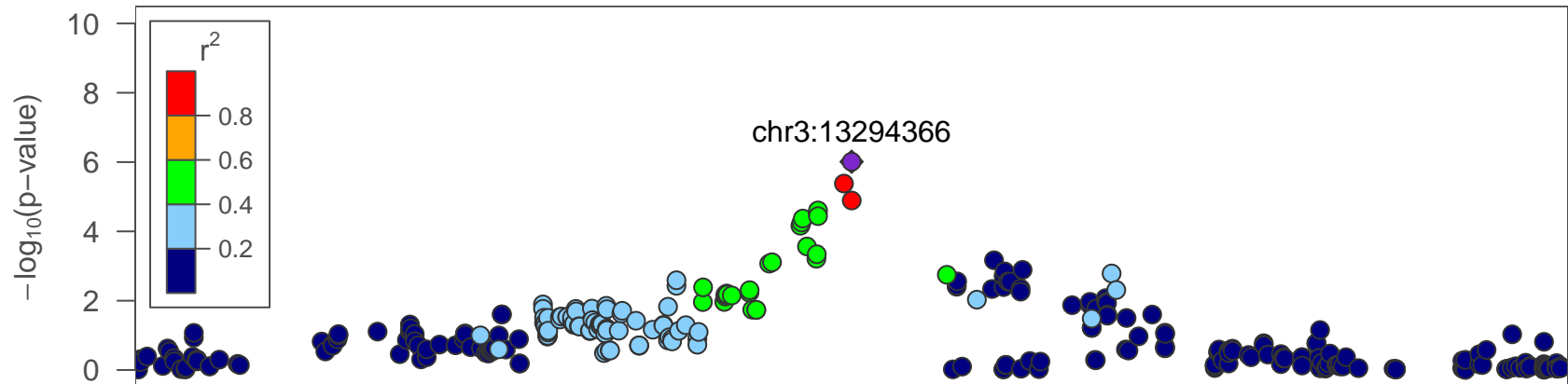
hilite range: 0 – 0 [0 – 0]

reference SNP: chr2:177832772

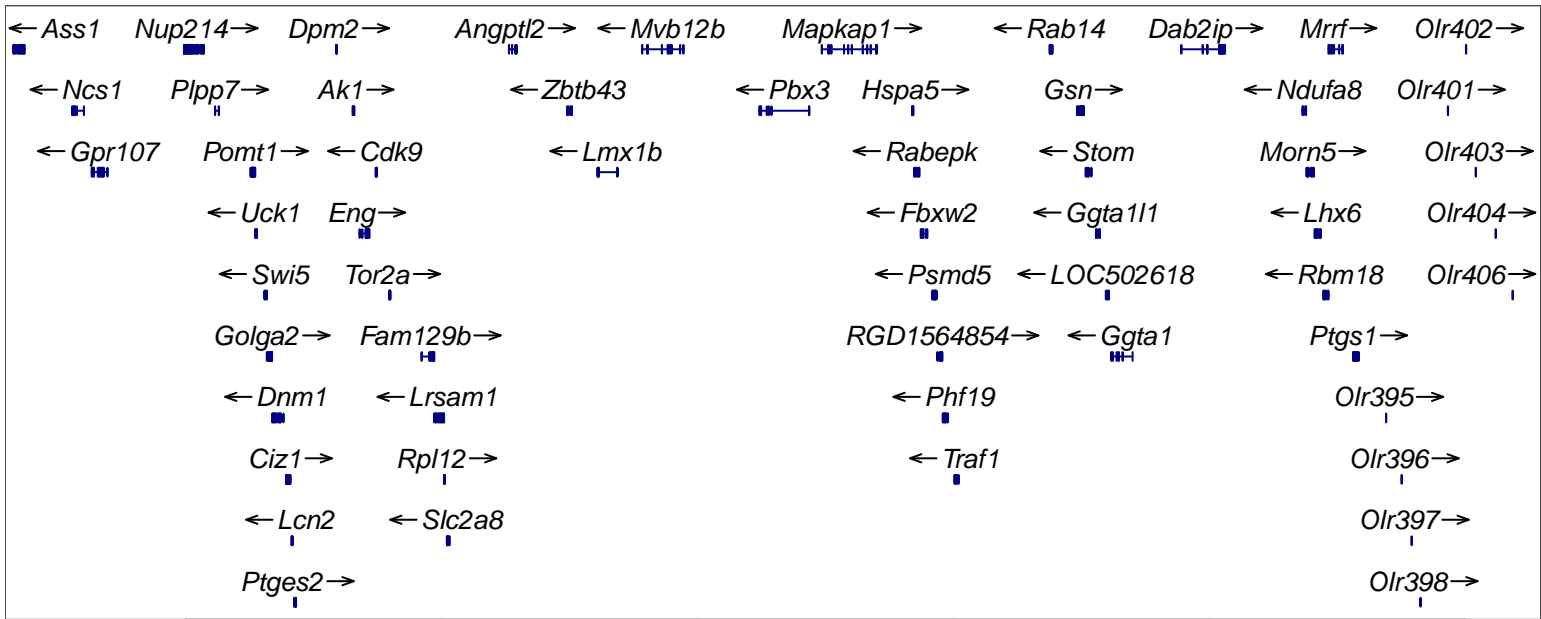
number of SNPs plotted: 4413

min P-value: 2.23E-7 [chr2:177832772]

max P-value: 6.01E-1 [chr2:174850211]



Credible Set



10 genes omitted

11 12 13 14 15 16
Position on chr3 (Mb)

date: Fri Oct 12 04:17:24 2018

build: P50_round4

display range: chr3:10294366–16294366 [10294366–16294366]

hilite range: 0 – 0 [0 – 0]

reference SNP: chr3:13294366

number of SNPs plotted: 330

min P-value: 9.76E-7 [chr3:13294366]

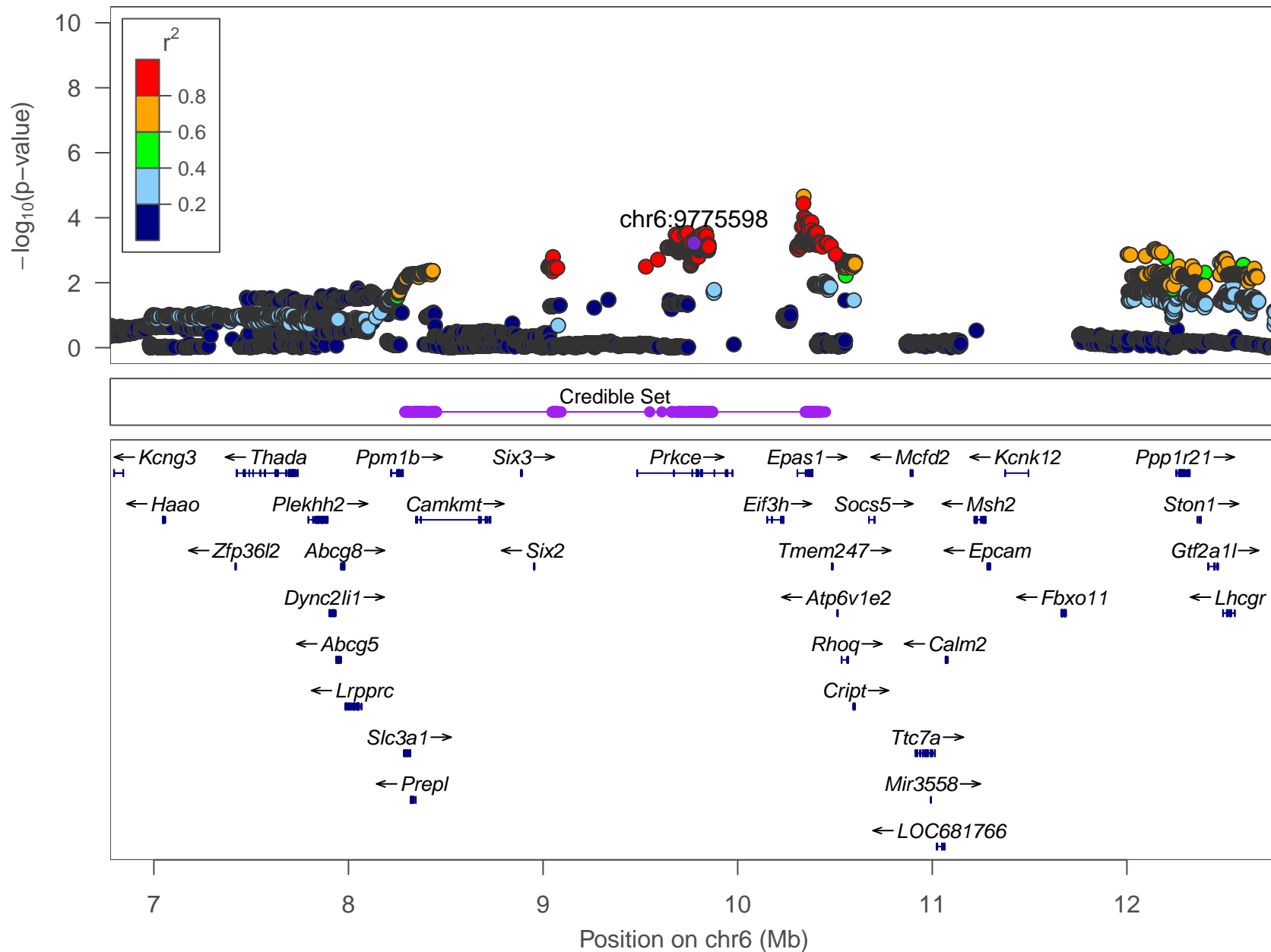
max P-value: 9.95E-1 [chr3:15864294]

omitted Genes: Slc25a25, St6galnac6, Fpgs

omitted Genes: Sh2d3c, Cfap157, Stxbp1

omitted Genes: Olr399, Olr400, Olr407

omitted Genes: Olr408



date: Fri Oct 12 04:20:03 2018

build: P50_round4

display range: chr6:6775598–12775598 [6775598–12775598]

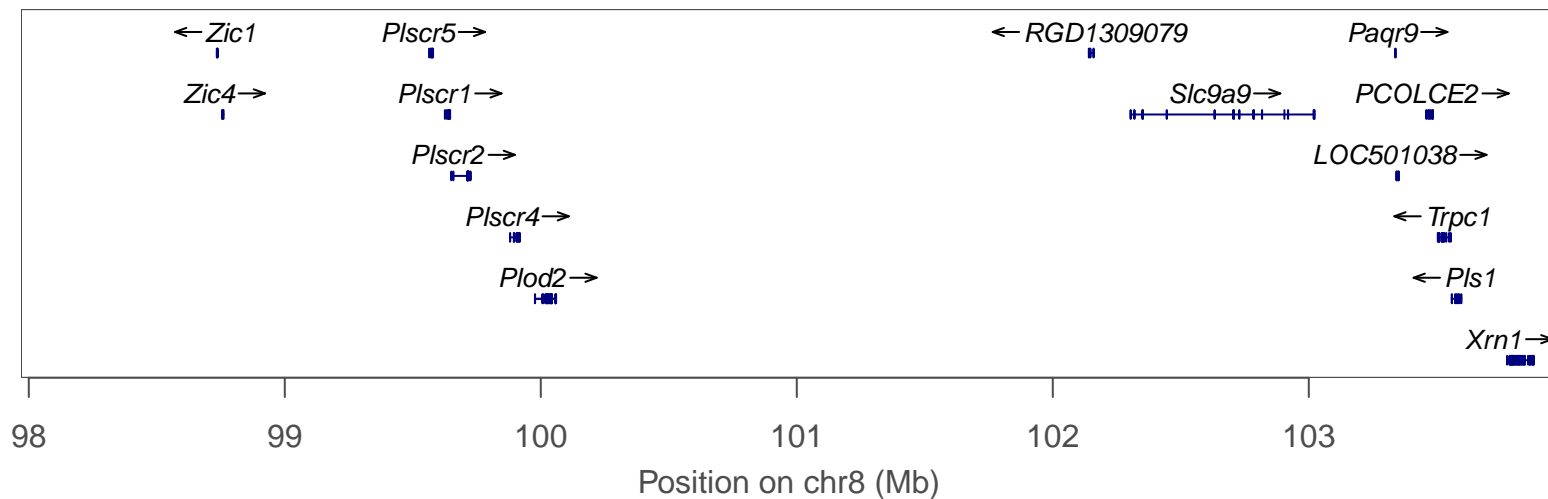
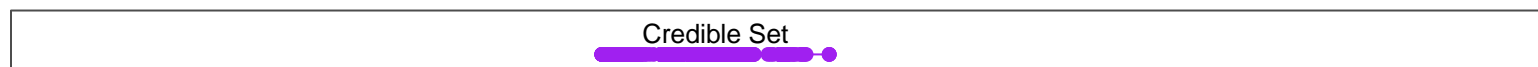
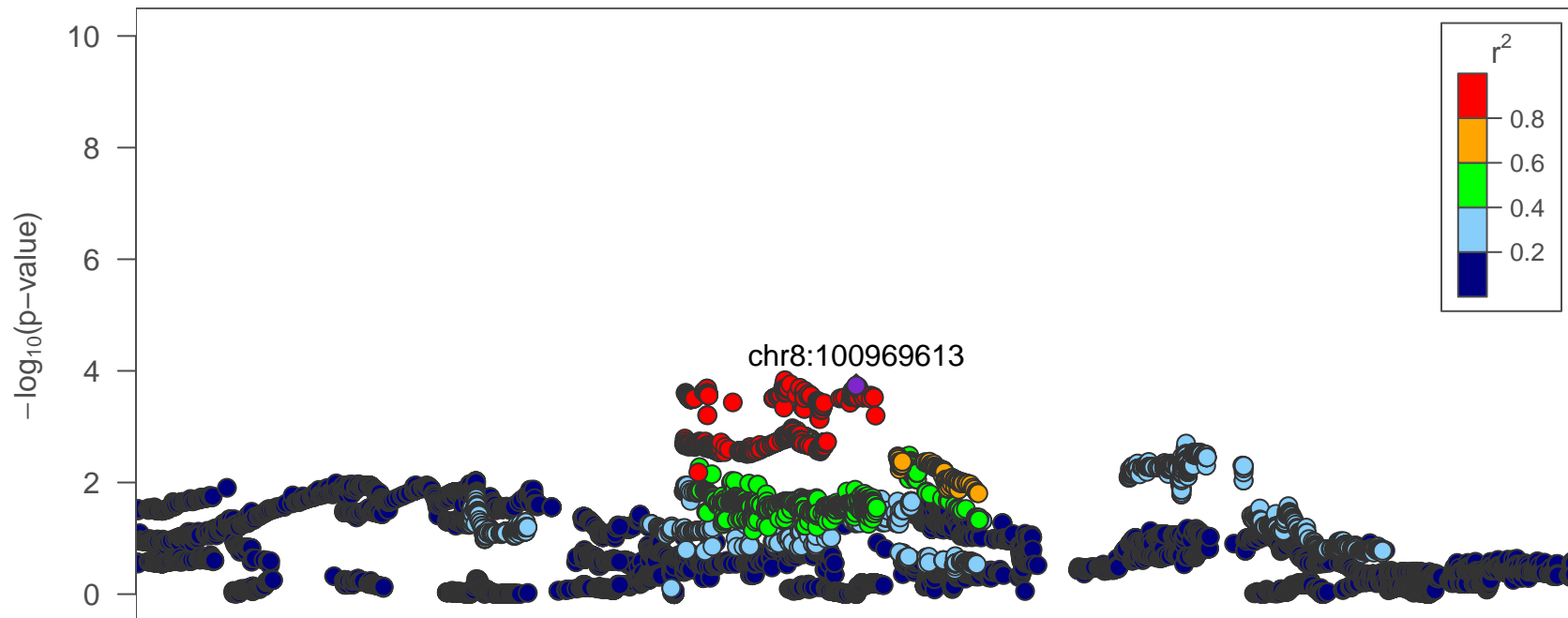
hilite range: 0 – 0 [0 – 0]

reference SNP: chr6:9775598

number of SNPs plotted: 9493

min P-value: 2.25E–5 [chr6:10355491]

max P-value: 9.99E–1 [chr6:7499613]



date: Fri Oct 12 04:25:09 2018

build: P50_round4

display range: chr8:97969613–103969613 [97969613–103969613]

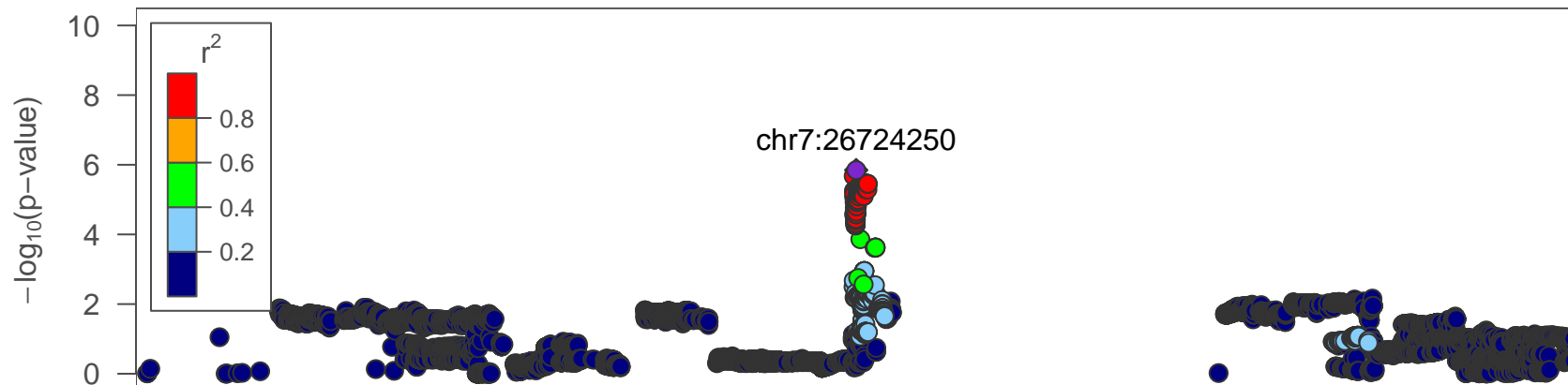
hilite range: 0 – 0 [0 – 0]

reference SNP: chr8:100969613

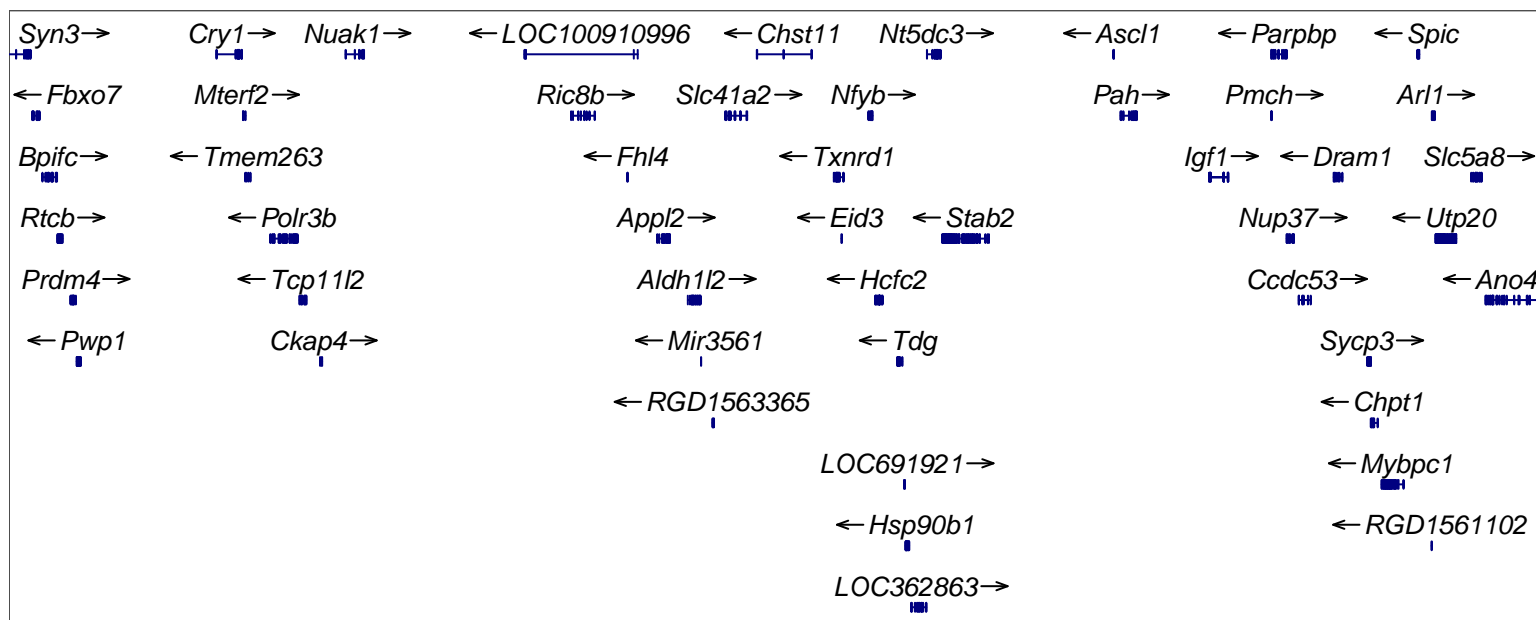
number of SNPs plotted: 13205

min P-value: 1.48E-4 [chr8:100697030]

max P-value: 9.99E-1 [chr8:99482726]



Credible Set



Position on chr7 (Mb)

date: Fri Oct 12 04:28:11 2018

build: P50_round4

display range: chr7:23724250–29724250 [23724250–29724250]

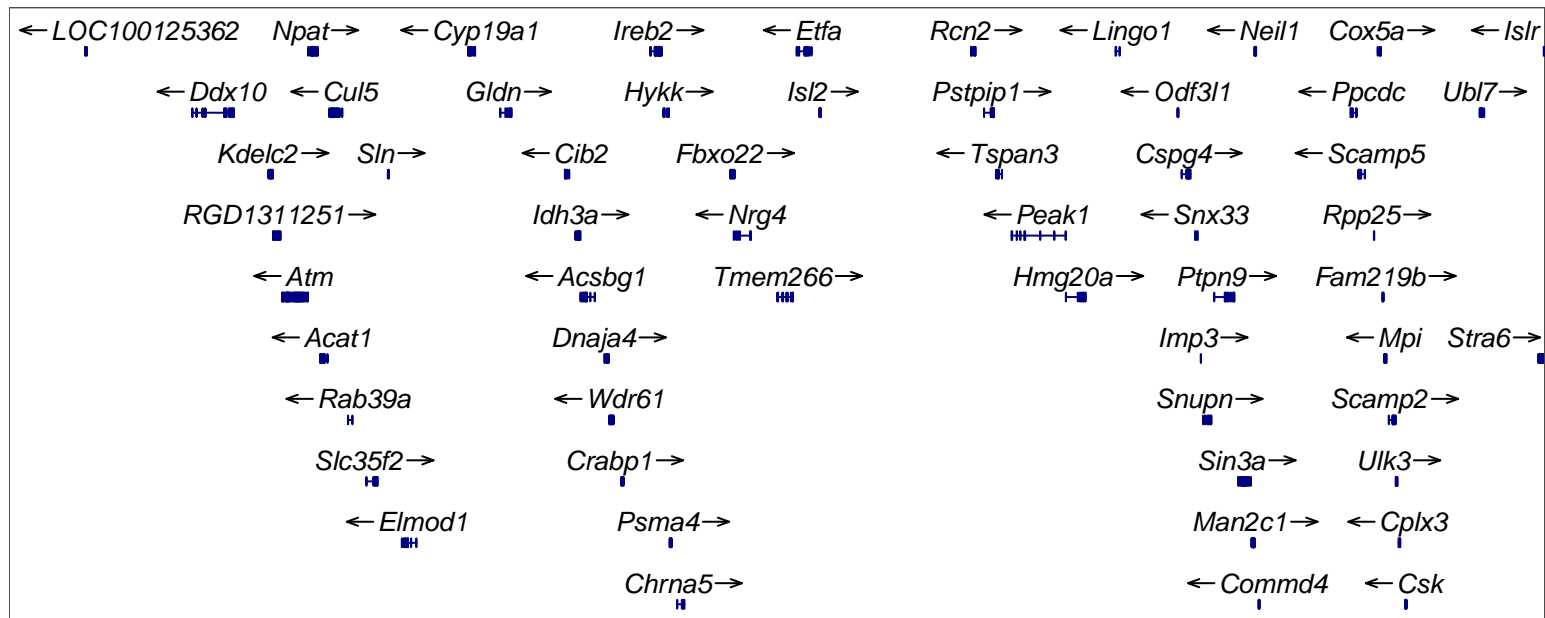
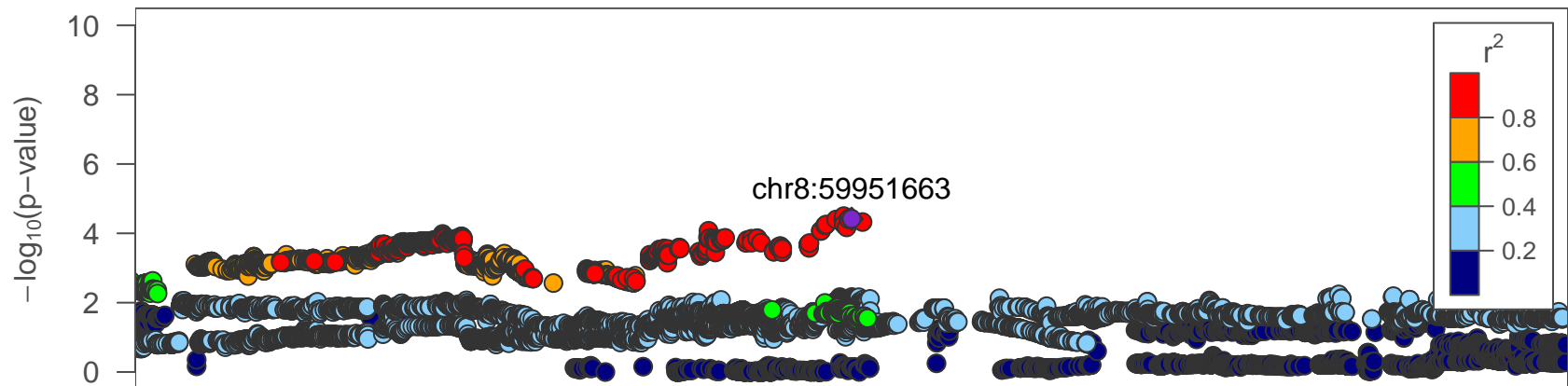
hilite range: 0 – 0 [0 – 0]

reference SNP: chr7:26724250

number of SNPs plotted: 8146

min P-value: 1.43E–6 [chr7:26724250]

max P-value: 10E–1 [chr7:25194105]



11 genes omitted

57

58

59

60

61

62

Position on chr8 (Mb)

date: Fri Oct 12 04:42:27 2018

build: P50_round4

display range: chr8:56951663–62951663 [56951663–62951663]

hilite range: 0 – 0 [0 – 0]

reference SNP: chr8:59951663

number of SNPs plotted: 10734

min P-value: 3.22E–5 [chr8:59947765]

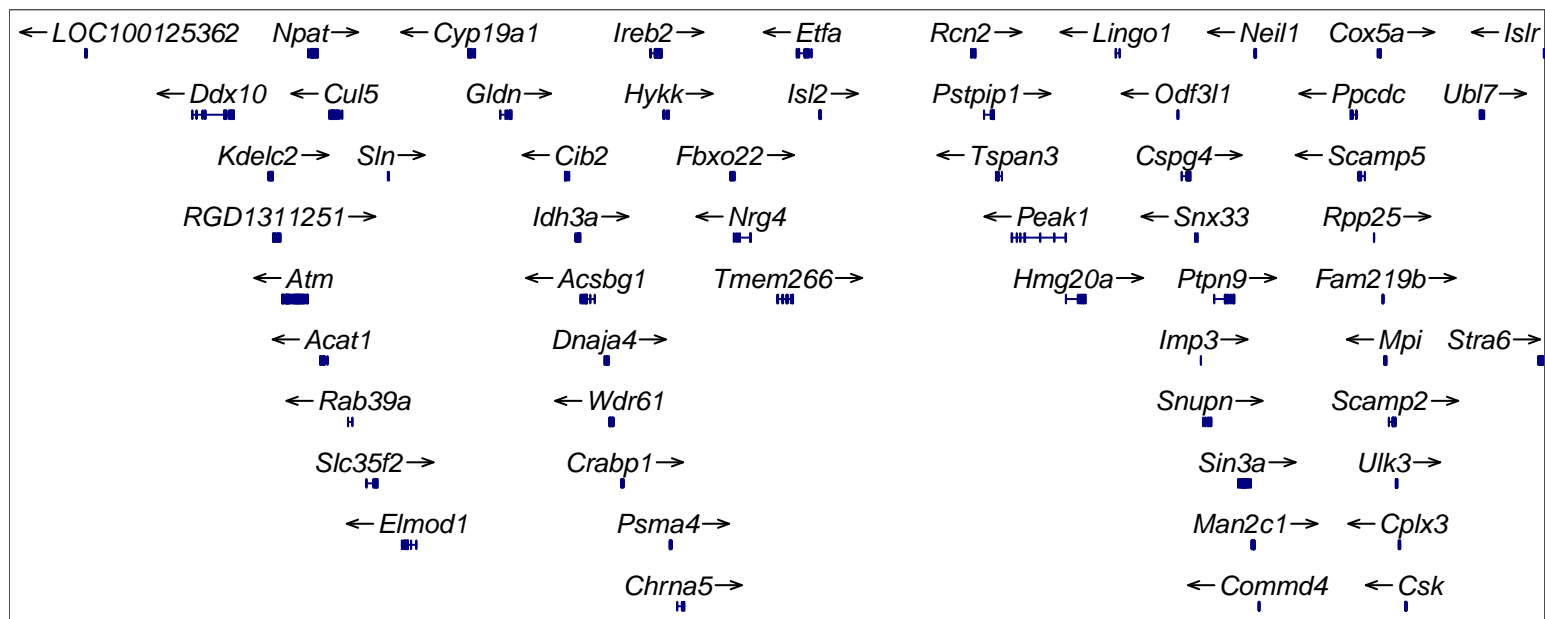
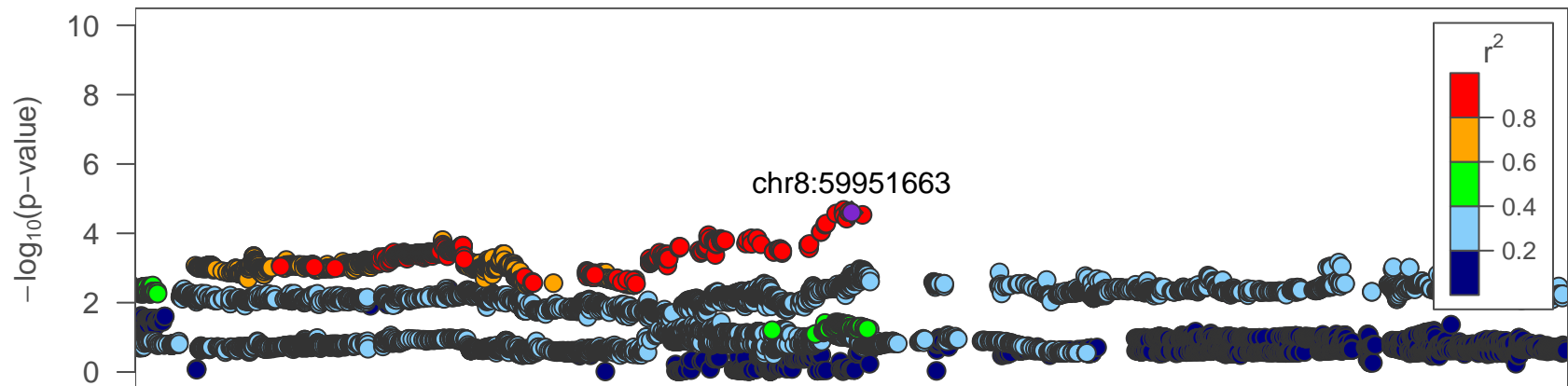
max P-value: 9.99E–1 [chr8:59819069]

omitted Genes: Chrna3, Chrnb4, RGD1305464

omitted Genes: Lman1l, Cyp1a2, Cyp1a1

omitted Genes: Clk3, Arid3b, Sema7a

omitted Genes: Cyp11a1, Ccdc33



11 genes omitted

57 58 59 60 61 62
Position on chr8 (Mb)

date: Fri Oct 12 04:47:24 2018

build: P50_round4

display range: chr8:56951663–62951663 [56951663–62951663]

hilite range: 0 – 0 [0 – 0]

reference SNP: chr8:59951663

number of SNPs plotted: 10734

min P-value: $2.17E-5$ [chr8:59947765]

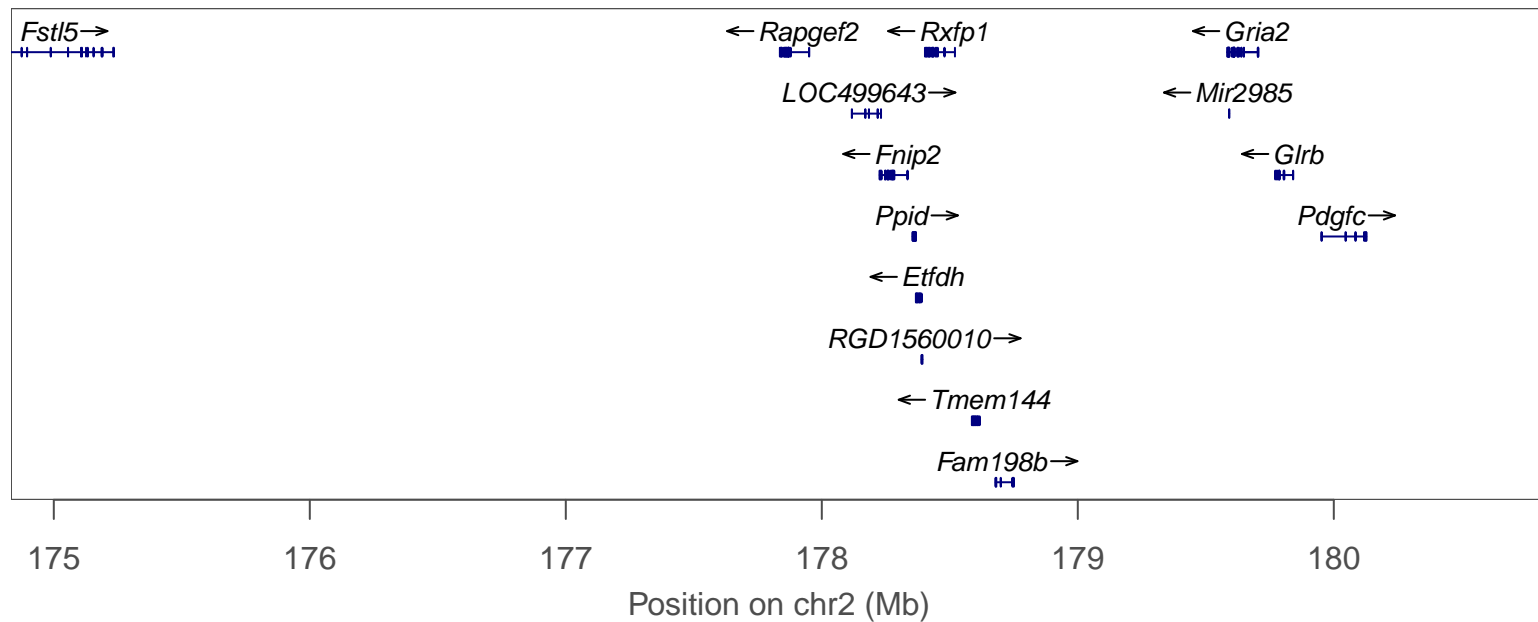
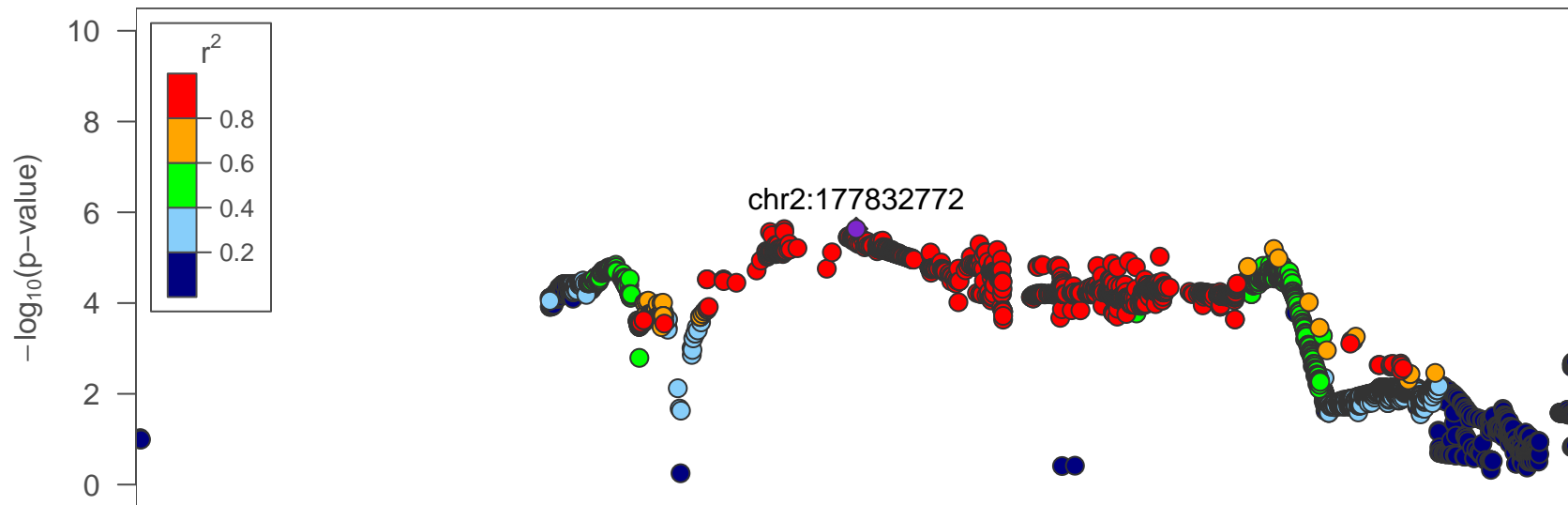
max P-value: $9.64E-1$ [chr8:58920812]

omitted Genes: Chrna3, Chrnb4, RGD1305464

omitted Genes: Lman1l, Cyp1a2, Cyp1a1

omitted Genes: Clk3, Arid3b, Sema7a

omitted Genes: Cyp11a1, Ccdc33



date: Fri Oct 12 04:50:29 2018

build: P50_round4

display range: chr2:174832772–180832772 [174832772–180832772]

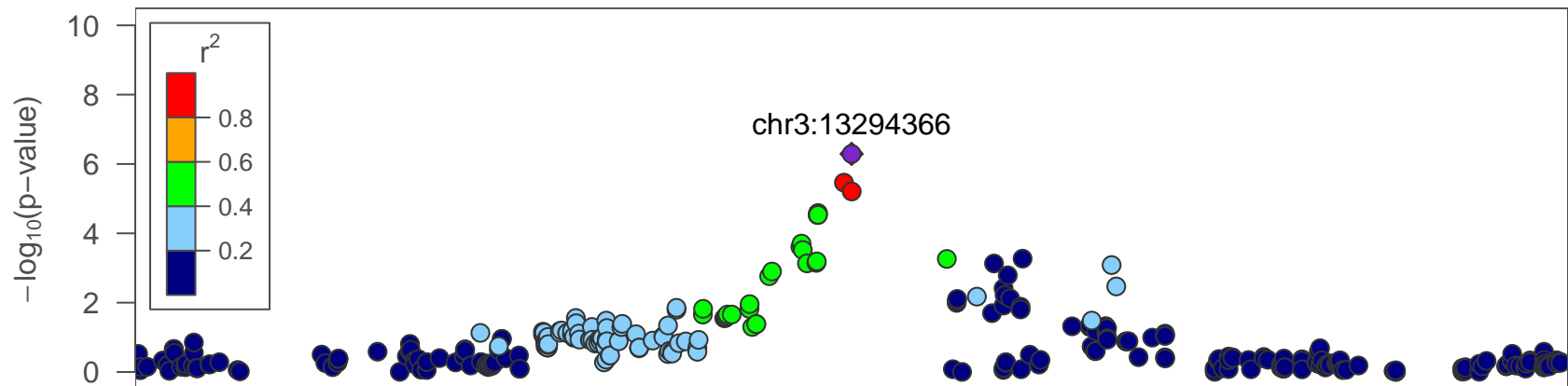
hilite range: 0 – 0 [0 – 0]

reference SNP: chr2:177832772

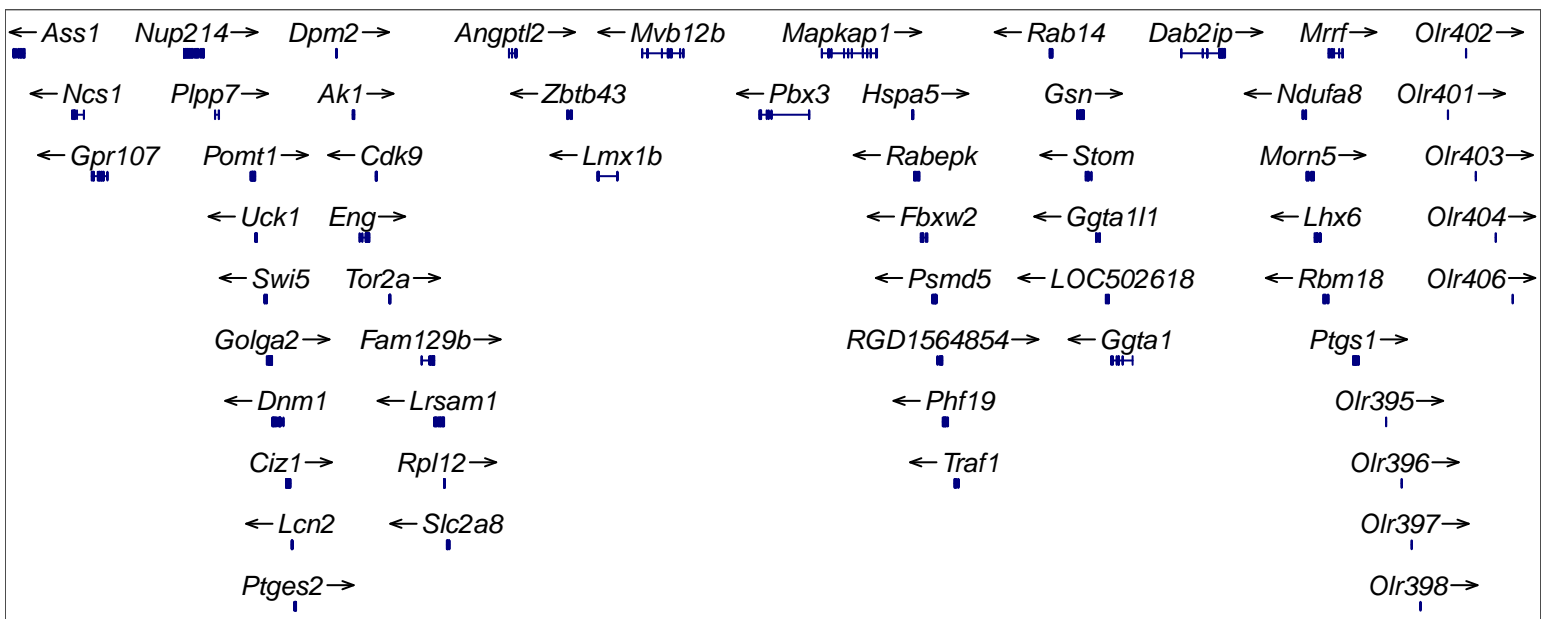
number of SNPs plotted: 4413

min P-value: 2.32E–6 [chr2:177832772]

max P-value: 5.62E–1 [chr2:177101679]



Credible Set



10 genes omitted

11 12 13 14 15 16
Position on chr3 (Mb)

date: Fri Oct 12 04:52:49 2018

build: P50_round4

display range: chr3:10294366–16294366 [10294366–16294366]

hilite range: 0 – 0 [0 – 0]

reference SNP: chr3:13294366

number of SNPs plotted: 330

min P-value: 5.1E-7 [chr3:13294366]

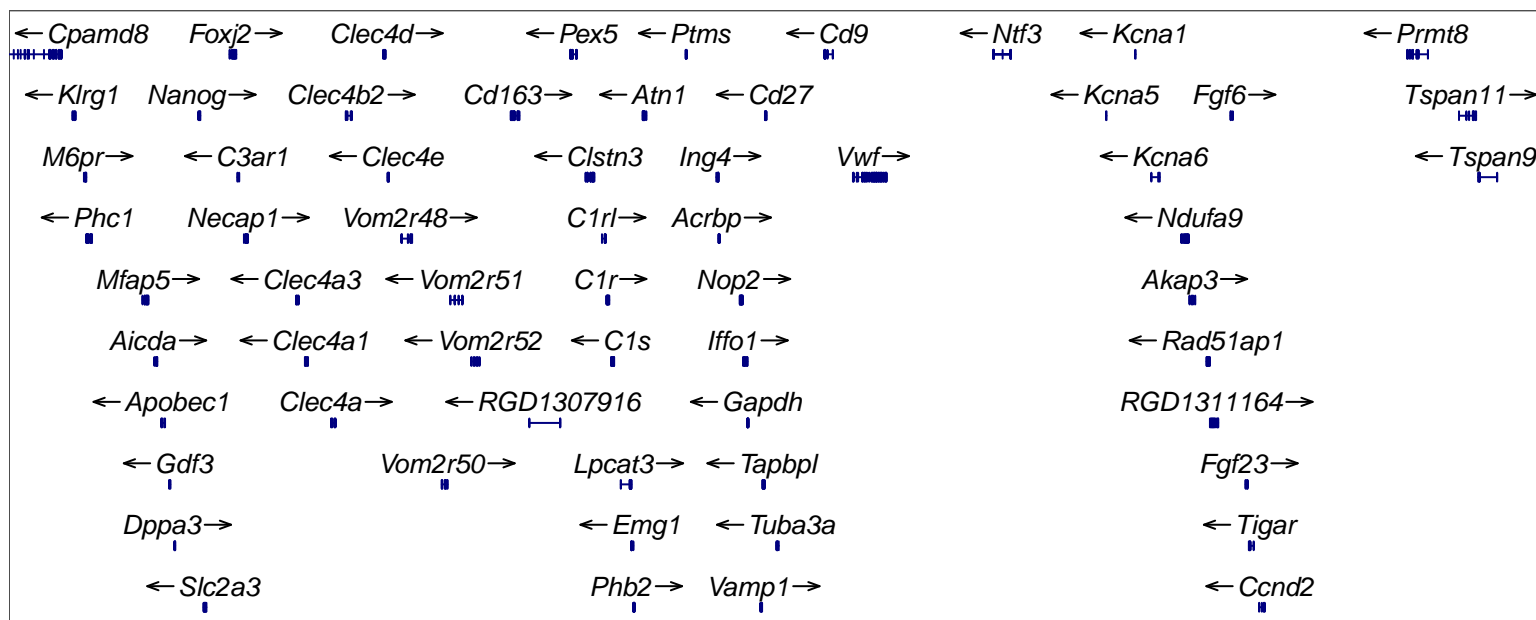
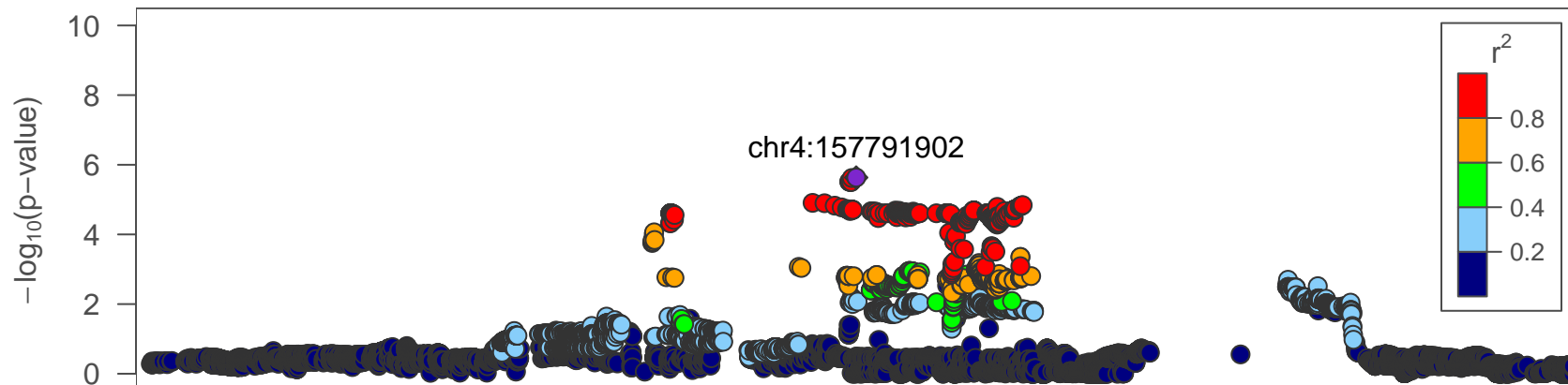
max P-value: 9.97E-1 [chr3:15573476]

omitted Genes: Slc25a25, St6galnac6, Fpgs

omitted Genes: Sh2d3c, Cfap157, Stxbp1

omitted Genes: Olr399, Olr400, Olr407

omitted Genes: Olr408



26 genes omitted

date: Fri Oct 12 04:53:14 2018

build: P50_round4

display range: chr4:154791902–160791902 [154791902–160791902]

hilite range: 0 – 0 [0 – 0]

reference SNP: chr4:157791902

number of SNPs plotted: 10685

min P-value: 2.32E–6 [chr4:157791902]

max P-value: 9.99E–1 [chr4:158815748]

omitted Genes: LOC102550396, Clec4a2, Mir141

omitted Genes: Mir3575, Mir200c, Ptpn6

omitted Genes: Grcc10, Eno2, Lrrc23

omitted Genes: Spsb2, Tpi1, Usp5

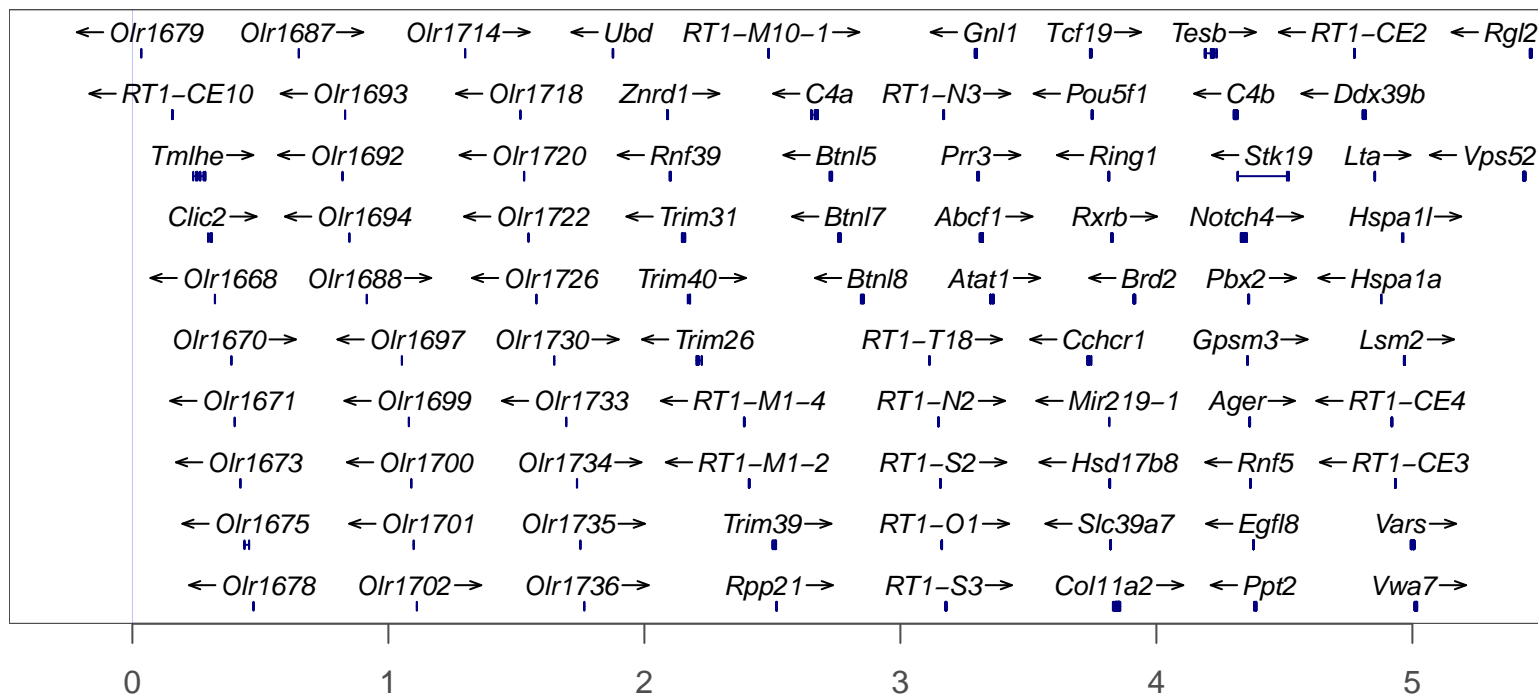
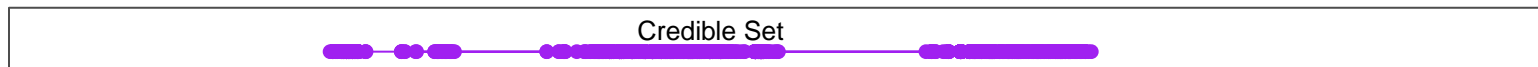
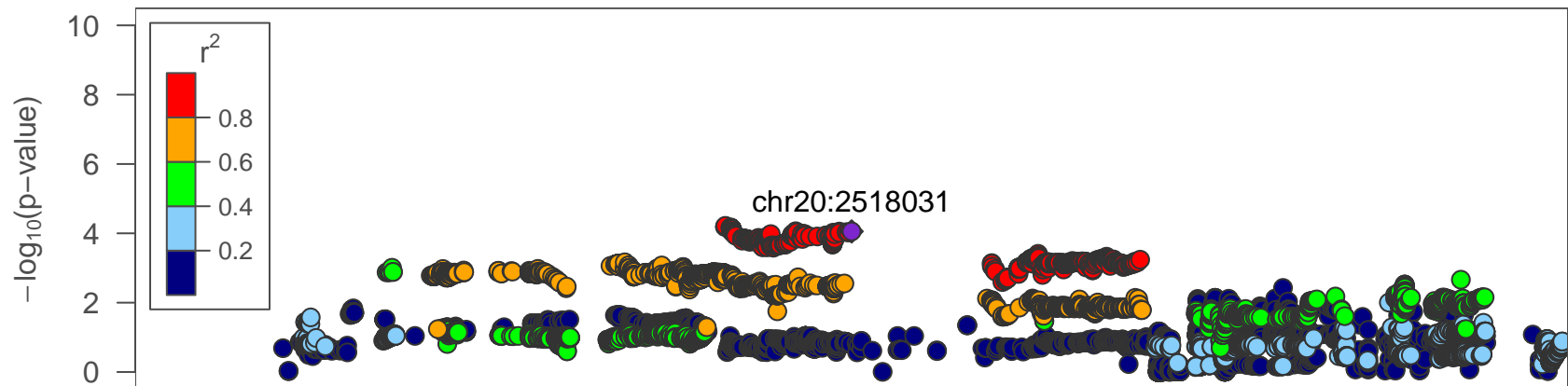
omitted Genes: Cdca3, Gnb3, P3h3

omitted Genes: Gpr162, Cd4, Lag3

omitted Genes: Mlf2, Cops7a, Pianp

omitted Genes: Zfp384, Mrpl51, Ltbr

omitted Genes: Scnn1a, Tnfrsf1a



143 genes omitted

Position on chr20 (Mb)

date: Fri Oct 12 04:54:59 2018

build: P50_round4

display range: chr20:–481969–5518031 [–481969–5518031]

hilite range: 0 – 0 [0 – 0]

reference SNP: chr20:2518031

number of SNPs plotted: 9880

min P-value: 6.16E–5 [chr20:2006565]

max P-value: 9.99E–1 [chr20:3804138]

omitted Genes: Olr1680, Olr1681, Olr1682

omitted Genes: Olr1683, Olr1684, Olr1690

omitted Genes: Olr1691, Olr1695, Olr1696

omitted Genes: Olr1686, Olr1689, Olr1704

omitted Genes: Olr1705, Olr1707, Olr1708

omitted Genes: Olr1709, Olr1710, Olr1868

omitted Genes: RT1–M2, Olr1724, Olr1737

omitted Genes: Olr1738, Olr1739, RT1–M3–1

omitted Genes: Olr1742, Olr1743, Olr1744

omitted Genes: Olr1746, Olr1748, Olr1749

omitted Genes: Olr1750, Gabbr1, Mog

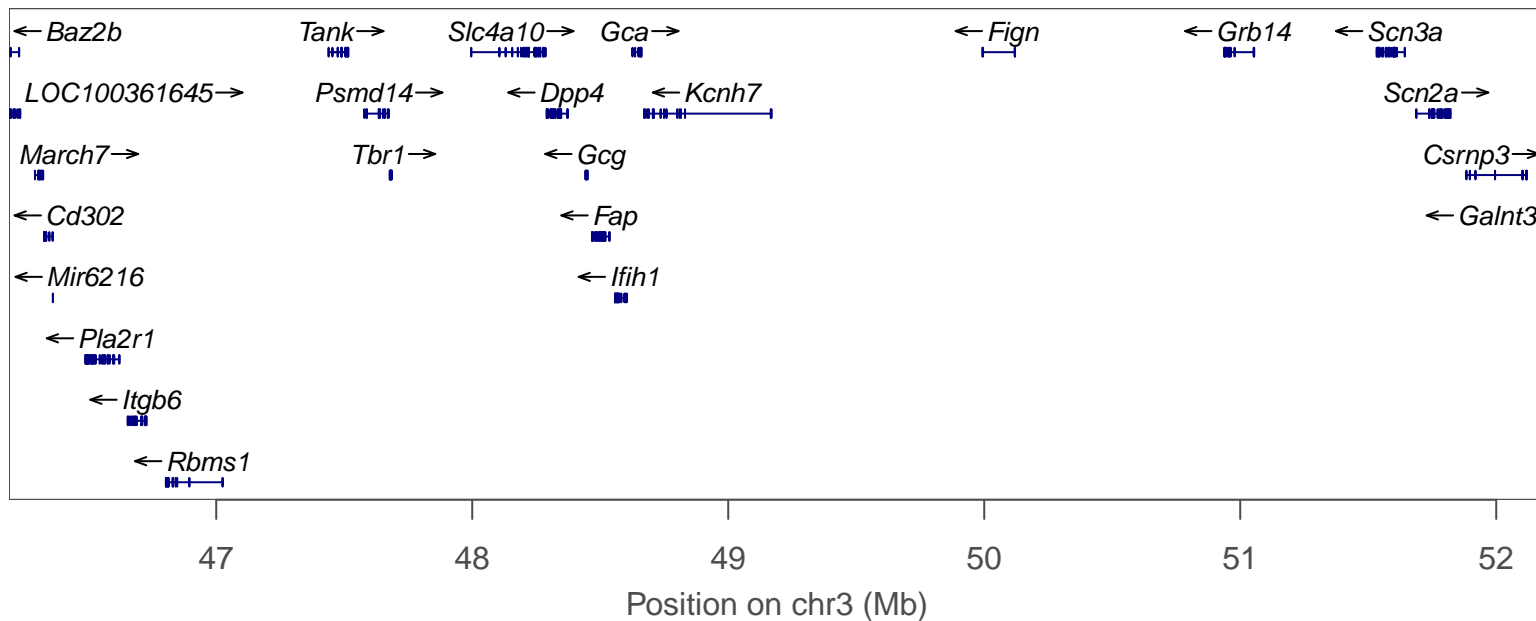
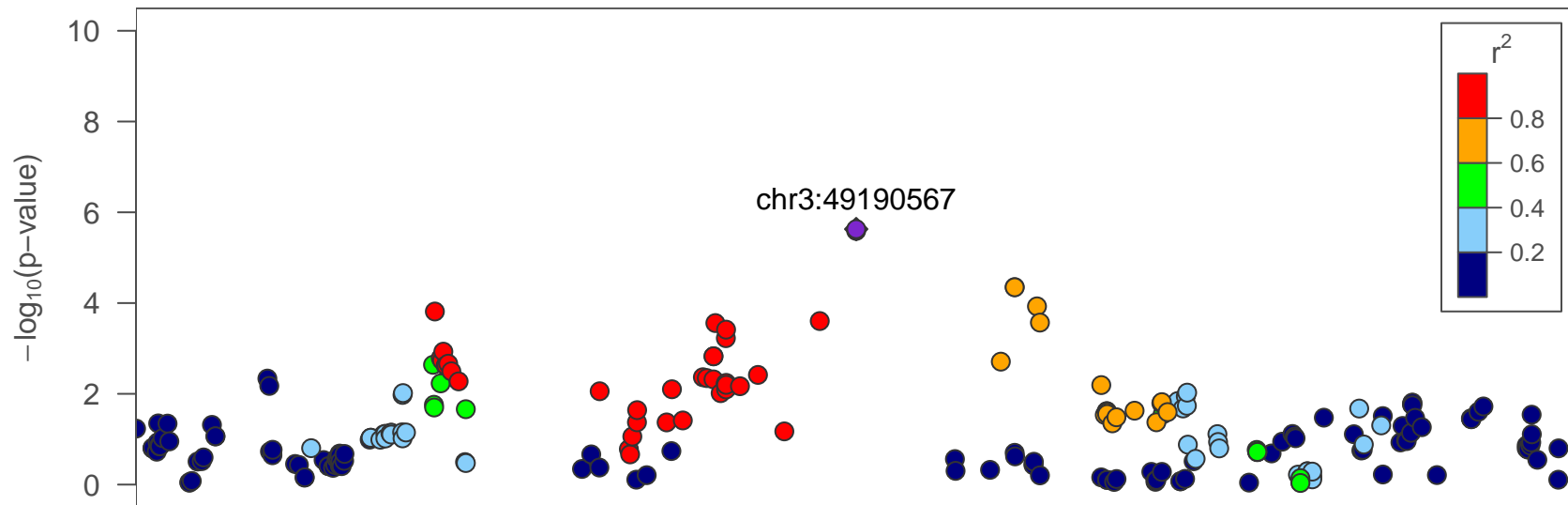
omitted Genes: Zfp57, RT1–M5, RT1–M4

omitted Genes: RT1–M6–1, RT1–M6–2, Znr1as1

omitted Genes: Ppp1r11, Trim10, Trim15

Make more plots at <http://csg.sph.umich.edu/locuszoom/>

omitted Genes: RT1–M1–5, RT1–T24–4, LOC360231



date: Fri Oct 12 05:14:25 2018

build: P50_round4

display range: chr3:46190567–52190567 [46190567–52190567]

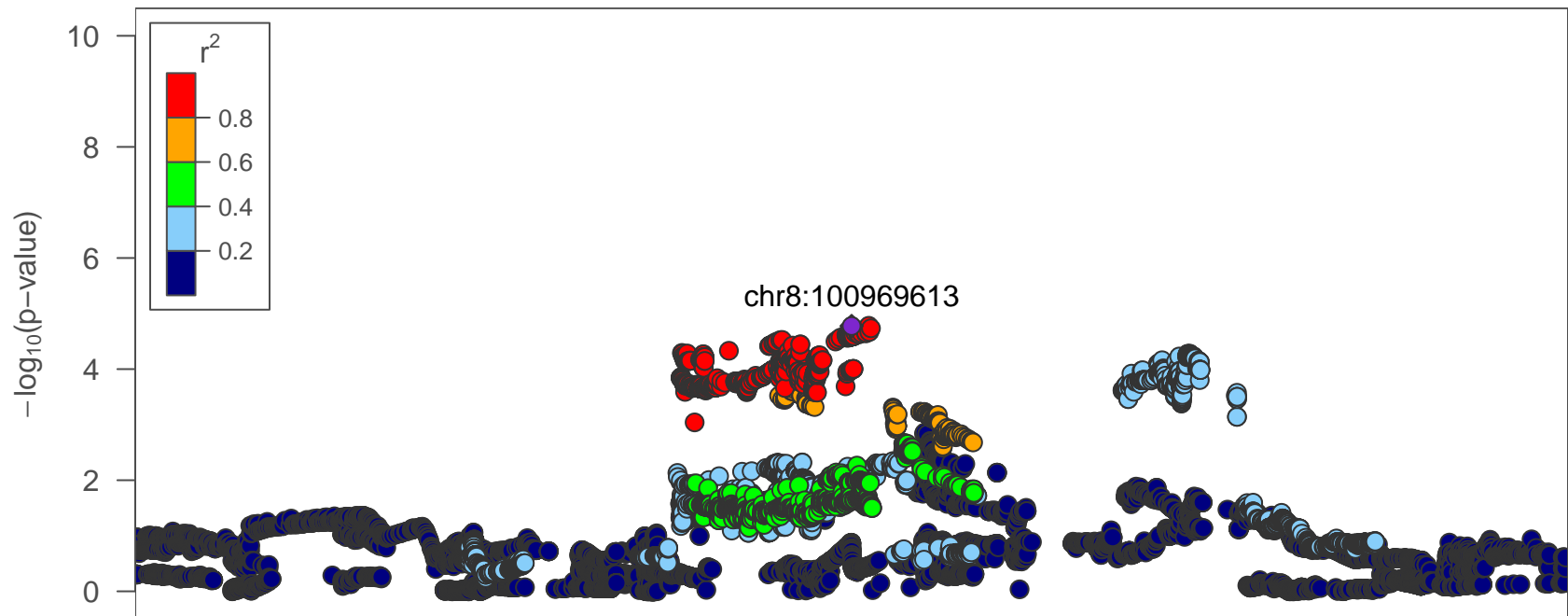
hilite range: 0 – 0 [0 – 0]

reference SNP: chr3:49190567

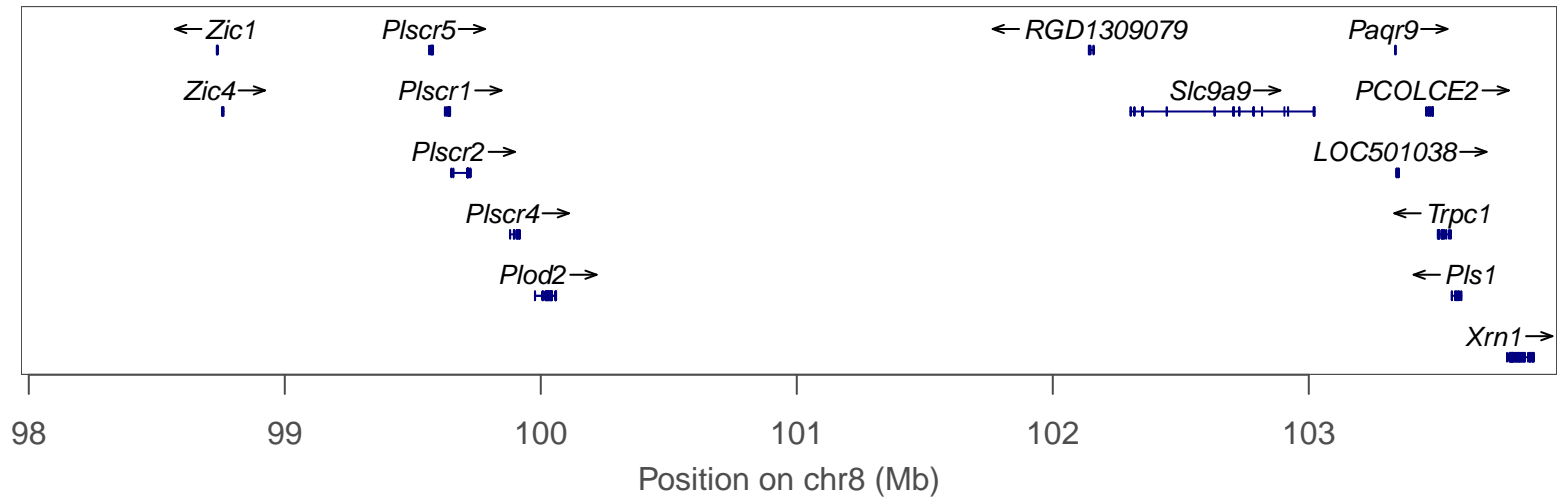
number of SNPs plotted: 231

min P-value: 2.35E–6 [chr3:49190567]

max P-value: 9.19E–1 [chr3:51040818]



Credible Set



date: Fri Oct 12 05:03:40 2018

build: P50_round4

display range: chr8:97969613–103969613 [97969613–103969613]

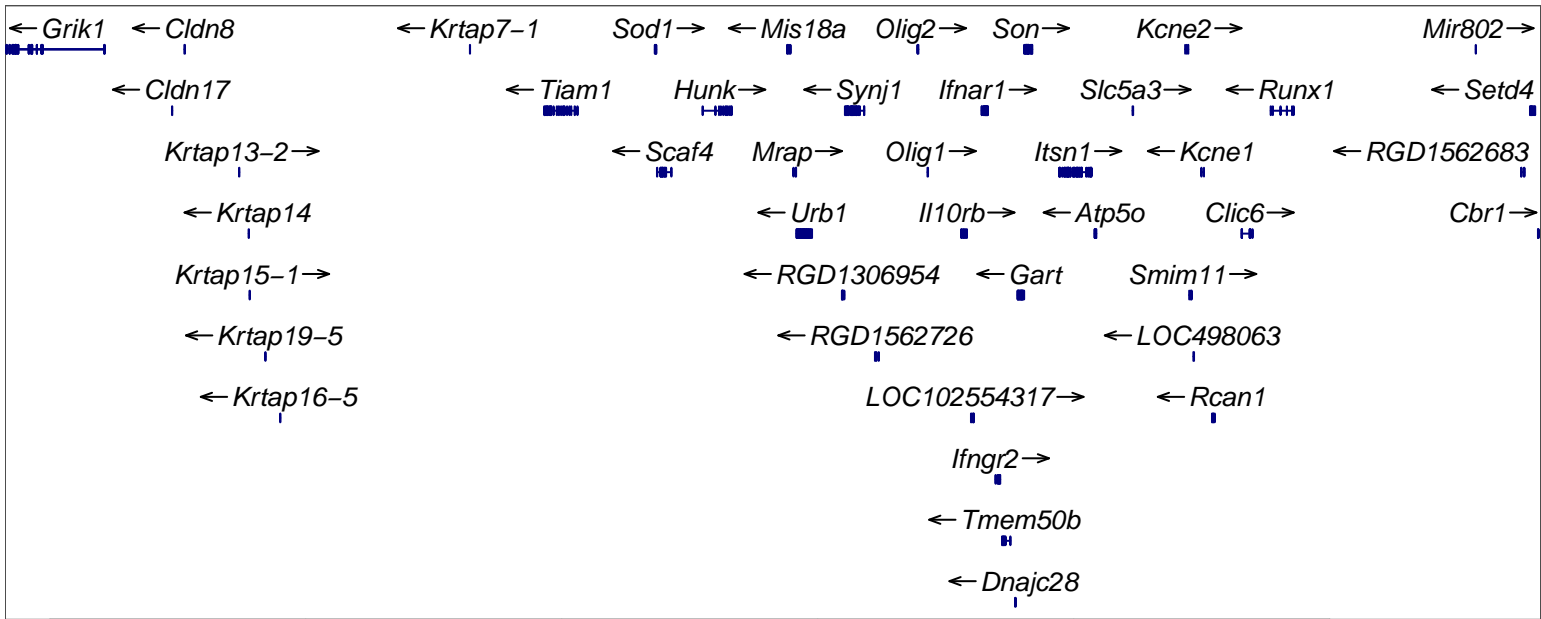
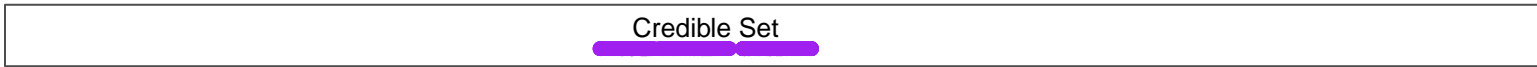
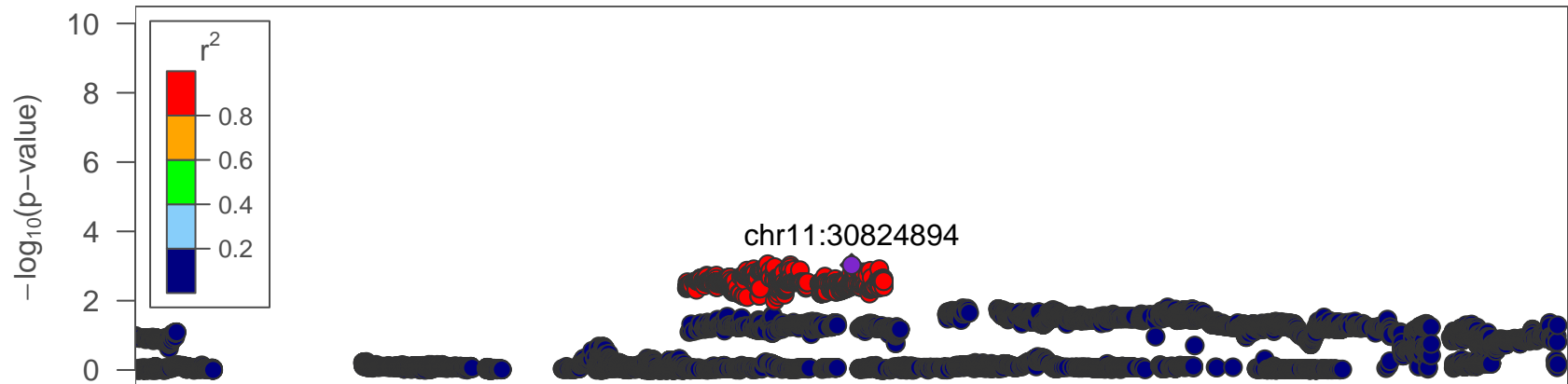
hilite range: 0 – 0 [0 – 0]

reference SNP: chr8:100969613

number of SNPs plotted: 13205

min P-value: 1.64E-5 [chr8:101066209]

max P-value: 10E-1 [chr8:100146814]



2 genes omitted



Position on chr11 (Mb)

date: Fri Oct 12 05:09:00 2018

build: P50_round4

display range: chr11:27824894–33824894 [27824894–33824894]

hilite range: 0 – 0 [0 – 0]

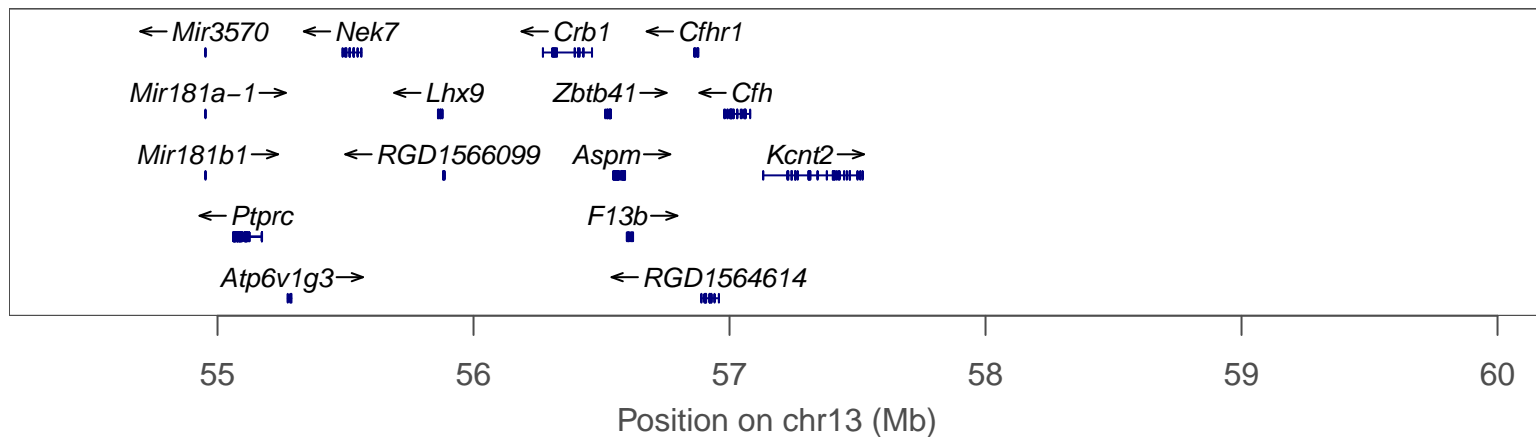
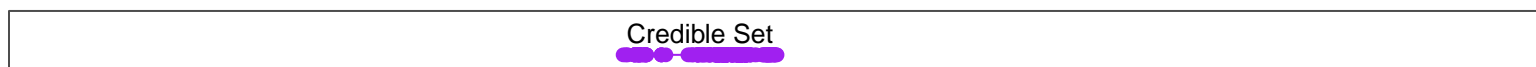
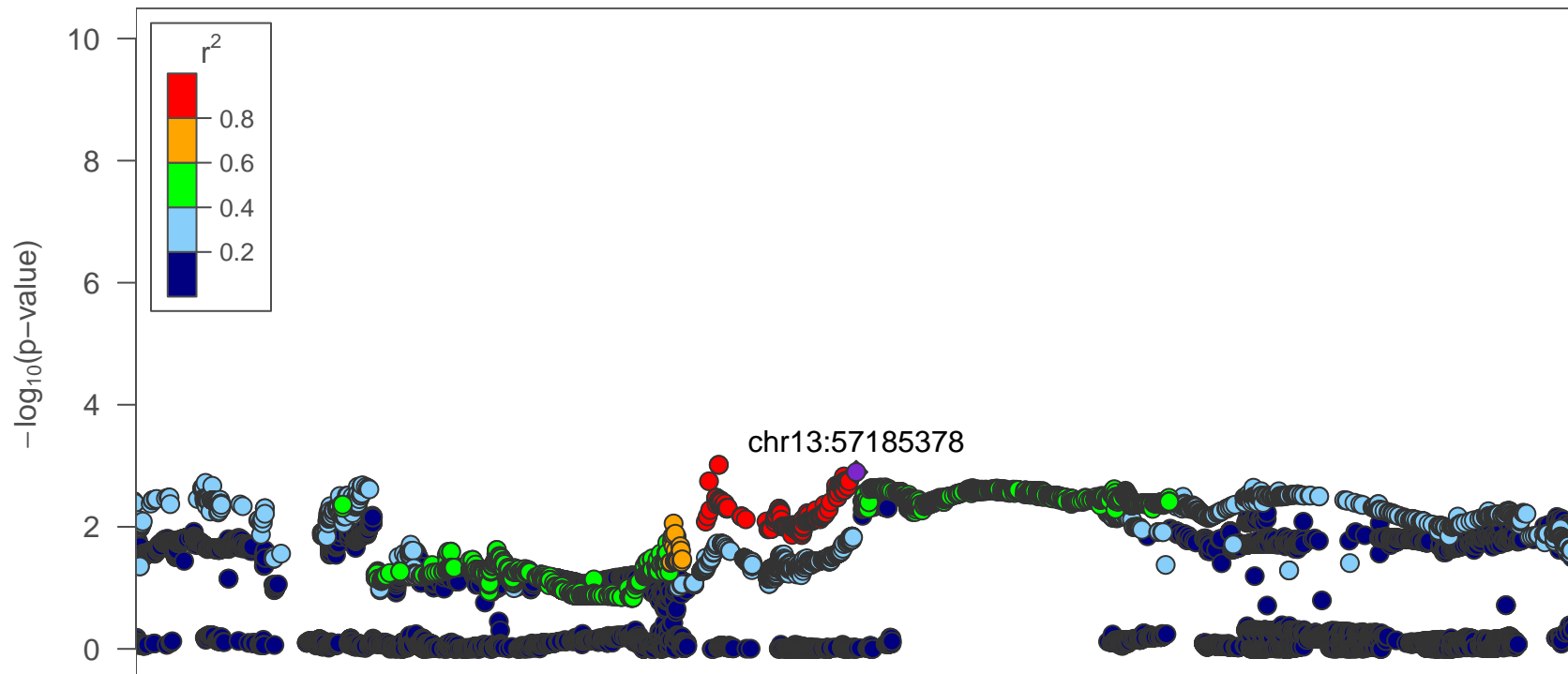
reference SNP: chr11:30824894

number of SNPs plotted: 10194

min P-value: 8.97E–4 [chr11:30488841]

max P-value: 10E–1 [chr11:27897962]

omitted Genes: Donson, Cryz1



date: Fri Oct 12 05:14:12 2018

build: P50_round4

display range: chr13:54185378–60185378 [54185378–60185378]

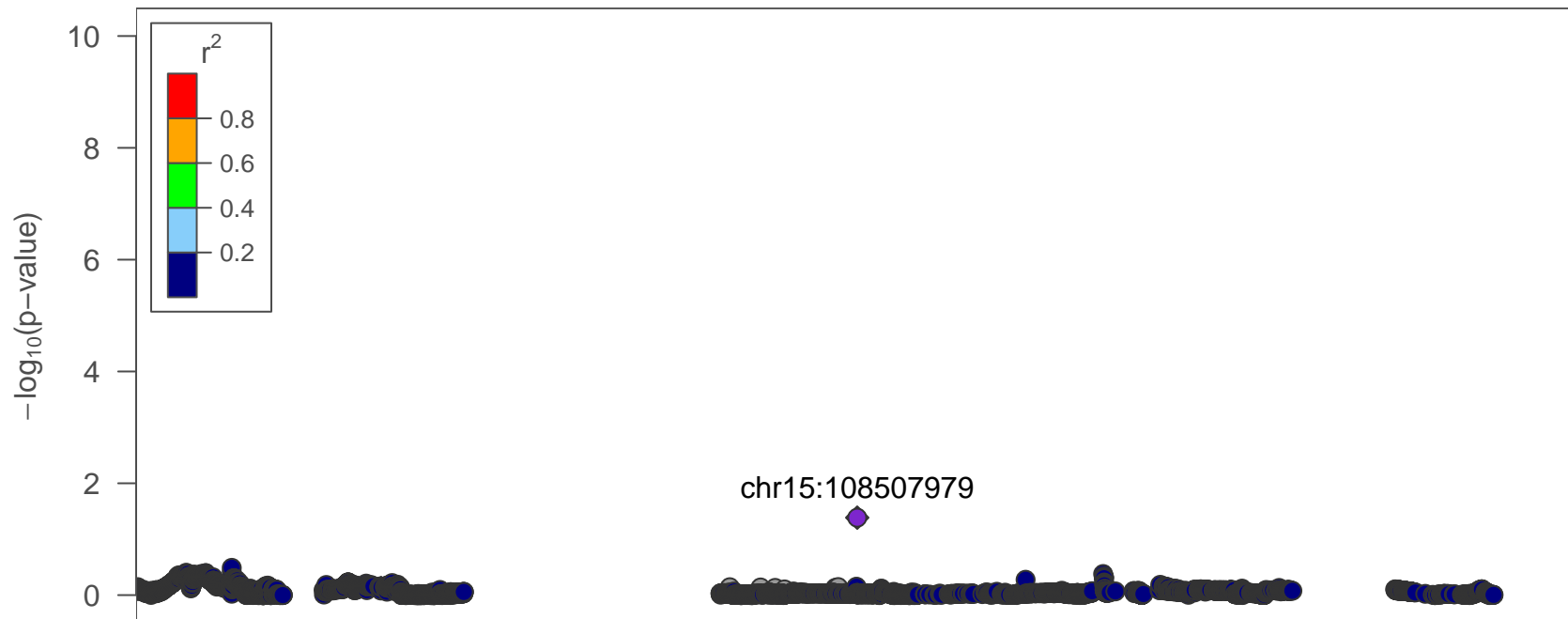
hilite range: 0 – 0 [0 – 0]

reference SNP: chr13:57185378

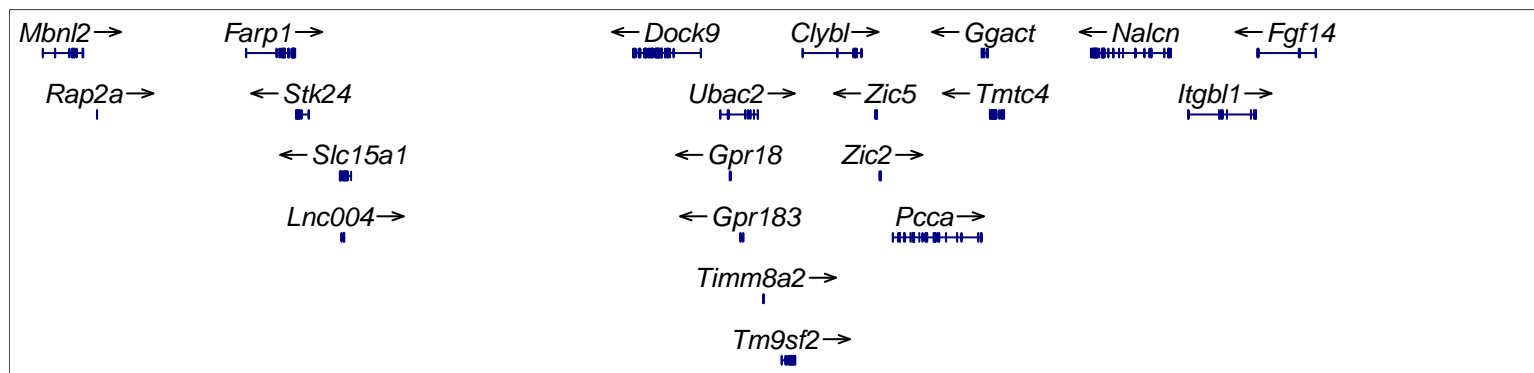
number of SNPs plotted: 13344

min P-value: $9.54E-4$ [chr13:56638561]

max P-value: $10E-1$ [chr13:56916845]



Credible Set



106

107

108

109

110

111

Position on chr15 (Mb)

date: Fri Oct 12 05:00:42 2018

build: P50_round4

display range: chr15:105507979–111507979 [105507979–111507979]

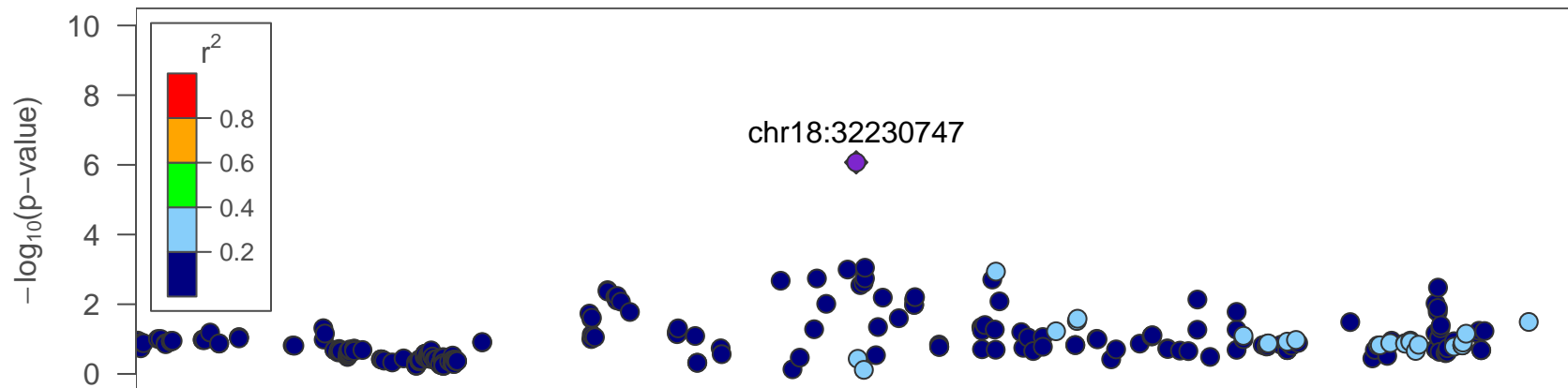
hilite range: 0 – 0 [0 – 0]

reference SNP: chr15:108507979

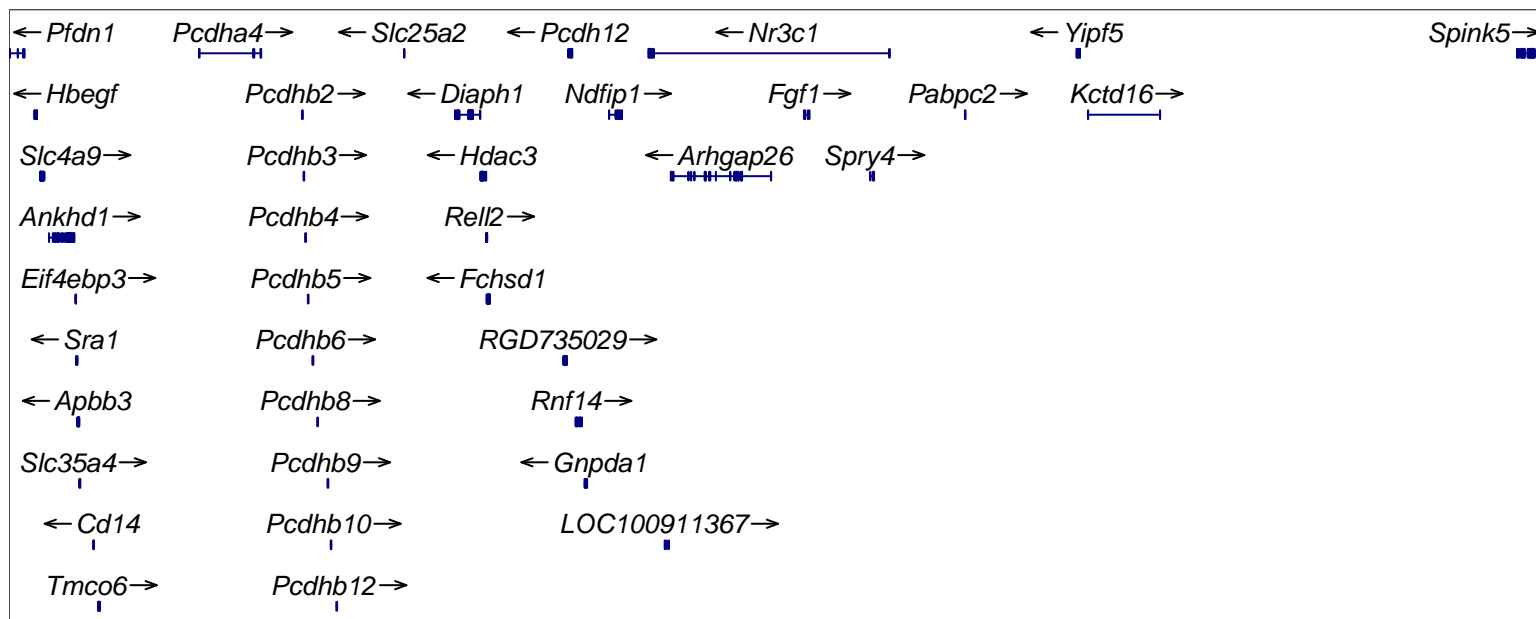
number of SNPs plotted: 4672

min P-value: 4.12E-2 [chr15:108507979]

max P-value: 10E-1 [chr15:108030272]



Credible Set



25 genes omitted

Position on chr18 (Mb)

date: Fri Oct 12 11:09:53 2018

build: P50_round4

display range: chr18:29230747–35230747 [29230747–35230747]

hilite range: 0 – 0 [0 – 0]

reference SNP: chr18:32230747

number of SNPs plotted: 274

min P-value: 8.47E-7 [chr18:32230747]

max P-value: 7.62E-1 [chr18:32262657]

omitted Genes: Ndufa2, Ik, Wdr55

omitted Genes: Dnd1, Hars, Hars2

omitted Genes: Zmat2, Pcdhb20, Pcdhb21

omitted Genes: Taf7, RGD1563159, Pcdhga1

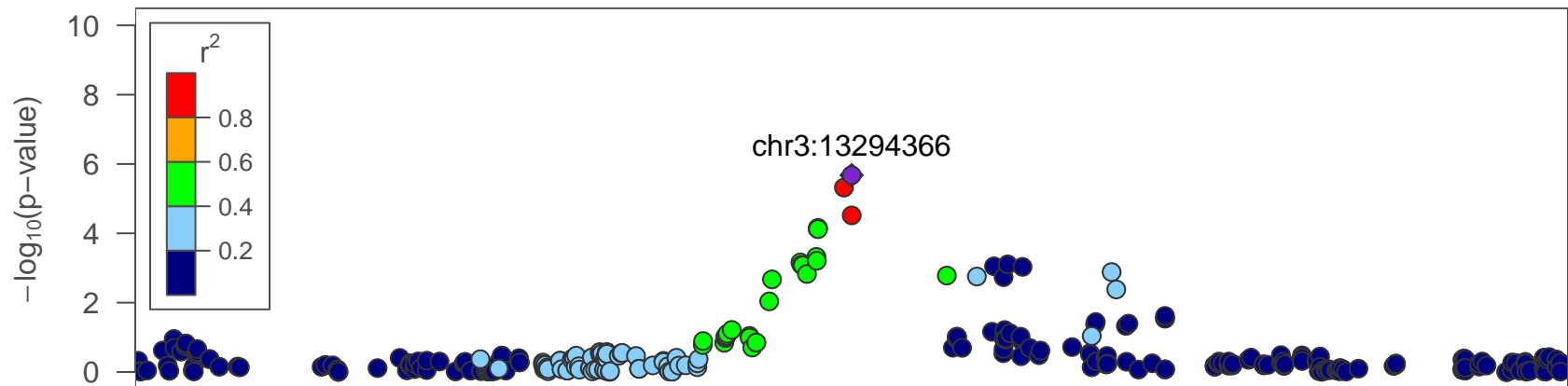
omitted Genes: Pcdhga2, Pcdhga3, Pcdhga5

omitted Genes: Pcdhga7, Pcdhga8, Pcdhga9

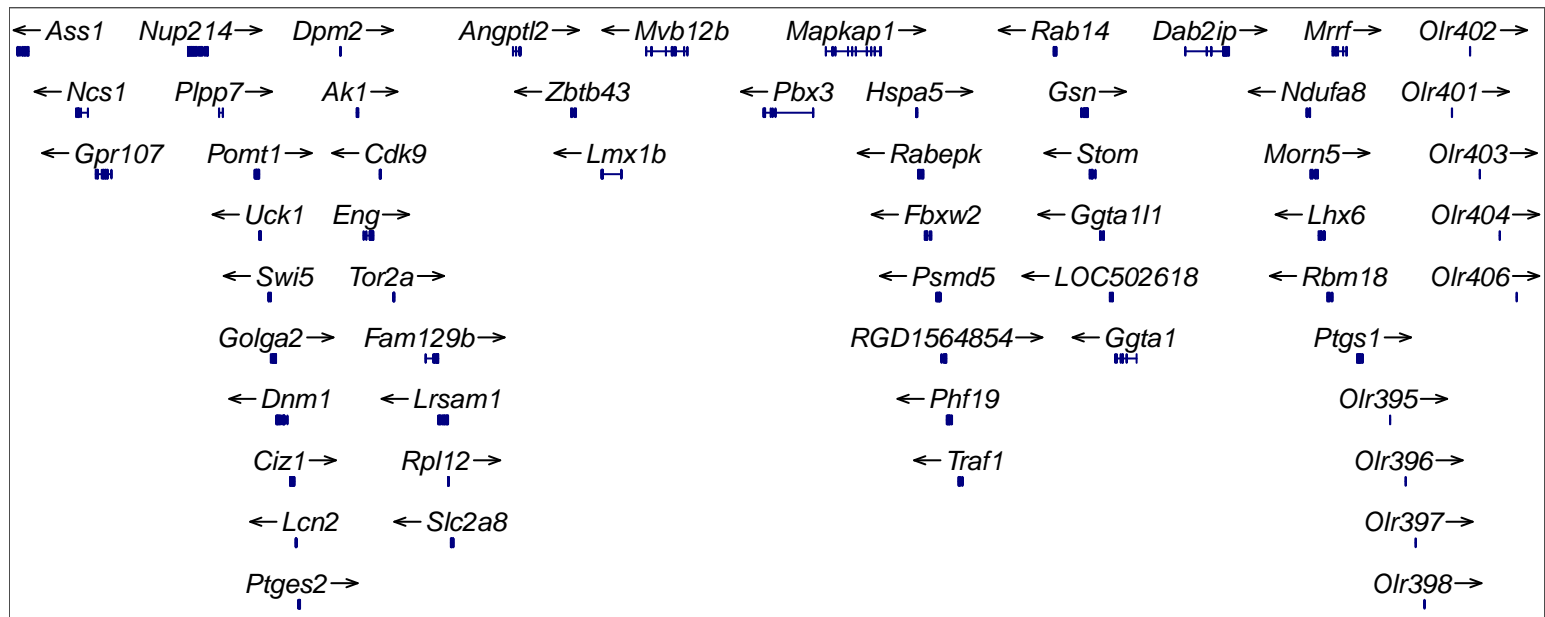
omitted Genes: Pcdhga10, Pcdhgb7, Pcdhga11

omitted Genes: Pcdhgb8, Pcdhga12, Pcdhgc3

omitted Genes: Pcdhgc5



Credible Set



10 genes omitted

11 12 13 14 15 16
Position on chr3 (Mb)

date: Fri Oct 12 11:15:34 2018

build: P50_round4

display range: chr3:10294366–16294366 [10294366–16294366]

hilite range: 0 – 0 [0 – 0]

reference SNP: chr3:13294366

number of SNPs plotted: 330

min P-value: 2.1E–6 [chr3:13294366]

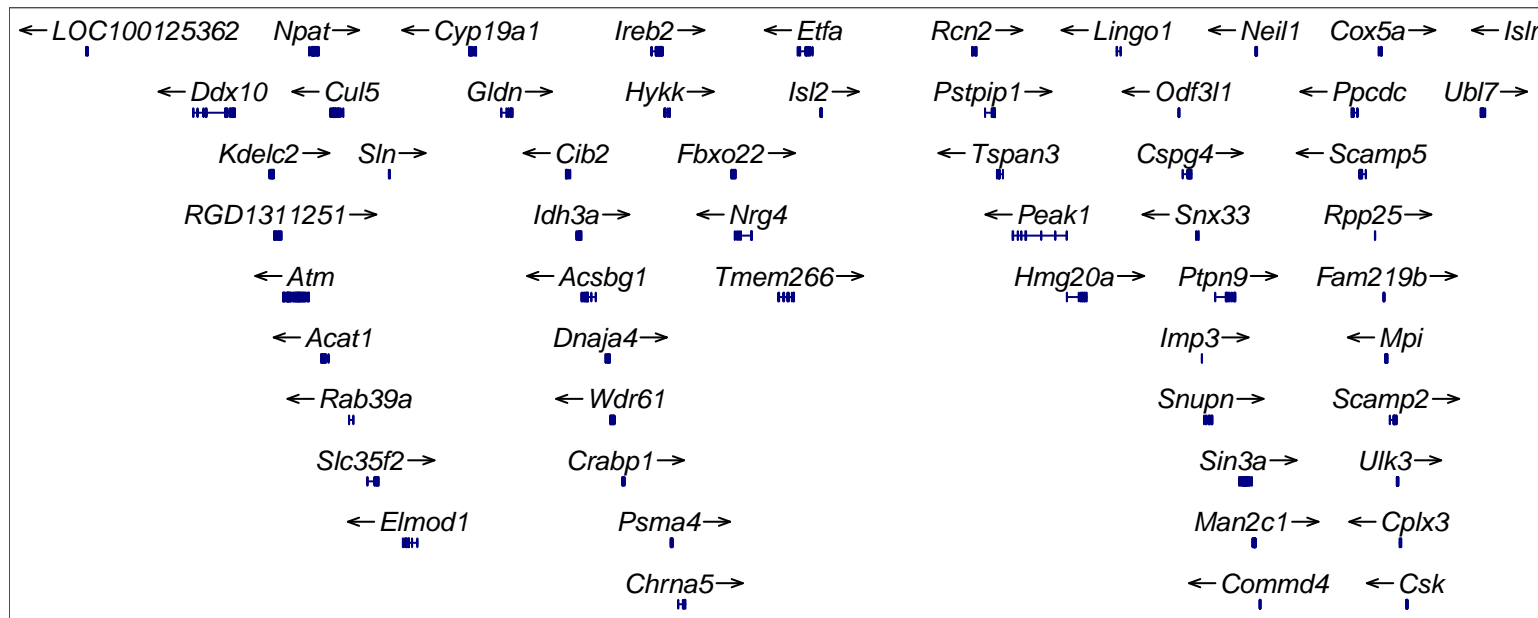
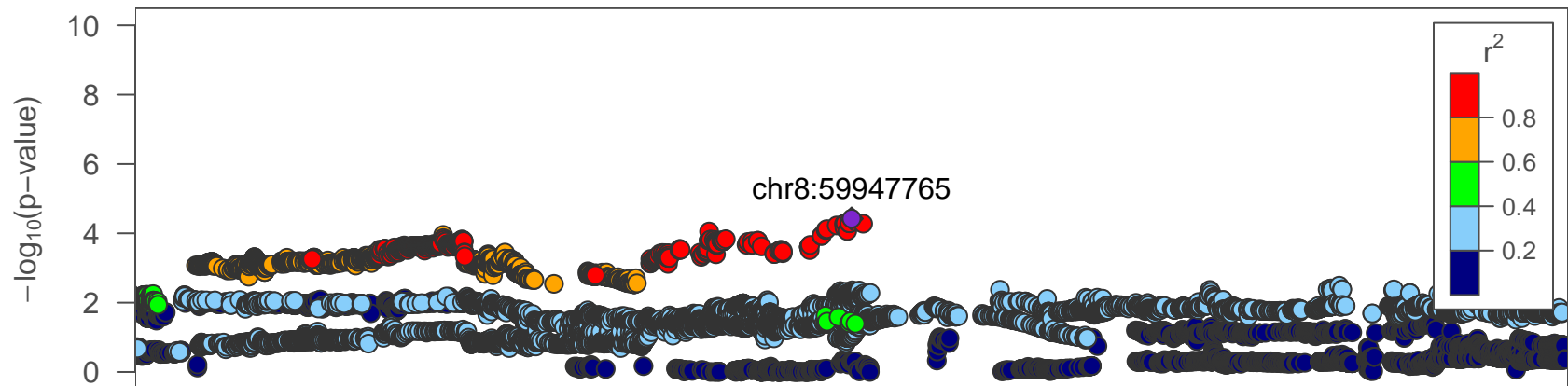
max P-value: 10E–1 [chr3:16035991]

omitted Genes: Slc25a25, St6galnac6, Fpgs

omitted Genes: Sh2d3c, Cfap157, Stxbp1

omitted Genes: Olr399, Olr400, Olr407

omitted Genes: Olr408



12 genes omitted

57

58

59

60

61

62

Position on chr8 (Mb)

date: Fri Oct 12 11:13:36 2018

build: P50_round4

display range: chr8:56947765–62947765 [56947765–62947765]

hilite range: 0 – 0 [0 – 0]

reference SNP: chr8:59947765

number of SNPs plotted: 10726

min P-value: 3.76E–5 [chr8:59947765]

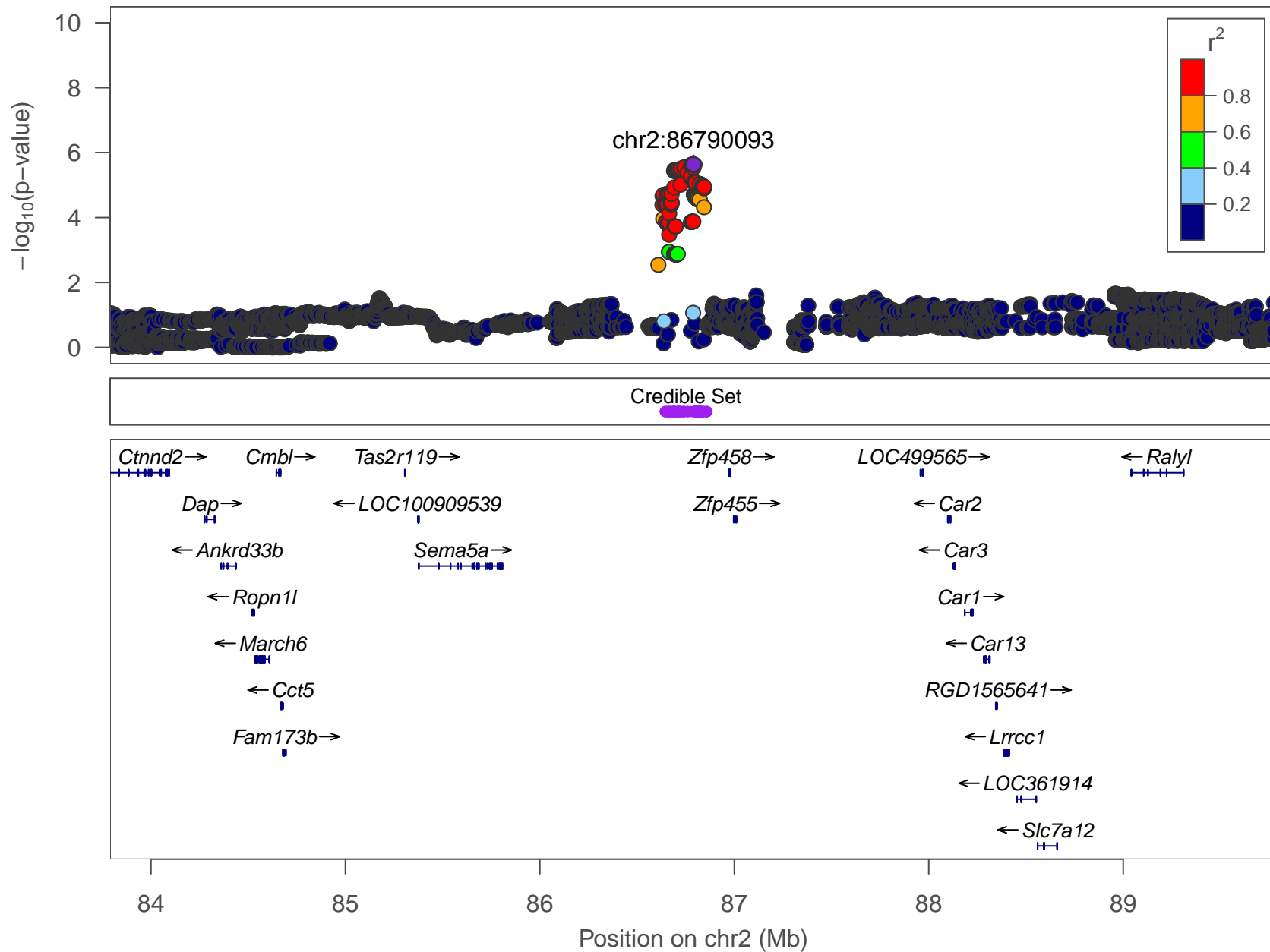
max P-value: 9.99E–1 [chr8:59763656]

omitted Genes: Chrna3, Chrnb4, RGD1305464

omitted Genes: Lman1l, Cyp1a2, Cyp1a1

omitted Genes: Clk3, Arid3b, Sema7a

omitted Genes: Cyp11a1, Ccdc33, Stra6



date: Fri Oct 12 11:21:01 2018

build: P50_round4

display range: chr2:83790093–89790093 [83790093–89790093]

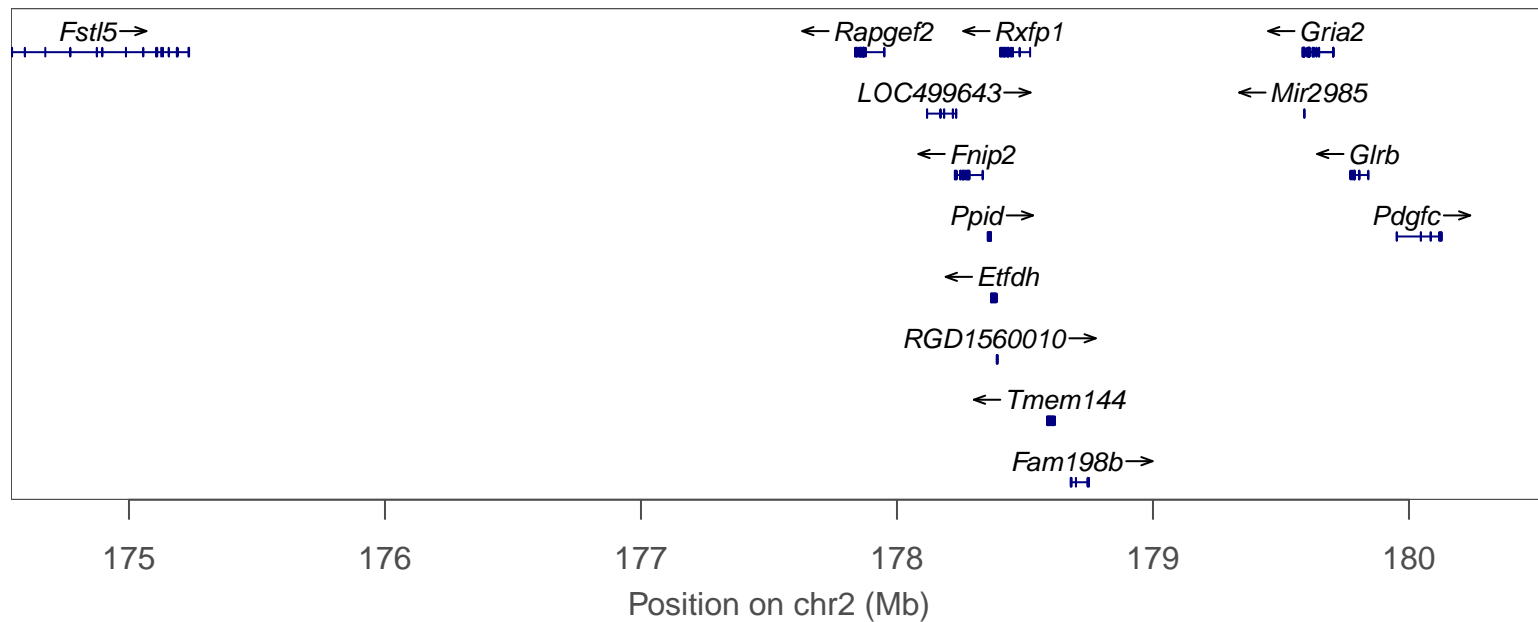
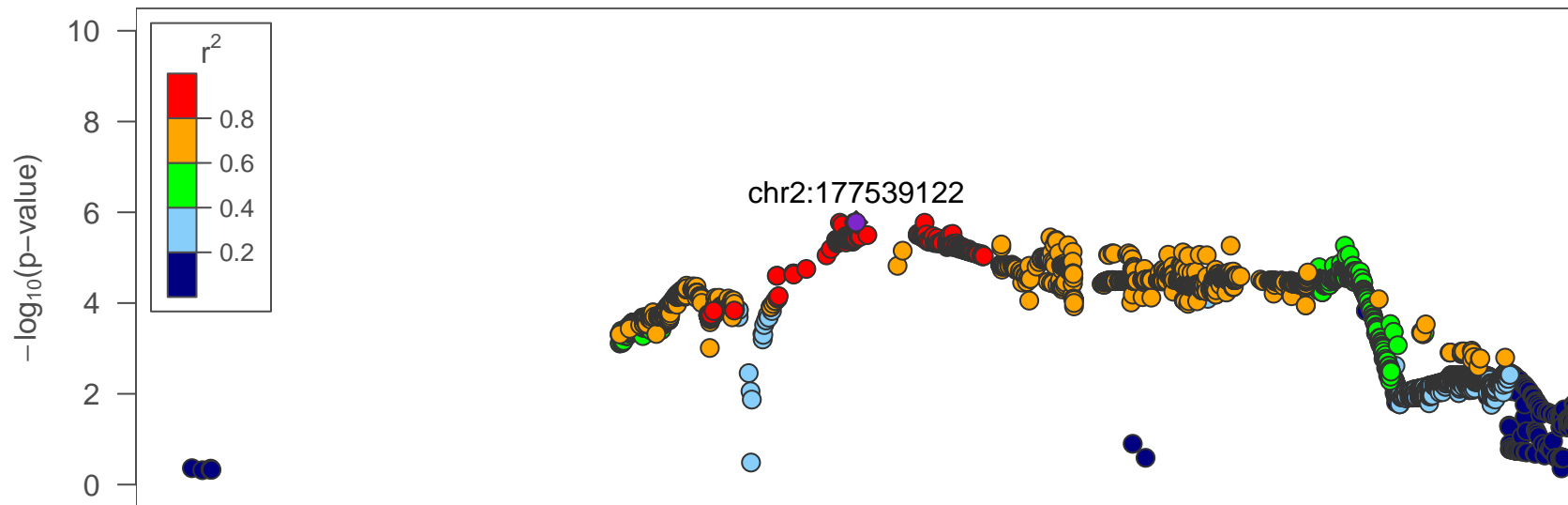
hilite range: 0 – 0 [0 – 0]

reference SNP: chr2:86790093

number of SNPs plotted: 10629

min P-value: 2.3E–6 [chr2:86790093]

max P-value: 9.99E–1 [chr2:84660156]



date: Fri Oct 12 11:23:13 2018

build: P50_round4

display range: chr2:174539122–180539122 [174539122–180539122]

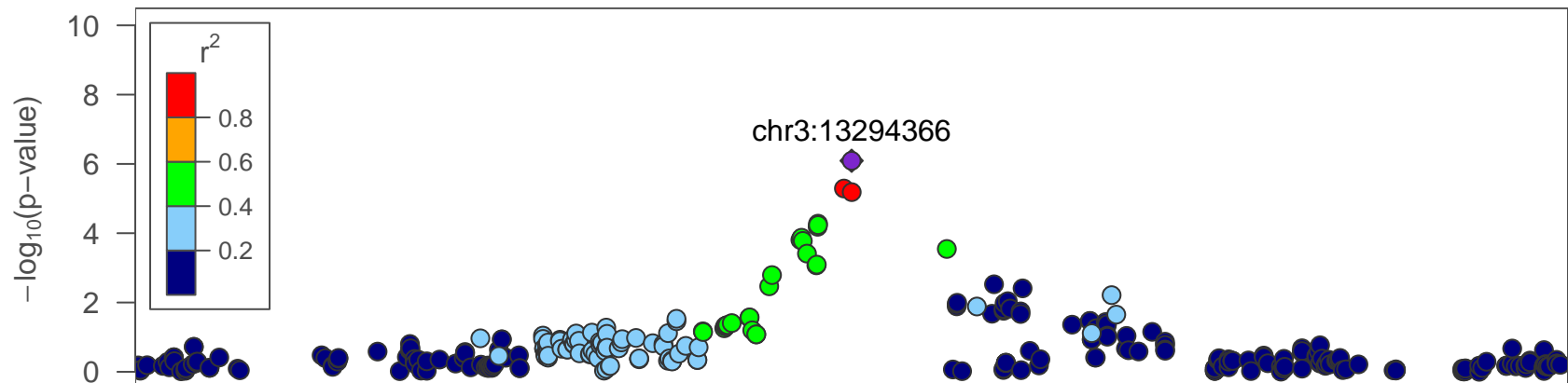
hilite range: 0 – 0 [0 – 0]

reference SNP: chr2:177539122

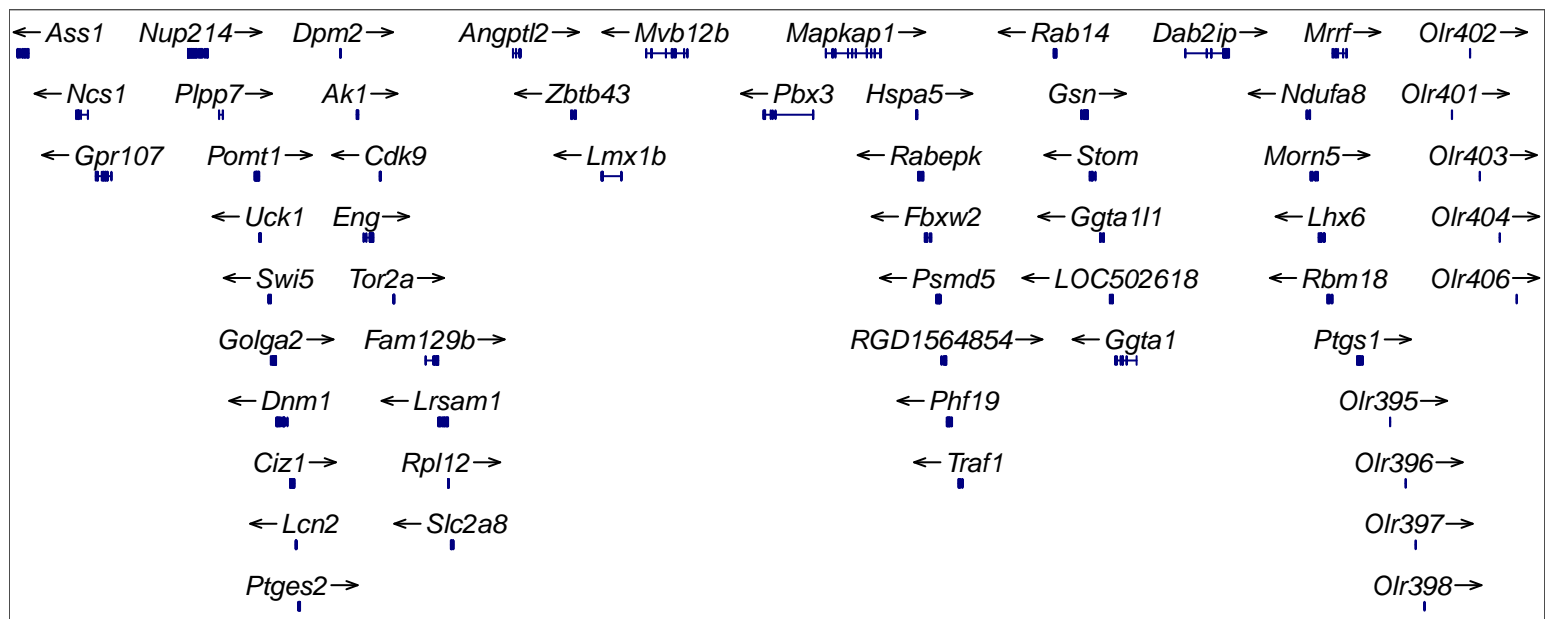
number of SNPs plotted: 3882

min P-value: 1.66E–6 [chr2:177539122]

max P-value: 4.8E–1 [chr2:174815867]



Credible Set



10 genes omitted

11 12 13 14 15 16
Position on chr3 (Mb)

date: Fri Oct 12 11:25:31 2018

build: P50_round4

display range: chr3:10294366–16294366 [10294366–16294366]

hilite range: 0 – 0 [0 – 0]

reference SNP: chr3:13294366

number of SNPs plotted: 330

min P-value: $8.1E-7$ [chr3:13294366]

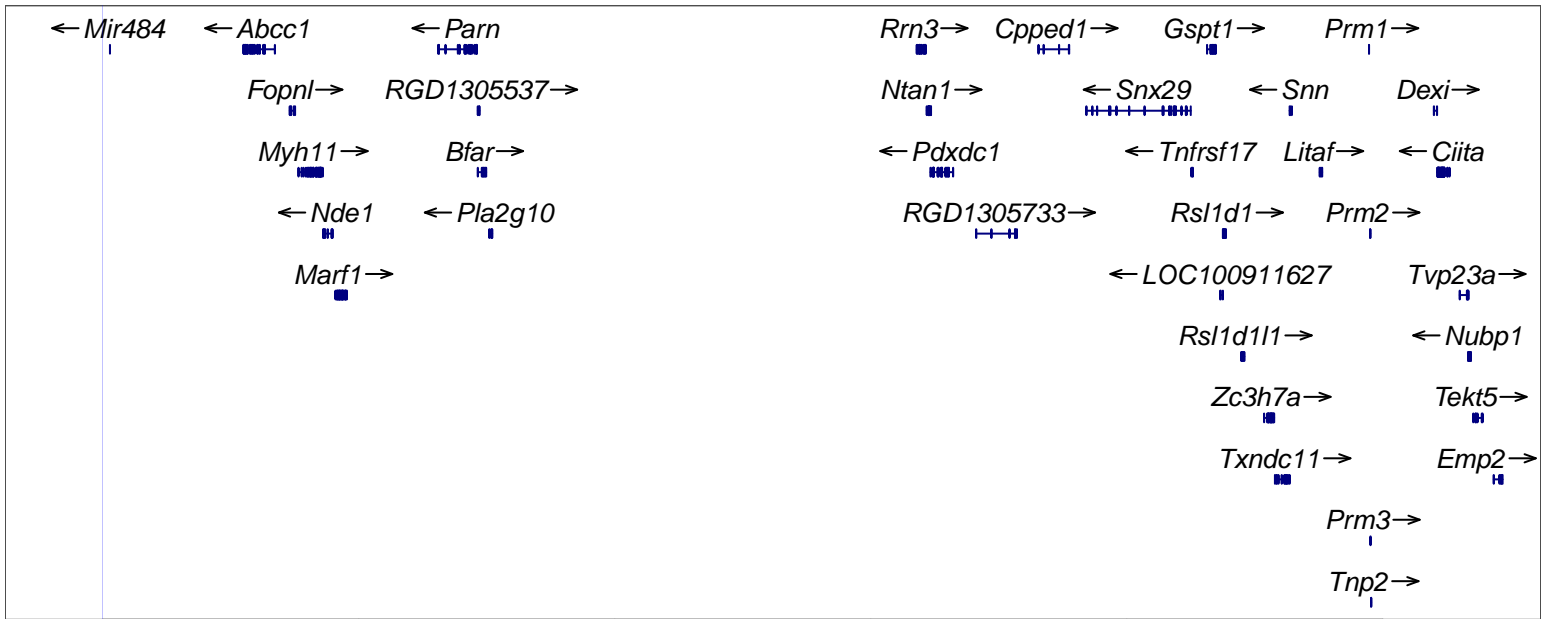
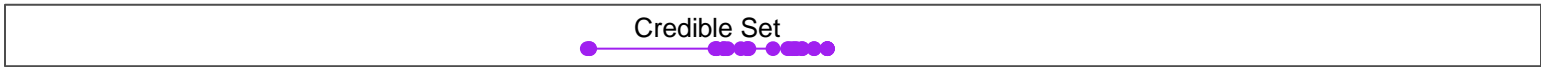
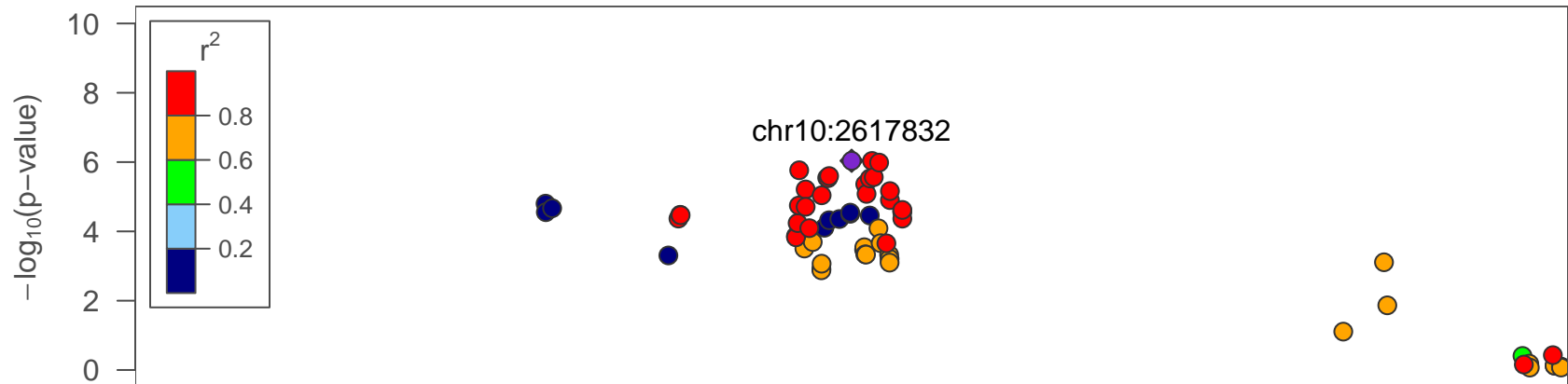
max P-value: $9.99E-1$ [chr3:15922472]

omitted Genes: Slc25a25, St6galnac6, Fpgs

omitted Genes: Sh2d3c, Cfap157, Stxbp1

omitted Genes: Olr399, Olr400, Olr407

omitted Genes: Olr408



3 genes omitted

Position on chr10 (Mb)

date: Fri Oct 12 11:25:37 2018

build: P50_round4

display range: chr10:-382168-5617832 [-382168-5617832]

hilite range: 0 - 0 [0 - 0]

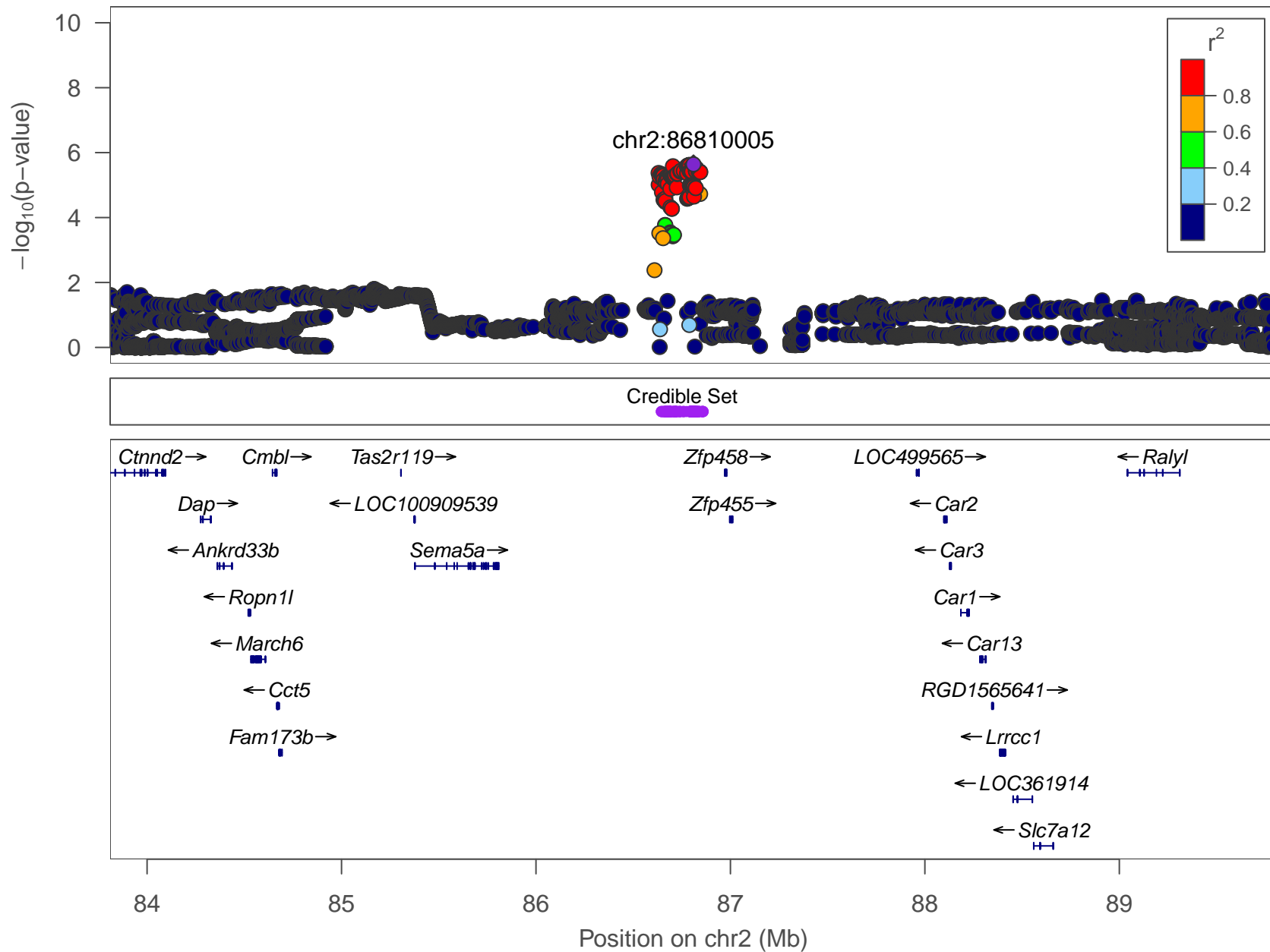
reference SNP: chr10:2617832

number of SNPs plotted: 68

min P-value: 9.16E-7 [chr10:2617832]

max P-value: 8.5E-1 [chr10:5457825]

omitted Genes: Socs1, Atf7ip2, Rpl39l



date: Fri Oct 12 11:27:53 2018

build: P50_round4

display range: chr2:83810005–89810005 [83810005–89810005]

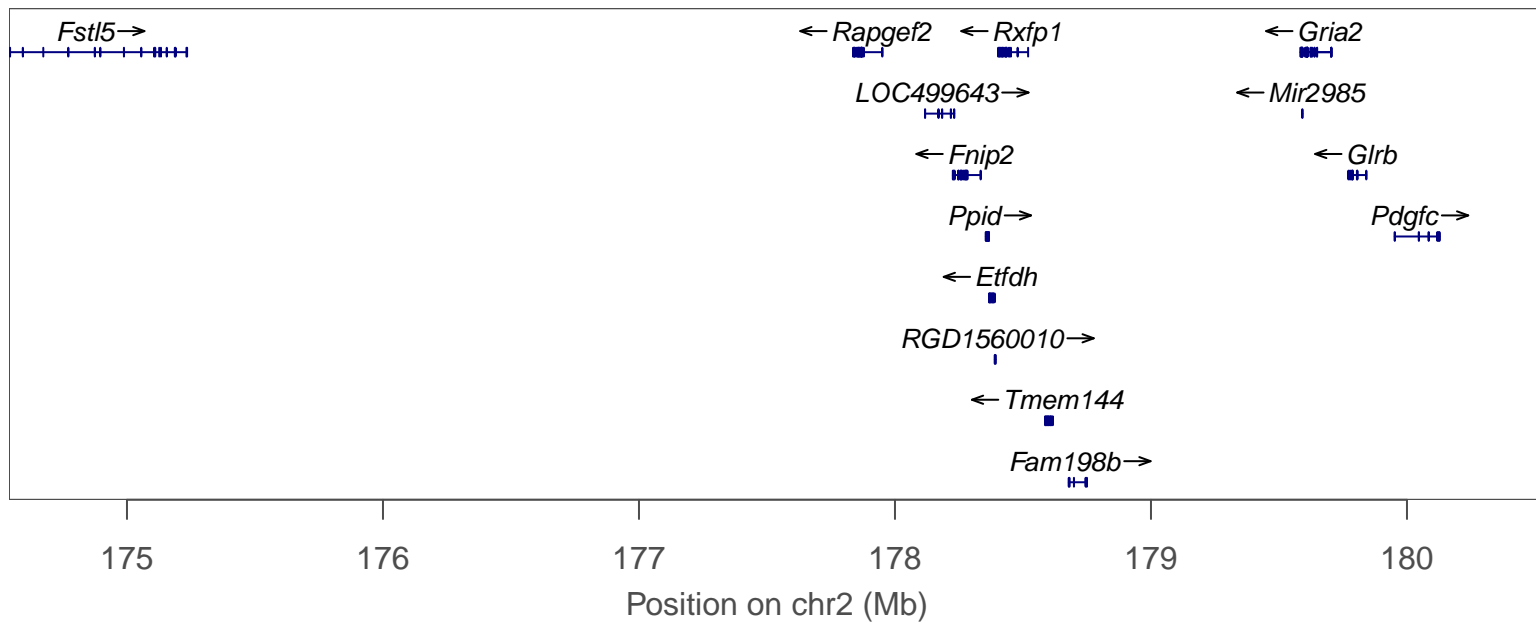
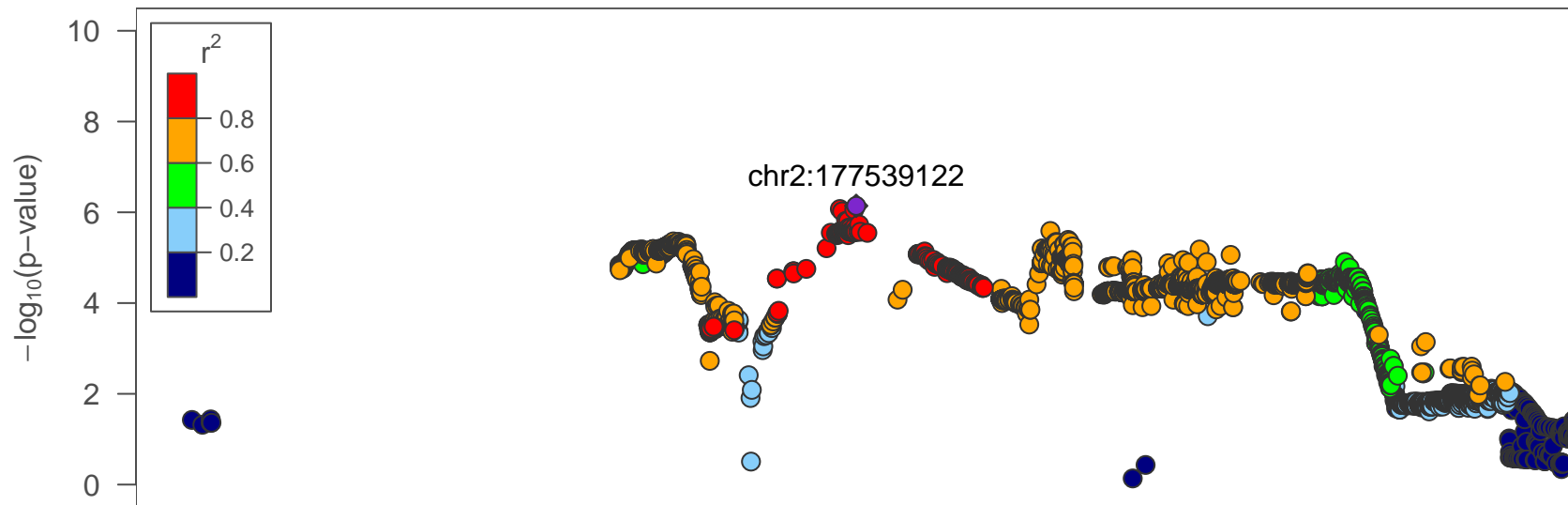
hilite range: 0 – 0 [0 – 0]

reference SNP: chr2:86810005

number of SNPs plotted: 10576

min P-value: 2.29E–6 [chr2:86810005]

max P-value: 10E–1 [chr2:83969887]



date: Fri Oct 12 11:28:21 2018

build: P50_round4

display range: chr2:174539122–180539122 [174539122–180539122]

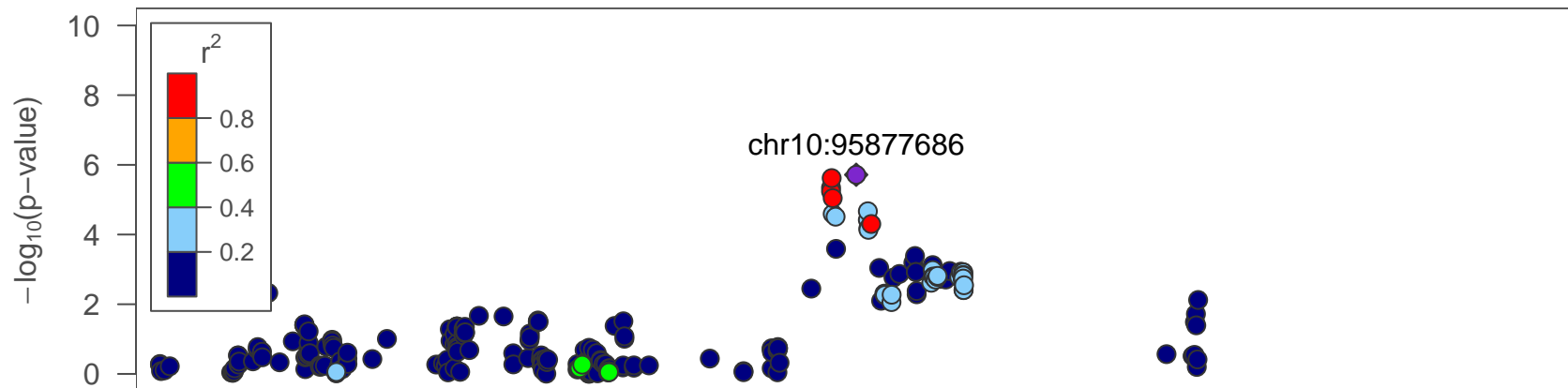
hilite range: 0 – 0 [0 – 0]

reference SNP: chr2:177539122

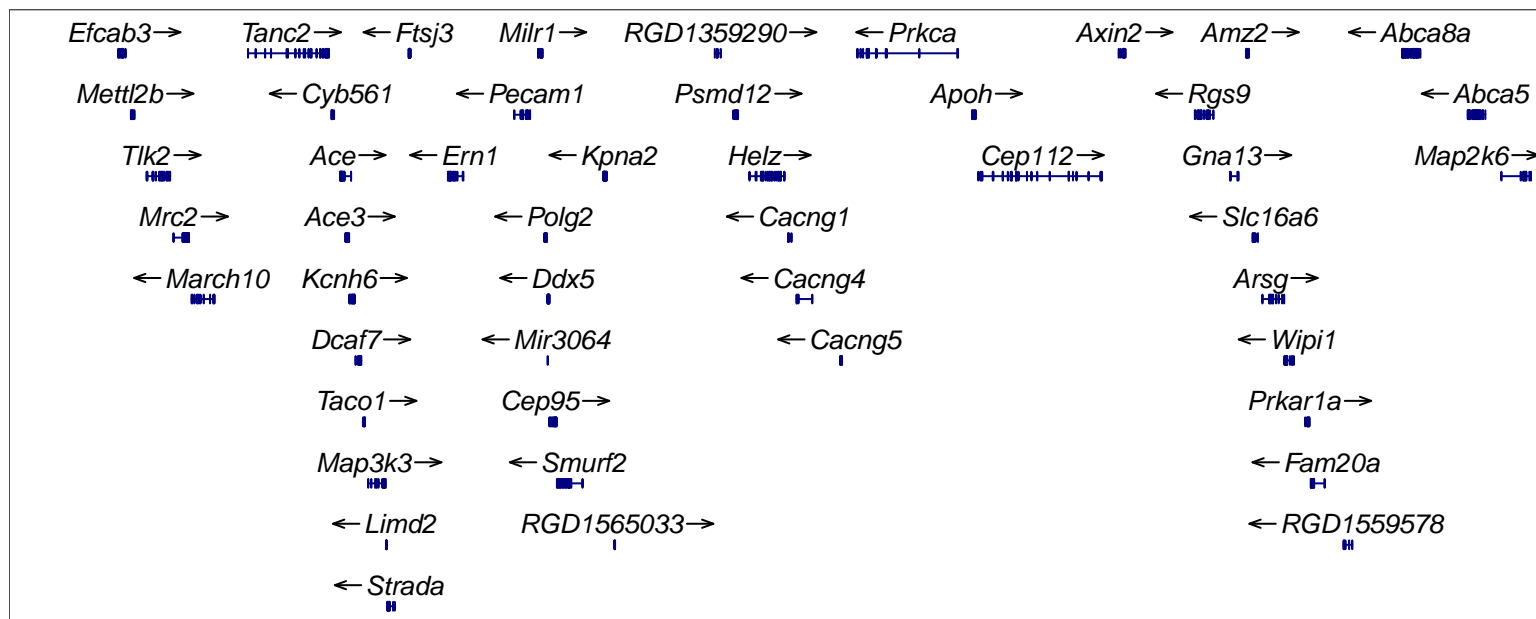
number of SNPs plotted: 3882

min P-value: 7.2E-7 [chr2:177539122]

max P-value: 7.3E-1 [chr2:178690866]



Credible Set



9 genes omitted

93 94 95 96 97 98
Position on chr10 (Mb)

date: Fri Oct 12 11:32:26 2018

build: P50_round4

display range: chr10:92877686–98877686 [92877686–98877686]

hilite range: 0 – 0 [0 – 0]

reference SNP: chr10:95877686

number of SNPs plotted: 234

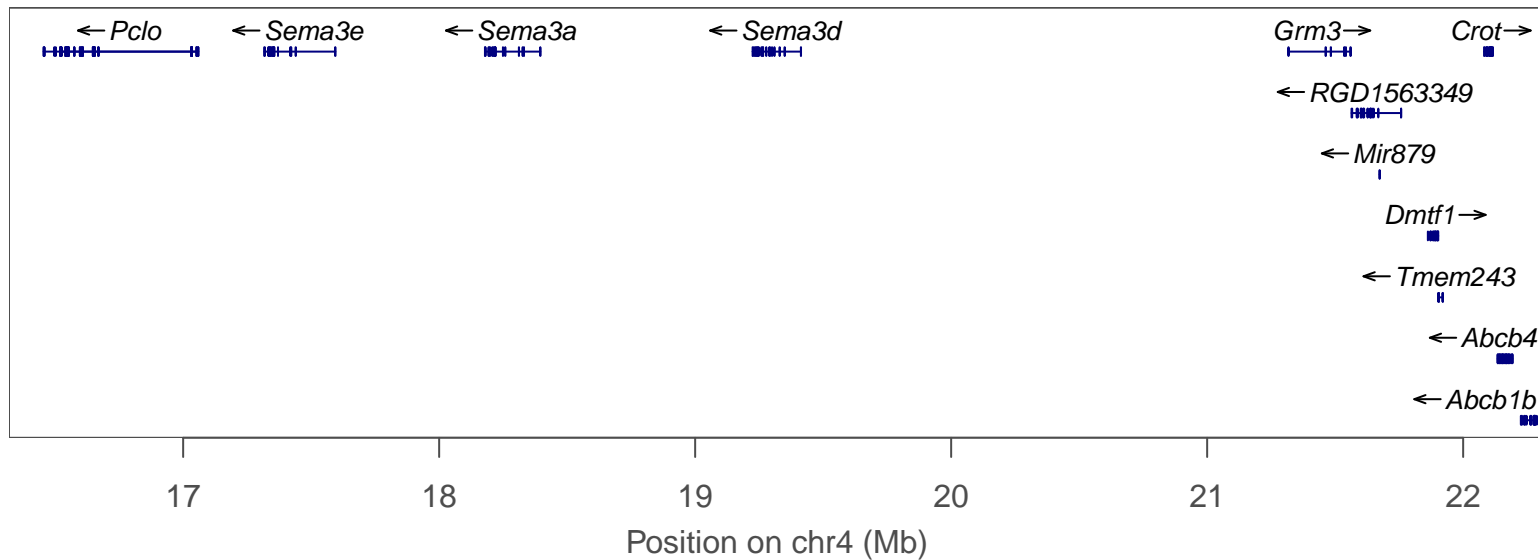
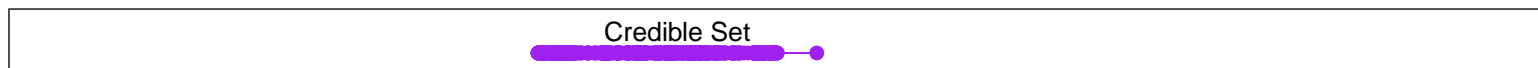
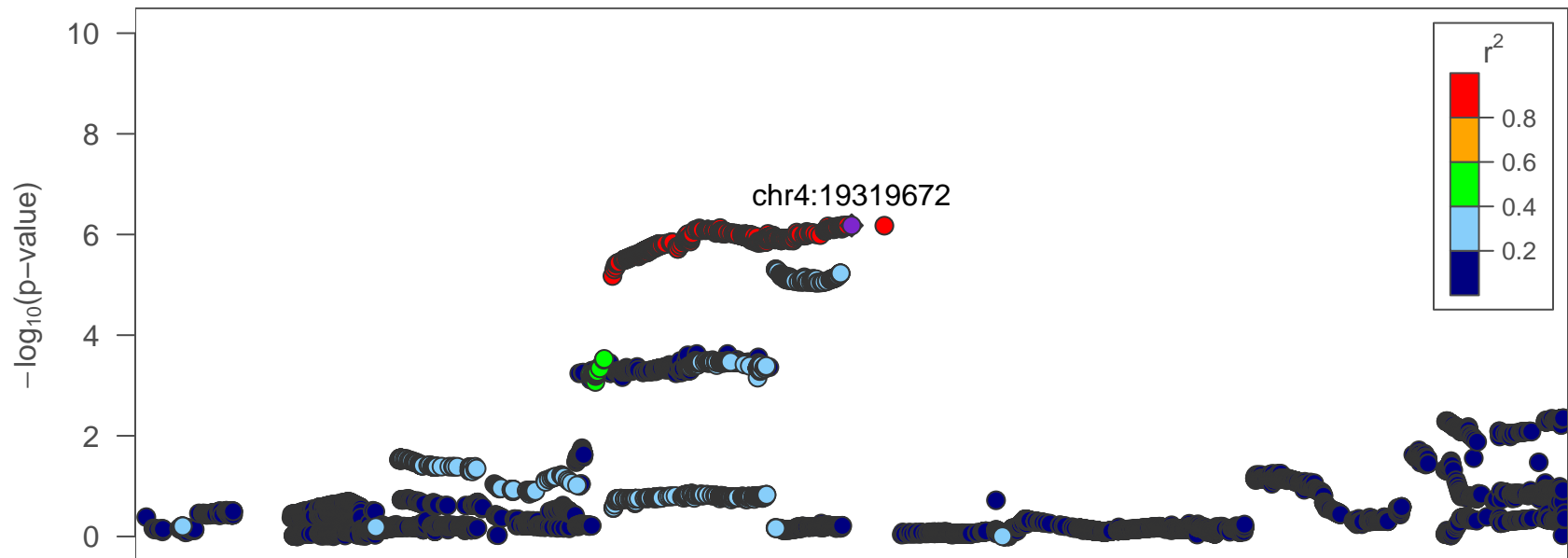
min P-value: 1.92E–6 [chr10:95877686]

max P-value: 9.93E–1 [chr10:94764372]

omitted Genes: Ccdc47, Ddx42, Psmc5

omitted Genes: Smarcd2, Tcam1, Gh1

omitted Genes: Cd79b, Scn4a, Icam2



date: Fri Oct 12 11:34:59 2018

build: P50_round4

display range: chr4:16319672–22319672 [16319672–22319672]

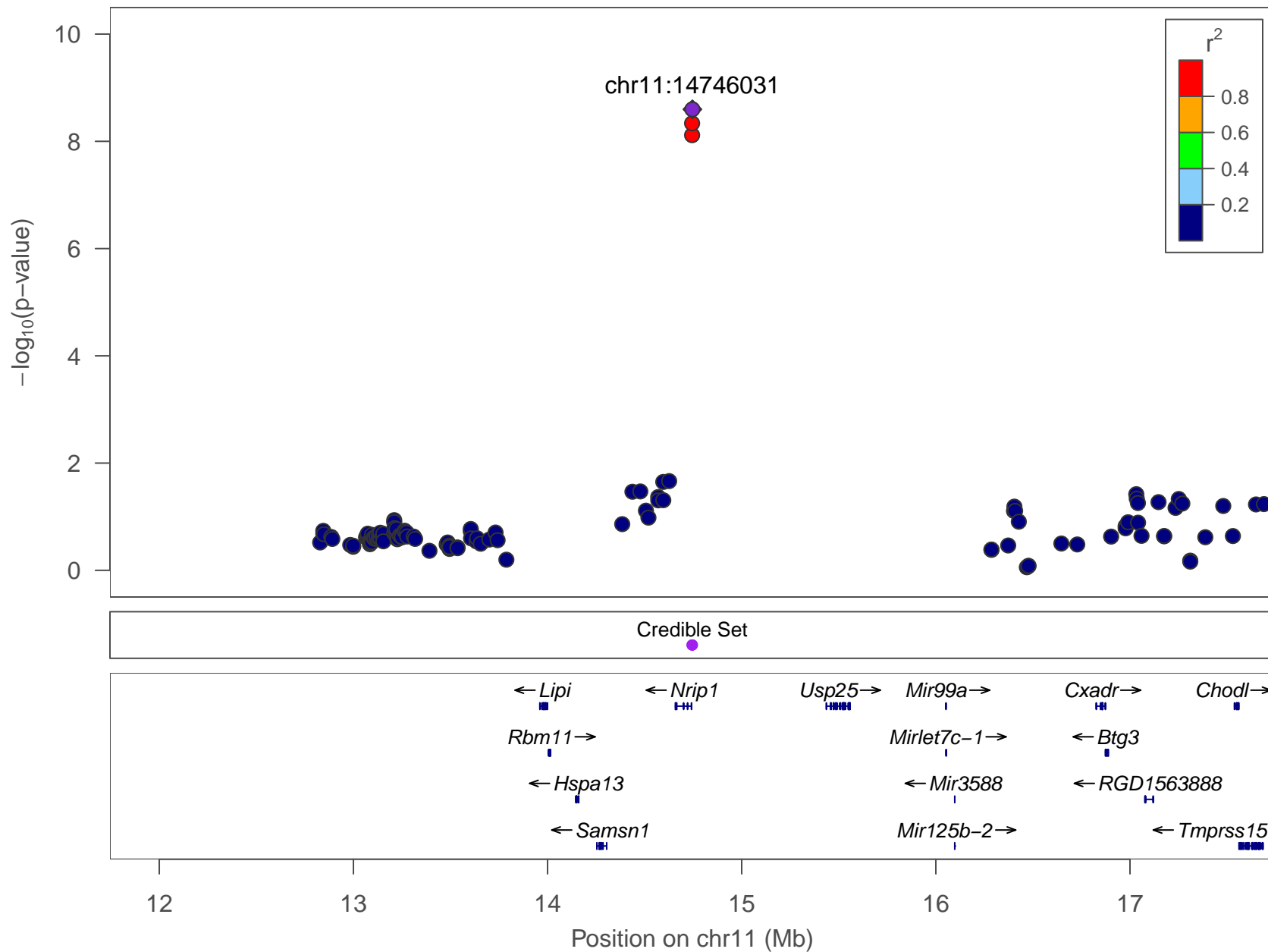
hilite range: 0 – 0 [0 – 0]

reference SNP: chr4:19319672

number of SNPs plotted: 9416

min P-value: 6.61E-7 [chr4:19319672]

max P-value: 10E-1 [chr4:19983004]



date: Fri Oct 12 11:38:51 2018

build: P50_round4

display range: chr11:11746031–17746031 [11746031–17746031]

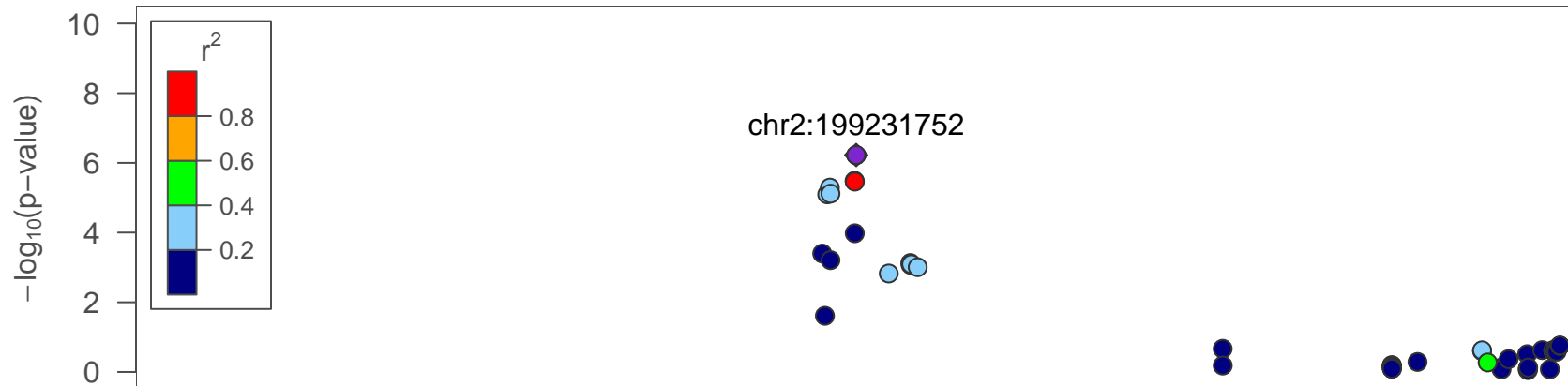
hilite range: 0 – 0 [0 – 0]

reference SNP: chr11:14746031

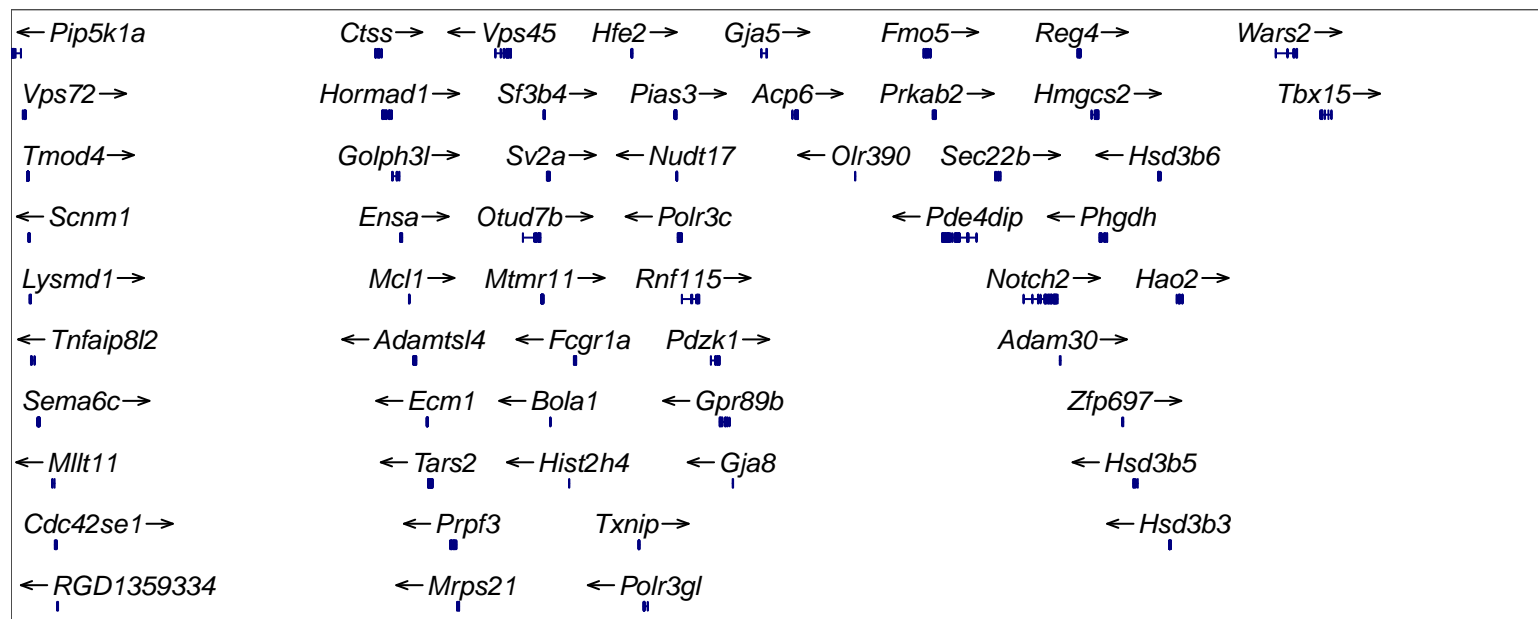
number of SNPs plotted: 125

min P-value: 2.53E–9 [chr11:14746031]

max P-value: 8.75E–1 [chr11:16468736]



Credible Set



20 genes omitted

197 198 199 200 201 202
Position on chr2 (Mb)

date: Fri Oct 12 11:38:58 2018

build: P50_round4

display range: chr2:196231752–202231752 [196231752–202231752]

hilite range: 0 – 0 [0 – 0]

reference SNP: chr2:199231752

number of SNPs plotted: 50

min P-value: 5.96E–7 [chr2:199231752]

max P-value: 8.88E–1 [chr2:202029482]

omitted Genes: Bnpl, Prune, Fam63a

omitted Genes: Cers2, Setdb1, Arnt

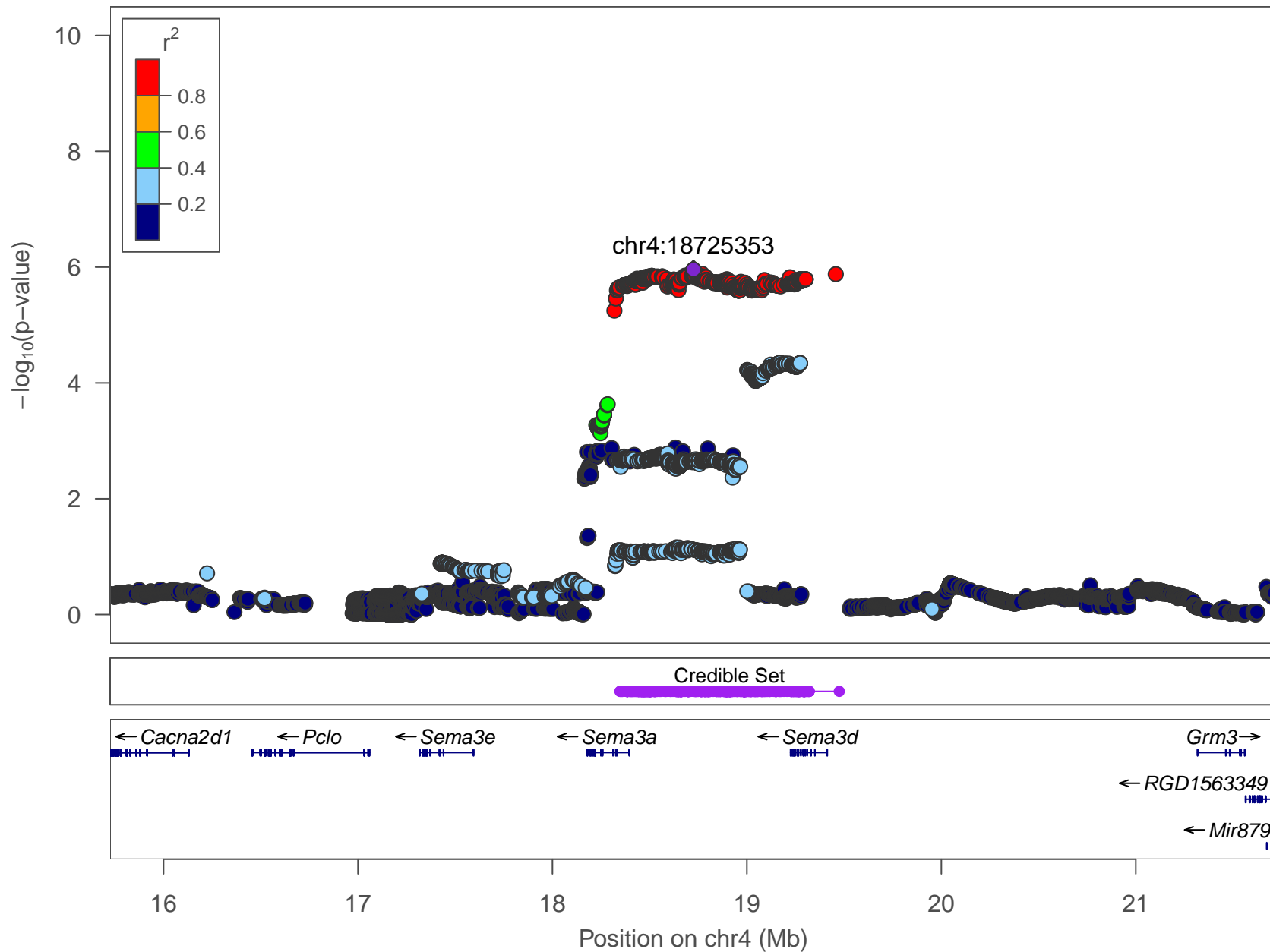
omitted Genes: Ctsk, Ciart, Aph1a

omitted Genes: Car14, Anp32e, Plekho1

omitted Genes: Hist2h2ab, Hist2h2aa3, Hist2h3c2

omitted Genes: Ankrd34a, Lix1l, Rbm8a

omitted Genes: Pex11b, Itga10



date: Fri Oct 12 11:43:59 2018

build: P50_round4

display range: chr4:15725353–21725353 [15725353–21725353]

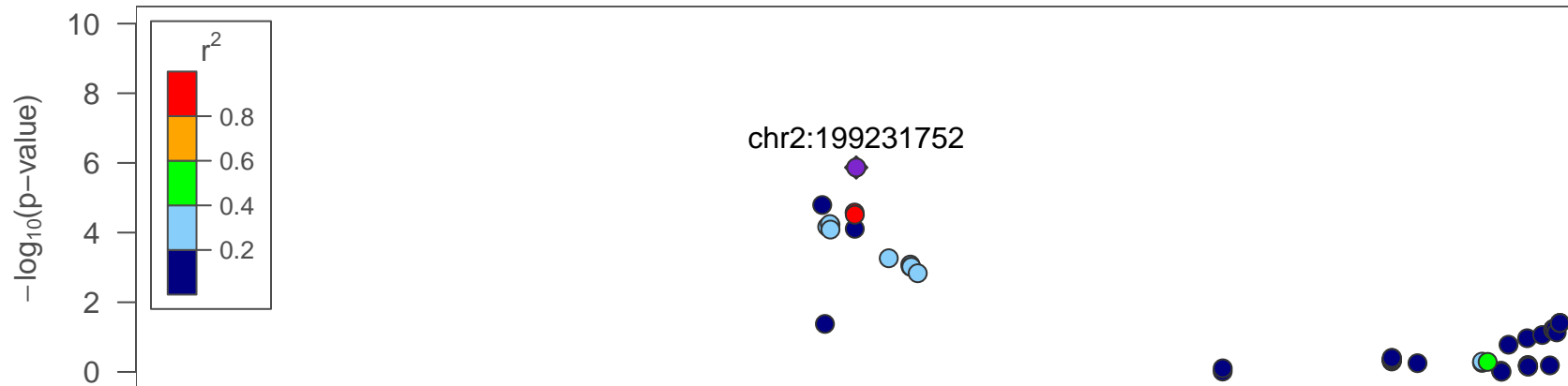
hilite range: 0 – 0 [0 – 0]

reference SNP: chr4:18725353

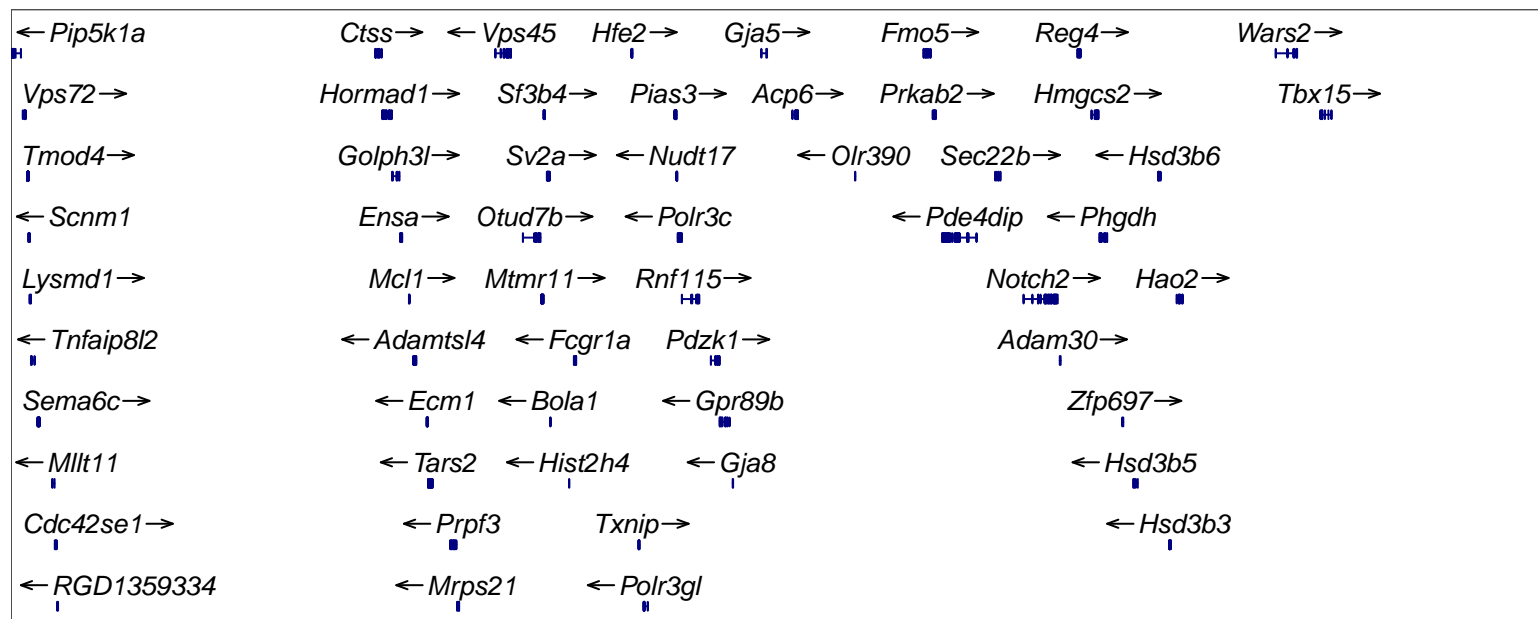
number of SNPs plotted: 9437

min P-value: 1.1E–6 [chr4:18725353]

max P-value: 9.99E–1 [chr4:17196008]



Credible Set



20 genes omitted

197 198 199 200 201 202
Position on chr2 (Mb)

date: Fri Oct 12 11:48:16 2018

build: P50_round4

display range: chr2:196231752–202231752 [196231752–202231752]

hilite range: 0 – 0 [0 – 0]

reference SNP: chr2:199231752

number of SNPs plotted: 50

min P-value: 1.35E–6 [chr2:199231752]

max P-value: 9.88E–1 [chr2:201919910]

omitted Genes: Bnpl, Prune, Fam63a

omitted Genes: Cers2, Setdb1, Arnt

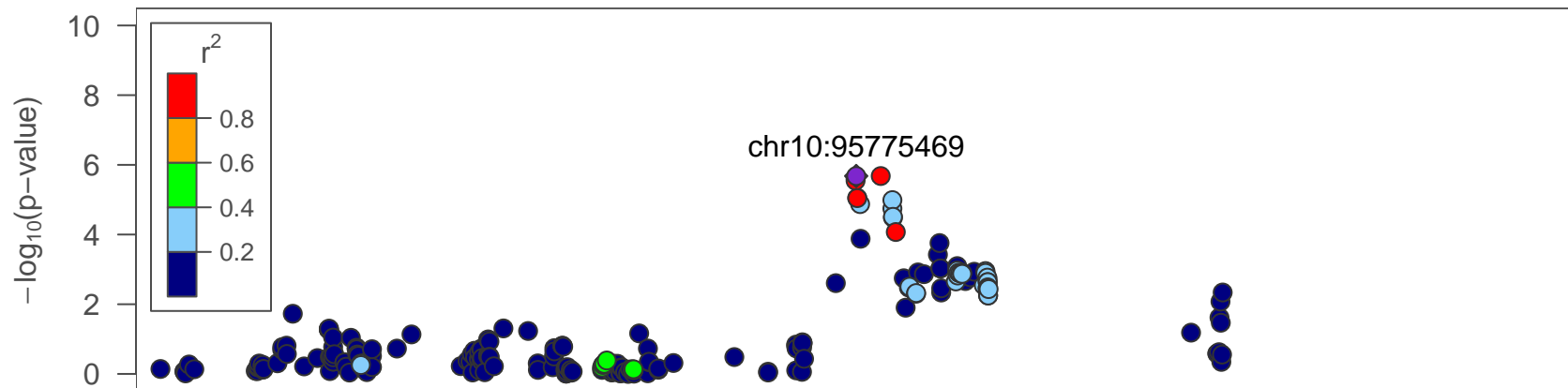
omitted Genes: Ctsk, Ciart, Aph1a

omitted Genes: Car14, Anp32e, Plekho1

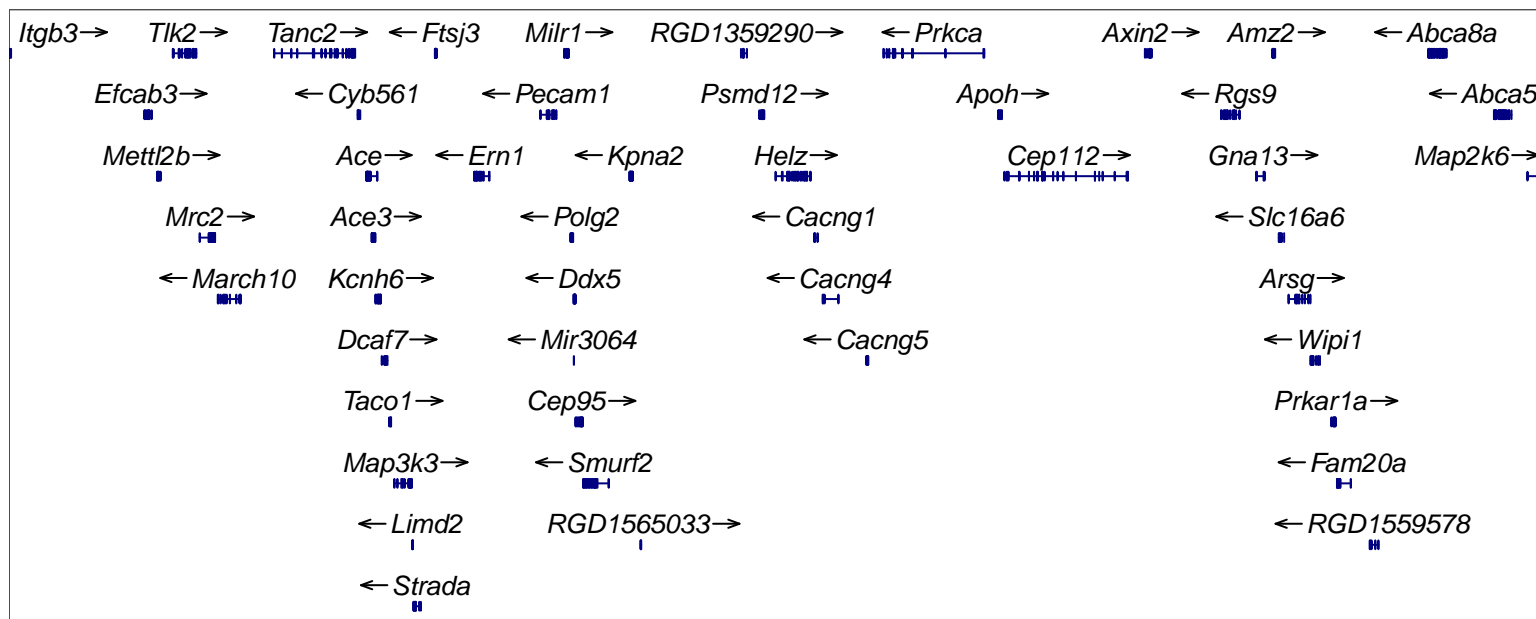
omitted Genes: Hist2h2ab, Hist2h2aa3, Hist2h3c2

omitted Genes: Ankrd34a, Lix1l, Rbm8a

omitted Genes: Pex11b, Itga10



Credible Set



9 genes omitted

Position on chr10 (Mb)

date: Fri Oct 12 11:50:23 2018

build: P50_round4

display range: chr10:92775469–98775469 [92775469–98775469]

hilite range: 0 – 0 [0 – 0]

reference SNP: chr10:95775469

number of SNPs plotted: 235

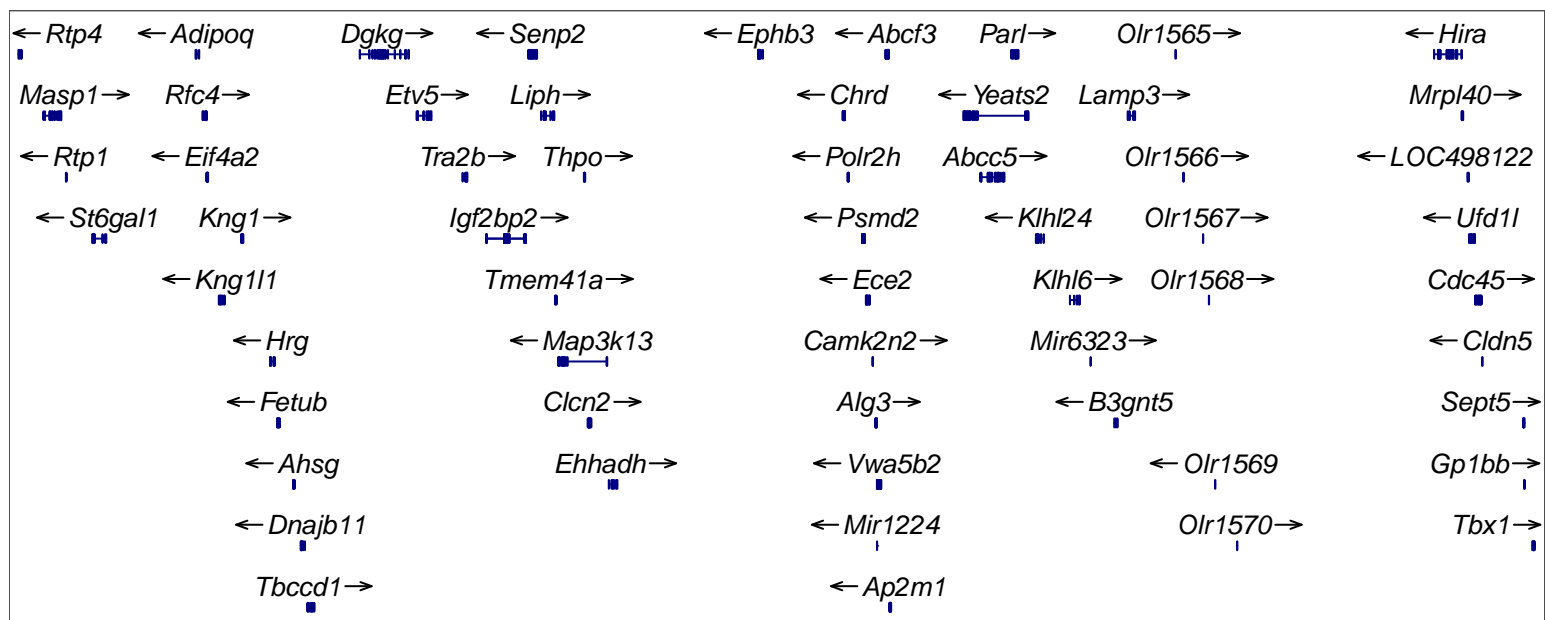
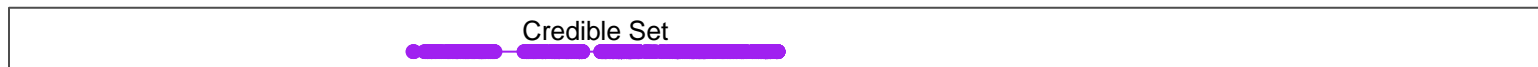
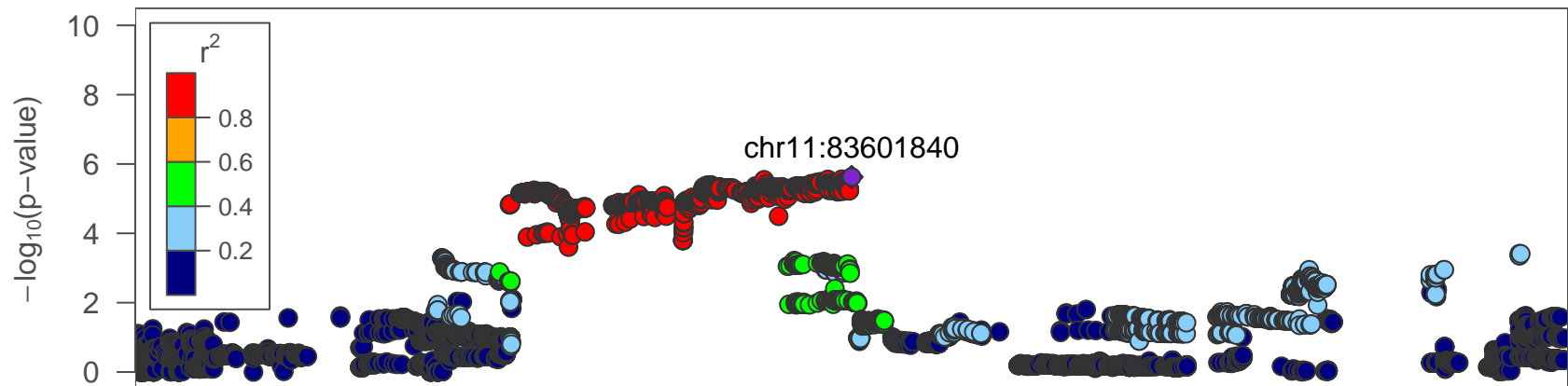
min P-value: 2.09E–6 [chr10:95775469]

max P-value: 9.98E–1 [chr10:94825349]

omitted Genes: Ccdc47, Ddx42, Psmc5

omitted Genes: Smarcd2, Tcam1, Gh1

omitted Genes: Cd79b, Scn4a, Icam2



4 genes omitted

Position on chr11 (Mb)

date: Fri Oct 12 11:46:17 2018

build: P50_round4

display range: chr11:80601840–86601840 [80601840–86601840]

hilite range: 0 – 0 [0 – 0]

reference SNP: chr11:83601840

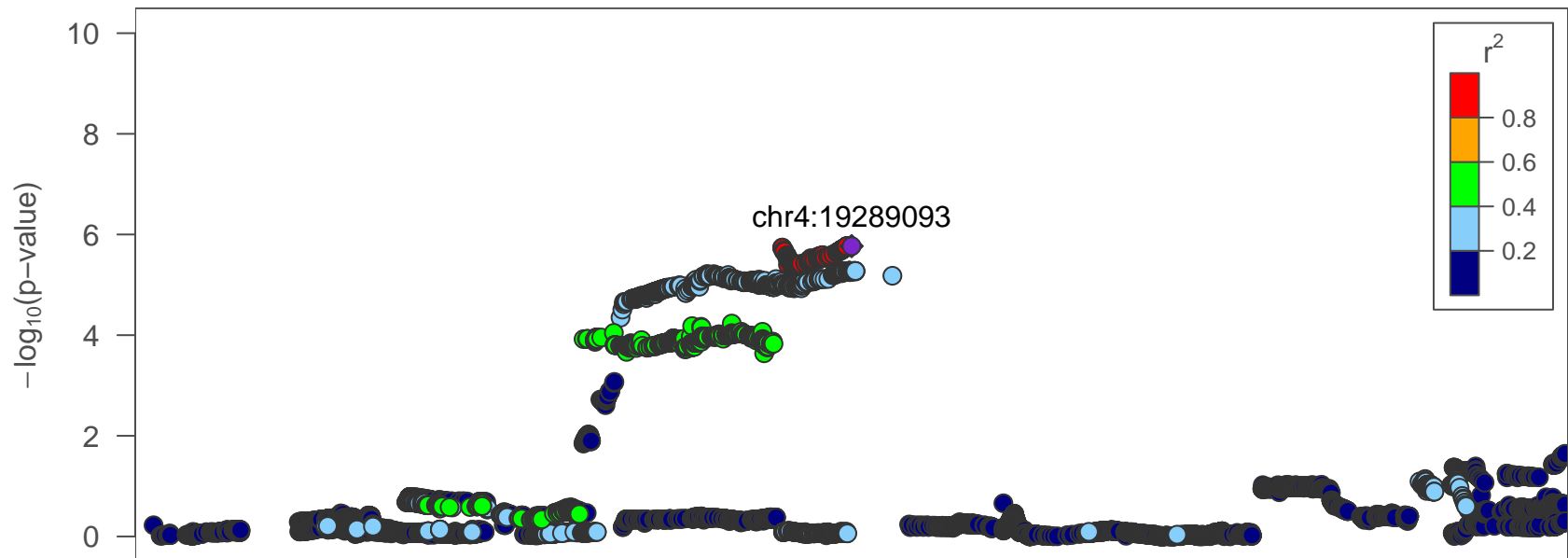
number of SNPs plotted: 8168

min P-value: 2.36E–6 [chr11:83601840]

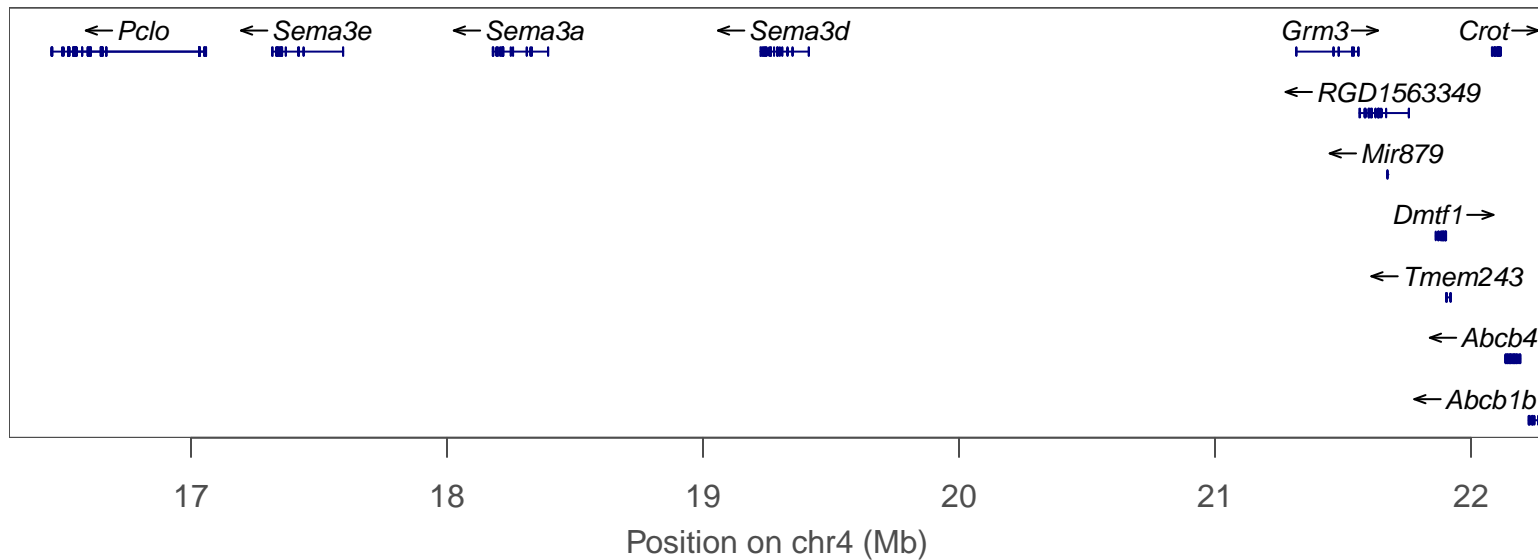
max P-value: 10E–1 [chr11:81841930]

omitted Genes: Crygs, Dvl3, Eif2b5

omitted Genes: Map6d1



Credible Set



date: Fri Oct 12 11:50:53 2018

build: P50_round4

display range: chr4:16289093–22289093 [16289093–22289093]

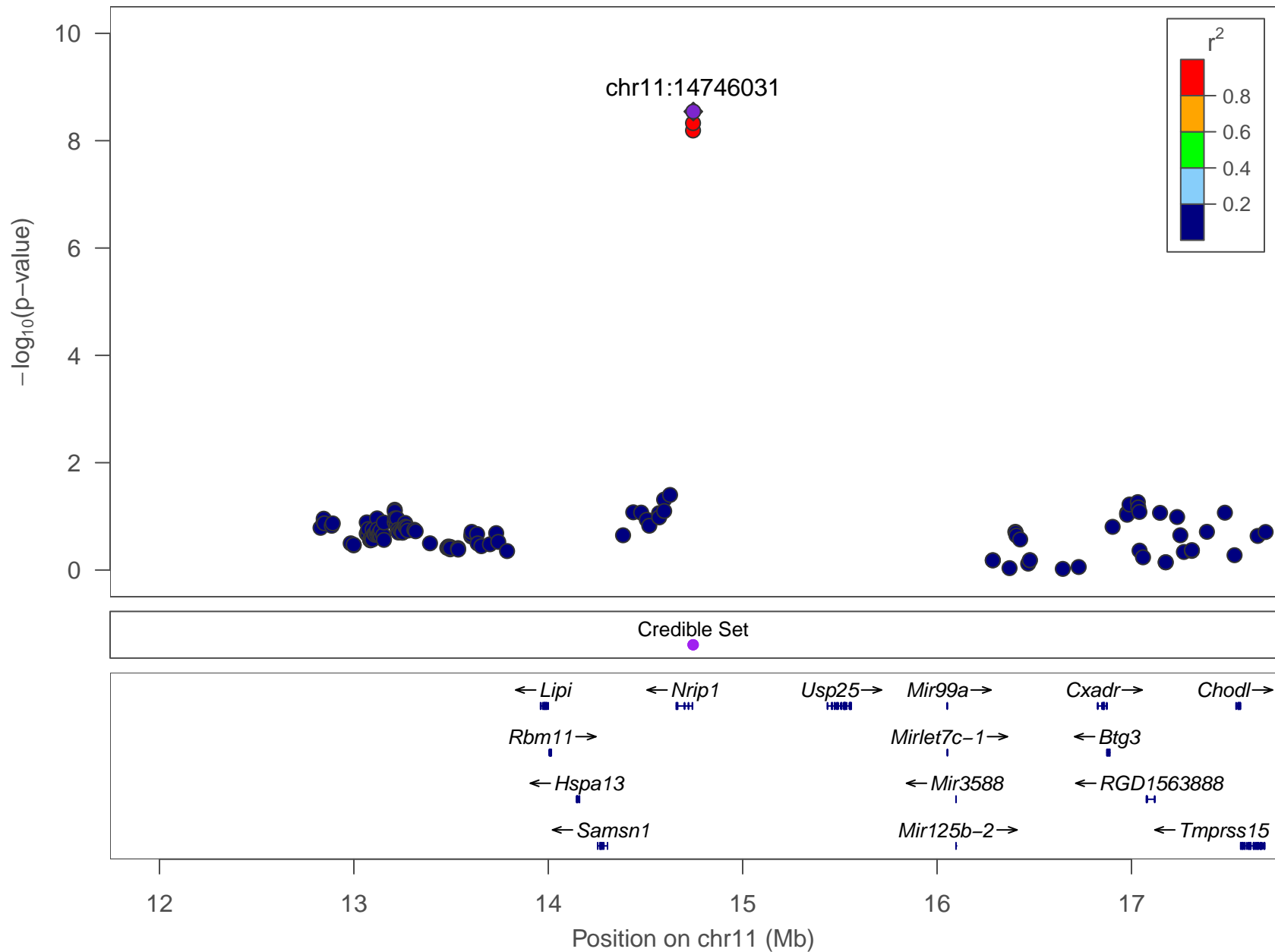
hilite range: 0 – 0 [0 – 0]

reference SNP: chr4:19289093

number of SNPs plotted: 9290

min P-value: 1.7E–6 [chr4:19289093]

max P-value: 10E–1 [chr4:20598489]



date: Fri Oct 12 11:52:40 2018

build: P50_round4

display range: chr11:11746031–17746031 [11746031–17746031]

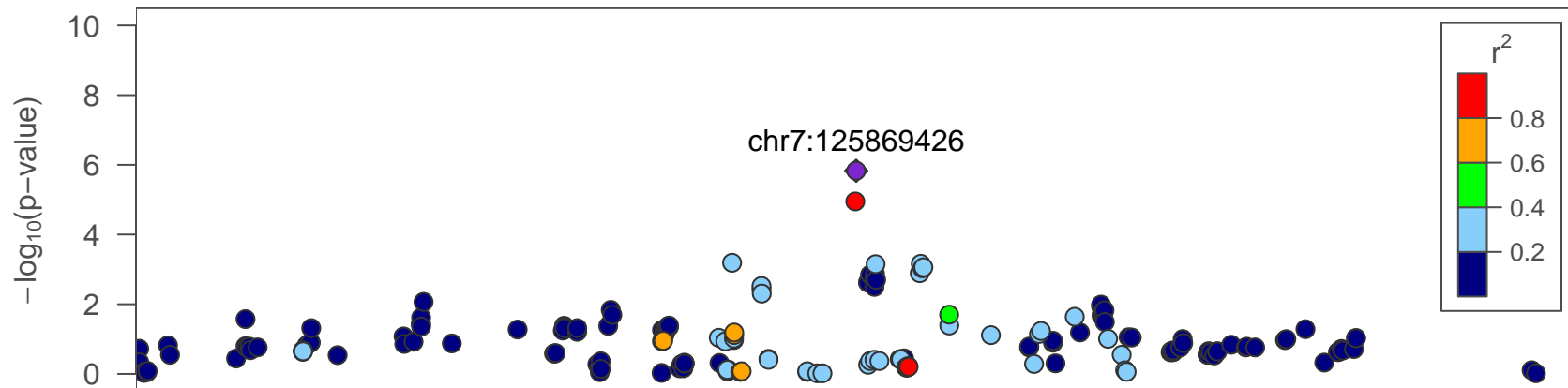
hilite range: 0 – 0 [0 – 0]

reference SNP: chr11:14746031

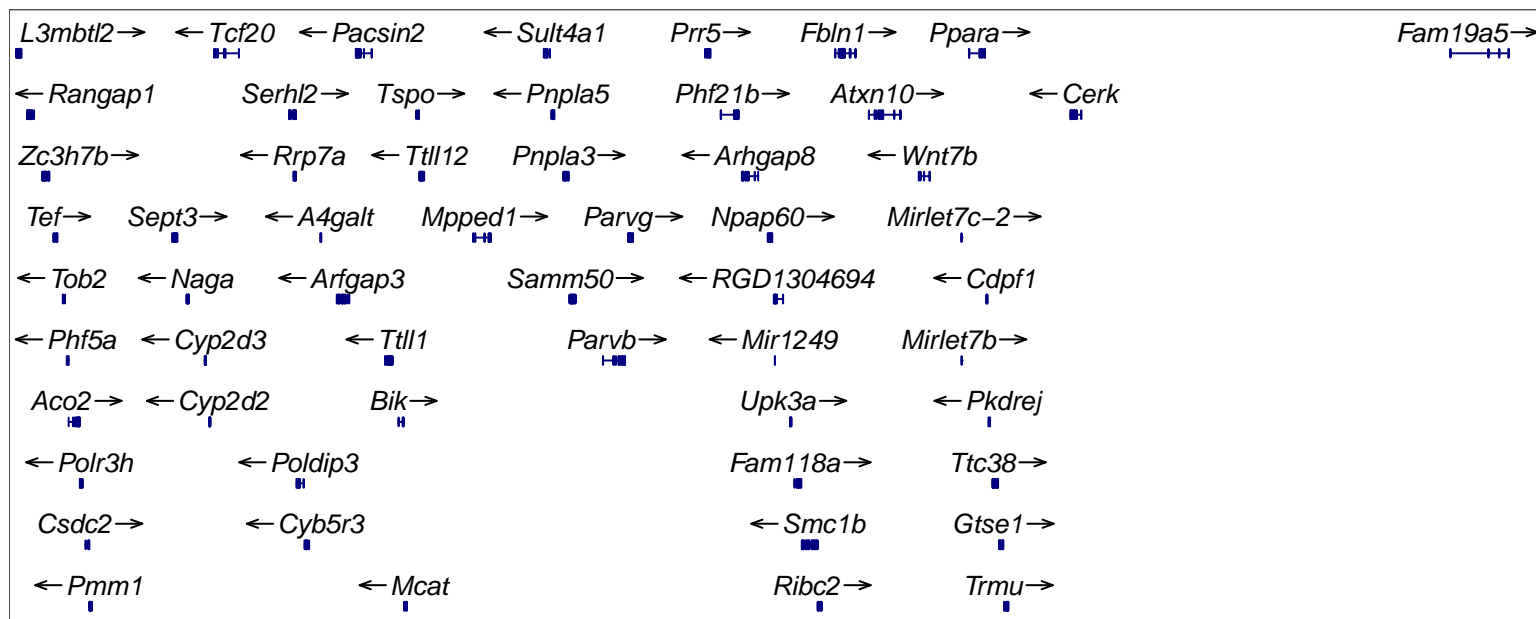
number of SNPs plotted: 125

min P-value: 2.86E–9 [chr11:14746031]

max P-value: 9.51E–1 [chr11:16646694]



Credible Set



16 genes omitted

Position on chr7 (Mb)

date: Fri Oct 12 11:52:50 2018

build: P50_round4

display range: chr7:122869426–128869426 [122869426–128869426]

hilite range: 0 – 0 [0 – 0]

reference SNP: chr7:125869426

number of SNPs plotted: 187

min P-value: 1.48E–6 [chr7:125869426]

max P-value: 9.6E–1 [chr7:125728914]

omitted Genes: Desi1, Xrcc6, Nhp2l1

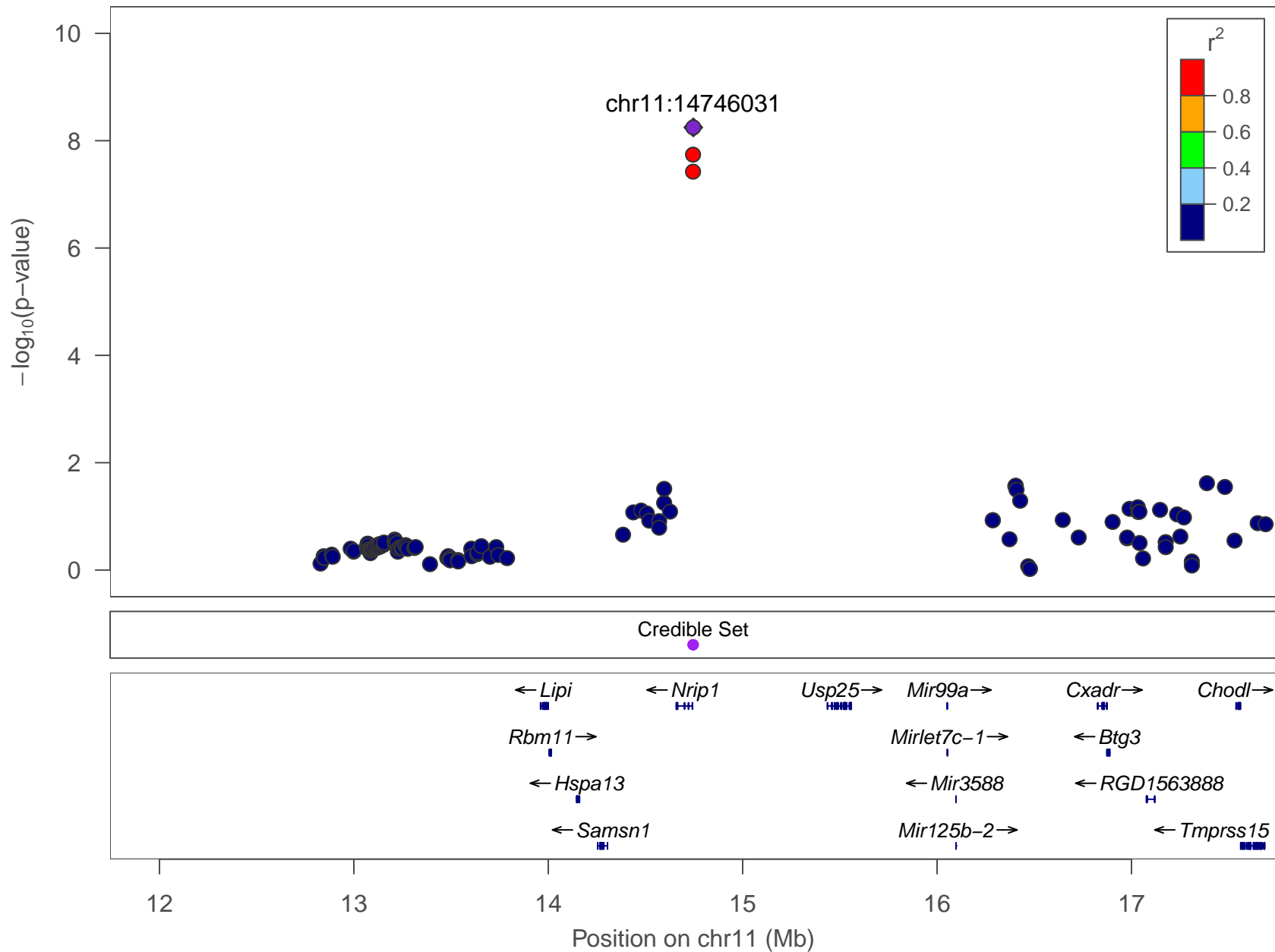
omitted Genes: Mei1, Ccdc134, Srebf2

omitted Genes: Mir33, Shisa8, Cenpm

omitted Genes: LOC688613, Fam109b, Ndufa6

omitted Genes: Cyp2d4, Cyp2d5, Cyp2d1

omitted Genes: Scube1



date: Fri Oct 12 13:54:05 2018

build: P50_round4

display range: chr11:11746031–17746031 [11746031–17746031]

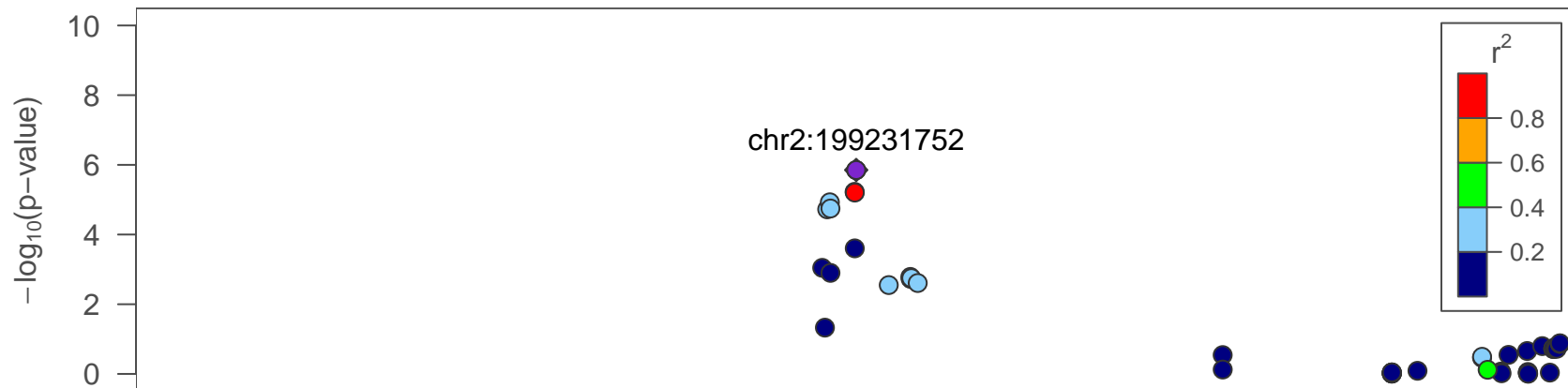
hilite range: 0 – 0 [0 – 0]

reference SNP: chr11:14746031

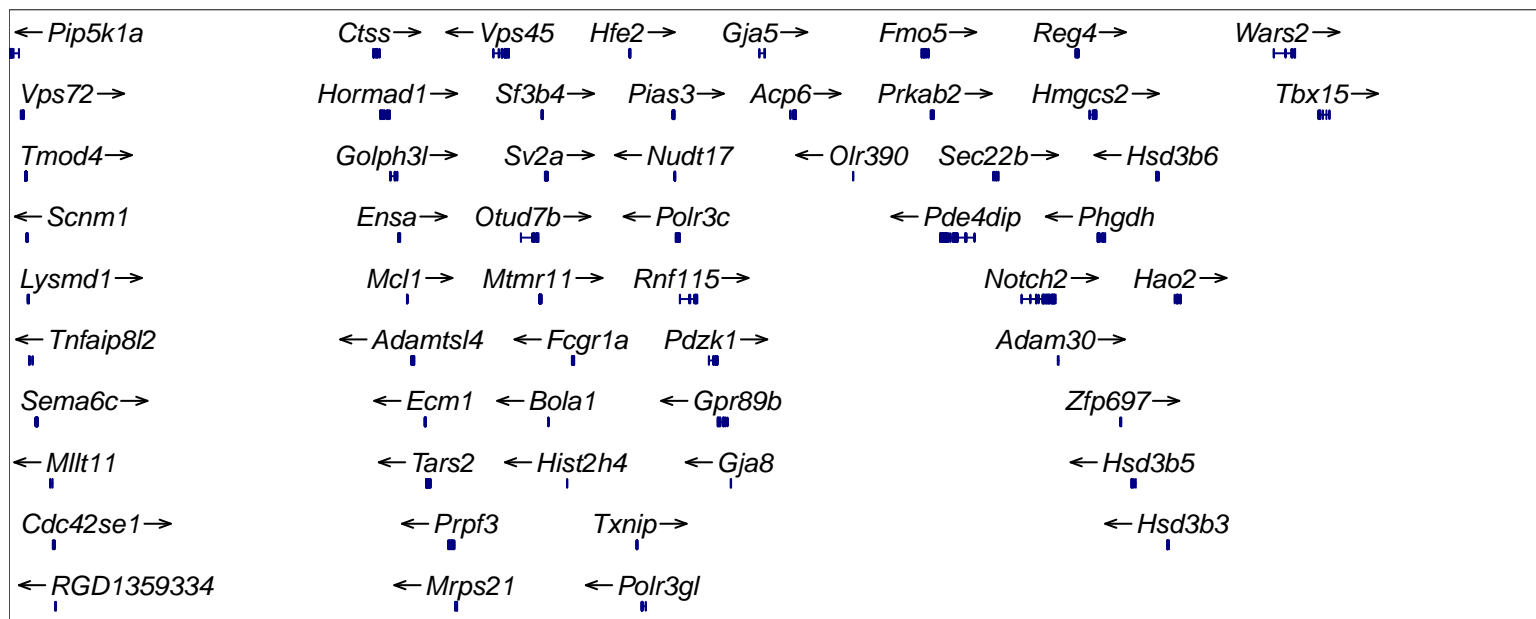
number of SNPs plotted: 125

min P-value: 5.65E–9 [chr11:14746031]

max P-value: 9.49E–1 [chr11:16477081]



Credible Set



20 genes omitted

197 198 199 200 201 202
Position on chr2 (Mb)

date: Fri Oct 12 13:59:44 2018

build: P50_round4

display range: chr2:196231752–202231752 [196231752–202231752]

hilite range: 0 – 0 [0 – 0]

reference SNP: chr2:199231752

number of SNPs plotted: 50

min P-value: 1.4E–6 [chr2:199231752]

max P-value: 9.88E–1 [chr2:202030801]

omitted Genes: Bnpl, Prune, Fam63a

omitted Genes: Cers2, Setdb1, Arnt

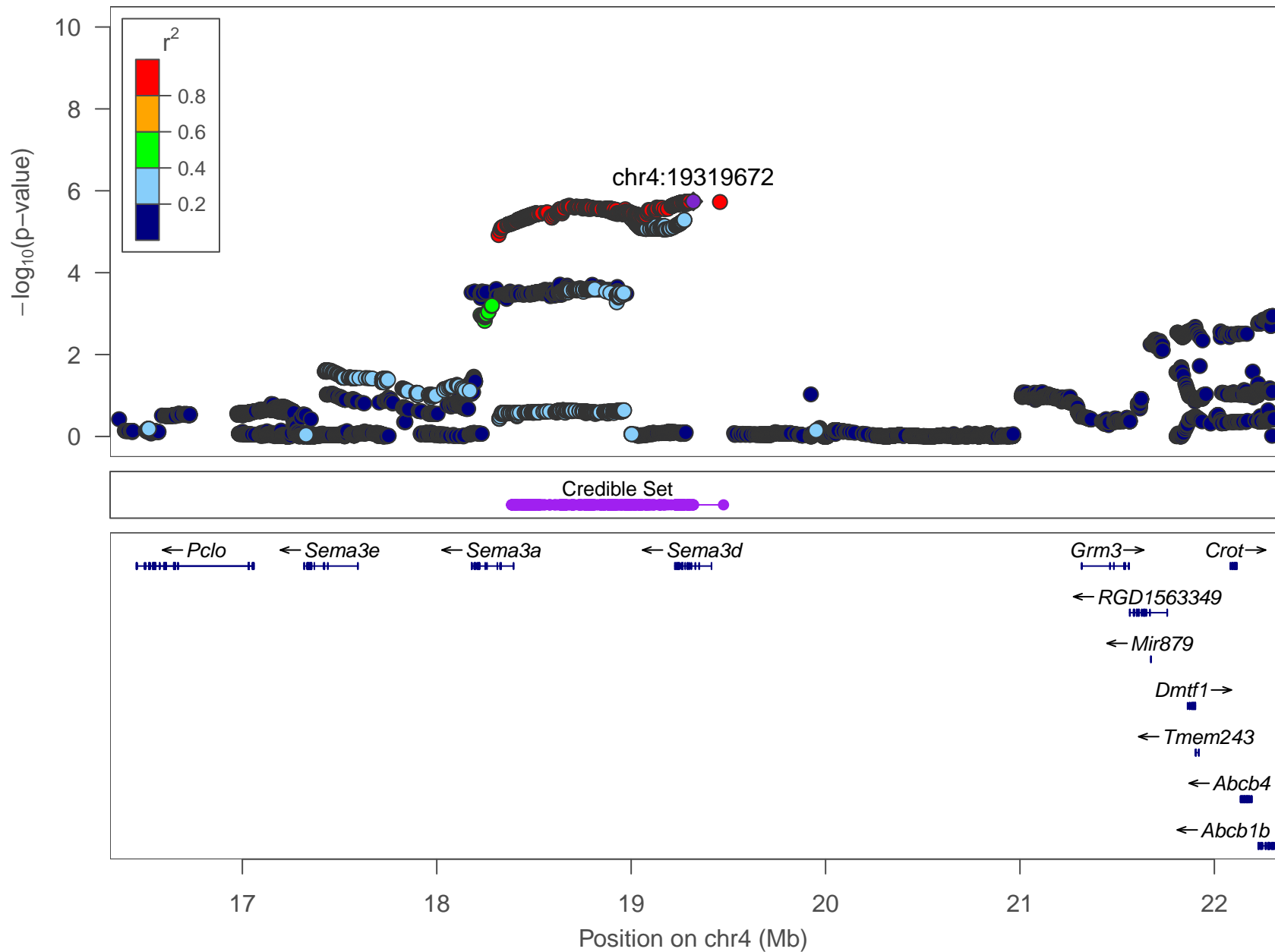
omitted Genes: Ctsk, Ciart, Aph1a

omitted Genes: Car14, Anp32e, Plekho1

omitted Genes: Hist2h2ab, Hist2h2aa3, Hist2h3c2

omitted Genes: Ankrd34a, Lix1l, Rbm8a

omitted Genes: Pex11b, Itga10



date: Fri Oct 12 14:00:20 2018

build: P50_round4

display range: chr4:16319672–22319672 [16319672–22319672]

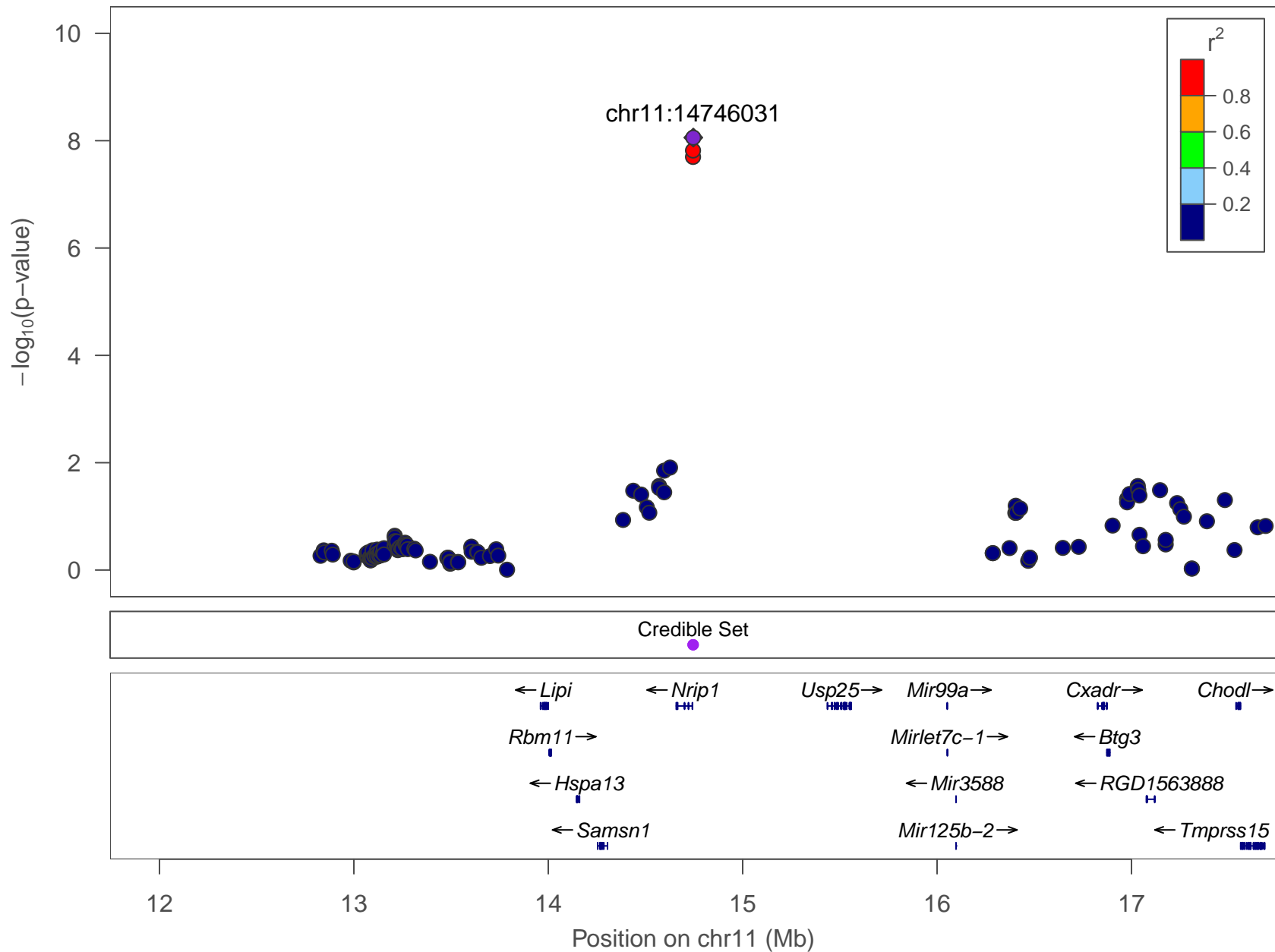
hilite range: 0 – 0 [0 – 0]

reference SNP: chr4:19319672

number of SNPs plotted: 9416

min P-value: 1.82E–6 [chr4:19319672]

max P-value: 10E–1 [chr4:20679140]



date: Fri Oct 12 14:01:23 2018

build: P50_round4

display range: chr11:11746031–17746031 [11746031–17746031]

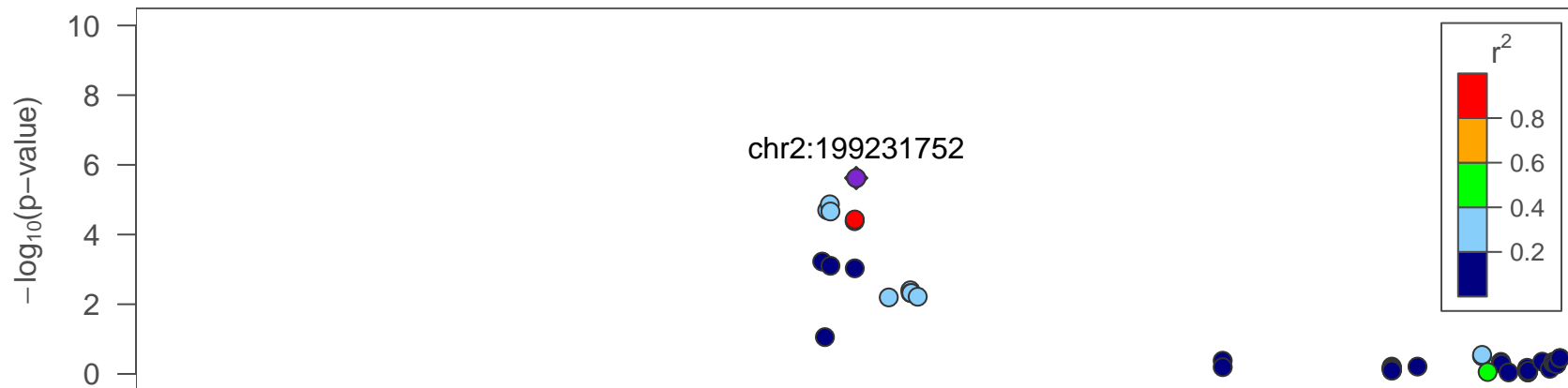
hilite range: 0 – 0 [0 – 0]

reference SNP: chr11:14746031

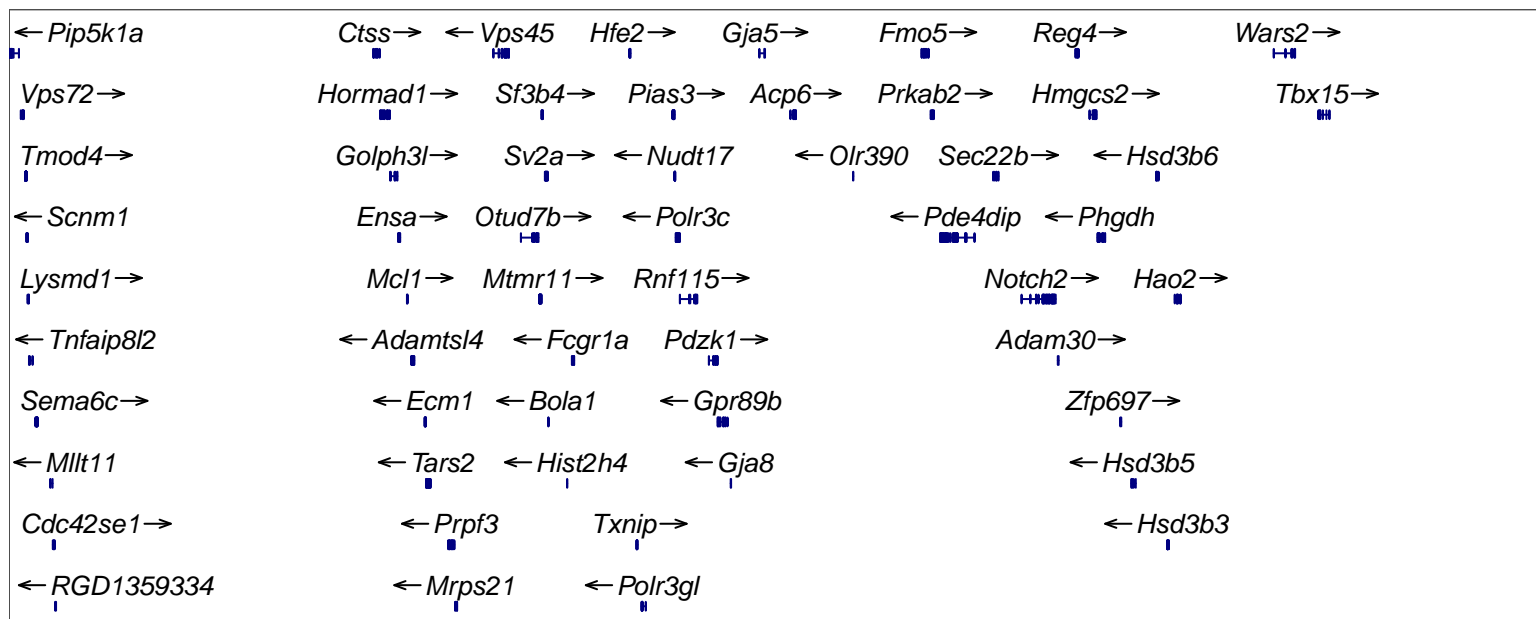
number of SNPs plotted: 125

min P-value: 8.75E–9 [chr11:14746031]

max P-value: 9.84E–1 [chr11:13787871]



Credible Set



20 genes omitted

Position on chr2 (Mb)

date: Fri Oct 12 14:03:34 2018

build: P50_round4

display range: chr2:196231752–202231752 [196231752–202231752]

hilite range: 0 – 0 [0 – 0]

reference SNP: chr2:199231752

number of SNPs plotted: 50

min P-value: 2.39E–6 [chr2:199231752]

max P-value: 9.08E–1 [chr2:202029482]

omitted Genes: Bnpl, Prune, Fam63a

omitted Genes: Cers2, Setdb1, Arnt

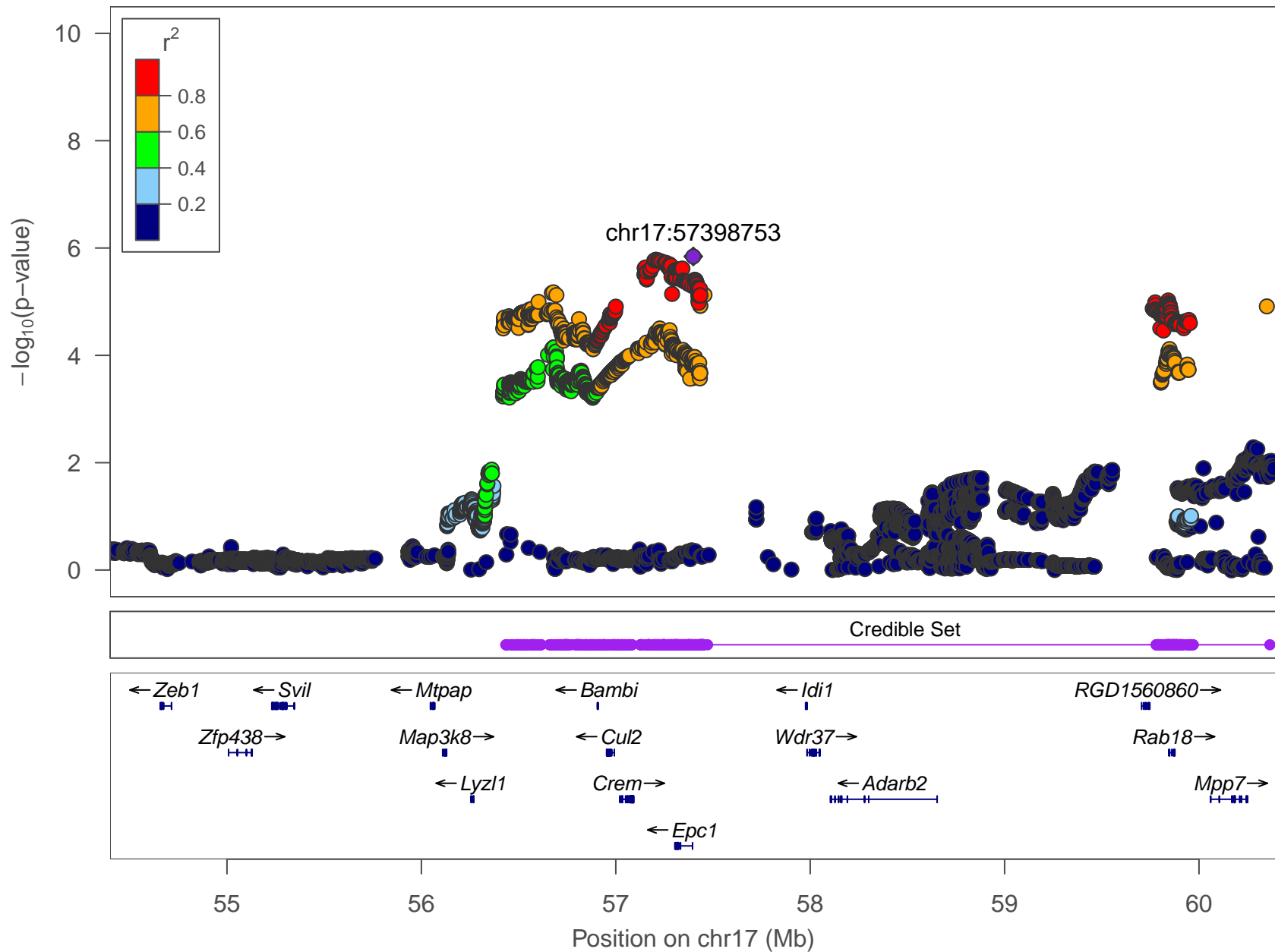
omitted Genes: Ctsk, Ciart, Aph1a

omitted Genes: Car14, Anp32e, Plekho1

omitted Genes: Hist2h2ab, Hist2h2aa3, Hist2h3c2

omitted Genes: Ankrd34a, Lix1l, Rbm8a

omitted Genes: Pex11b, Itga10



date: Fri Oct 12 14:25:42 2018

build: P50_round4

display range: chr17:54398753–60398753 [54398753–60398753]

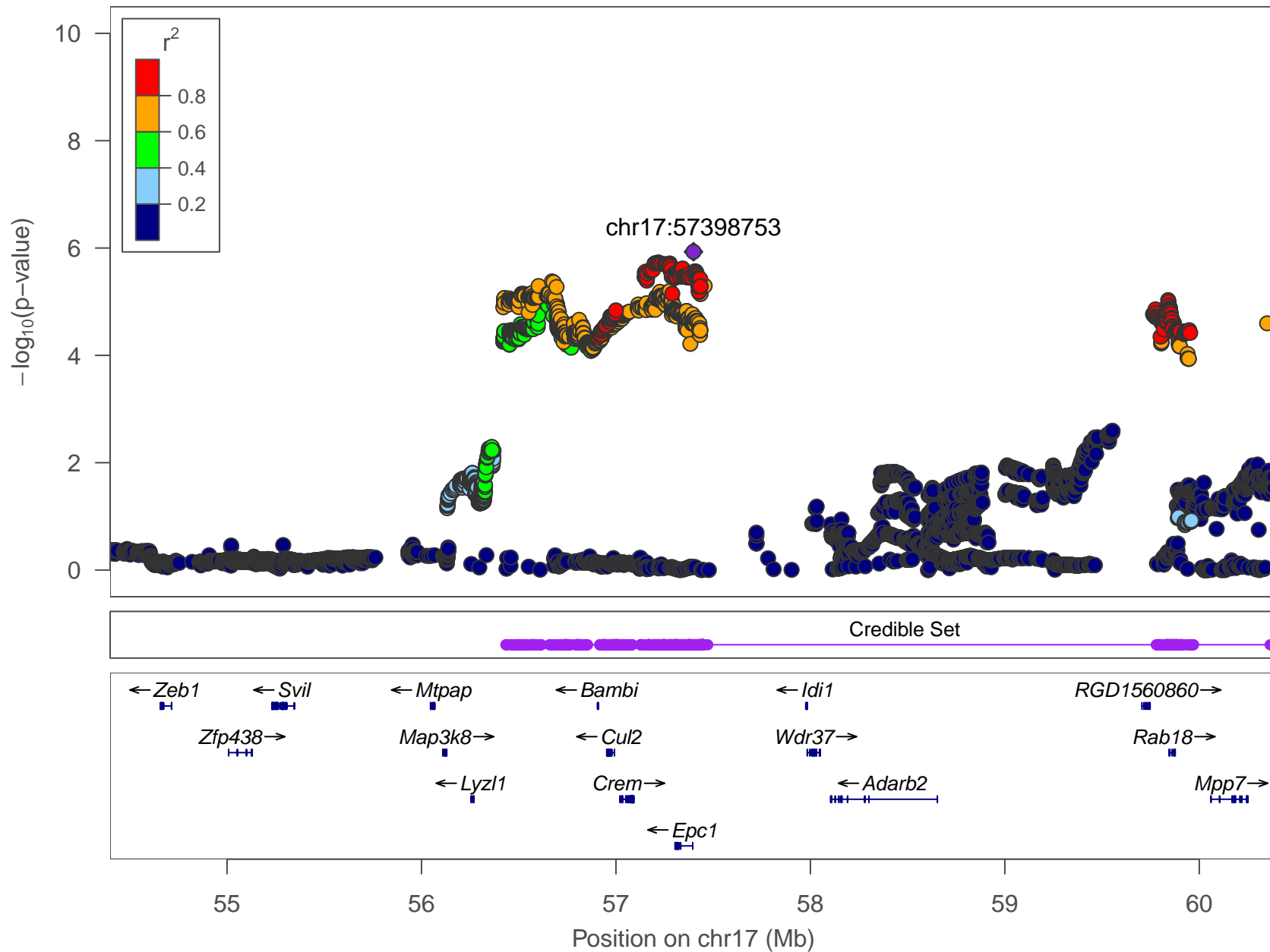
hilite range: 0 – 0 [0 – 0]

reference SNP: chr17:57398753

number of SNPs plotted: 8332

min P-value: 1.44E–6 [chr17:57398753]

max P-value: 9.93E–1 [chr17:60178121]



date: Fri Oct 12 14:30:02 2018

build: P50_round4

display range: chr17:54398753–60398753 [54398753–60398753]

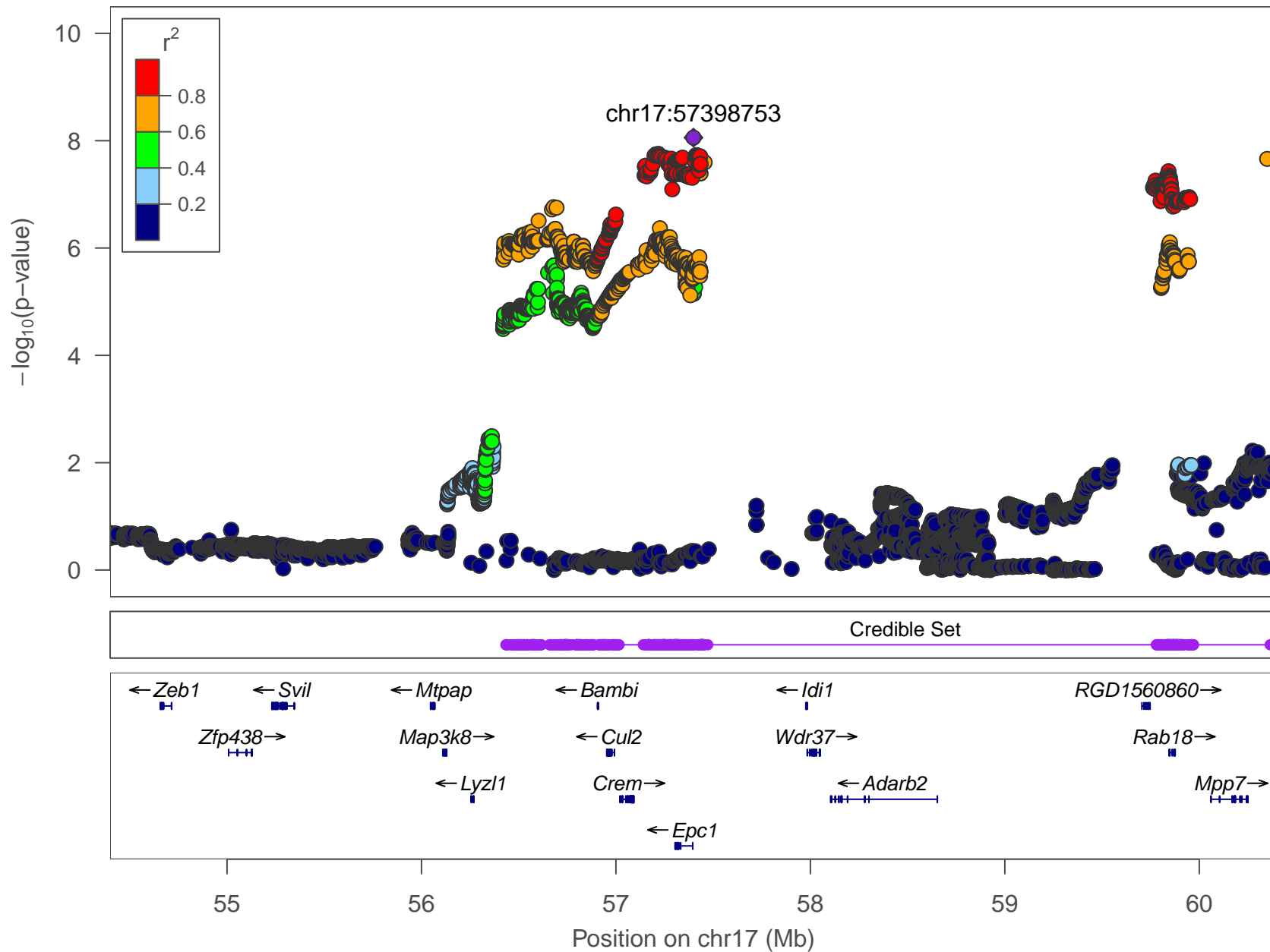
hilite range: 0 – 0 [0 – 0]

reference SNP: chr17:57398753

number of SNPs plotted: 8332

min P-value: 1.17E–6 [chr17:57398753]

max P-value: 9.99E–1 [chr17:60055688]



date: Fri Oct 12 14:33:02 2018

build: P50_round4

display range: chr17:54398753–60398753 [54398753–60398753]

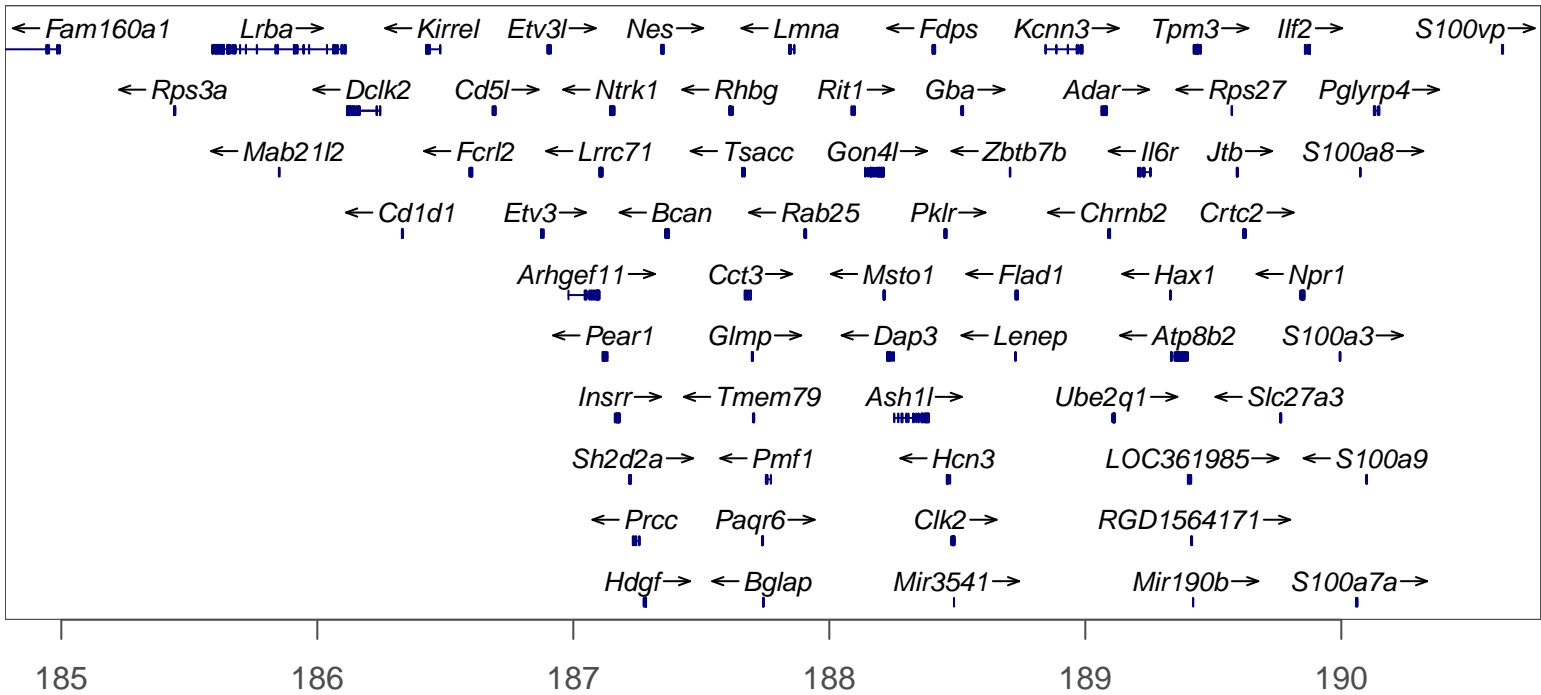
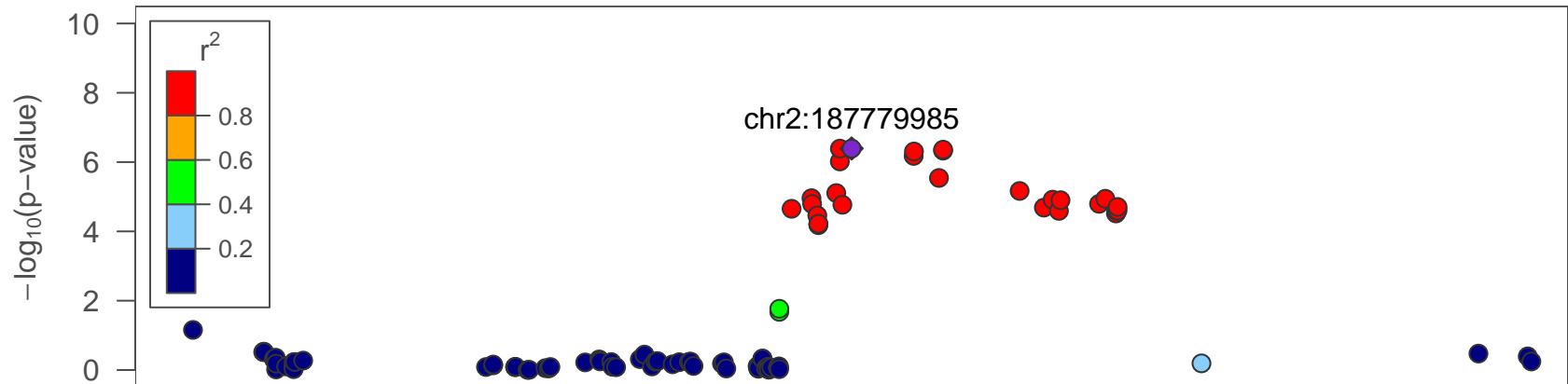
hilite range: 0 – 0 [0 – 0]

reference SNP: chr17:57398753

number of SNPs plotted: 8332

min P-value: 8.77E–9 [chr17:57398753]

max P-value: 10E–1 [chr17:59260471]



50 genes omitted

Position on chr2 (Mb)

date: Fri Oct 12 14:34:40 2018

build: P50_round4

display range: chr2:184779985–190779985 [184779985–190779985]

hilite range: 0 – 0 [0 – 0]

reference SNP: chr2:187779985

number of SNPs plotted: 105

min P-value: 4.05E-7 [chr2:187779985]

max P-value: 9.92E-1 [chr2:186423346]

omitted Genes: mrpl24, Rrnad1, lsg20l2

omitted Genes: Crabp2, Hapln2, Gpatch4

omitted Genes: Naxe, lqgap3, Mef2d

omitted Genes: Mir3597-1, Mir9-1, Slc25a44

omitted Genes: Sema4a, Lamtor2, Ubqln4

omitted Genes: Ssr2, Arhgef2, Syt11

omitted Genes: Scamp3, Fam189b, Mtx1

omitted Genes: Thbs3, Mir92b, Muc1

omitted Genes: Trim46, Krtcap2, Dpm3

omitted Genes: Slc50a1, Efna1, LOC102550325

omitted Genes: Efna4, Adam15, Cks1b

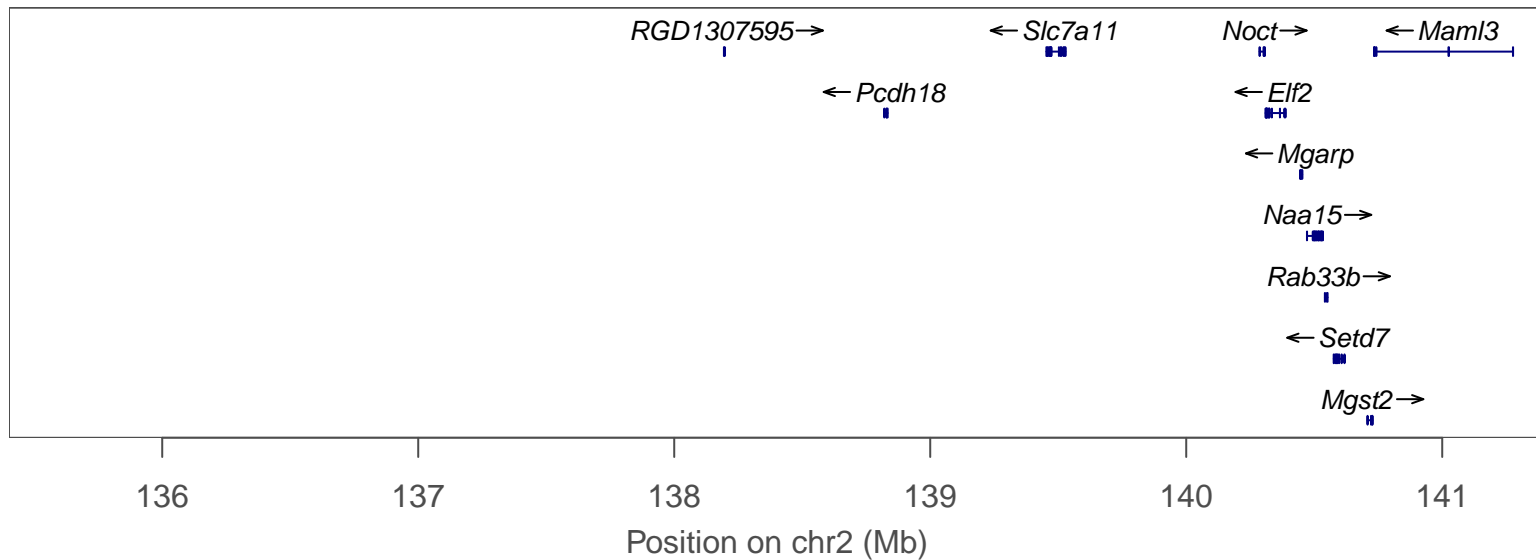
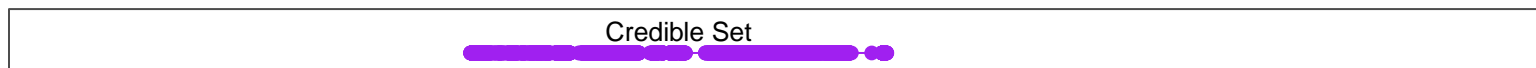
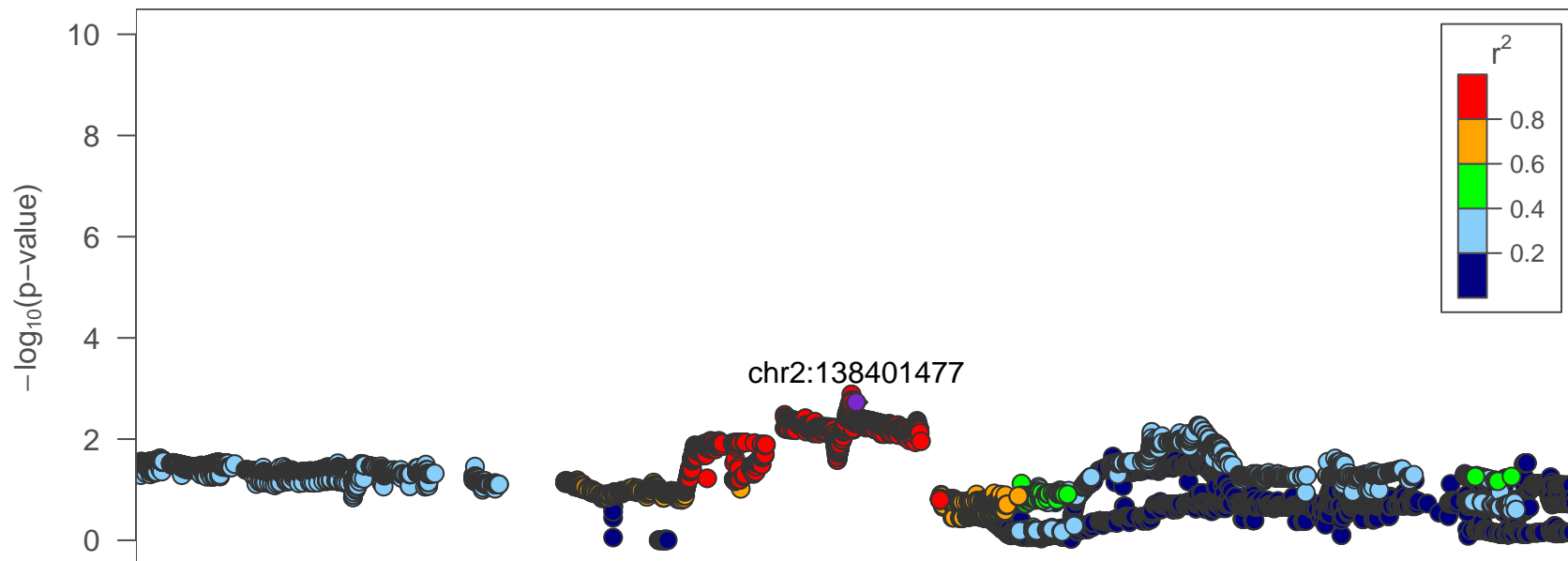
omitted Genes: Shc1, Pygo2, Pbxip1

omitted Genes: Pmvk, Nup210l, Rab13

omitted Genes: Creb3l4, Slc39a1, Gatad2b

Make more plots at <http://csg.sph.umich.edu/locuszoom/>

omitted Genes: Snapin, LOC361990, S100a1



date: Fri Oct 12 14:40:46 2018

build: P50_round4

display range: chr2:135401477–141401477 [135401477–141401477]

hilite range: 0 – 0 [0 – 0]

reference SNP: chr2:138401477

number of SNPs plotted: 11143

min P-value: 1.34E–3 [chr2:138401563]

max P-value: 9.97E–1 [chr2:137590280]

date: Fri Oct 12 14:38:48 2018

build: P50_round4

display range: chr4:130323878–136323878 [130323878–136323878]

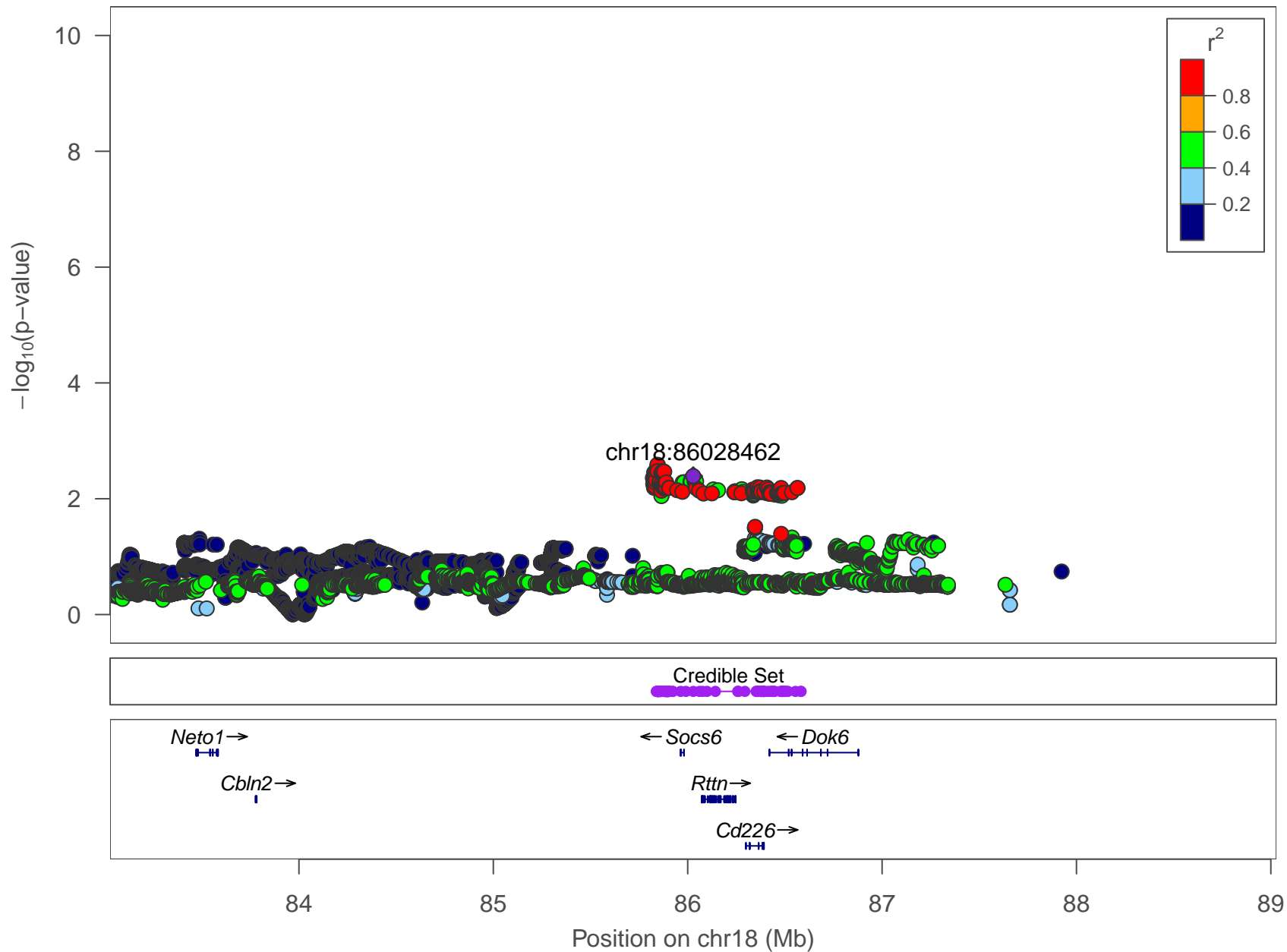
hilite range: 0 – 0 [0 – 0]

reference SNP: chr4:133323878

number of SNPs plotted: 9687

min P-value: 2.04E–6 [chr4:133323878]

max P-value: 8.05E–1 [chr4:133685990]



date: Fri Oct 12 14:45:05 2018

build: P50_round4

display range: chr18:83028462–89028462 [83028462–89028462]

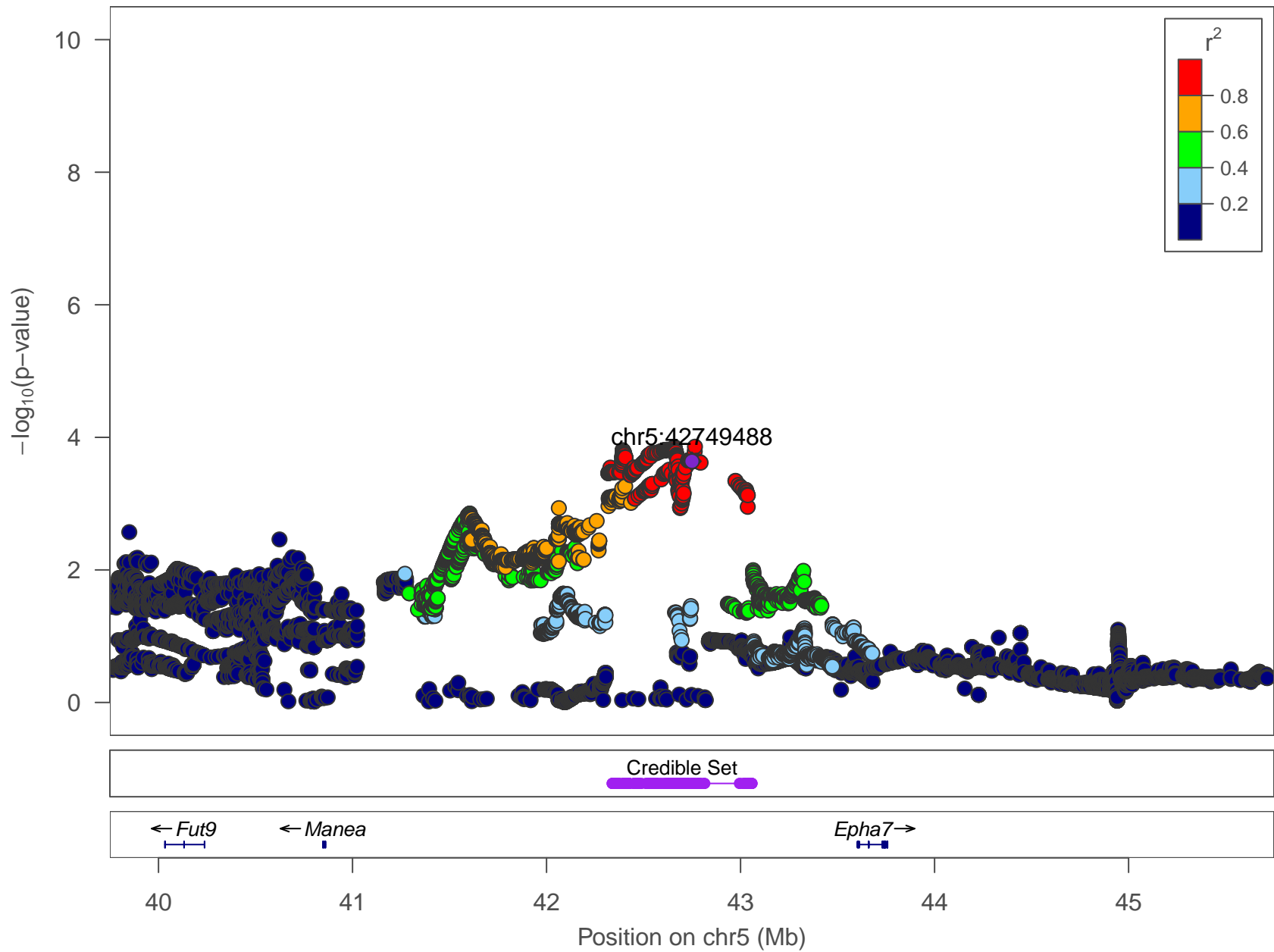
hilite range: 0 – 0 [0 – 0]

reference SNP: chr18:86028462

number of SNPs plotted: 9252

min P-value: 2.6E–3 [chr18:85861741]

max P-value: 9.98E–1 [chr18:83971134]



date: Fri Oct 12 14:48:59 2018

build: P50_round4

display range: chr5:39749488–45749488 [39749488–45749488]

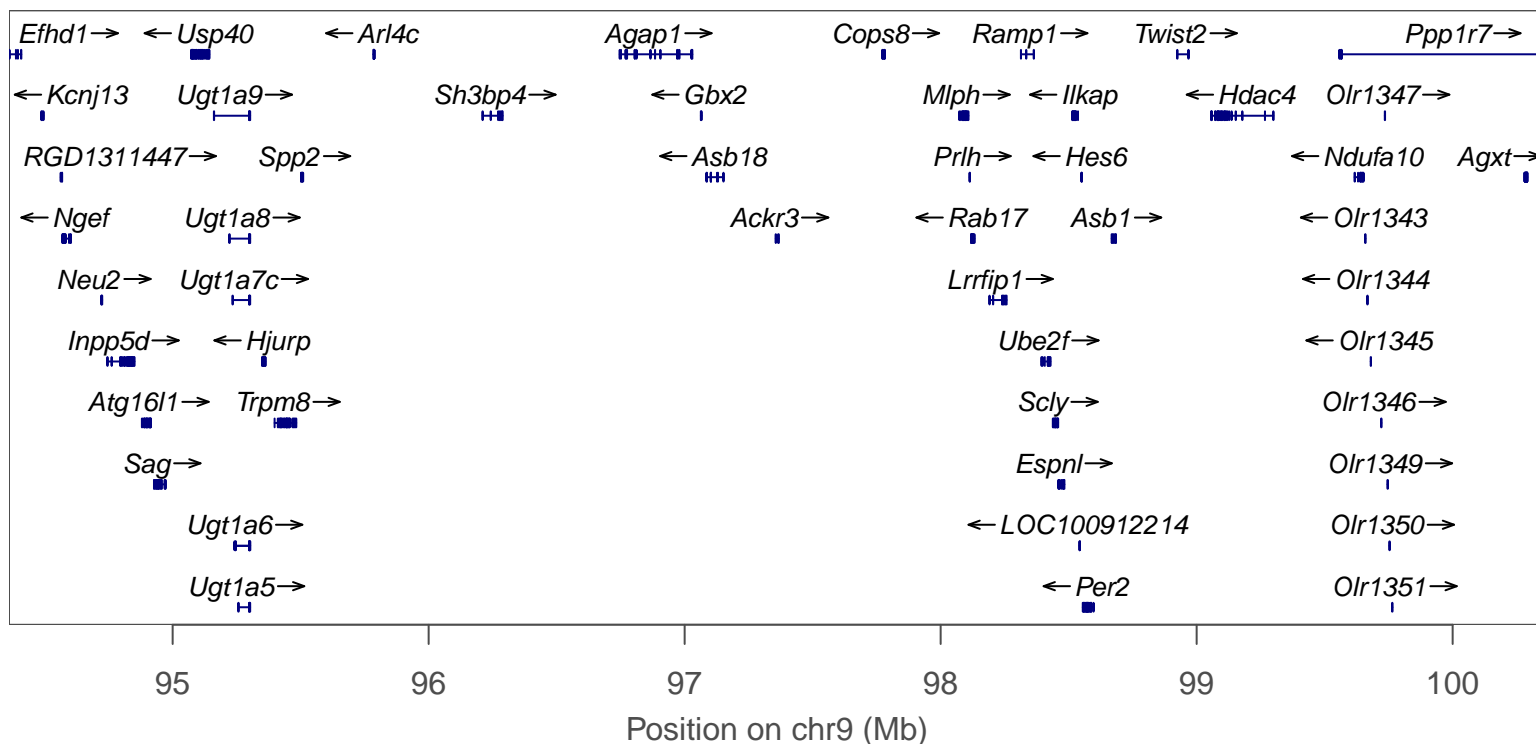
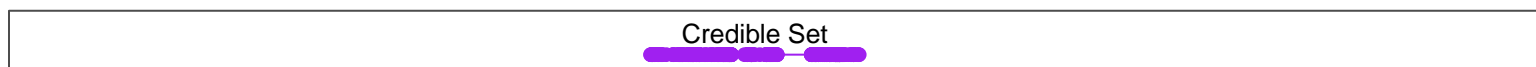
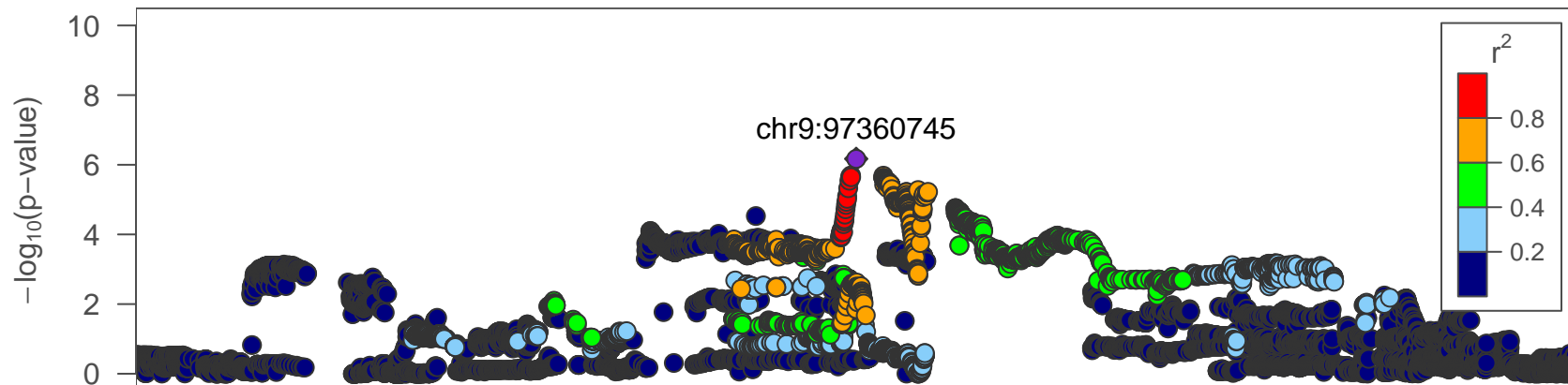
hilite range: 0 – 0 [0 – 0]

reference SNP: chr5:42749488

number of SNPs plotted: 12616

min P-value: 1.42E-4 [chr5:42786309]

max P-value: 10E-1 [chr5:42097370]



16 genes omitted

date: Fri Oct 12 14:51:43 2018

build: P50_round4

display range: chr9:94360745–100360745 [94360745–100360745]

hilite range: 0 – 0 [0 – 0]

reference SNP: chr9:97360745

number of SNPs plotted: 11384

min P-value: 6.75E–7 [chr9:97360745]

max P-value: 9.99E–1 [chr9:95541627]

omitted Genes: Ugt1a3, Ugt1a2, Dnajb3

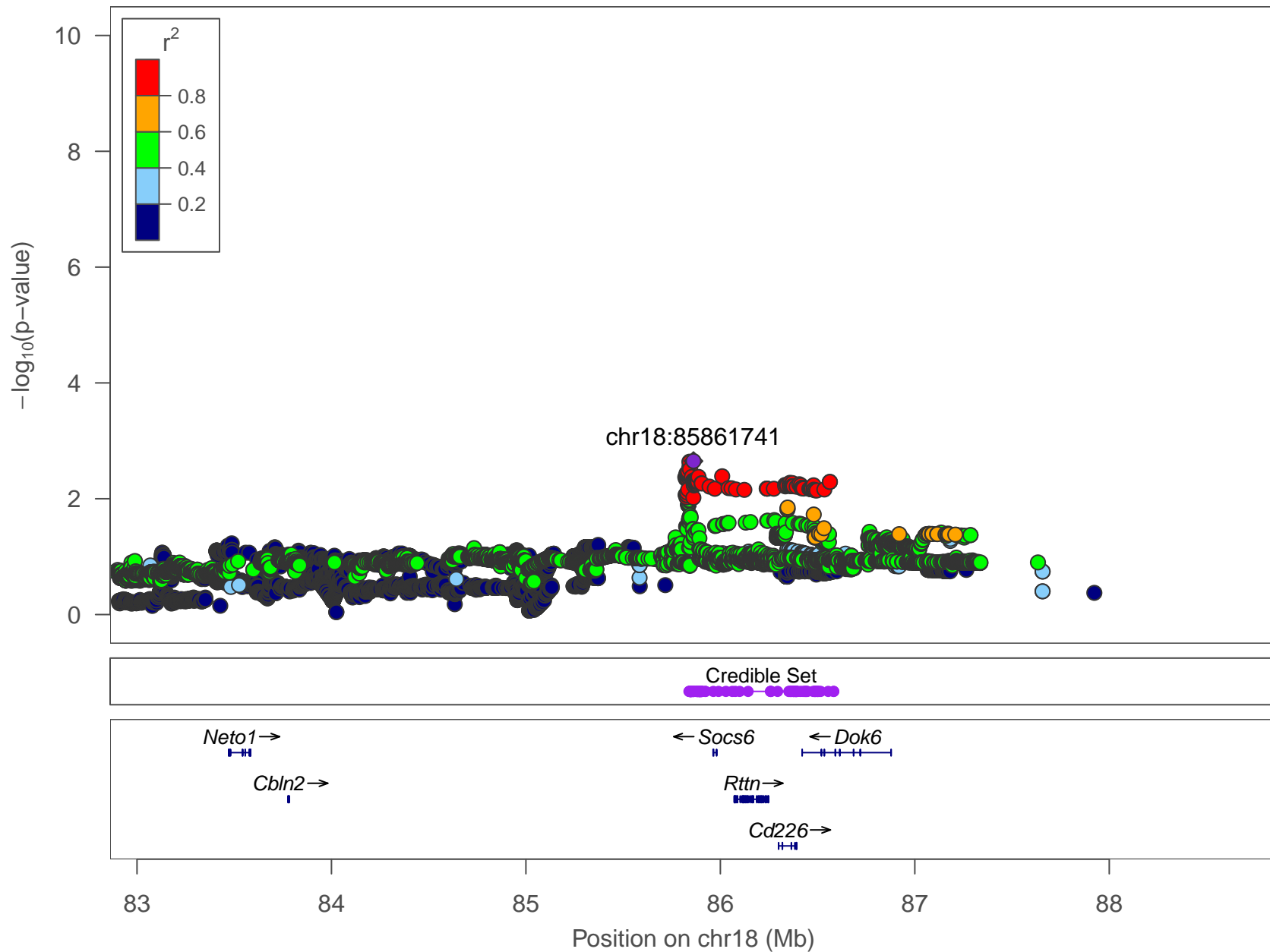
omitted Genes: Ugt1a1, Traf3ip1, Olr1352

omitted Genes: Olr1353, Cops9, Otos

omitted Genes: Gpc1, Mir149, Rnpepl1

omitted Genes: Capn10, Gpr35, Aqp12a

omitted Genes: RGD1563692



date: Fri Oct 12 14:53:31 2018

build: P50_round4

display range: chr18:82861741–88861741 [82861741–88861741]

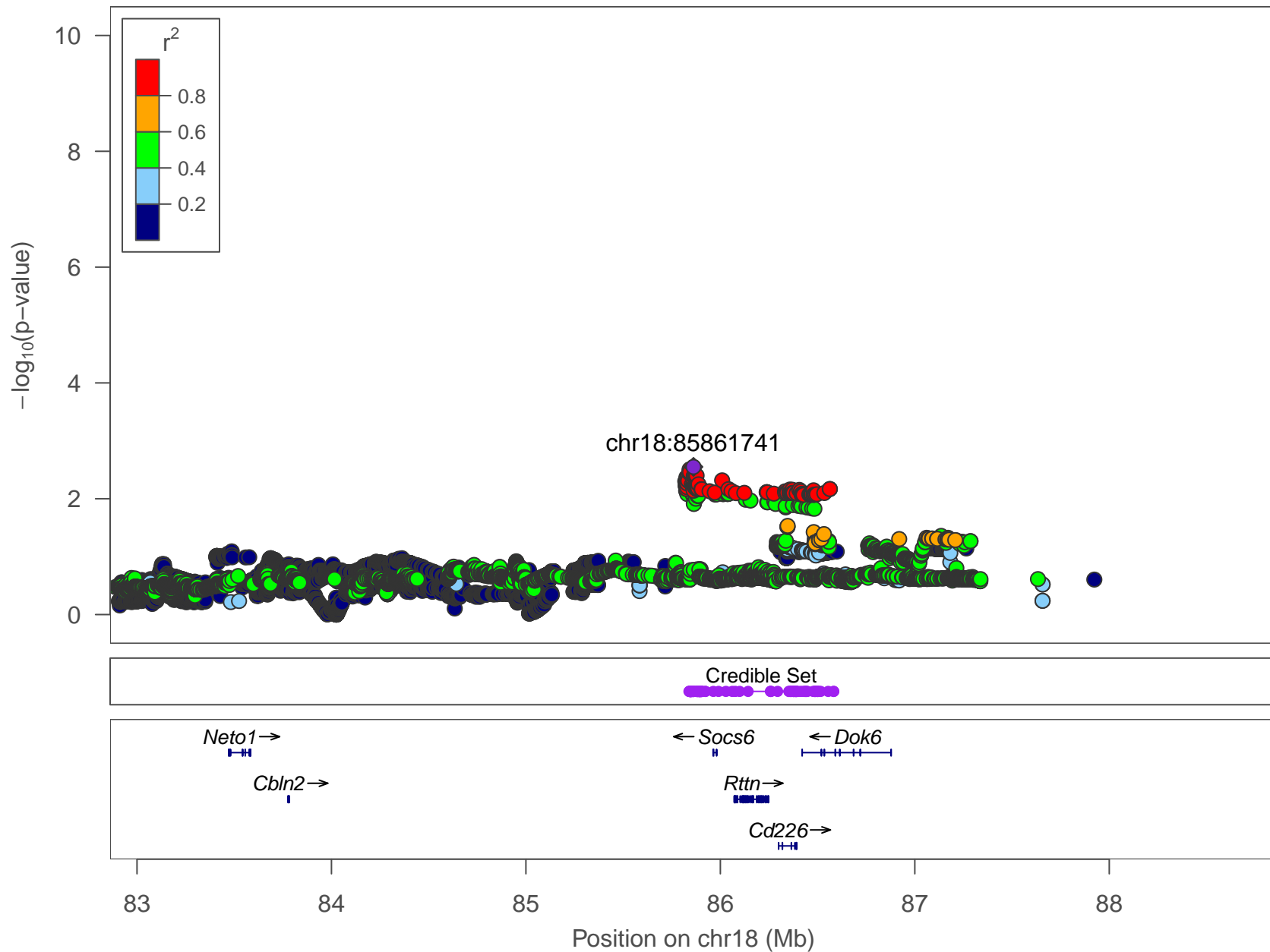
hilite range: 0 – 0 [0 – 0]

reference SNP: chr18:85861741

number of SNPs plotted: 9666

min P-value: 2.24E–3 [chr18:85861741]

max P-value: 9.13E–1 [chr18:84028036]



date: Fri Oct 12 14:59:20 2018

build: P50_round4

display range: chr18:82861741–88861741 [82861741–88861741]

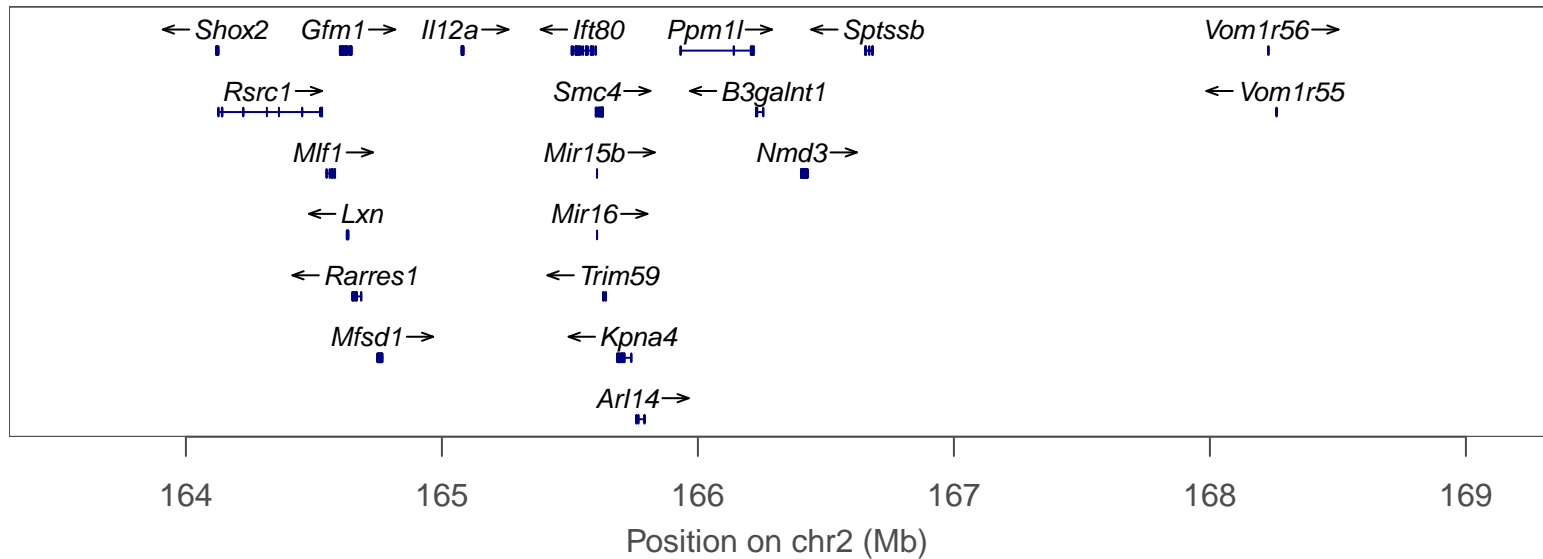
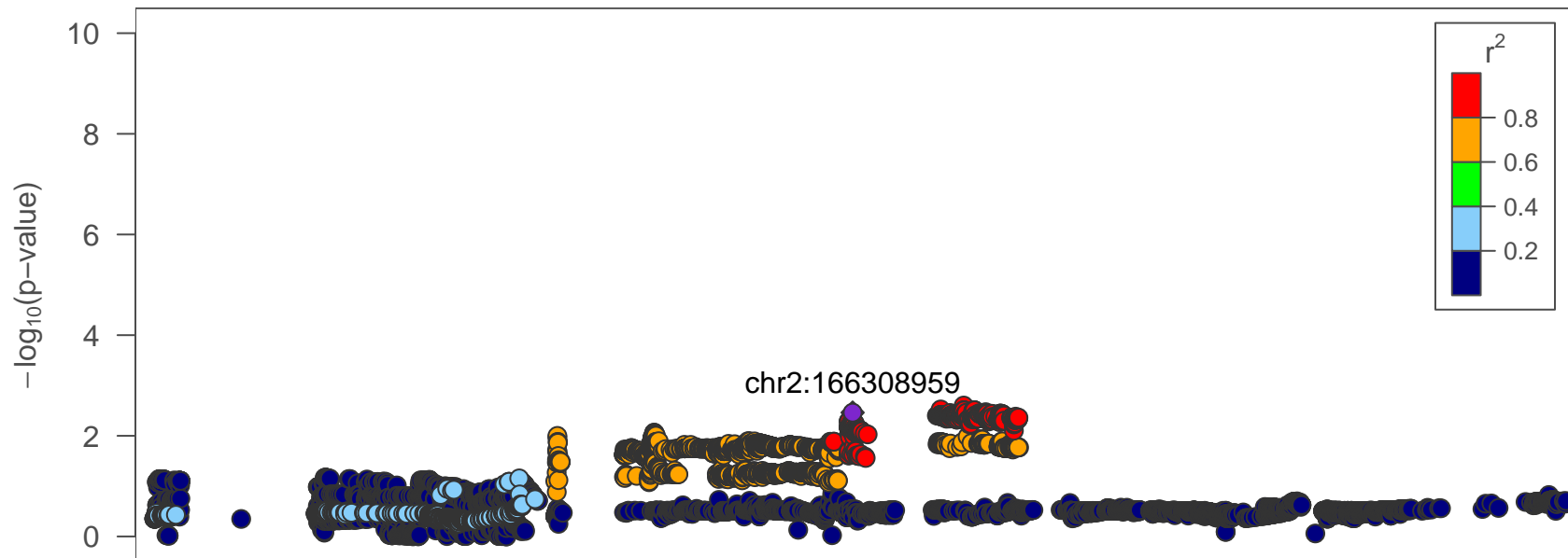
hilite range: 0 – 0 [0 – 0]

reference SNP: chr18:85861741

number of SNPs plotted: 9666

min P-value: 2.82E–3 [chr18:85861741]

max P-value: 9.99E–1 [chr18:84028367]



date: Fri Oct 12 15:02:01 2018

build: P50_round4

display range: chr2:163308959–169308959 [163308959–169308959]

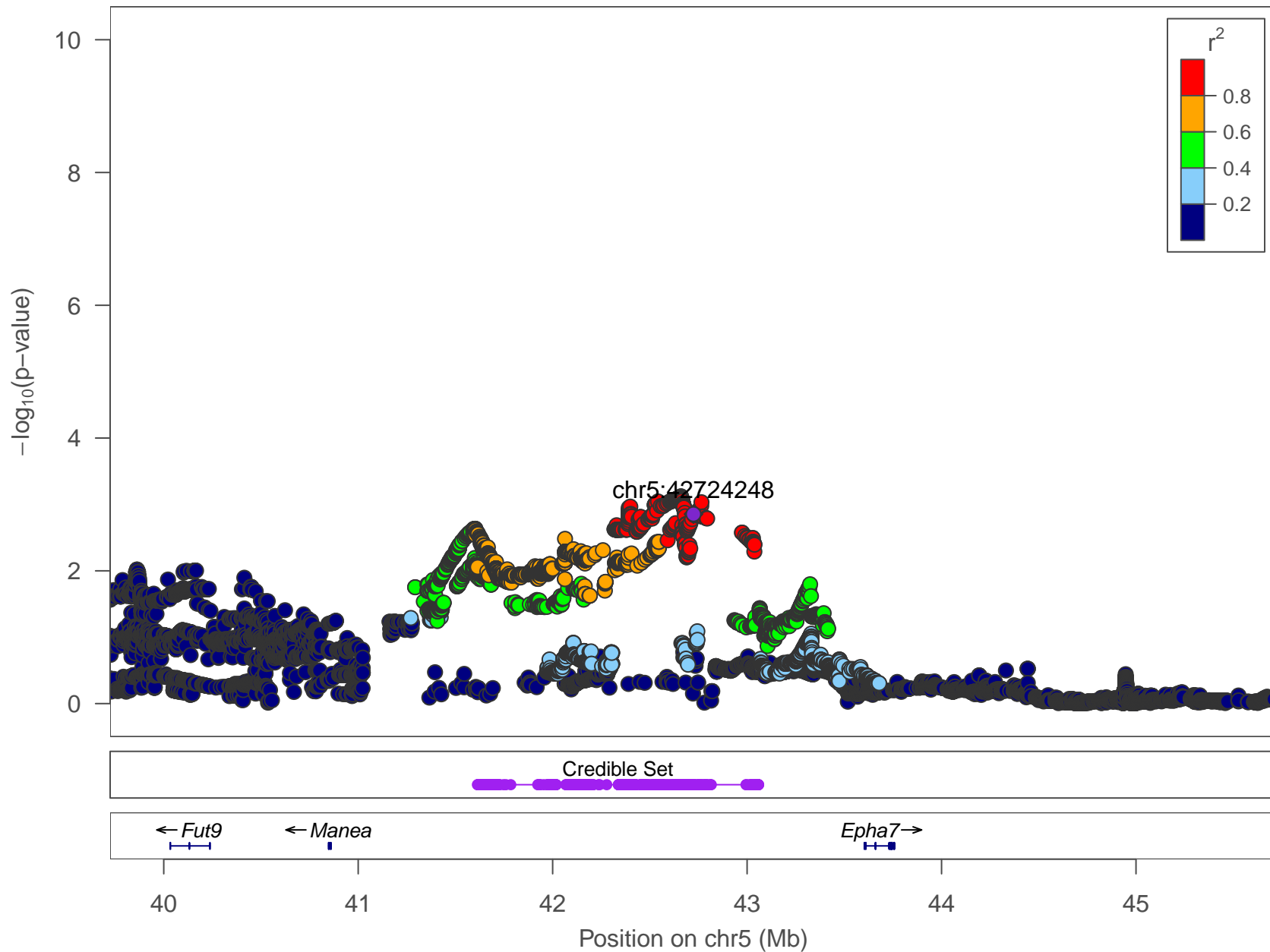
hilite range: 0 – 0 [0 – 0]

reference SNP: chr2:166308959

number of SNPs plotted: 7169

min P-value: 2.53E–3 [chr2:166789964]

max P-value: 9.98E–1 [chr2:164862823]



date: Fri Oct 12 15:05:57 2018

build: P50_round4

display range: chr5:39724248–45724248 [39724248–45724248]

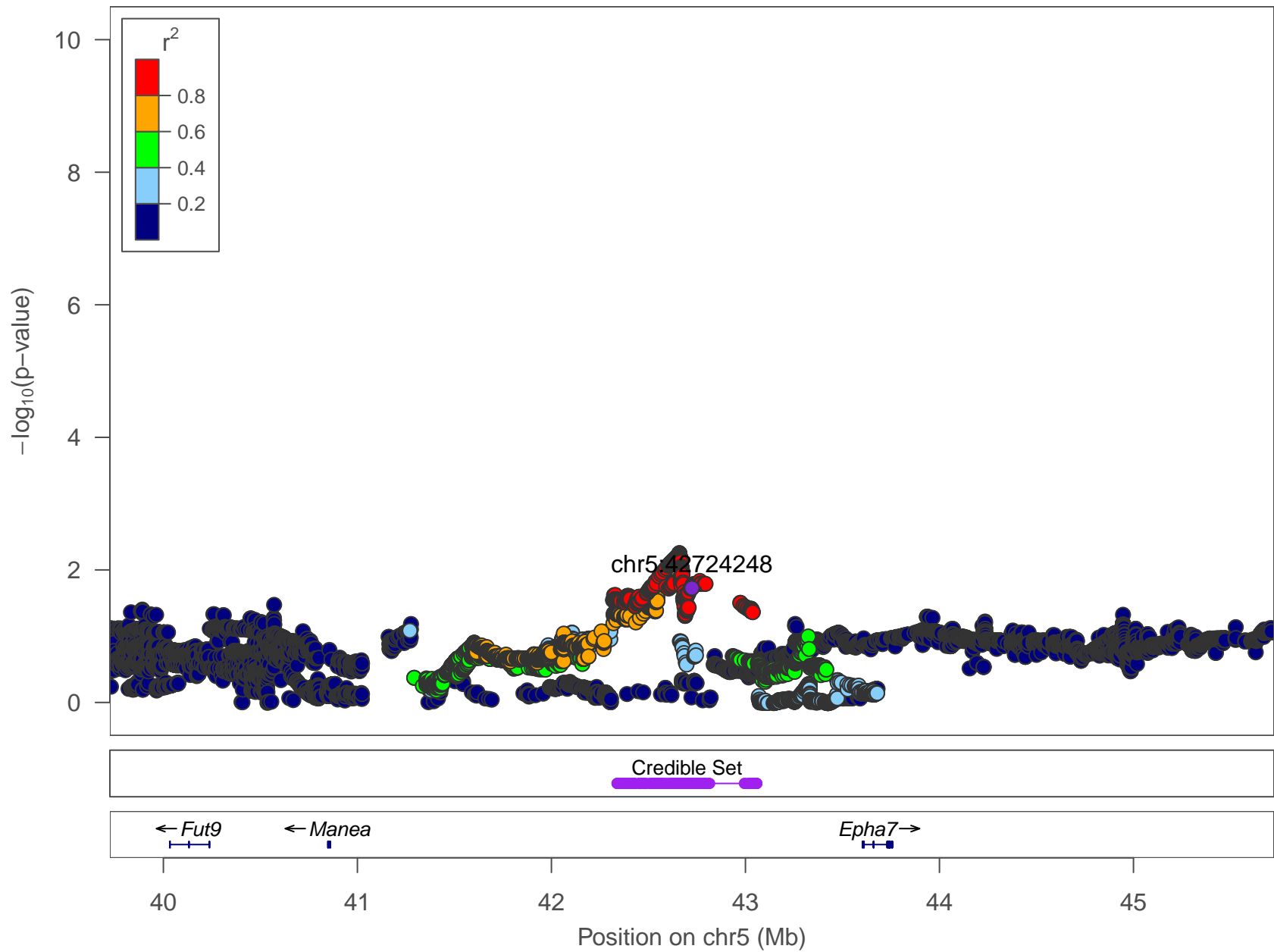
hilite range: 0 – 0 [0 – 0]

reference SNP: chr5:42724248

number of SNPs plotted: 12683

min P-value: 7.64E-4 [chr5:42680333]

max P-value: 10E-1 [chr5:44984142]



date: Fri Oct 12 15:14:41 2018

build: P50_round4

display range: chr5:39724248–45724248 [39724248–45724248]

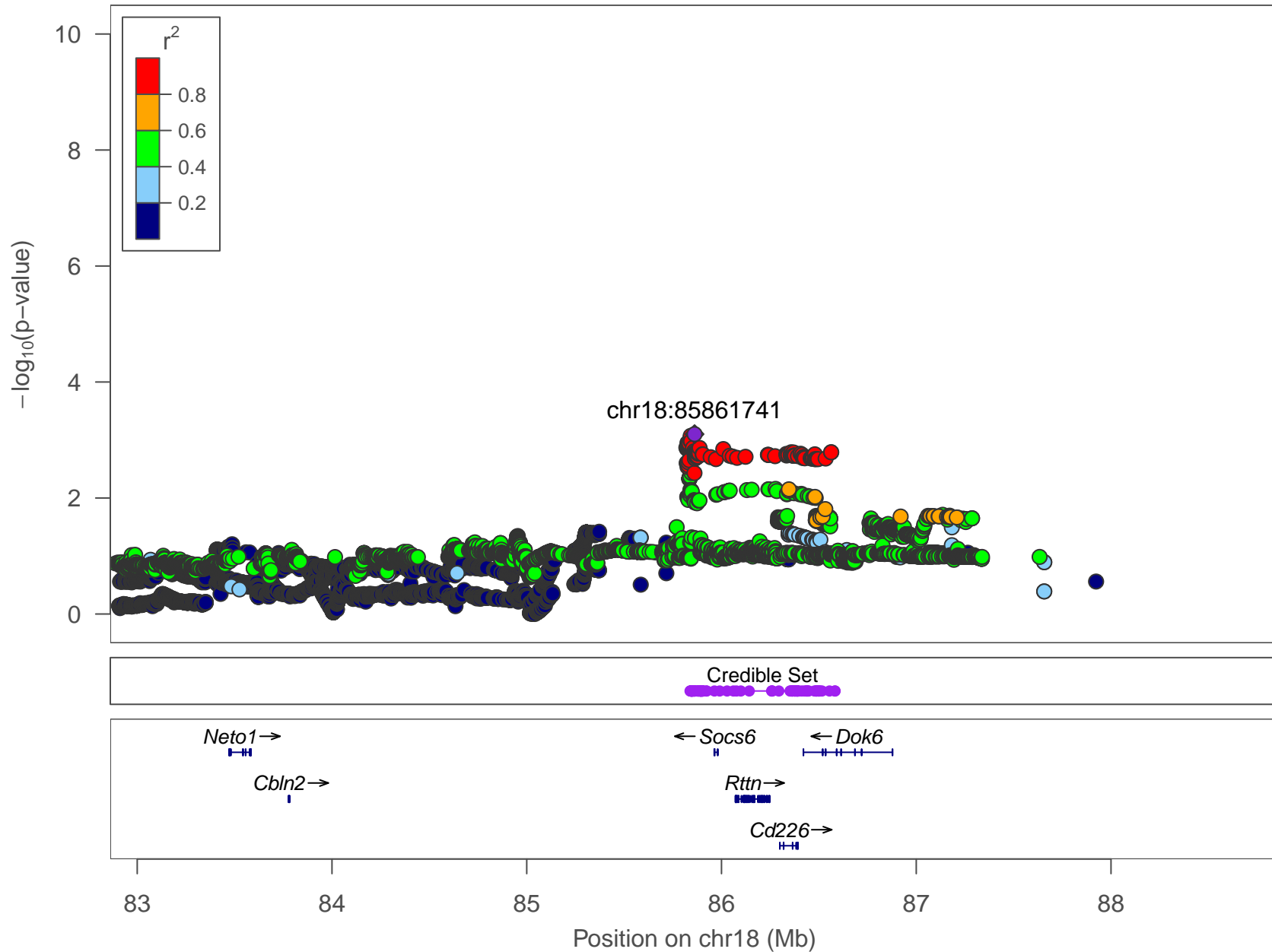
hilite range: 0 – 0 [0 – 0]

reference SNP: chr5:42724248

number of SNPs plotted: 12683

min P-value: 5.43E–3 [chr5:42680333]

max P-value: 9.97E–1 [chr5:43440118]



date: Fri Oct 12 15:18:59 2018

build: P50_round4

display range: chr18:82861741–88861741 [82861741–88861741]

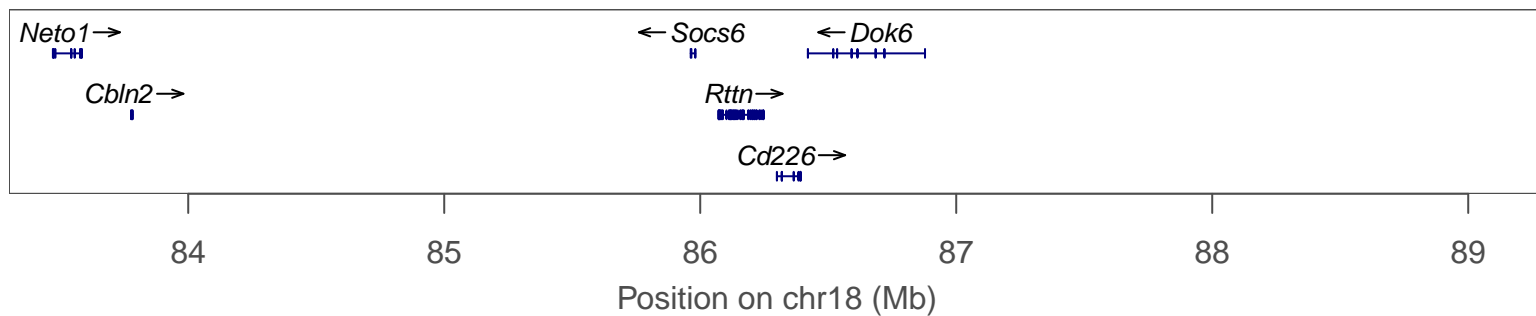
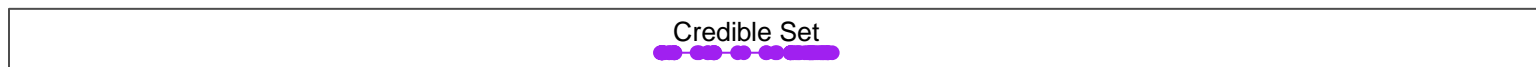
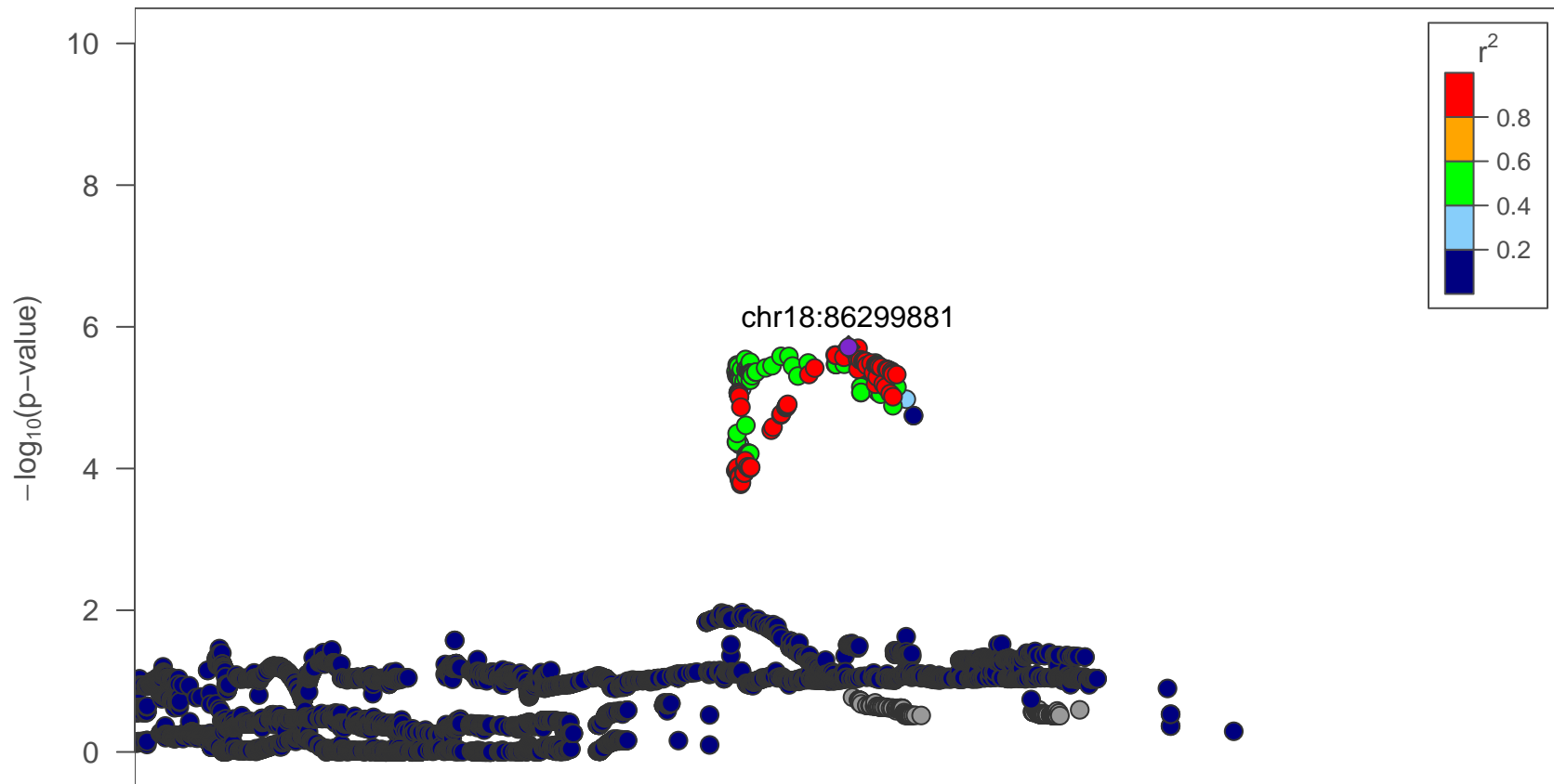
hilite range: 0 – 0 [0 – 0]

reference SNP: chr18:85861741

number of SNPs plotted: 9666

min P-value: 7.92E–4 [chr18:85861741]

max P-value: 9.94E–1 [chr18:85047274]



date: Fri Oct 12 15:12:16 2018

build: P50_round4

display range: chr18:83299881–89299881 [83299881–89299881]

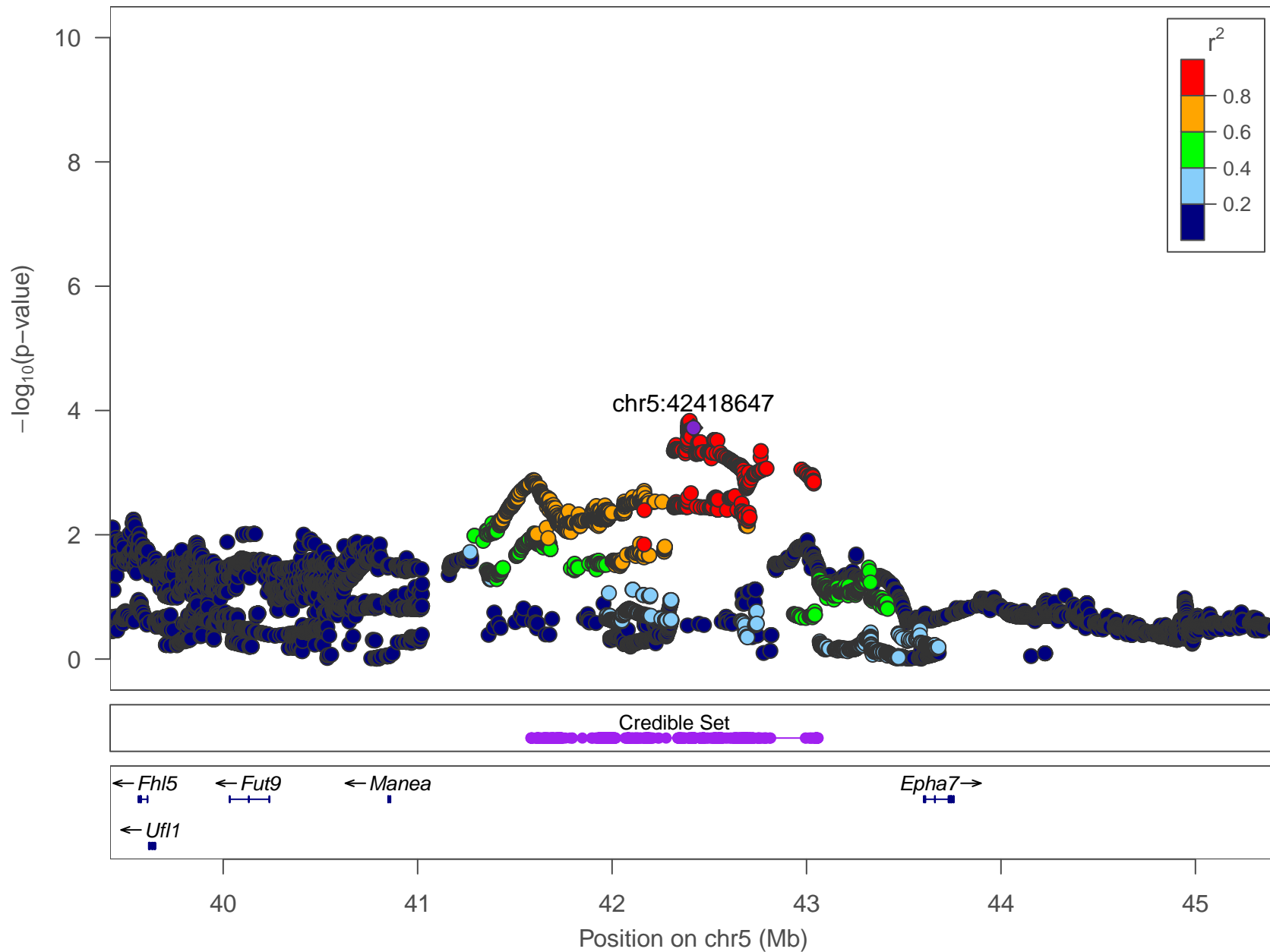
hilite range: 0 – 0 [0 – 0]

reference SNP: chr18:86299881

number of SNPs plotted: 8220

min P-value: 1.93E–6 [chr18:86299881]

max P-value: 10E–1 [chr18:84800267]



date: Fri Oct 12 16:06:23 2018

build: P50_round4

display range: chr5:39418647–45418647 [39418647–45418647]

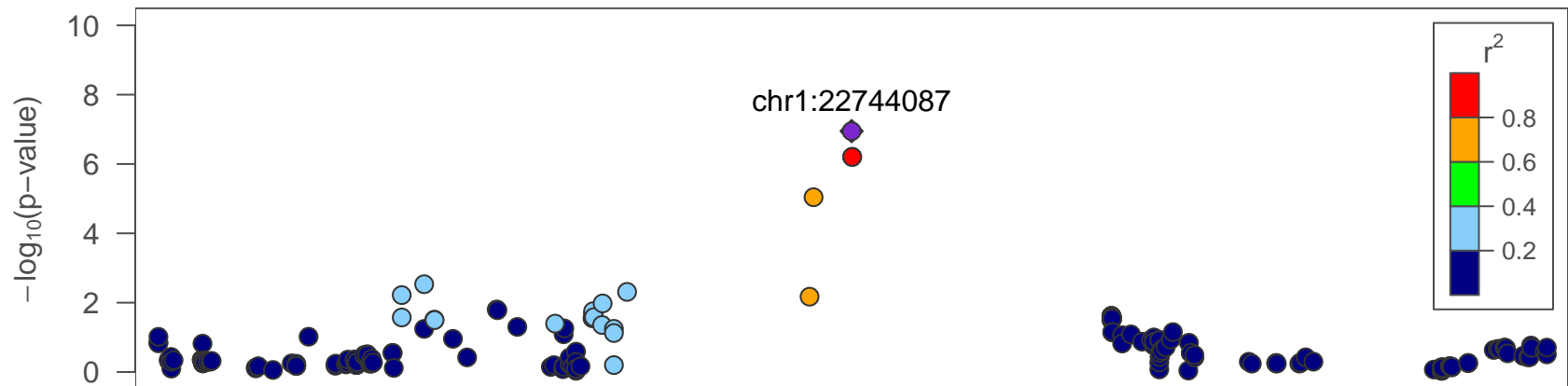
hilite range: 0 – 0 [0 – 0]

reference SNP: chr5:42418647

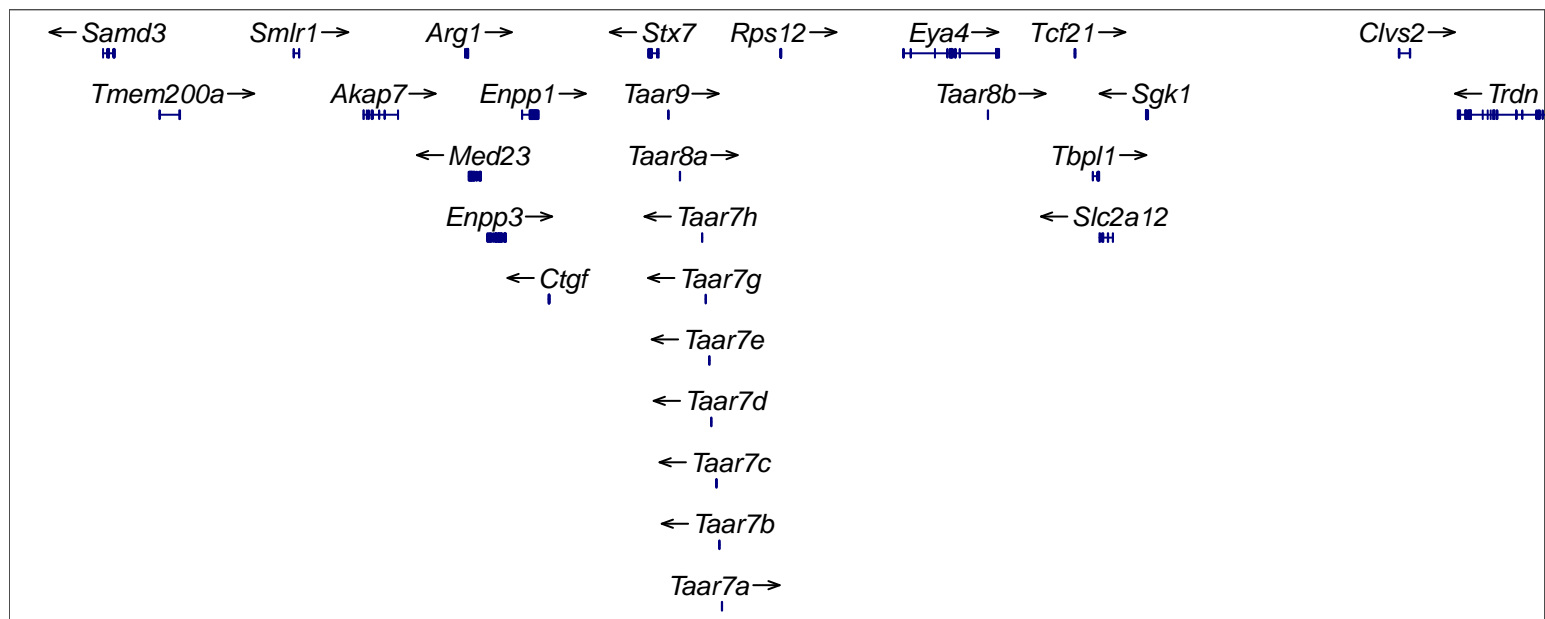
number of SNPs plotted: 13130

min P-value: 1.49E–4 [chr5:42419359]

max P-value: 9.97E–1 [chr5:43598825]



Credible Set



9 genes omitted

Position on chr1 (Mb)

date: Fri Oct 12 16:14:26 2018

build: P50_round4

display range: chr1:19744087–25744087 [19744087–25744087]

hilite range: 0 – 0 [0 – 0]

reference SNP: chr1:22744087

number of SNPs plotted: 190

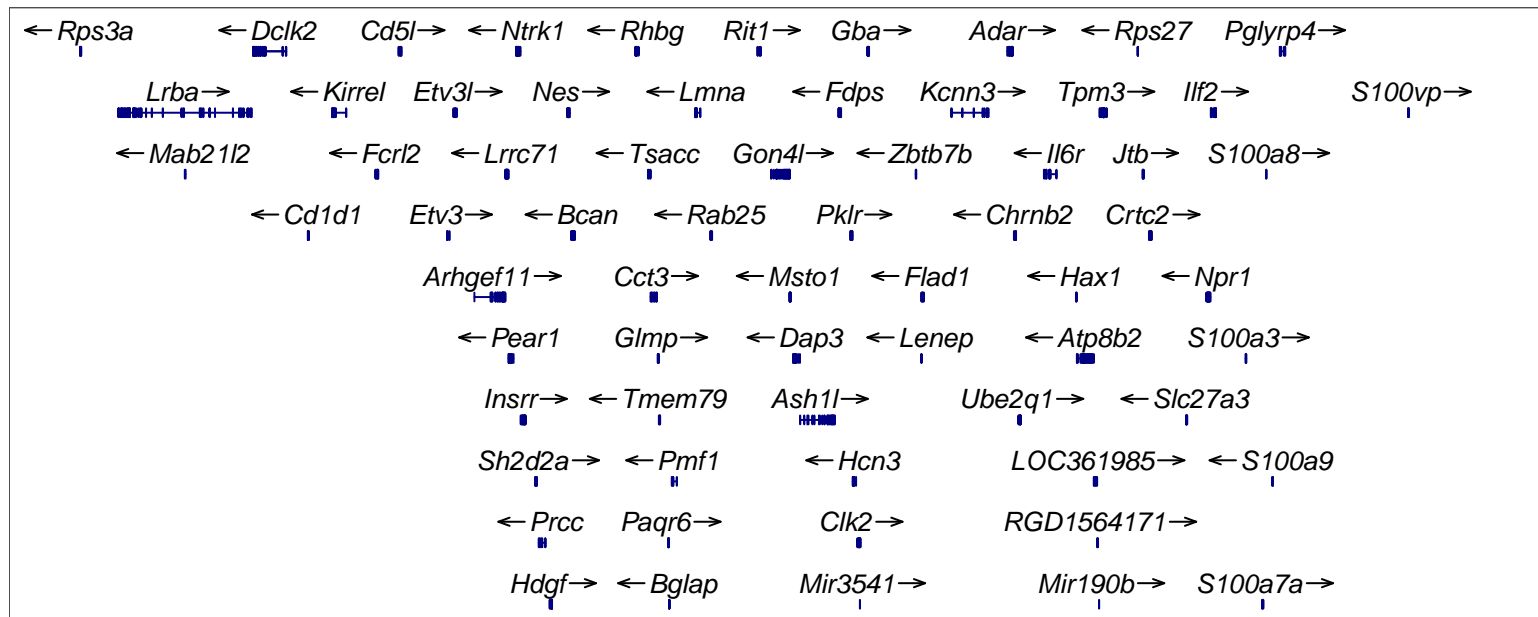
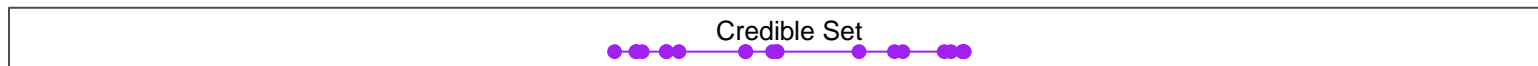
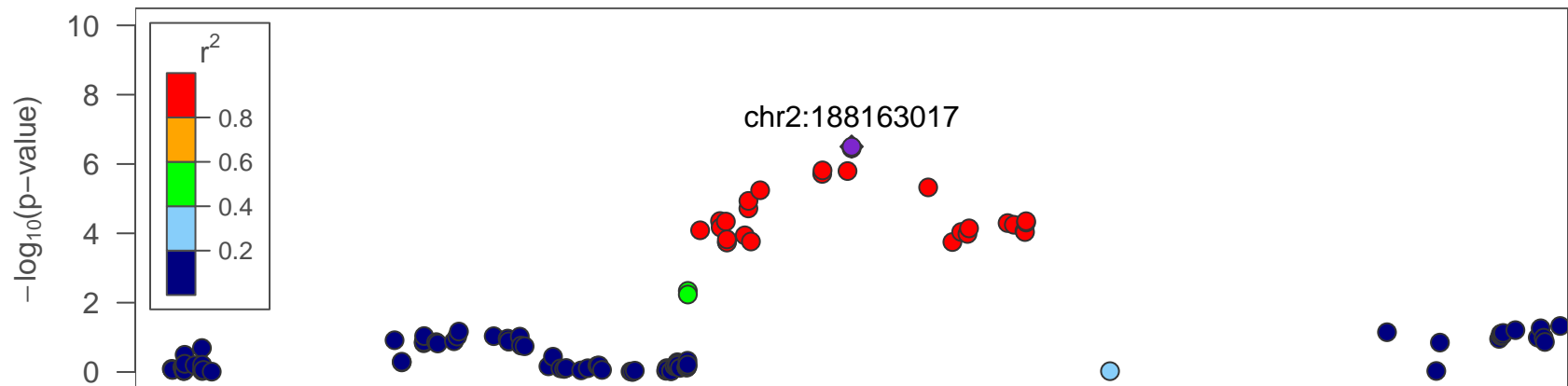
min P-value: 1.13E-7 [chr1:22744087]

max P-value: 9.26E-1 [chr1:25214940]

omitted Genes: Taar6, Taar5, Taar4

omitted Genes: Taar3, Taar2, Taar1

omitted Genes: Vnn1, Vnn3, LOC100910237



50 genes omitted

186 187 188 189 190 191
Position on chr2 (Mb)

date: Fri Oct 12 16:16:29 2018

build: P50_round4

display range: chr2:185163017–191163017 [185163017–191163017]

hilite range: 0 – 0 [0 – 0]

reference SNP: chr2:188163017

number of SNPs plotted: 116

min P-value: 3.15E-7 [chr2:188163017]

max P-value: 9.98E-1 [chr2:187245161]

omitted Genes: mrpl24, Rrnad1, lsg20l2

omitted Genes: Crabp2, Hapln2, Gpatch4

omitted Genes: Naxe, lqgap3, Mef2d

omitted Genes: Mir3597-1, Mir9-1, Slc25a44

omitted Genes: Sema4a, Lamtor2, Ubqln4

omitted Genes: Ssr2, Arhgef2, Syt11

omitted Genes: Scamp3, Fam189b, Mtx1

omitted Genes: Thbs3, Mir92b, Muc1

omitted Genes: Trim46, Krtcap2, Dpm3

omitted Genes: Slc50a1, Efna1, LOC102550325

omitted Genes: Efna4, Adam15, Cks1b

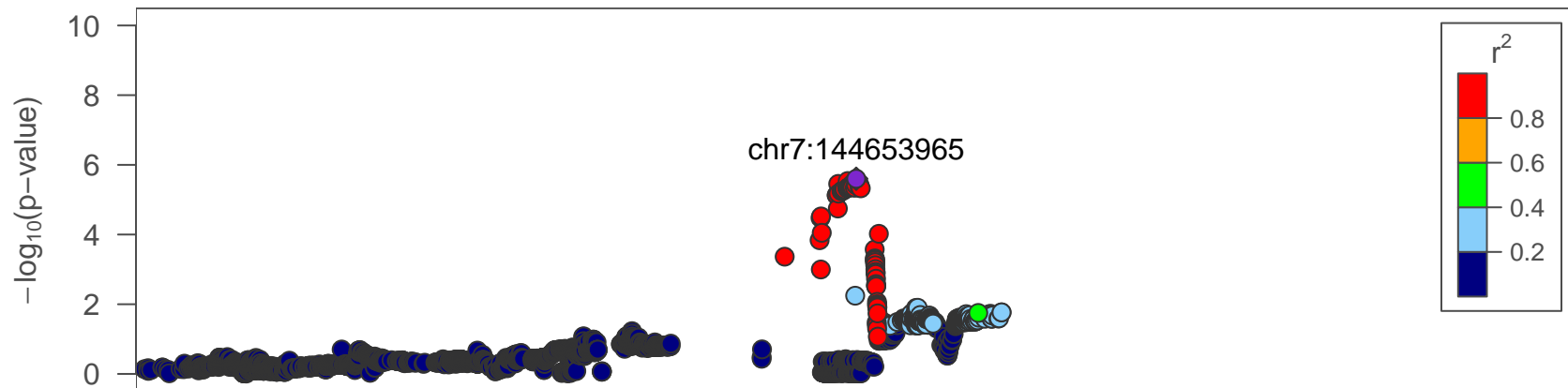
omitted Genes: Shc1, Pygo2, Pbxip1

omitted Genes: Pmvk, Nup210l, Rab13

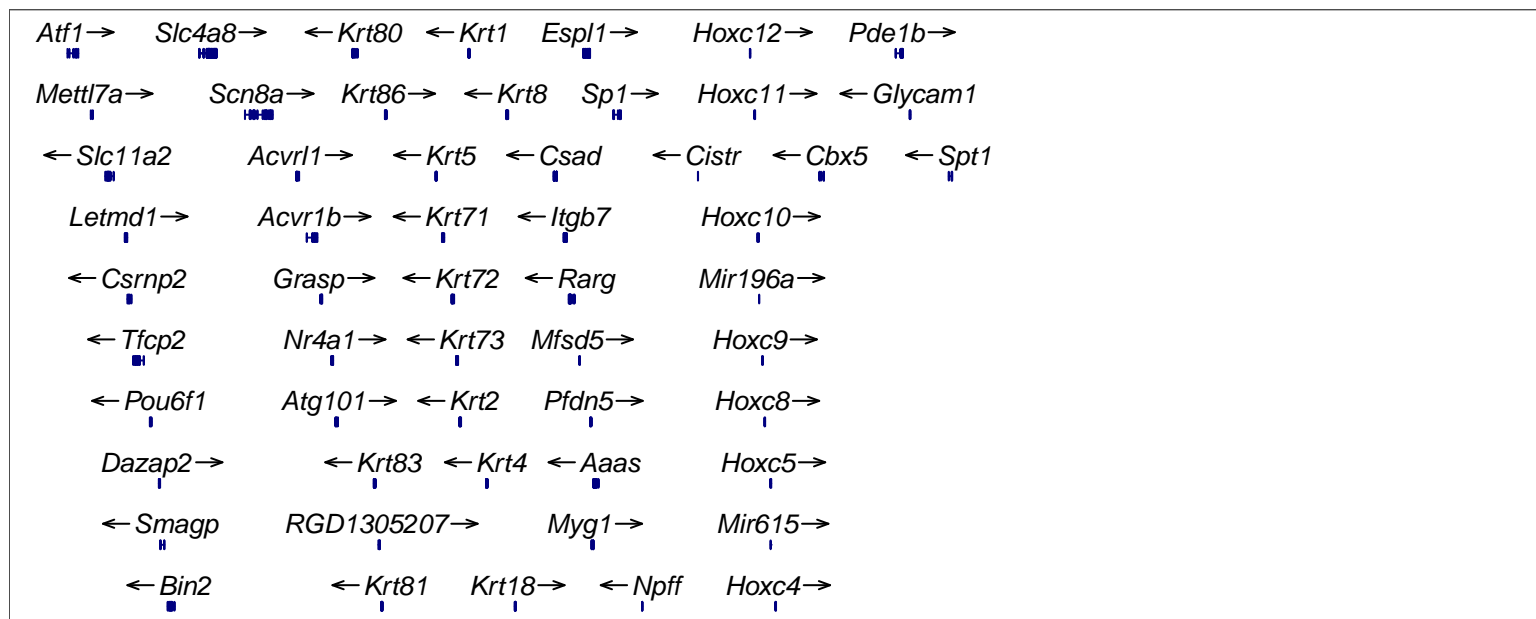
omitted Genes: Creb3l4, Slc39a1, Gatad2b

Make more plots at <http://csg.sph.umich.edu/locuszoom/>

omitted Genes: Snapin, LOC361990, S100a1



Credible Set



36 genes omitted

142 143 144 145 146 147
Position on chr7 (Mb)

date: Fri Oct 12 16:10:41 2018

build: P50_round4

display range: chr7:141653965–147653965 [141653965–147653965]

hilite range: 0 – 0 [0 – 0]

reference SNP: chr7:144653965

number of SNPs plotted: 3413

min P-value: 2.5E–6 [chr7:144653965]

max P-value: 9.74E–1 [chr7:142114193]

omitted Genes: Cela1, Galnt6, LOC103692984

omitted Genes: Kb23, Krt85, Krt84

omitted Genes: Krt82, Kb15, Krt75

omitted Genes: Krt77, Krt76, Eif4b

omitted Genes: Spryd3, Igfbp6, Soat2

omitted Genes: Sp7, Amhr2, Prr13

omitted Genes: Pcbp2, Map3k12, Tarbp2

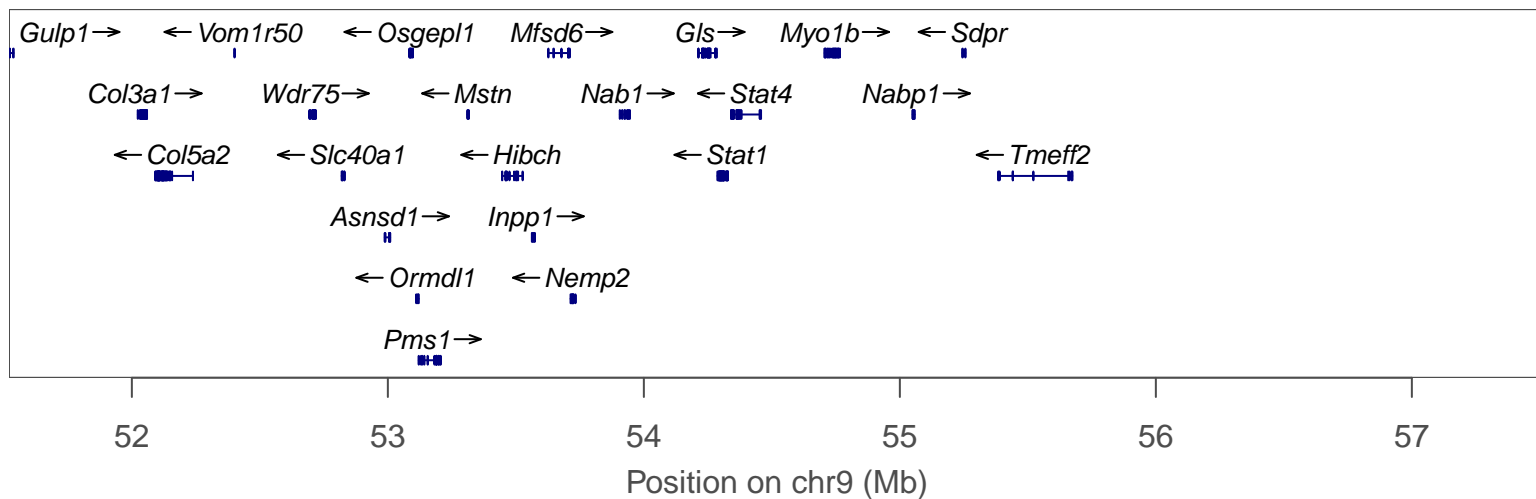
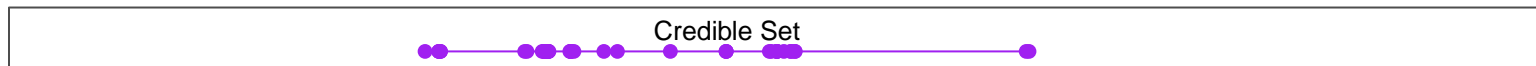
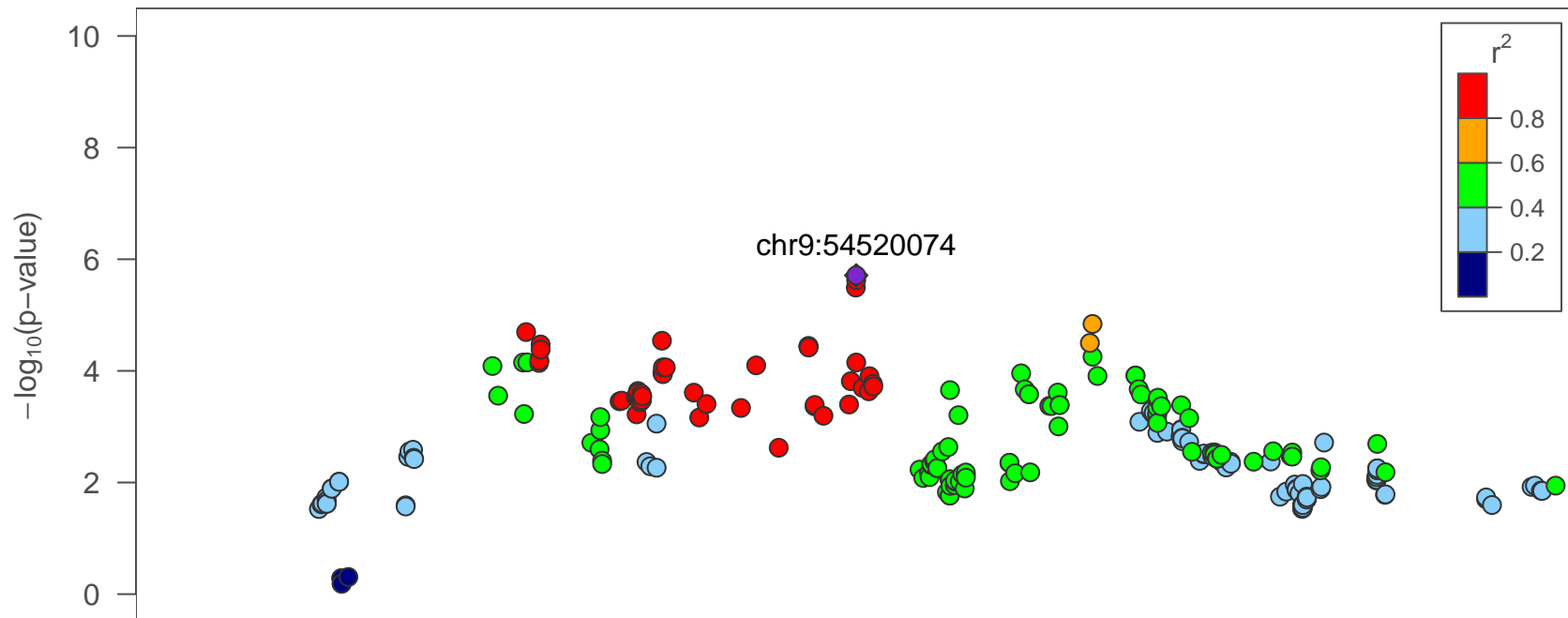
omitted Genes: Atf7, Atp5g2, Calcoco1

omitted Genes: Smug1, Hnrnpa1, Nfe2

omitted Genes: Copz1, Mir148b, Gpr84

omitted Genes: Zfp385a, Itga5, Gtsf1

omitted Genes: RGD1563200, Nckap1l, Ppp1r1a



date: Fri Oct 12 16:18:37 2018

build: P50_round4

display range: chr9:51520074–57520074 [51520074–57520074]

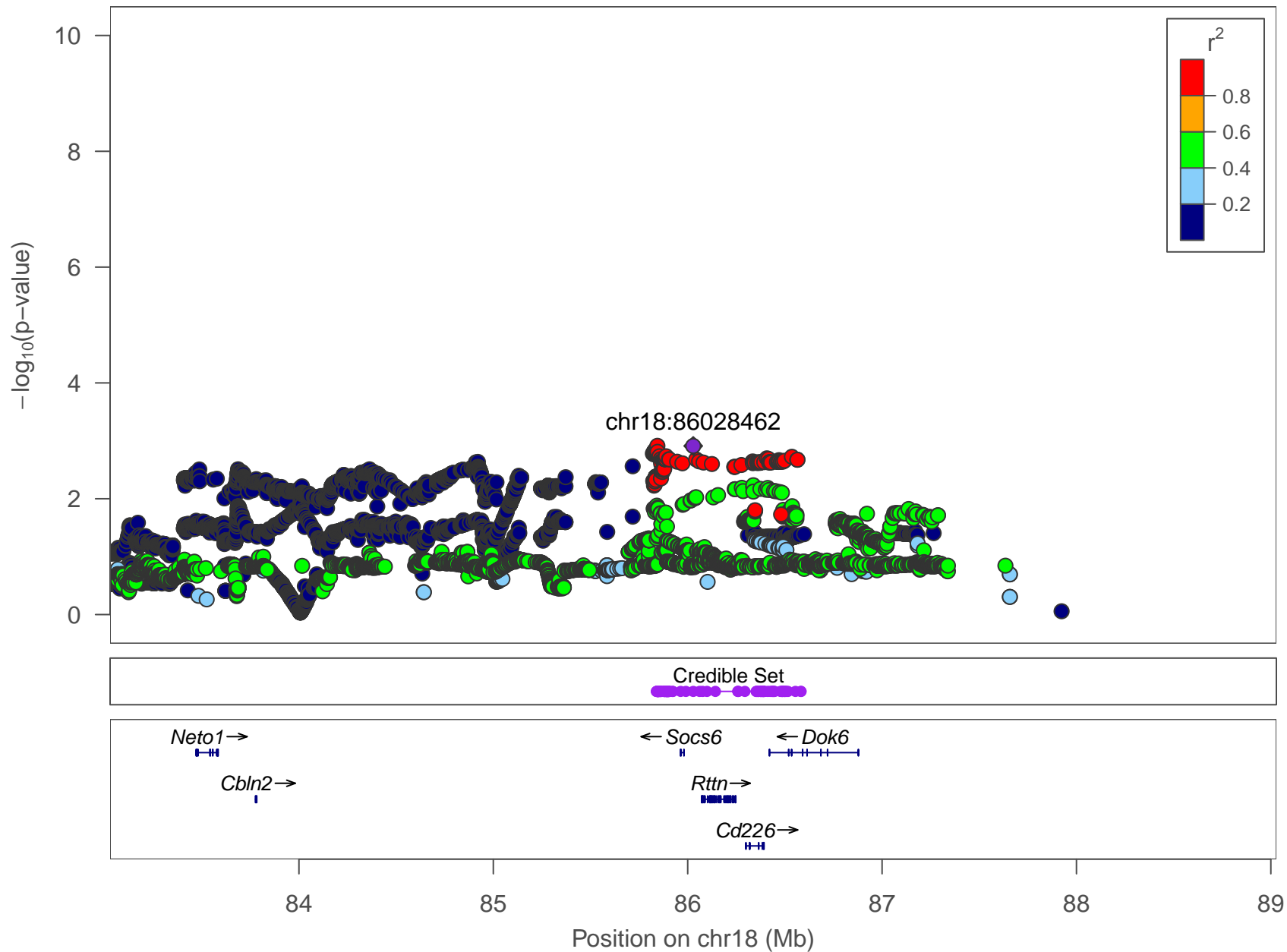
hilite range: 0 – 0 [0 – 0]

reference SNP: chr9:54520074

number of SNPs plotted: 239

min P-value: 1.94E–6 [chr9:54520074]

max P-value: 6.49E–1 [chr9:52376963]



date: Fri Oct 12 16:12:31 2018

build: P50_round4

display range: chr18:83028462–89028462 [83028462–89028462]

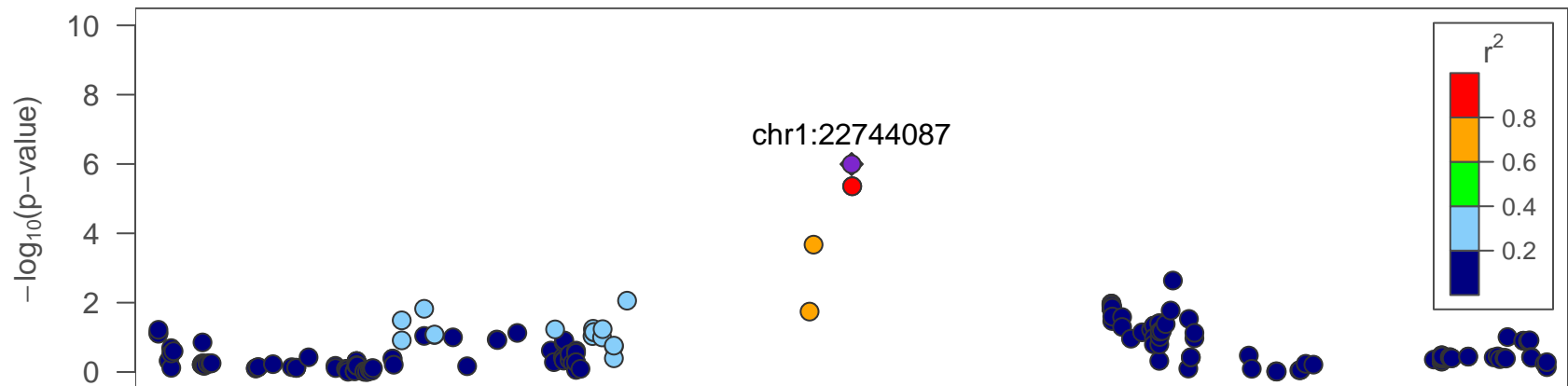
hilite range: 0 – 0 [0 – 0]

reference SNP: chr18:86028462

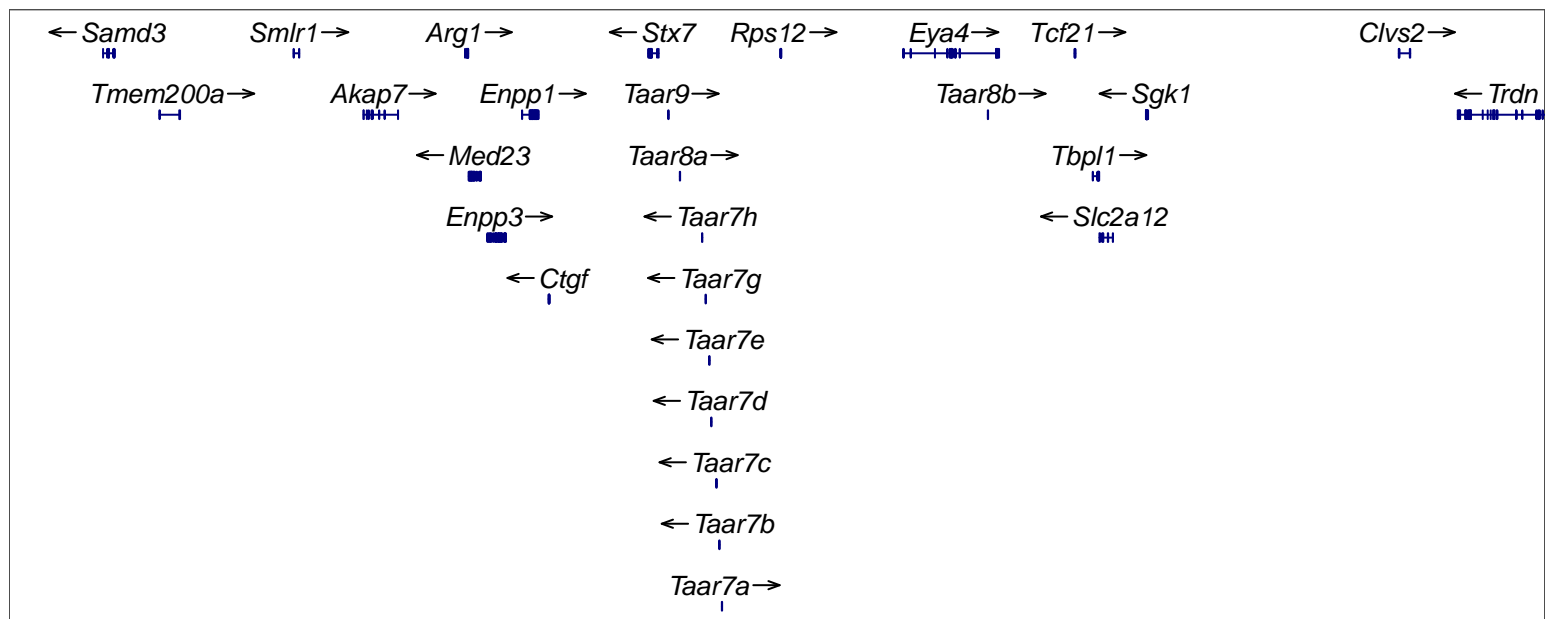
number of SNPs plotted: 9252

min P-value: 1.2E–3 [chr18:85861741]

max P-value: 9.17E–1 [chr18:84010110]



Credible Set



9 genes omitted

20 21 22 23 24 25

Position on chr1 (Mb)

date: Fri Oct 12 16:27:58 2018

build: P50_round4

display range: chr1:19744087–25744087 [19744087–25744087]

hilite range: 0 – 0 [0 – 0]

reference SNP: chr1:22744087

number of SNPs plotted: 190

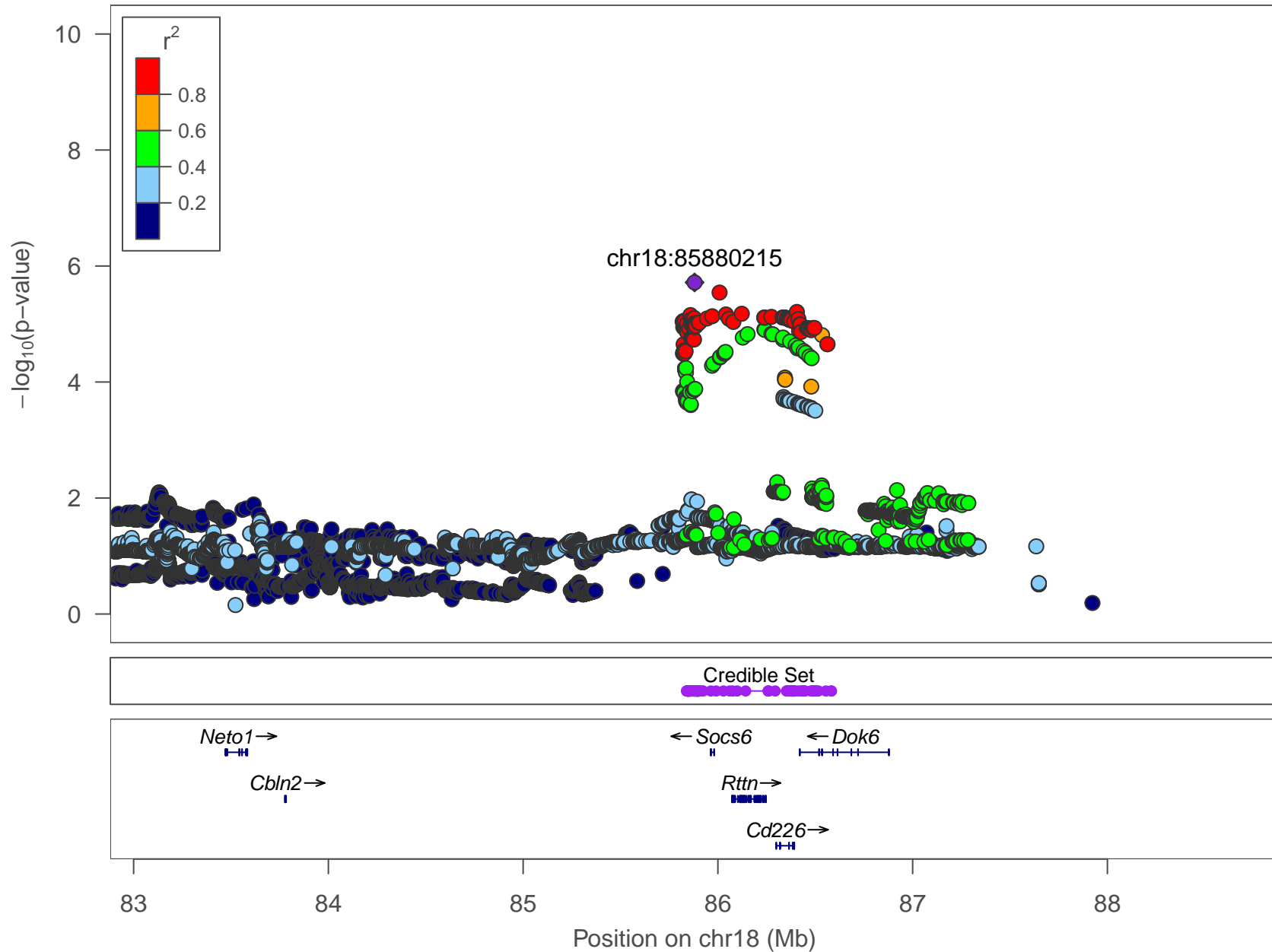
min P-value: 1.01E–6 [chr1:22744087]

max P-value: 9.94E–1 [chr1:20704116]

omitted Genes: Taar6, Taar5, Taar4

omitted Genes: Taar3, Taar2, Taar1

omitted Genes: Vnn1, Vnn3, LOC100910237



date: Fri Oct 12 16:23:03 2018

build: P50_round4

display range: chr18:82880215–88880215 [82880215–88880215]

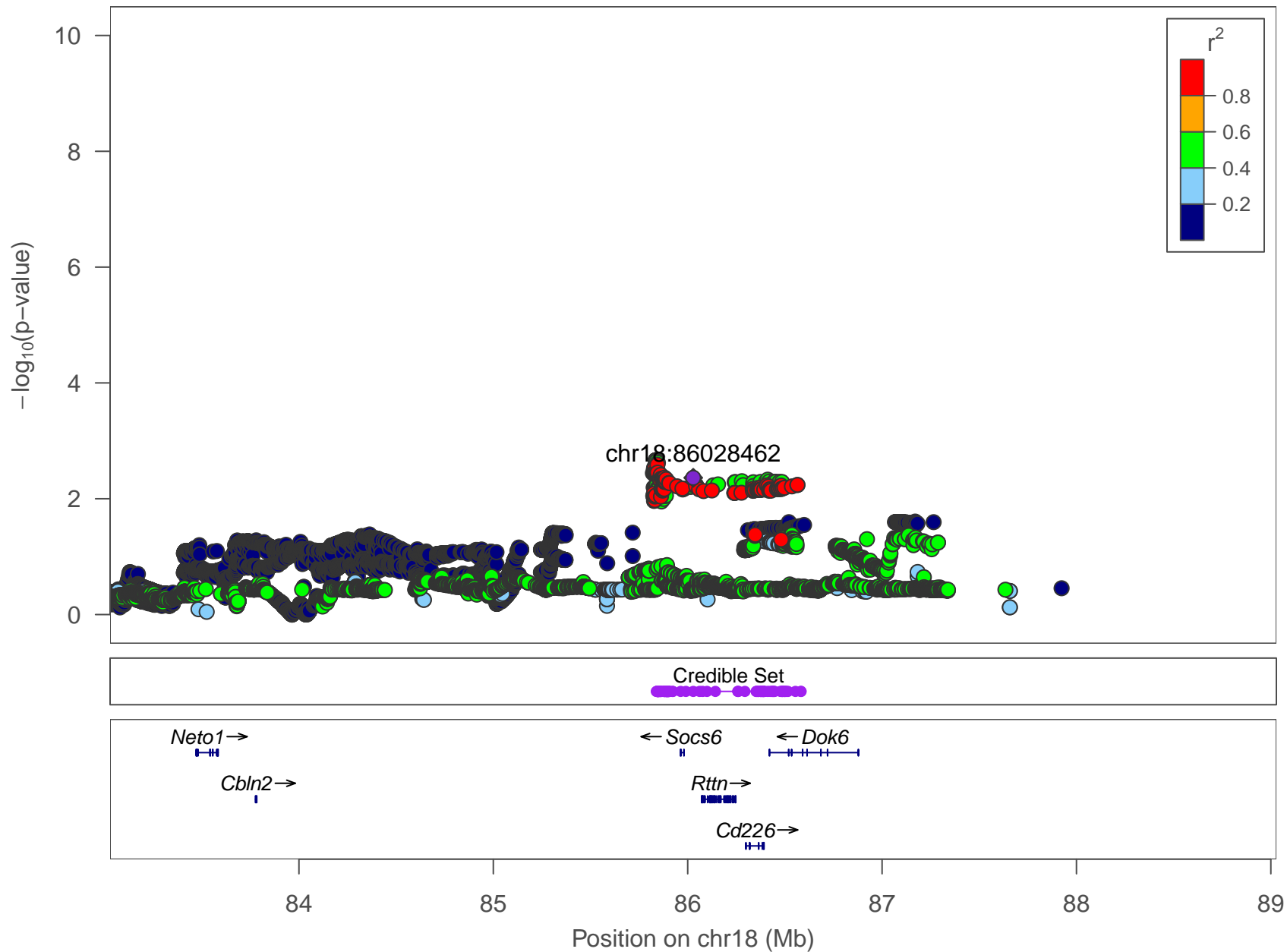
hilite range: 0 – 0 [0 – 0]

reference SNP: chr18:85880215

number of SNPs plotted: 9666

min P-value: 1.92E–6 [chr18:85880215]

max P-value: 6.97E–1 [chr18:83532510]



date: Fri Oct 12 16:27:50 2018

build: P50_round4

display range: chr18:83028462–89028462 [83028462–89028462]

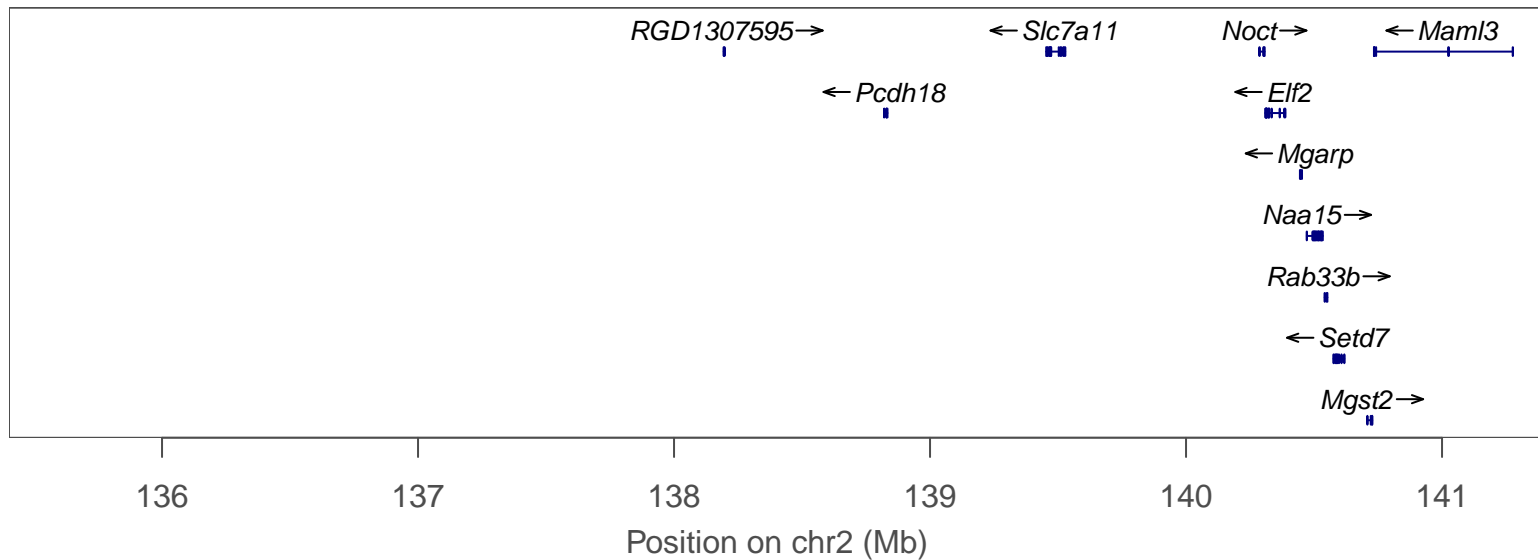
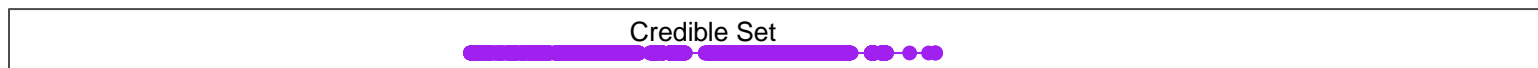
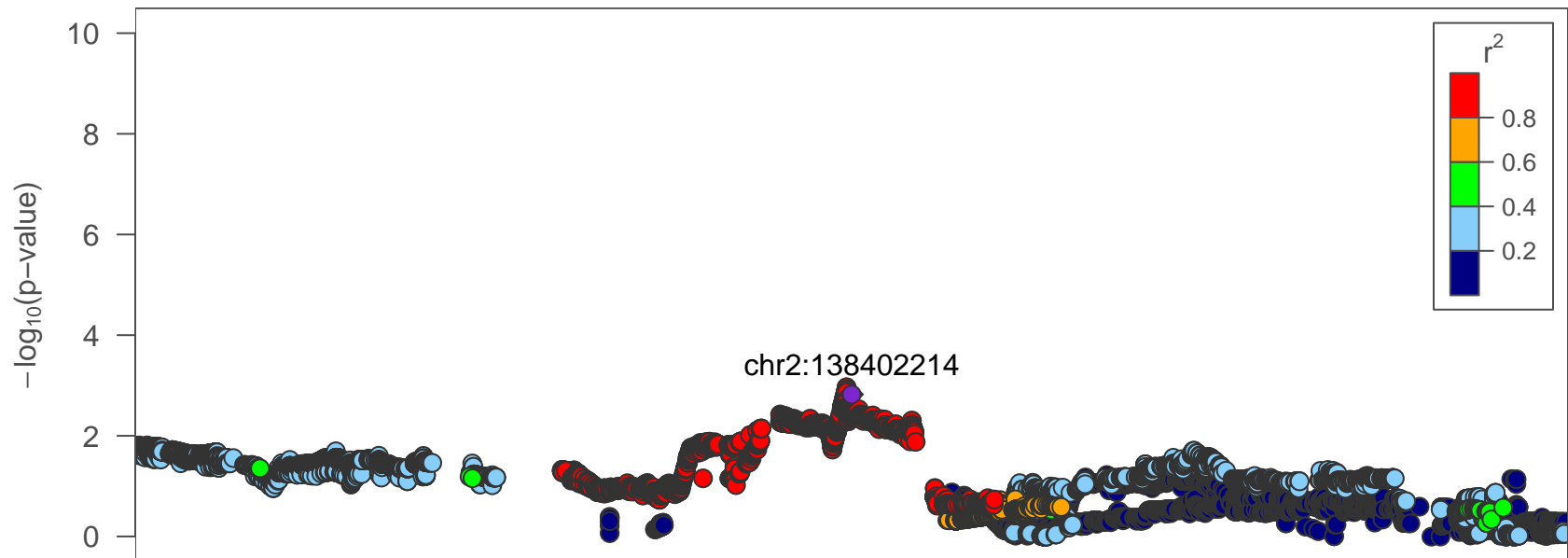
hilite range: 0 – 0 [0 – 0]

reference SNP: chr18:86028462

number of SNPs plotted: 9252

min P-value: 2.15E–3 [chr18:85850262]

max P-value: 9.98E–1 [chr18:83967224]



date: Fri Oct 12 16:51:25 2018

build: P50_round4

display range: chr2:135402214–141402214 [135402214–141402214]

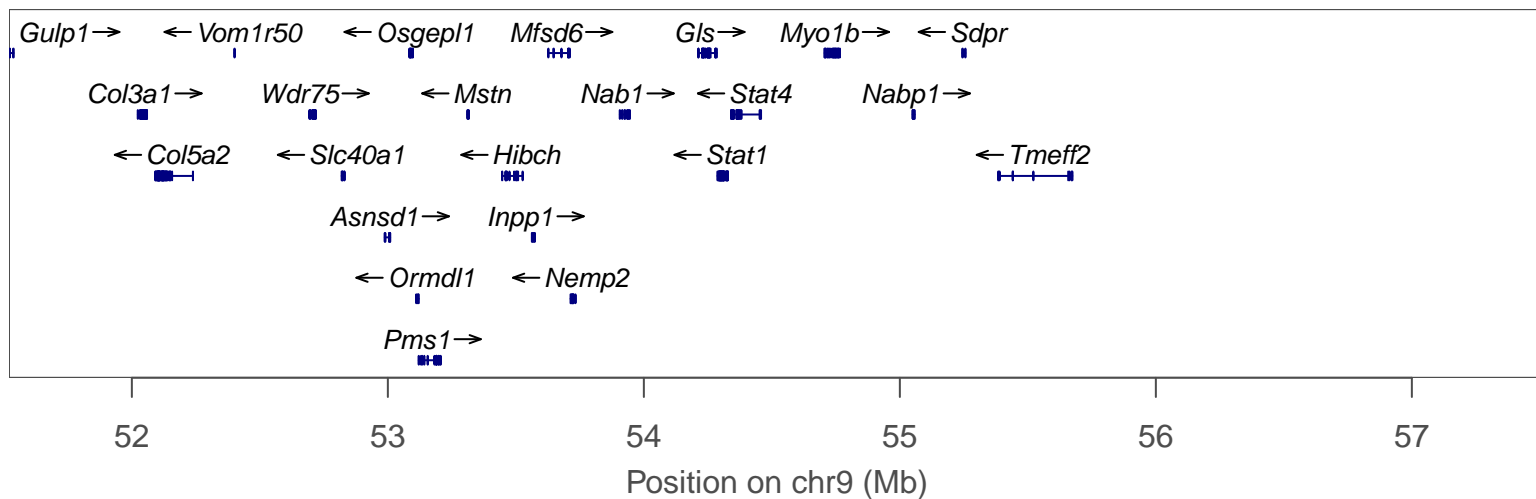
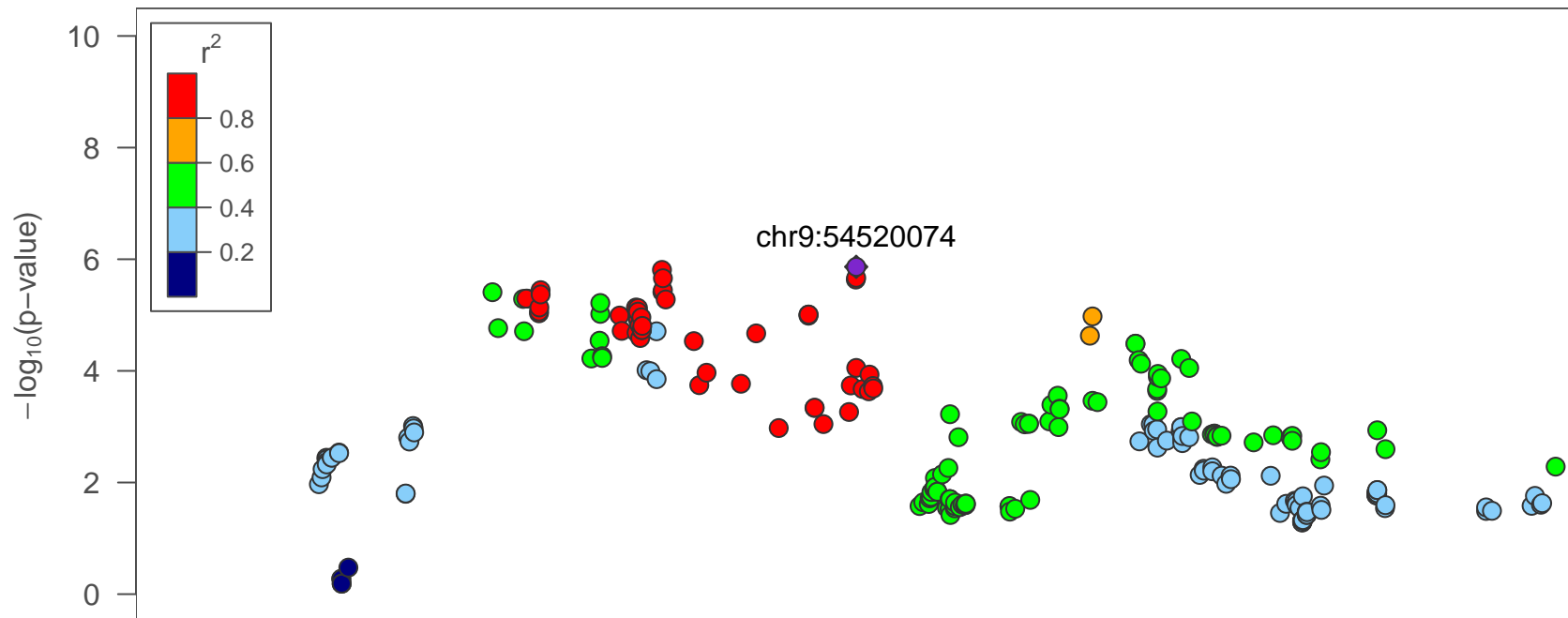
hilite range: 0 – 0 [0 – 0]

reference SNP: chr2:138402214

number of SNPs plotted: 11144

min P-value: 1.05E–3 [chr2:138401563]

max P-value: 9.99E–1 [chr2:141149888]



date: Fri Oct 12 16:52:56 2018

build: P50_round4

display range: chr9:51520074–57520074 [51520074–57520074]

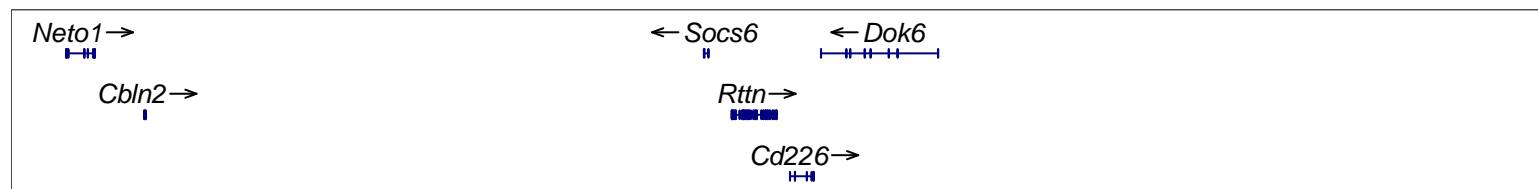
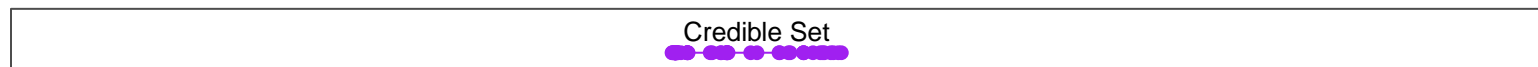
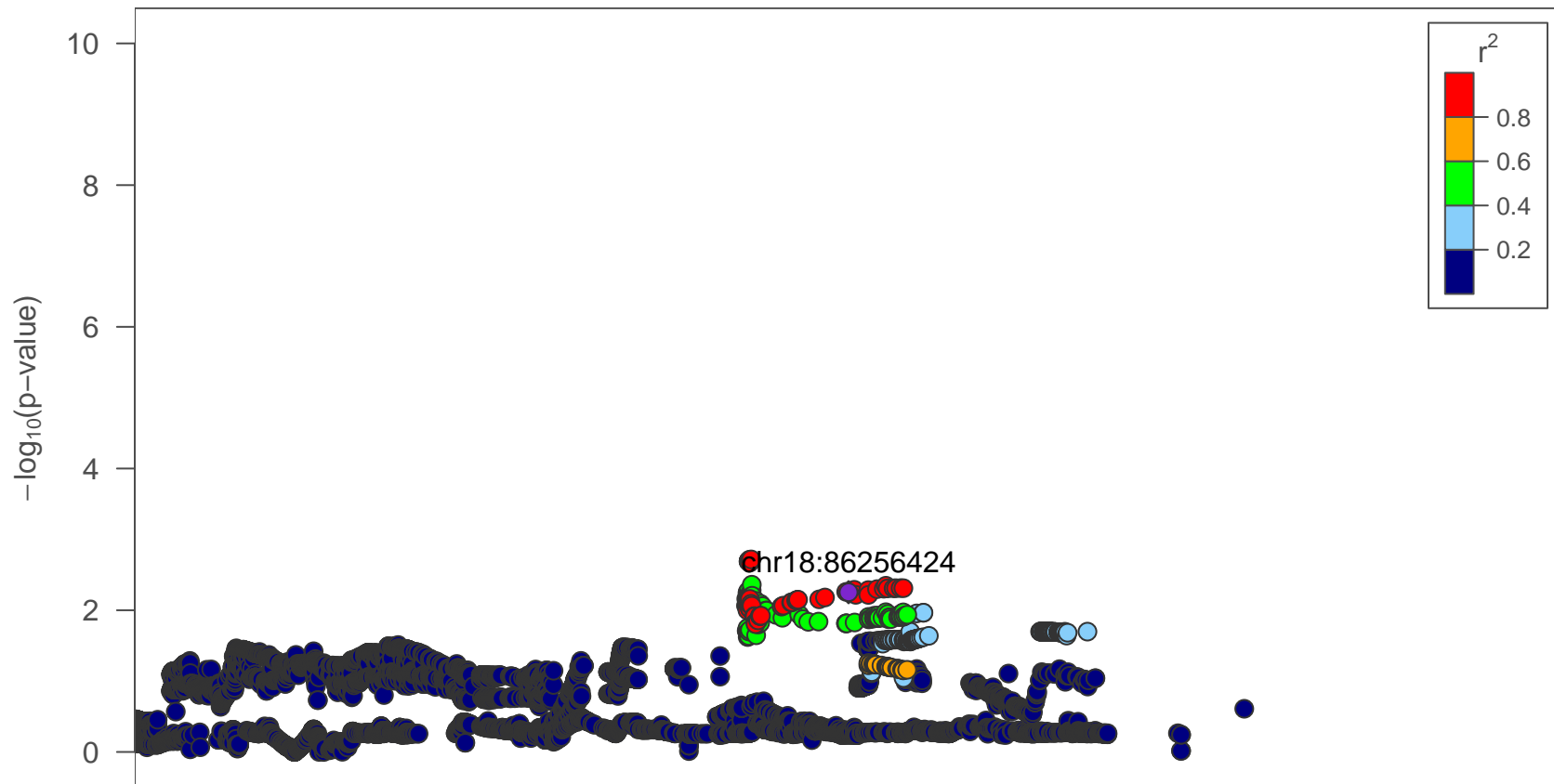
hilite range: 0 – 0 [0 – 0]

reference SNP: chr9:54520074

number of SNPs plotted: 239

min P-value: 1.37E–6 [chr9:54520074]

max P-value: 6.49E–1 [chr9:52376963]



84 85 86 87 88 89

Position on chr18 (Mb)

date: Fri Oct 12 16:52:49 2018

build: P50_round4

display range: chr18:83256424–89256424 [83256424–89256424]

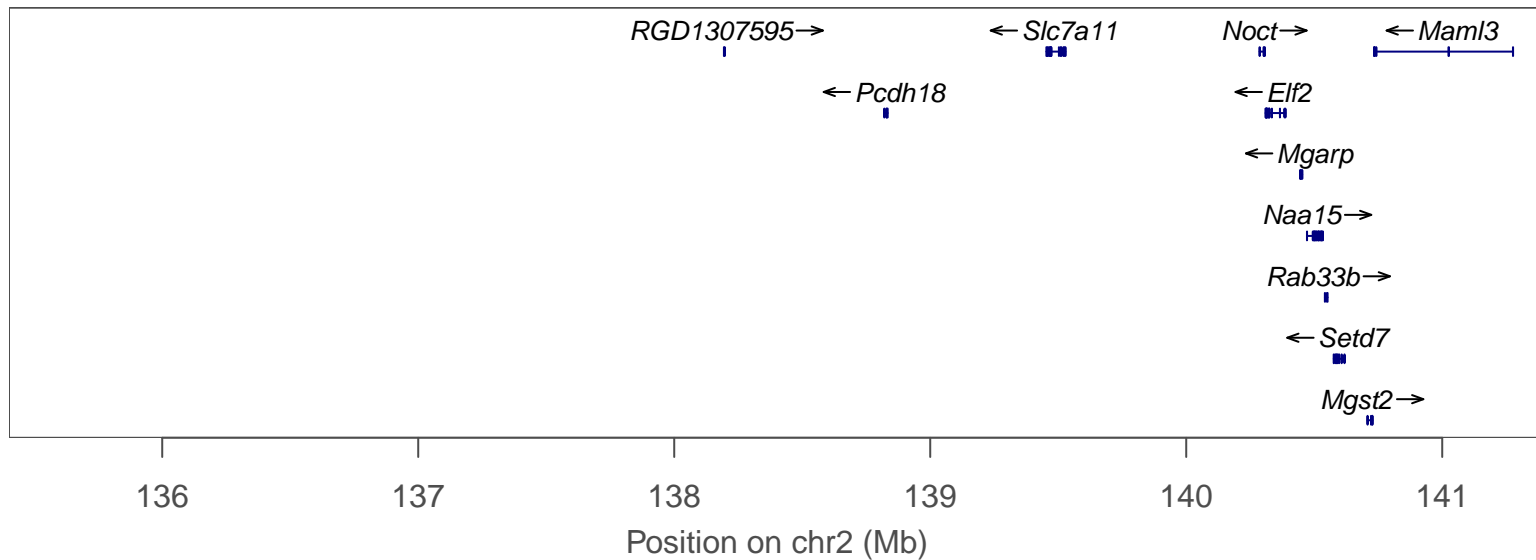
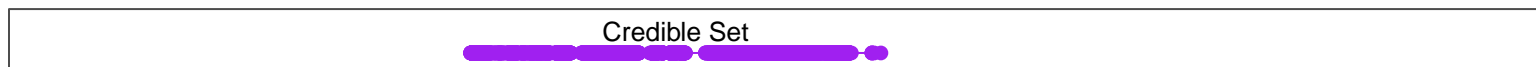
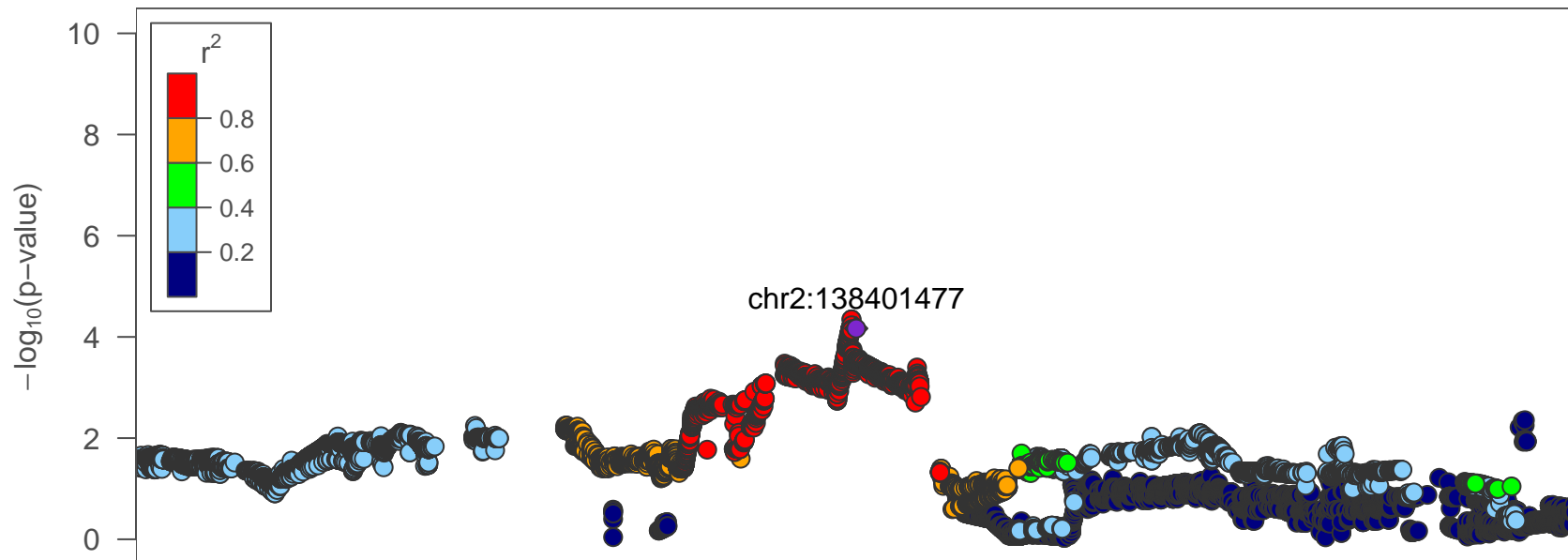
hilite range: 0 – 0 [0 – 0]

reference SNP: chr18:86256424

number of SNPs plotted: 8447

min P-value: 1.93E–3 [chr18:85860095]

max P-value: 10E–1 [chr18:84052952]



date: Fri Oct 12 16:53:51 2018

build: P50_round4

display range: chr2:135401477–141401477 [135401477–141401477]

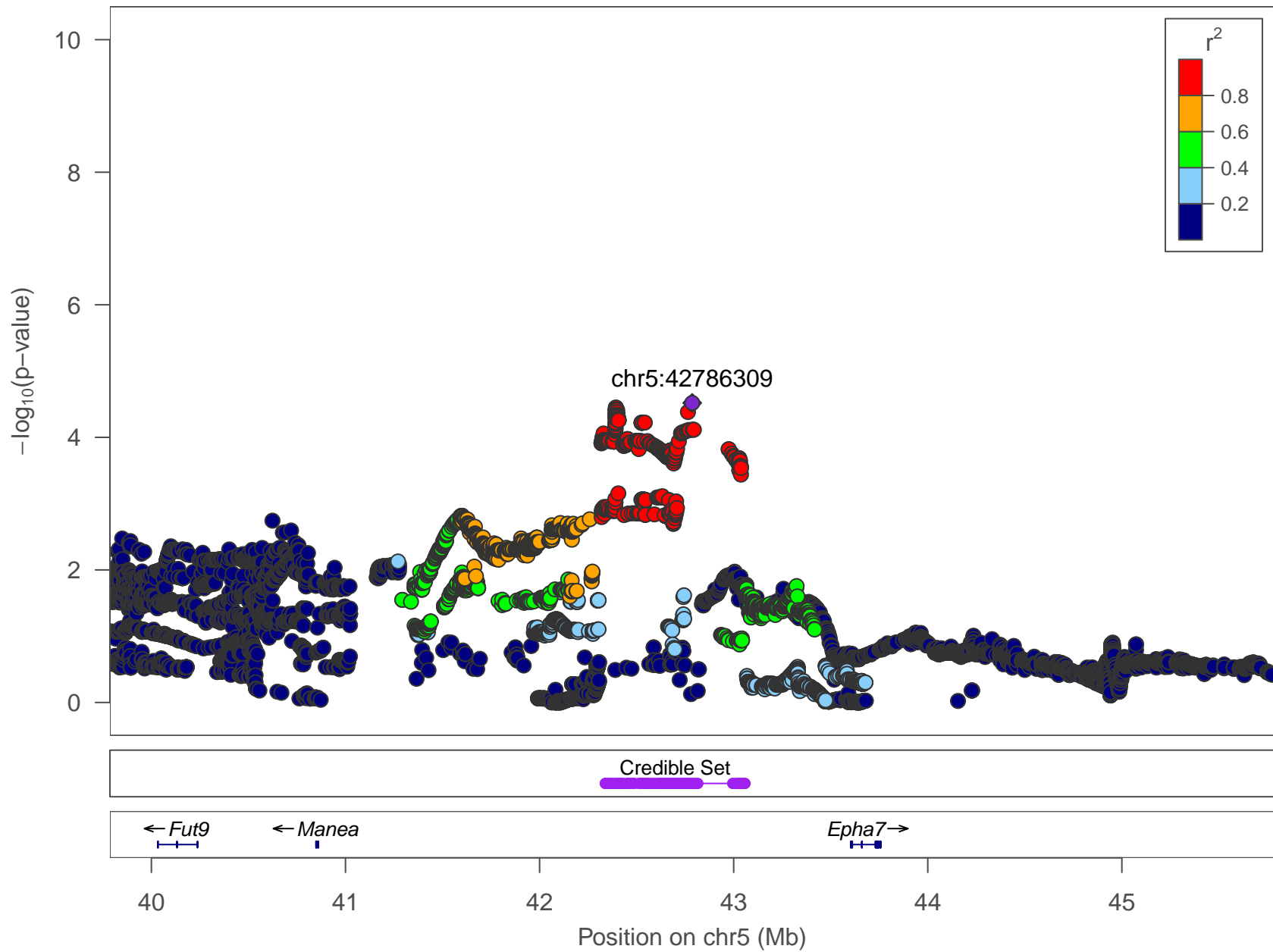
hilite range: 0 – 0 [0 – 0]

reference SNP: chr2:138401477

number of SNPs plotted: 11143

min P-value: 4.37E–5 [chr2:138401563]

max P-value: 9.37E–1 [chr2:139269869]



date: Fri Oct 12 16:55:12 2018

build: P50_round4

display range: chr5:39786309–45786309 [39786309–45786309]

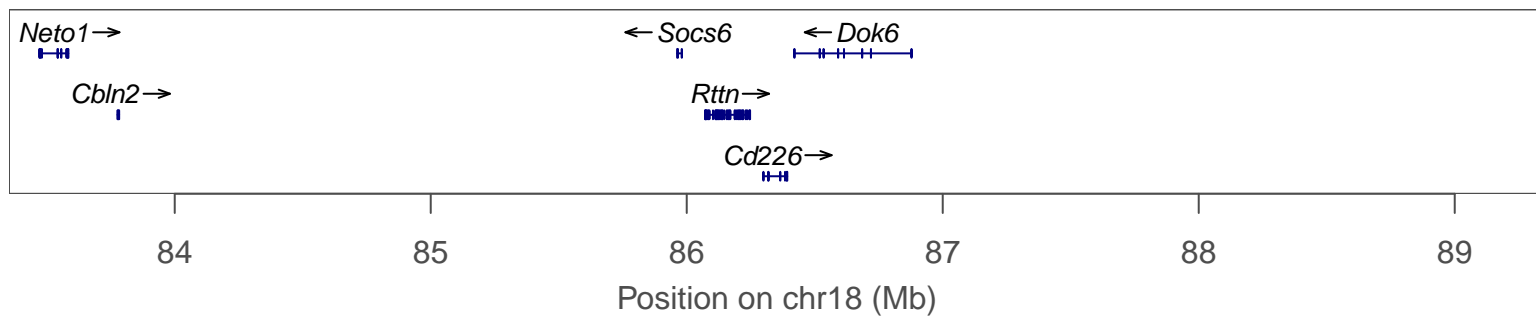
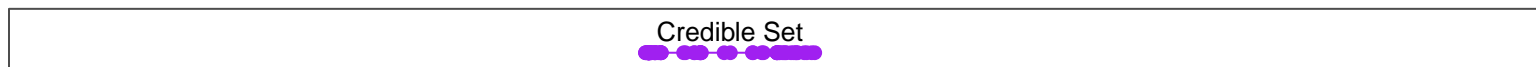
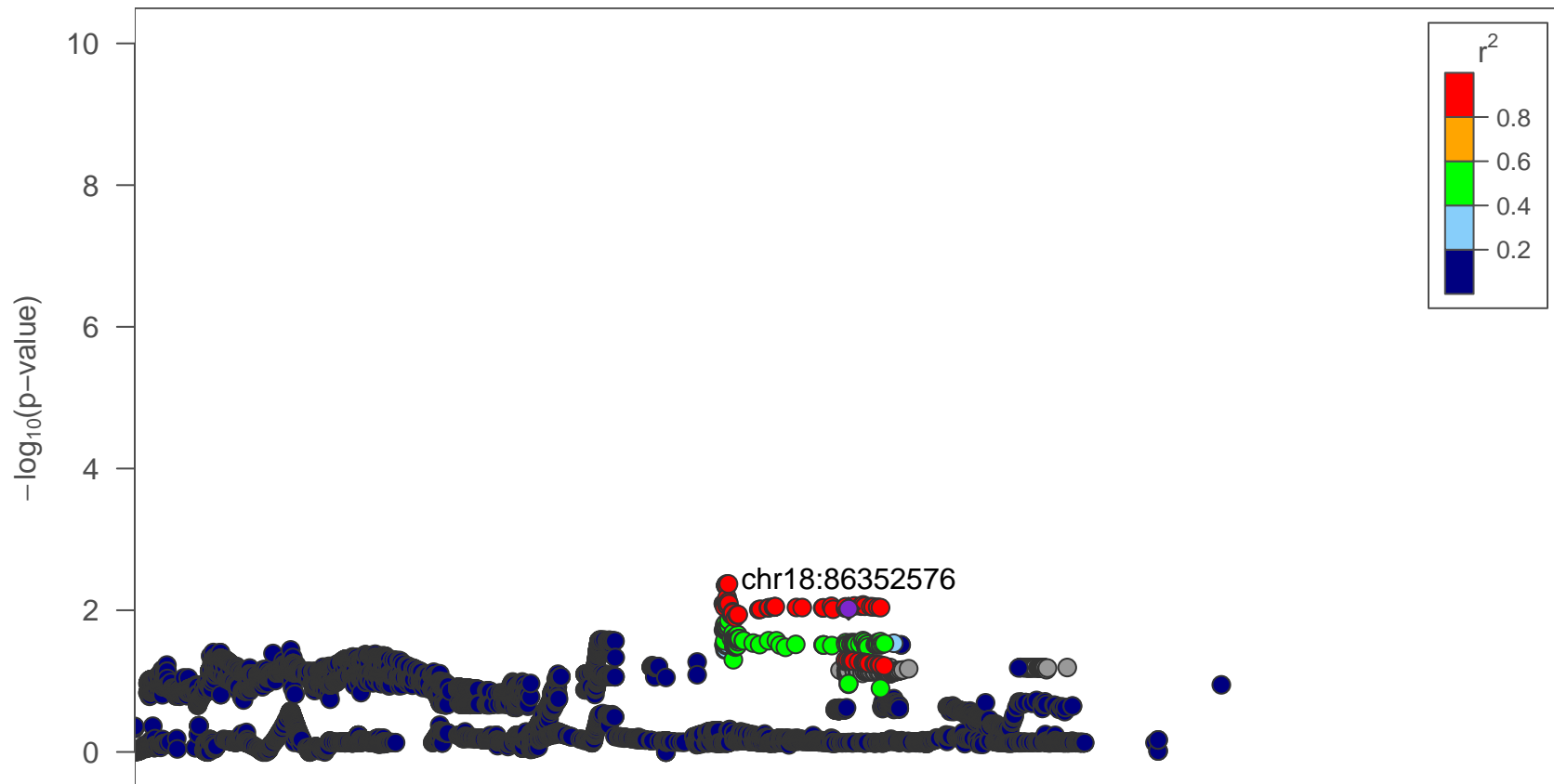
hilite range: 0 – 0 [0 – 0]

reference SNP: chr5:42786309

number of SNPs plotted: 12587

min P-value: 3.03E–5 [chr5:42786309]

max P-value: 9.99E–1 [chr5:42107733]



date: Fri Oct 12 16:45:37 2018

build: P50_round4

display range: chr18:83352576–89352576 [83352576–89352576]

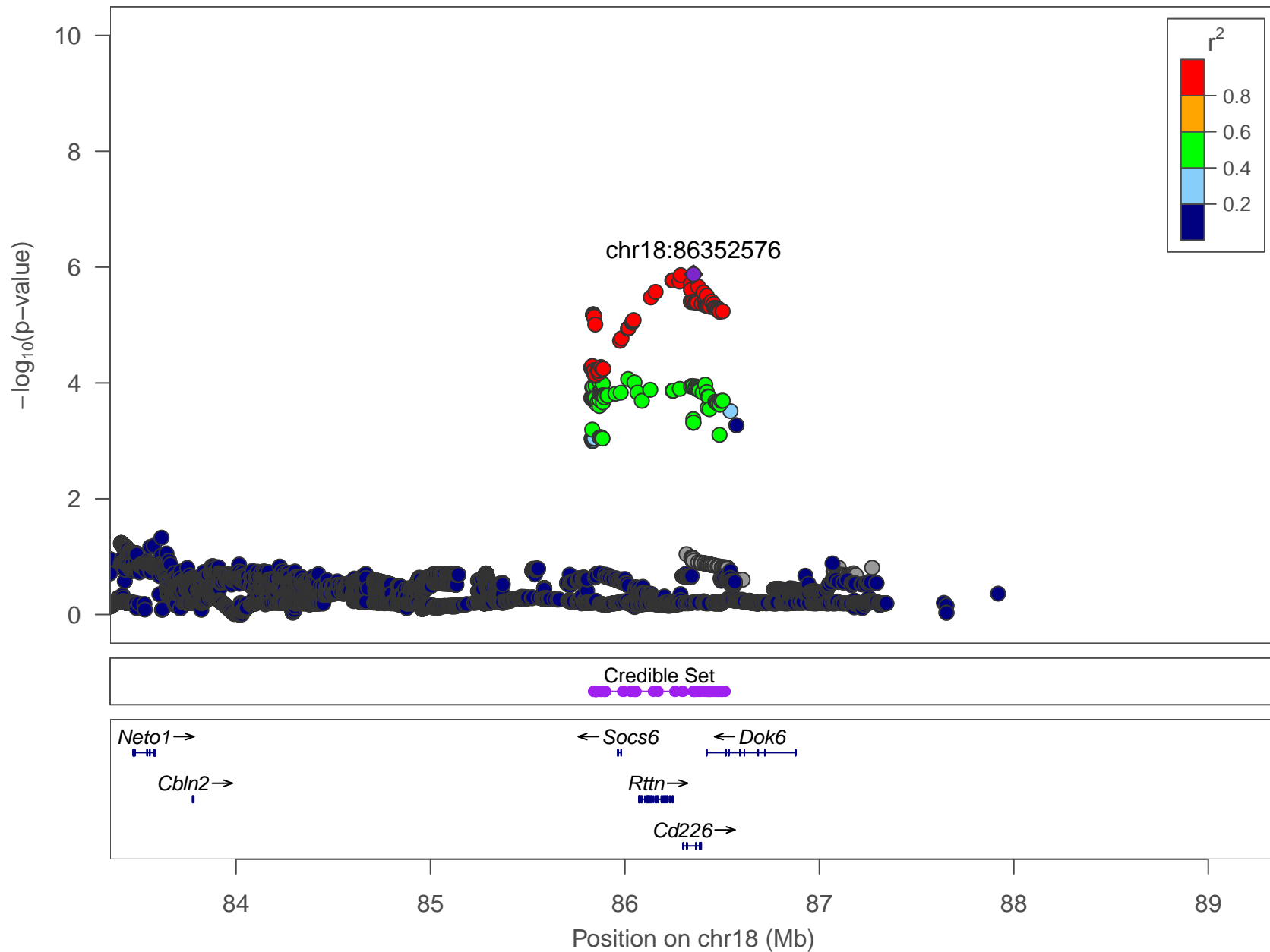
hilite range: 0 – 0 [0 – 0]

reference SNP: chr18:86352576

number of SNPs plotted: 8028

min P-value: 4.19E–3 [chr18:85853535]

max P-value: 10E–1 [chr18:84091549]



date: Fri Oct 12 16:53:23 2018

build: P50_round4

display range: chr18:83352576–89352576 [83352576–89352576]

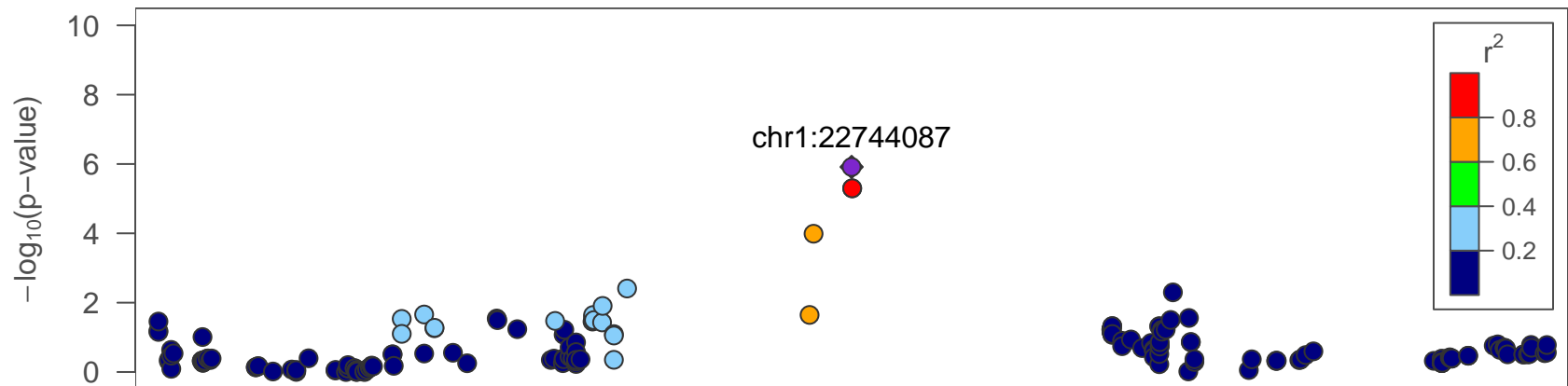
hilite range: 0 – 0 [0 – 0]

reference SNP: chr18:86352576

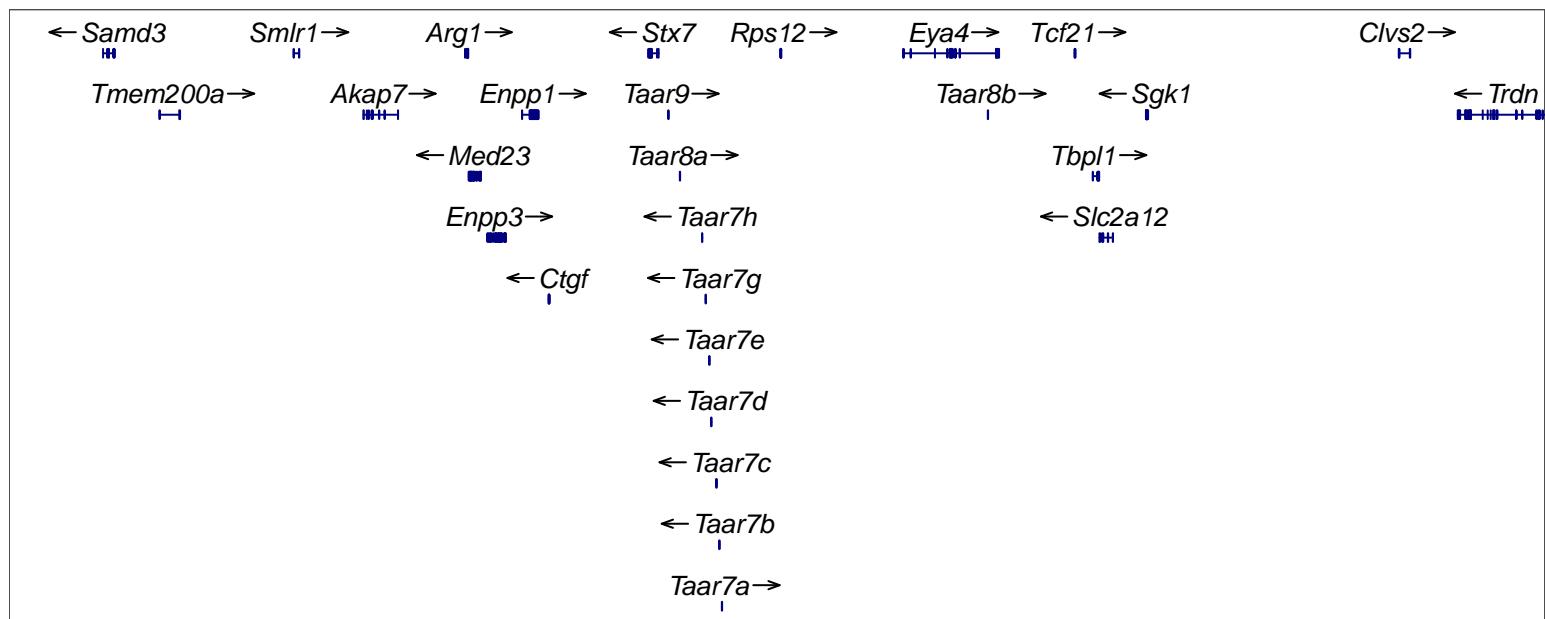
number of SNPs plotted: 8028

min P-value: 1.33E–6 [chr18:86352576]

max P-value: 9.99E–1 [chr18:84022003]



Credible Set



9 genes omitted

Position on chr1 (Mb)

date: Fri Oct 12 16:35:18 2018

build: P50_round4

display range: chr1:19744087–25744087 [19744087–25744087]

hilite range: 0 – 0 [0 – 0]

reference SNP: chr1:22744087

number of SNPs plotted: 190

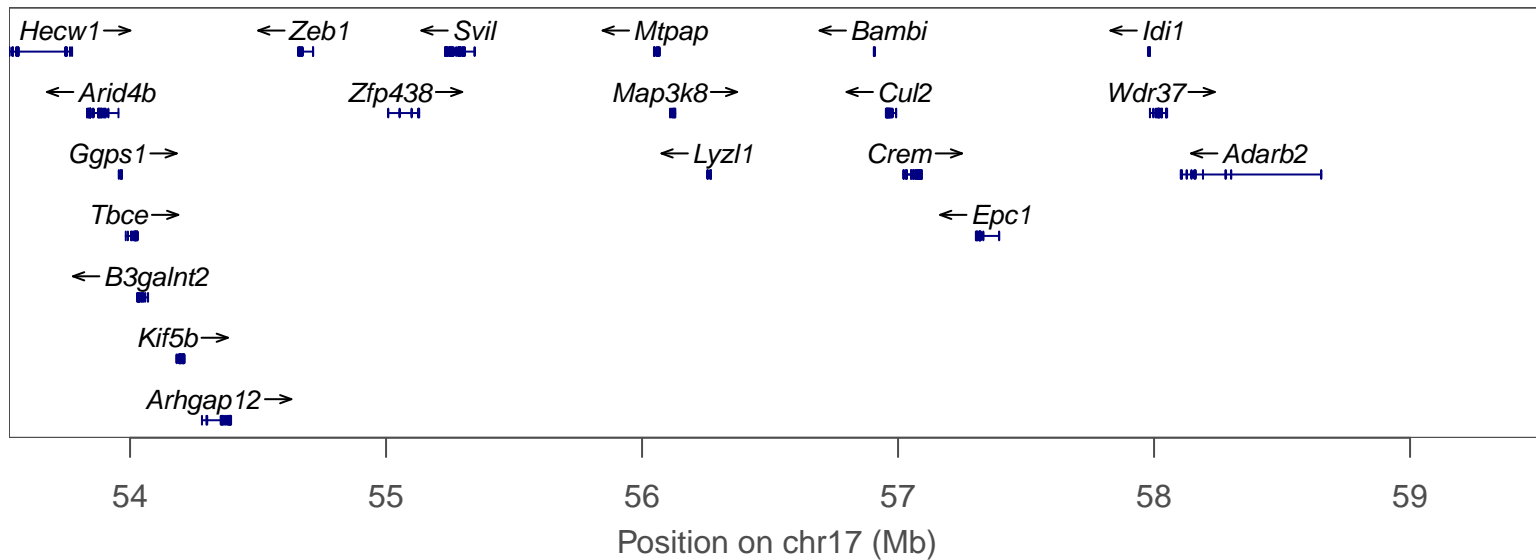
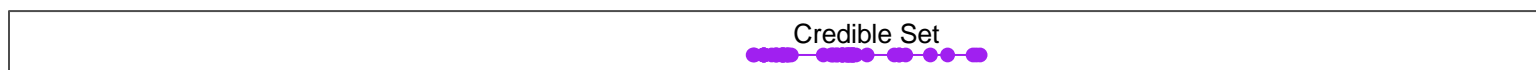
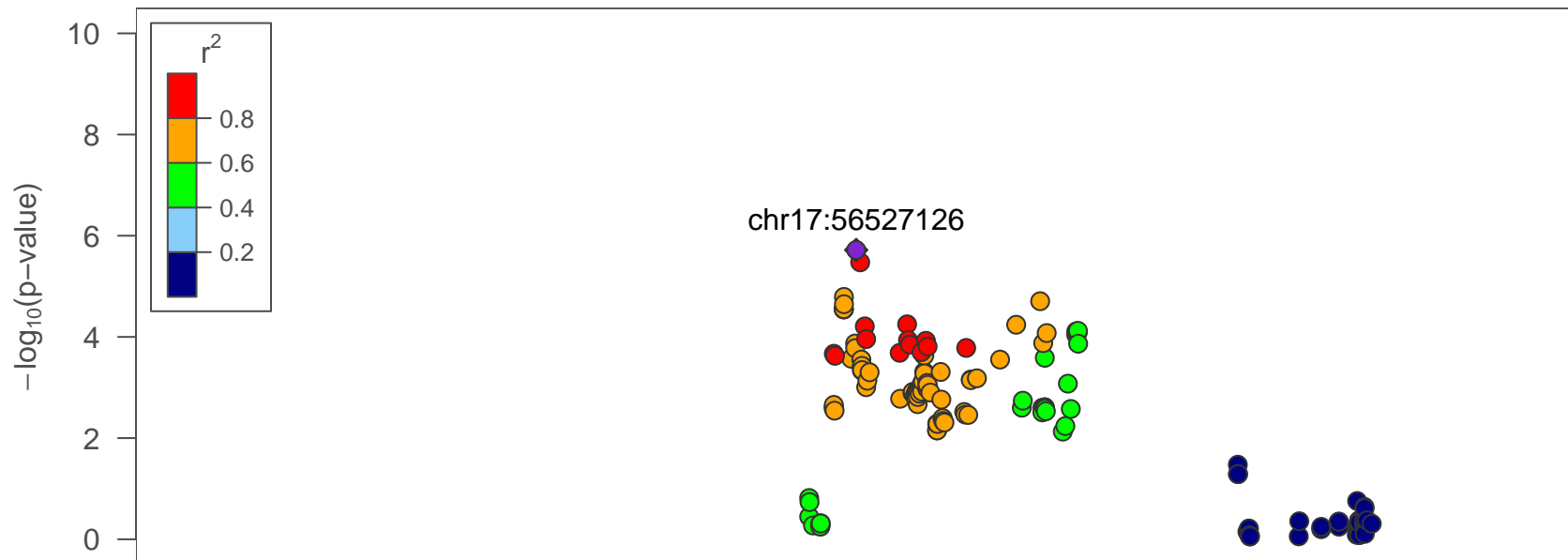
min P-value: 1.22E–6 [chr1:22744087]

max P-value: 1E0 [chr1:20626555]

omitted Genes: Taar6, Taar5, Taar4

omitted Genes: Taar3, Taar2, Taar1

omitted Genes: Vnn1, Vnn3, LOC100910237



date: Fri Oct 12 16:35:25 2018

build: P50_round4

display range: chr17:53527126–59527126 [53527126–59527126]

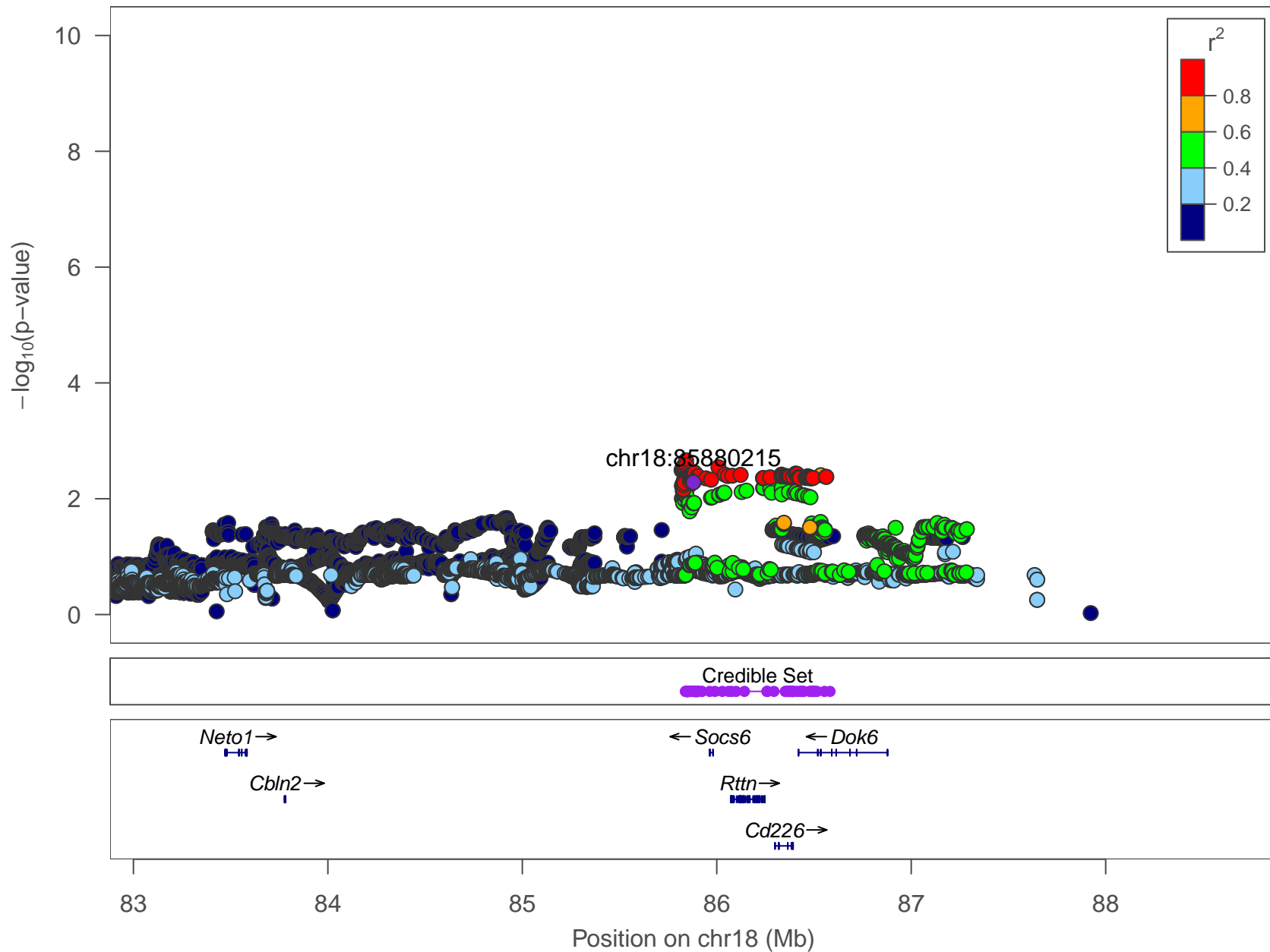
hilite range: 0 – 0 [0 – 0]

reference SNP: chr17:56527126

number of SNPs plotted: 151

min P-value: 1.91E–6 [chr17:56527126]

max P-value: 8.8E–1 [chr17:58167235]



date: Fri Oct 12 16:35:10 2018

build: P50_round4

display range: chr18:82880215–88880215 [82880215–88880215]

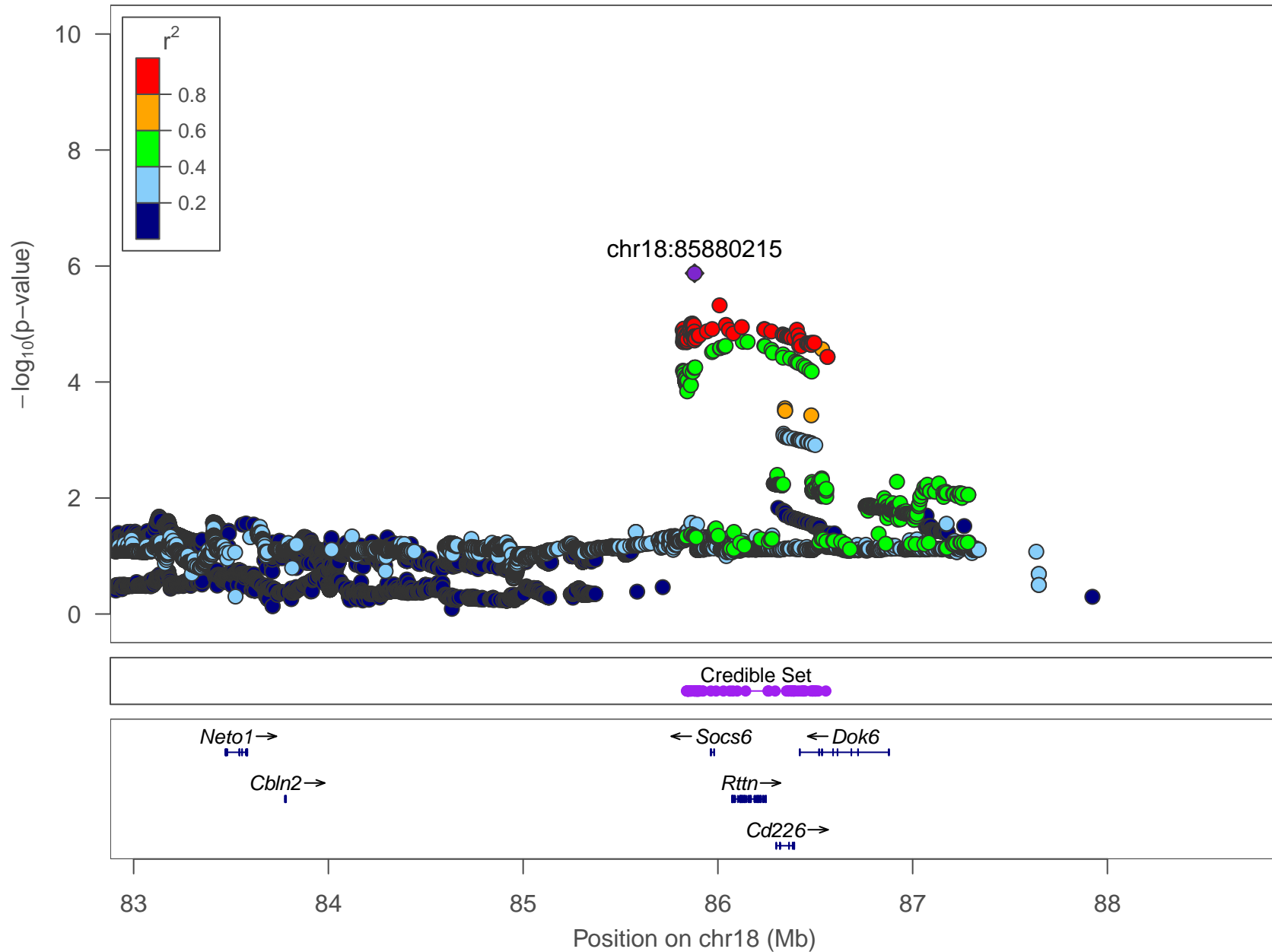
hilite range: 0 – 0 [0 – 0]

reference SNP: chr18:85880215

number of SNPs plotted: 9666

min P-value: 2.16E–3 [chr18:85861741]

max P-value: 9.4E–1 [chr18:87930743]



date: Fri Oct 12 16:34:39 2018

build: P50_round4

display range: chr18:82880215–88880215 [82880215–88880215]

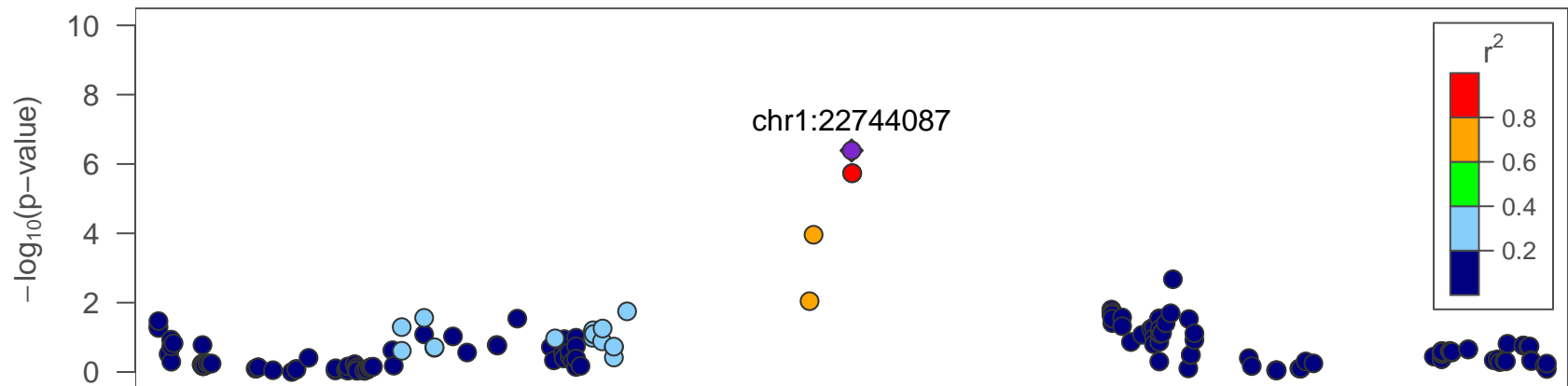
hilite range: 0 – 0 [0 – 0]

reference SNP: chr18:85880215

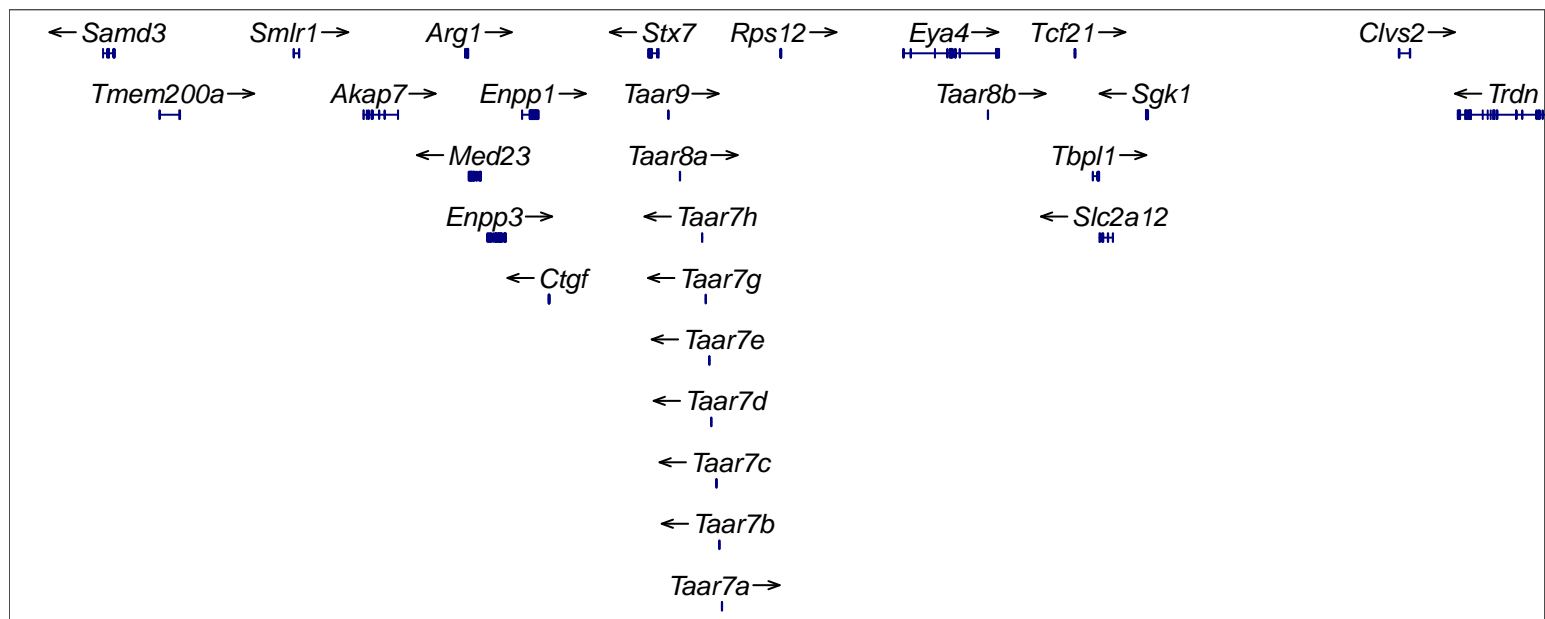
number of SNPs plotted: 9666

min P-value: 1.33E–6 [chr18:85880215]

max P-value: 7.92E–1 [chr18:84638970]



Credible Set



9 genes omitted

Position on chr1 (Mb)

date: Fri Oct 12 16:36:33 2018

build: P50_round4

display range: chr1:19744087–25744087 [19744087–25744087]

hilite range: 0 – 0 [0 – 0]

reference SNP: chr1:22744087

number of SNPs plotted: 190

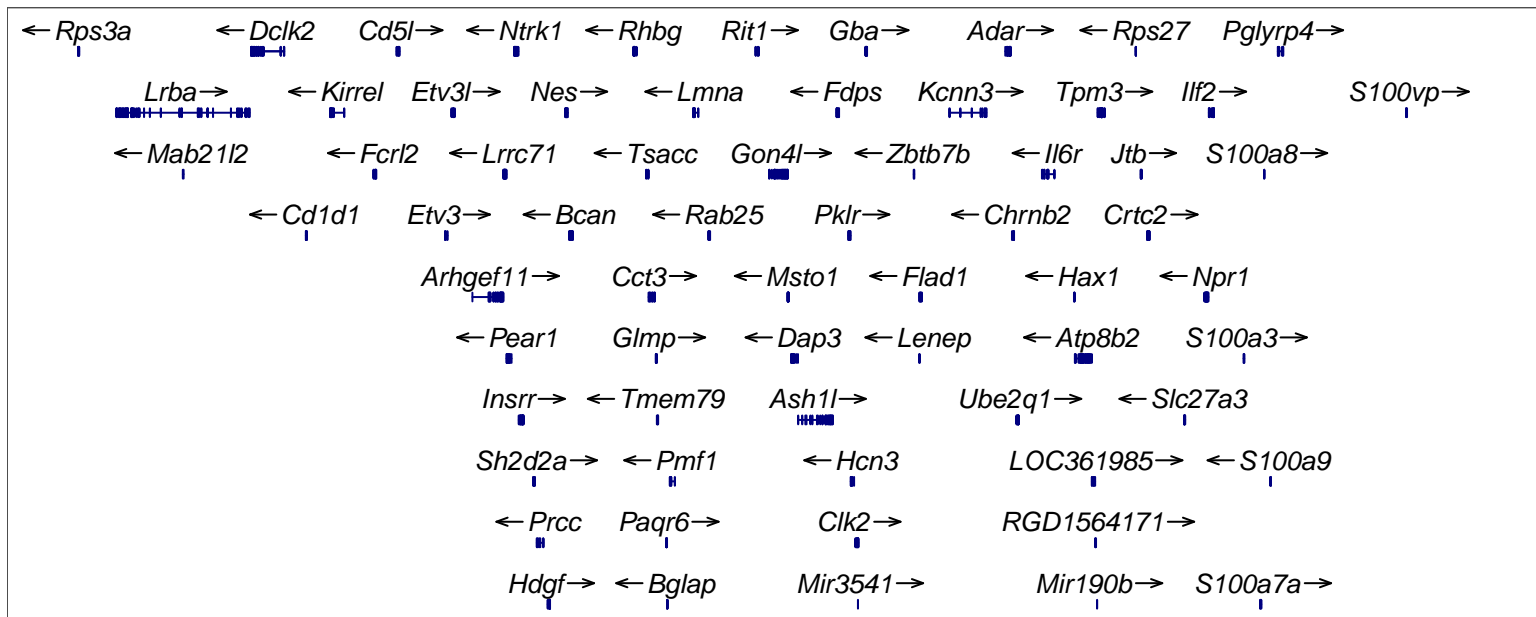
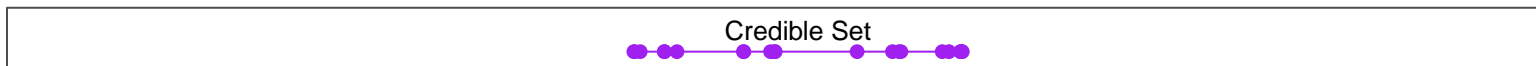
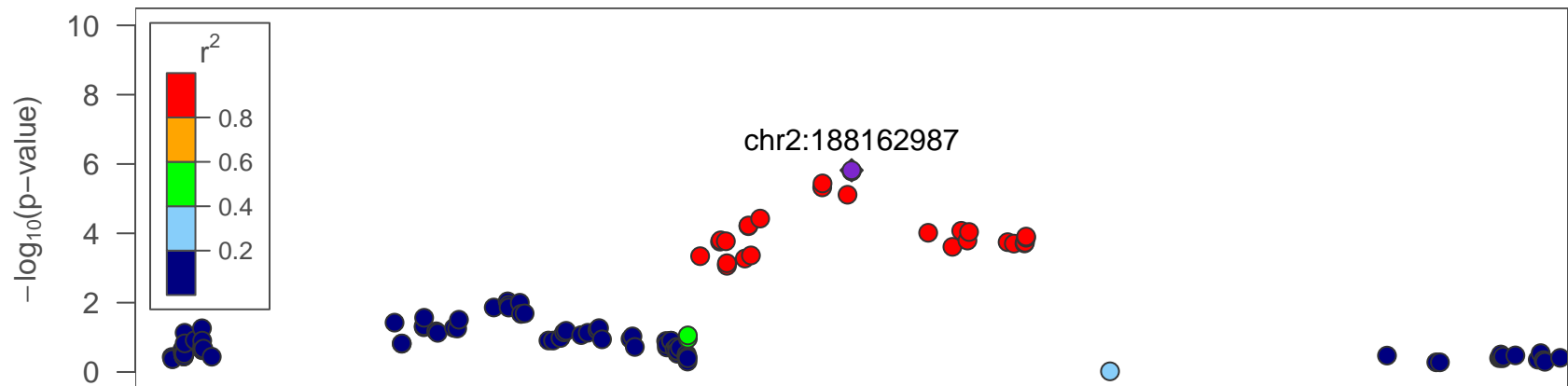
min P-value: 4.09E–7 [chr1:22744087]

max P-value: 9.98E–1 [chr1:20399586]

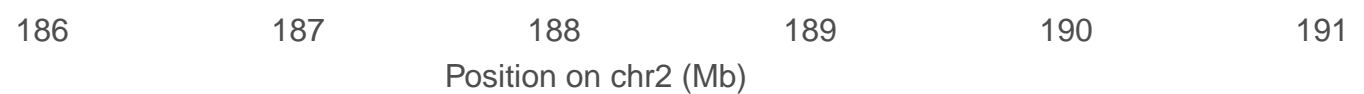
omitted Genes: Taar6, Taar5, Taar4

omitted Genes: Taar3, Taar2, Taar1

omitted Genes: Vnn1, Vnn3, LOC100910237



50 genes omitted



date: Fri Oct 12 16:36:40 2018

build: P50_round4

display range: chr2:185162987–191162987 [185162987–191162987]

hilite range: 0 – 0 [0 – 0]

reference SNP: chr2:188162987

number of SNPs plotted: 116

min P-value: 1.51E–6 [chr2:188162987]

max P-value: 9.54E–1 [chr2:189245094]

omitted Genes: mrpl24, Rrnad1, lsg20l2

omitted Genes: Crabp2, Hapln2, Gpatch4

omitted Genes: Naxe, lqgap3, Mef2d

omitted Genes: Mir3597–1, Mir9–1, Slc25a44

omitted Genes: Sema4a, Lamtor2, Ubqln4

omitted Genes: Ssr2, Arhgef2, Syt11

omitted Genes: Scamp3, Fam189b, Mtx1

omitted Genes: Thbs3, Mir92b, Muc1

omitted Genes: Trim46, Krtcap2, Dpm3

omitted Genes: Slc50a1, Efna1, LOC102550325

omitted Genes: Efna4, Adam15, Cks1b

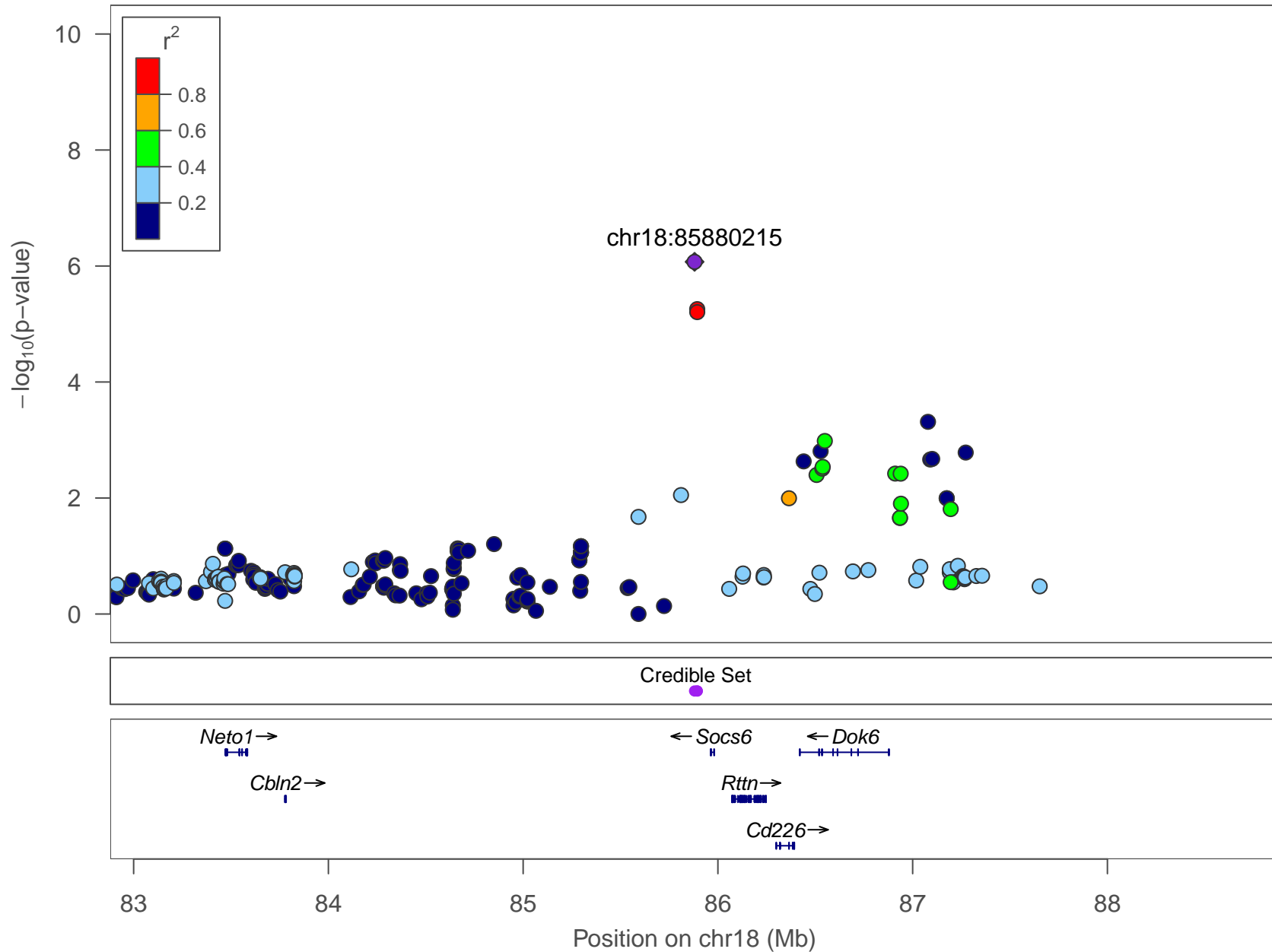
omitted Genes: Shc1, Pygo2, Pbxip1

omitted Genes: Pmvk, Nup210l, Rab13

omitted Genes: Creb3l4, Slc39a1, Gatad2b

Make more plots at <http://csg.sph.umich.edu/locuszoom/>

omitted Genes: Snapin, LOC361990, S100a1



date: Fri Oct 12 16:36:45 2018

build: P50_round4

display range: chr18:82880215–88880215 [82880215–88880215]

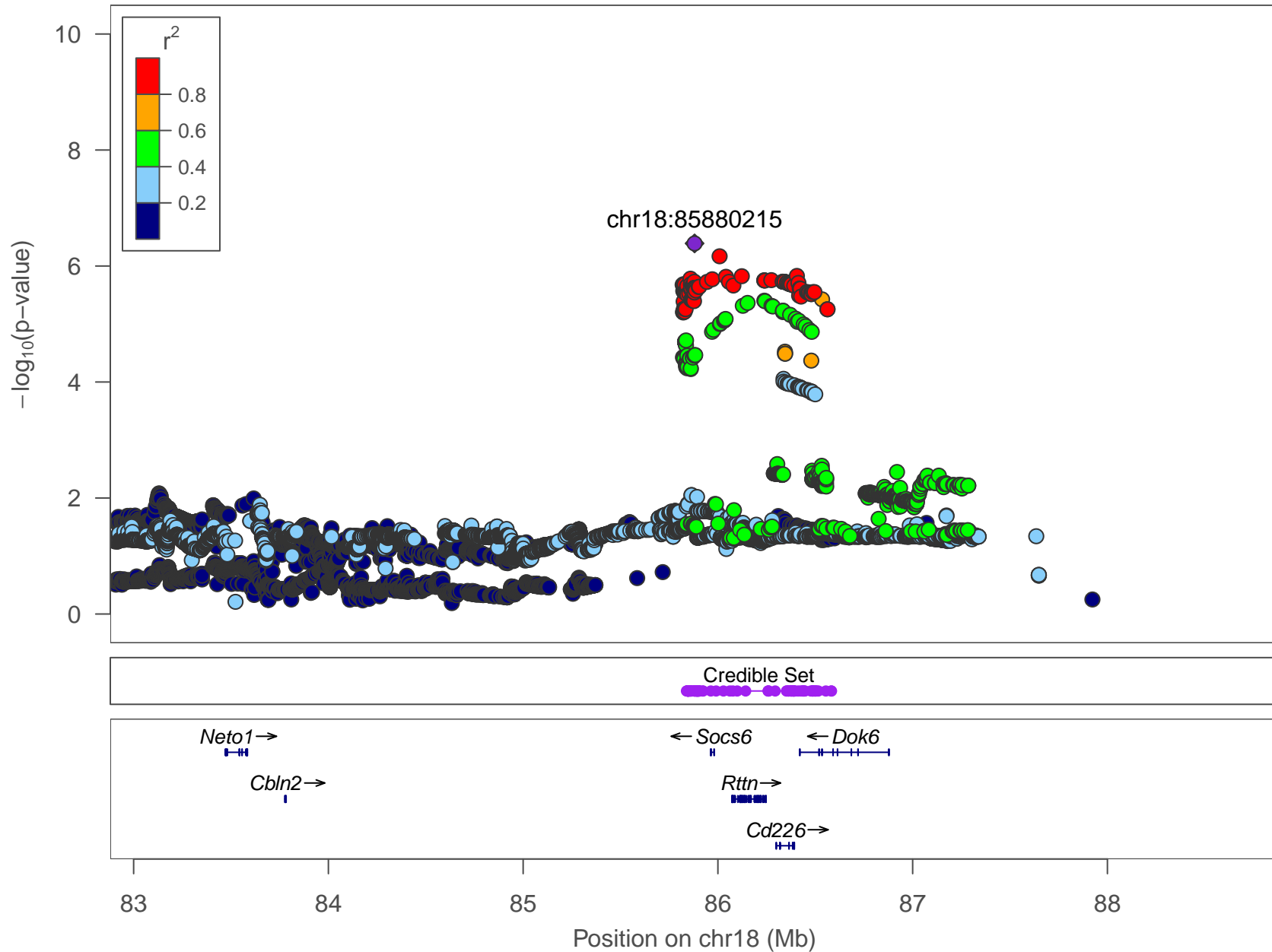
hilite range: 0 – 0 [0 – 0]

reference SNP: chr18:85880215

number of SNPs plotted: 240

min P-value: 8.47E-7 [chr18:85880215]

max P-value: 9.97E-1 [chr18:85592150]



date: Fri Oct 12 16:35:54 2018

build: P50_round4

display range: chr18:82880215–88880215 [82880215–88880215]

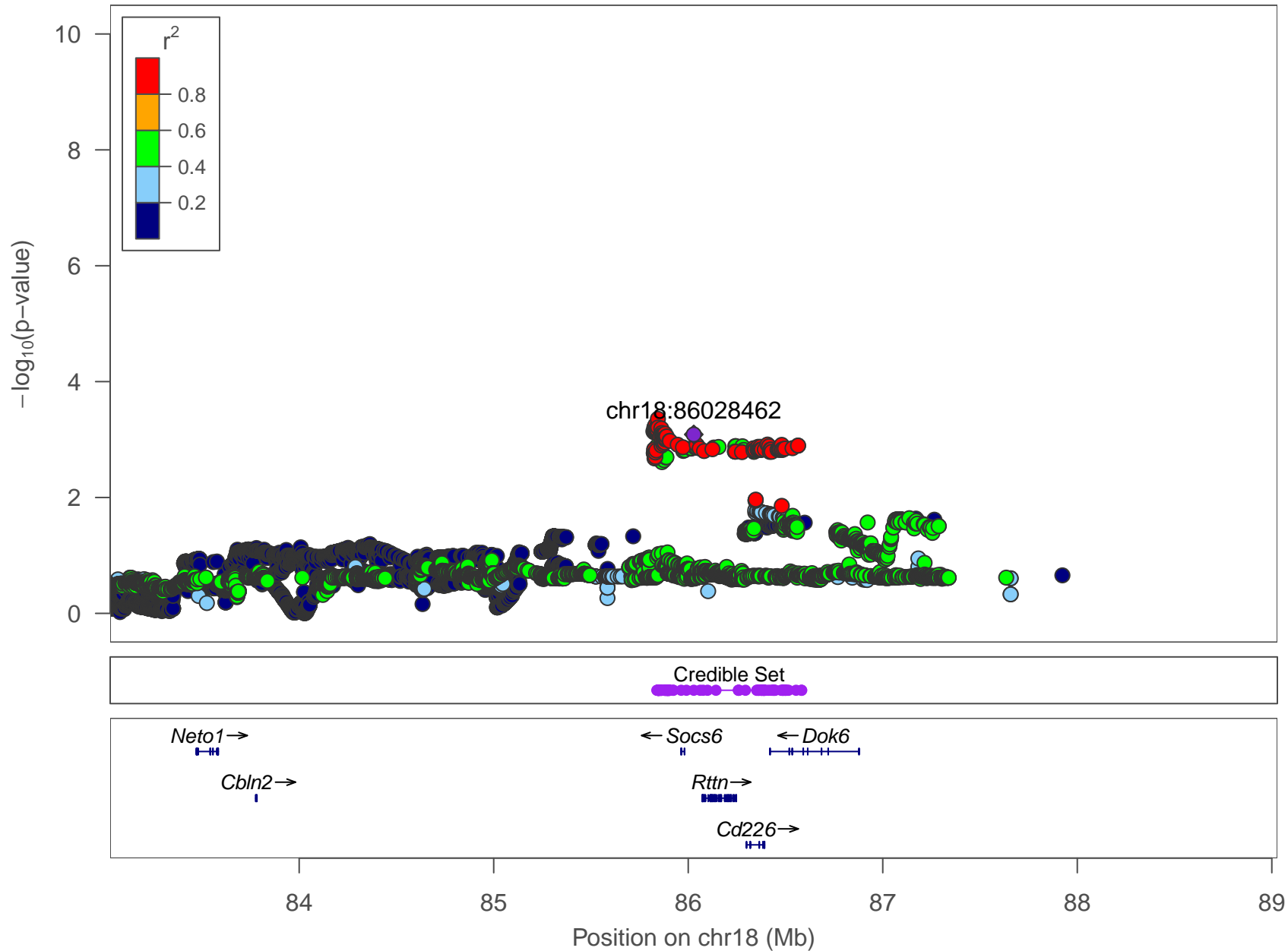
hilite range: 0 – 0 [0 – 0]

reference SNP: chr18:85880215

number of SNPs plotted: 9666

min P-value: 4.08E-7 [chr18:85880215]

max P-value: 6.41E-1 [chr18:84638970]



date: Fri Oct 12 16:36:25 2018

build: P50_round4

display range: chr18:83028462–89028462 [83028462–89028462]

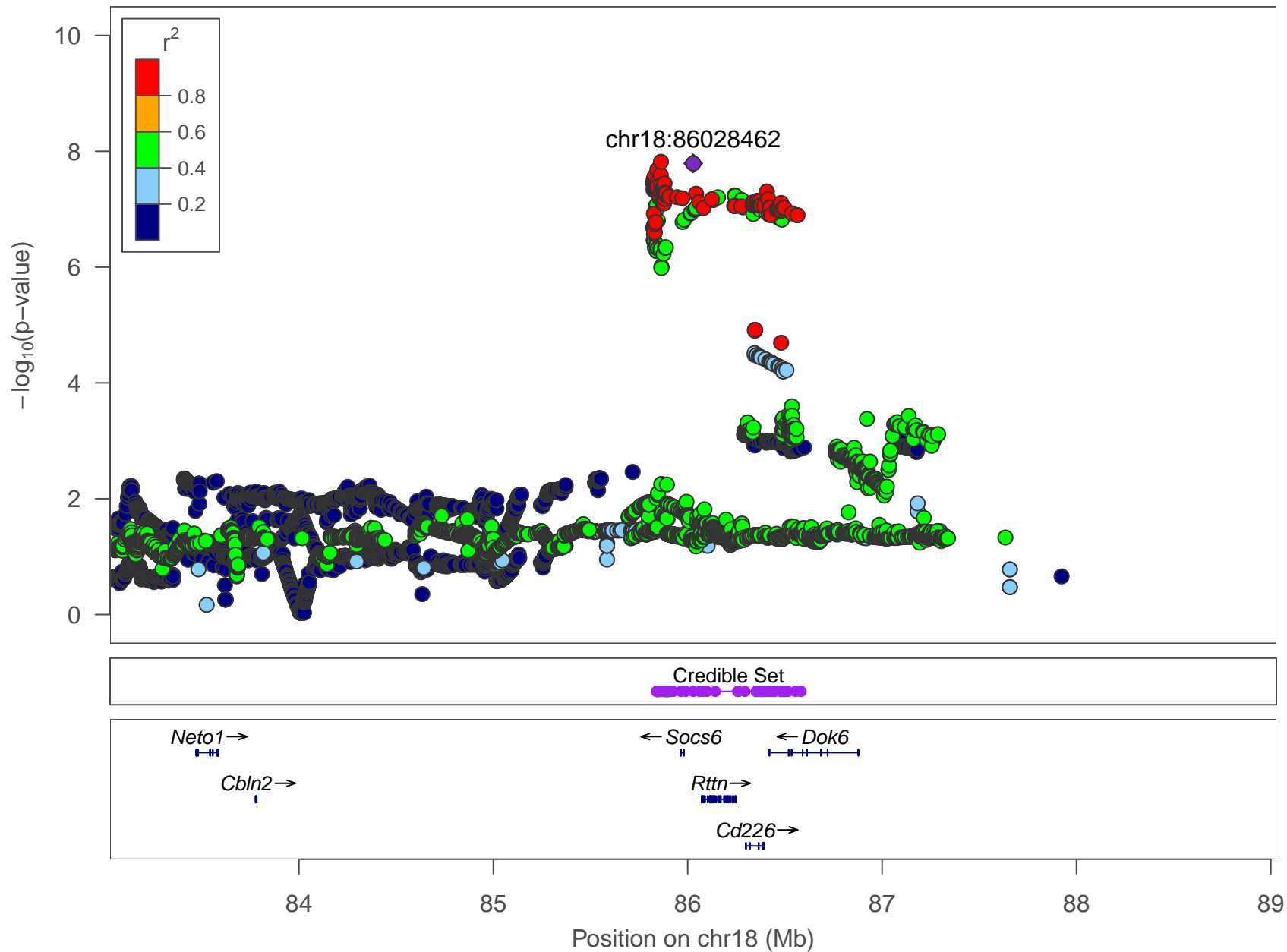
hilite range: 0 – 0 [0 – 0]

reference SNP: chr18:86028462

number of SNPs plotted: 9252

min P-value: 4.34E–4 [chr18:85861741]

max P-value: 9.9E–1 [chr18:84028444]



date: Sun Oct 21 16:26:51 2018

build: P50_round4

display range: chr18:83028462–89028462 [83028462–89028462]

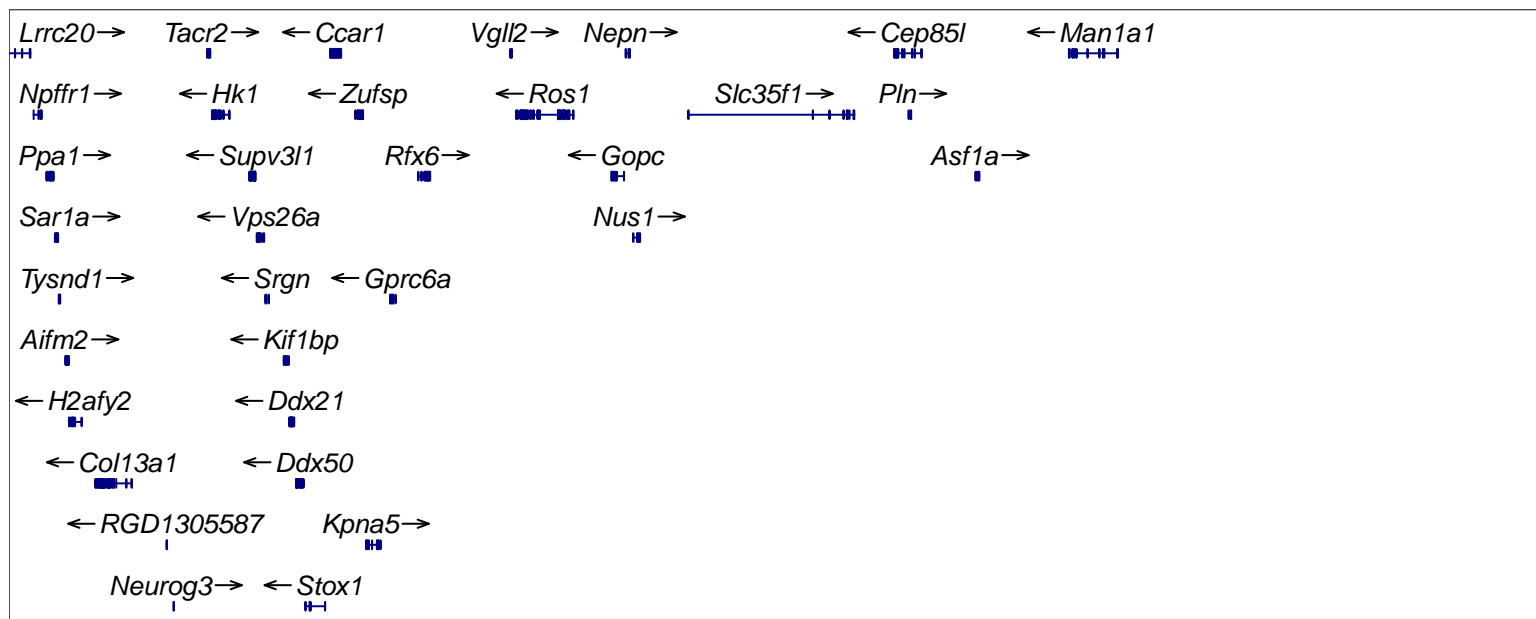
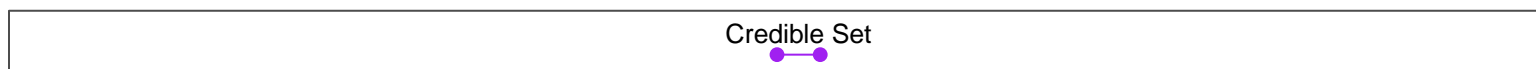
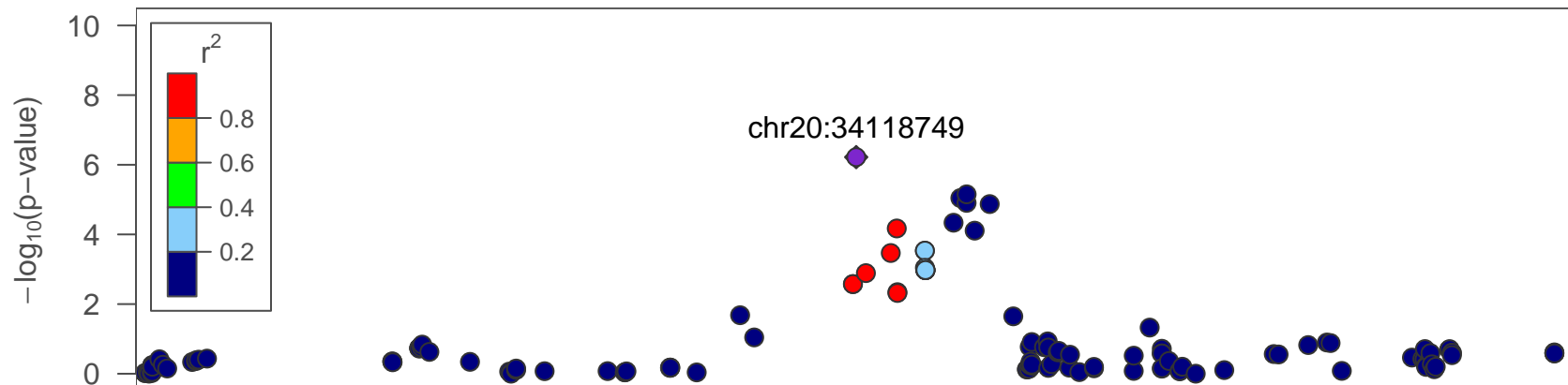
hilite range: 0 – 0 [0 – 0]

reference SNP: chr18:86028462

number of SNPs plotted: 9252

min P-value: 1.5E–8 [chr18:85880215]

max P-value: 9.4E–1 [chr18:84010110]



1 gene omitted

Position on chr20 (Mb)

date: Fri Oct 12 16:36:51 2018

build: P50_round4

display range: chr20:31118749–37118749 [31118749–37118749]

hilite range: 0 – 0 [0 – 0]

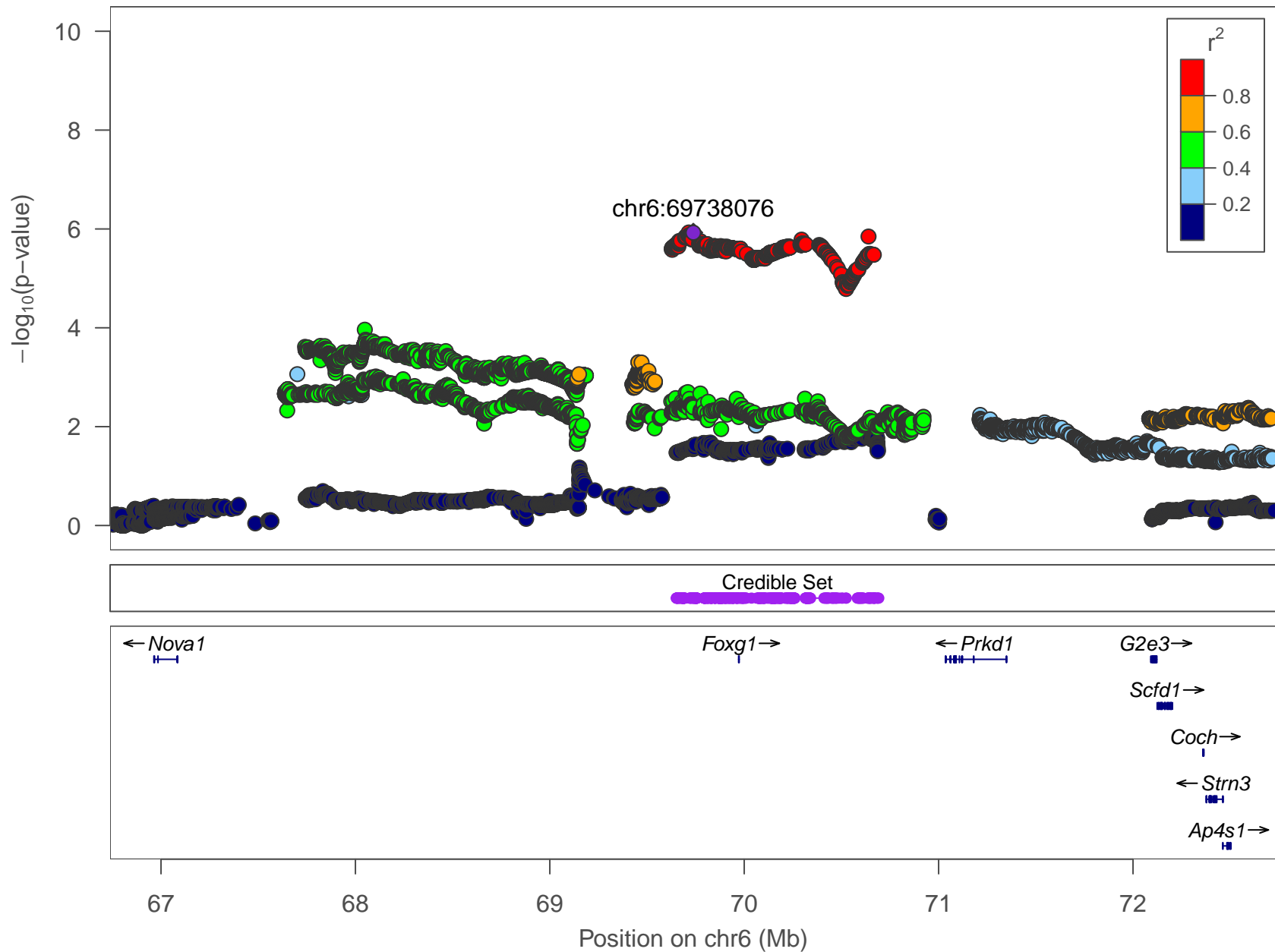
reference SNP: chr20:34118749

number of SNPs plotted: 129

min P-value: 6.03E-7 [chr20:34118749]

max P-value: 9.95E-1 [chr20:32680838]

omitted Genes: Tspan15



date: Fri Oct 12 16:40:50 2018

build: P50_round4

display range: chr6:66738076–72738076 [66738076–72738076]

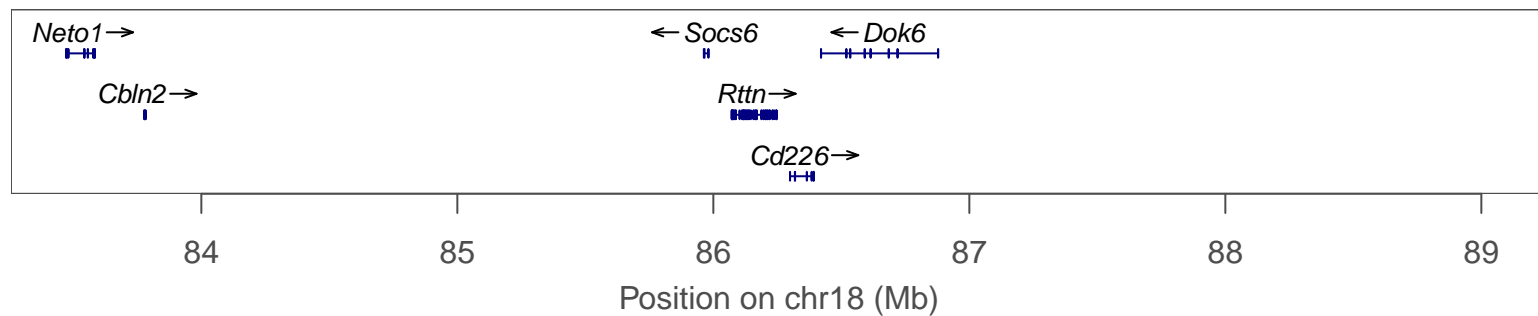
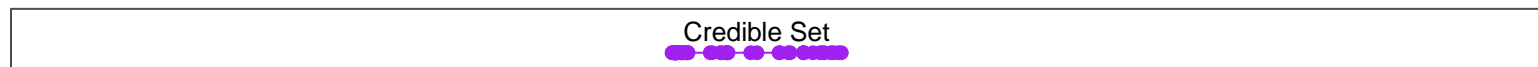
hilite range: 0 – 0 [0 – 0]

reference SNP: chr6:69738076

number of SNPs plotted: 9809

min P-value: 1.19E–6 [chr6:69738076]

max P-value: 10E–1 [chr6:66898091]



date: Fri Oct 12 16:41:27 2018

build: P50_round4

display range: chr18:83256424–89256424 [83256424–89256424]

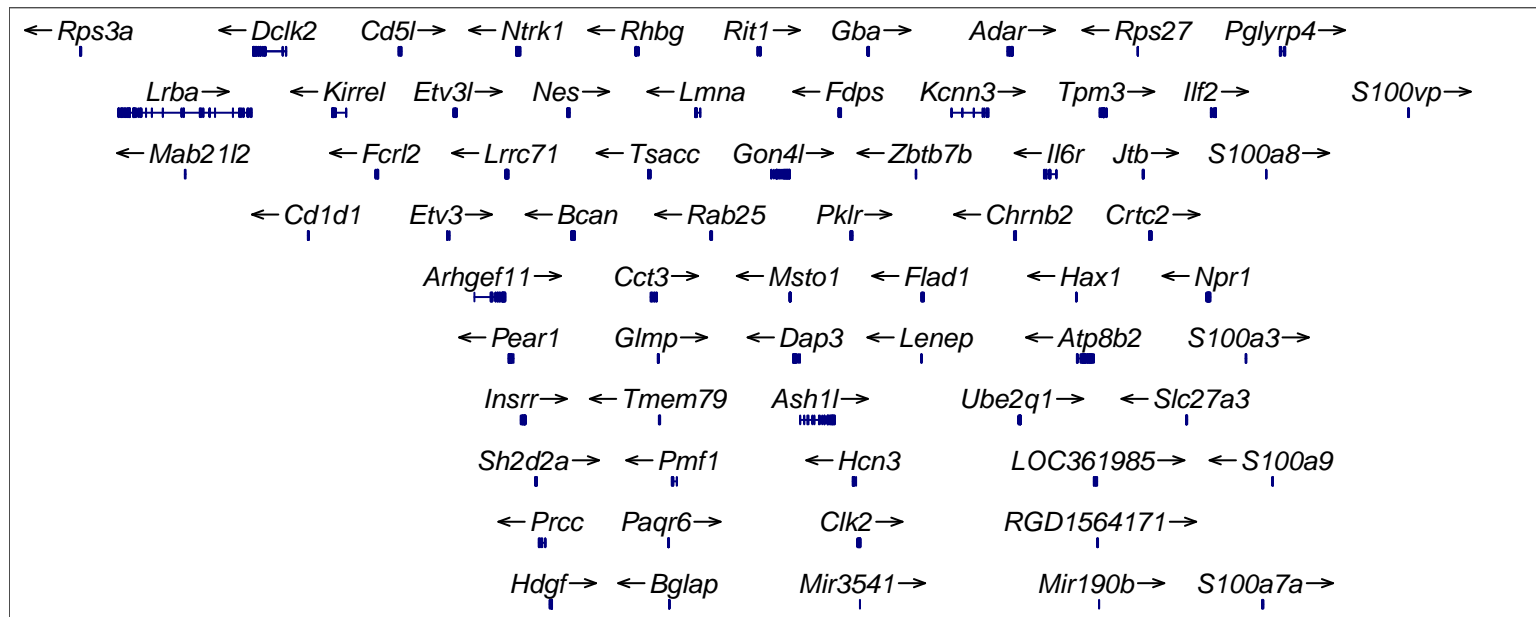
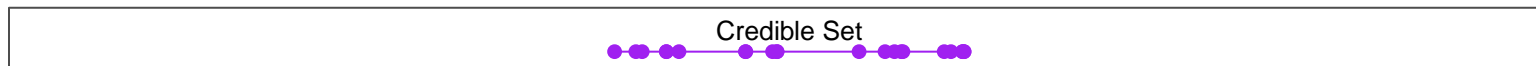
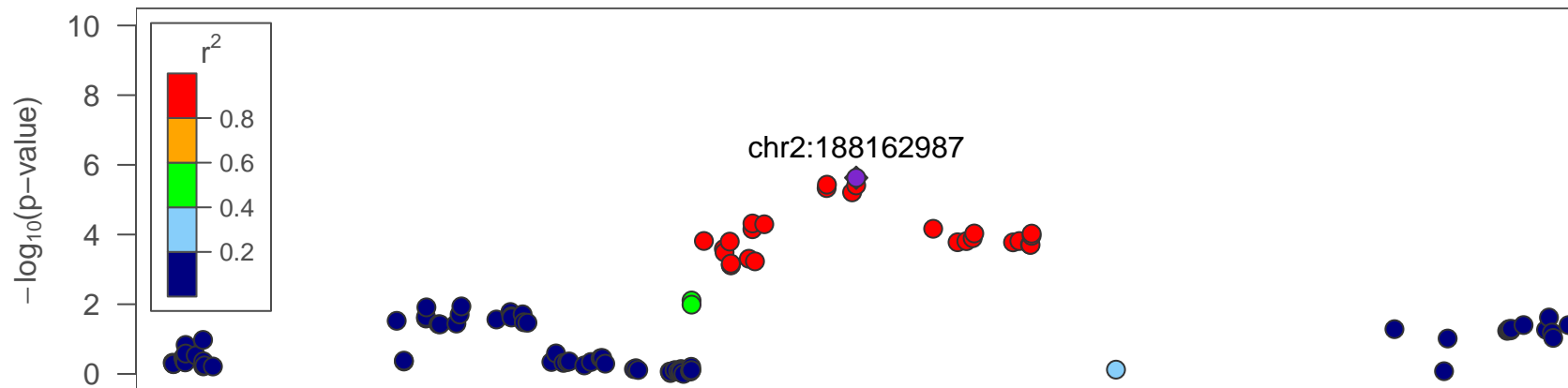
hilite range: 0 – 0 [0 – 0]

reference SNP: chr18:86256424

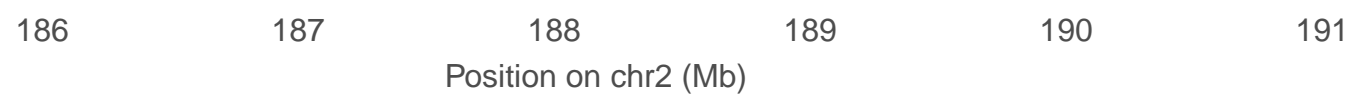
number of SNPs plotted: 8447

min P-value: 2.32E–3 [chr18:85860095]

max P-value: 9.98E–1 [chr18:83921538]



50 genes omitted



date: Fri Oct 12 16:41:35 2018

build: P50_round4

display range: chr2:185162987–191162987 [185162987–191162987]

hilite range: 0 – 0 [0 – 0]

reference SNP: chr2:188162987

number of SNPs plotted: 116

min P-value: 2.34E–6 [chr2:188162987]

max P-value: 9.98E–1 [chr2:187443707]

omitted Genes: mrpl24, Rrnad1, lsg20l2

omitted Genes: Crabp2, Hapln2, Gpatch4

omitted Genes: Naxe, lqgap3, Mef2d

omitted Genes: Mir3597–1, Mir9–1, Slc25a44

omitted Genes: Sema4a, Lamtor2, Ubqln4

omitted Genes: Ssr2, Arhgef2, Syt11

omitted Genes: Scamp3, Fam189b, Mtx1

omitted Genes: Thbs3, Mir92b, Muc1

omitted Genes: Trim46, Krtcap2, Dpm3

omitted Genes: Slc50a1, Efna1, LOC102550325

omitted Genes: Efna4, Adam15, Cks1b

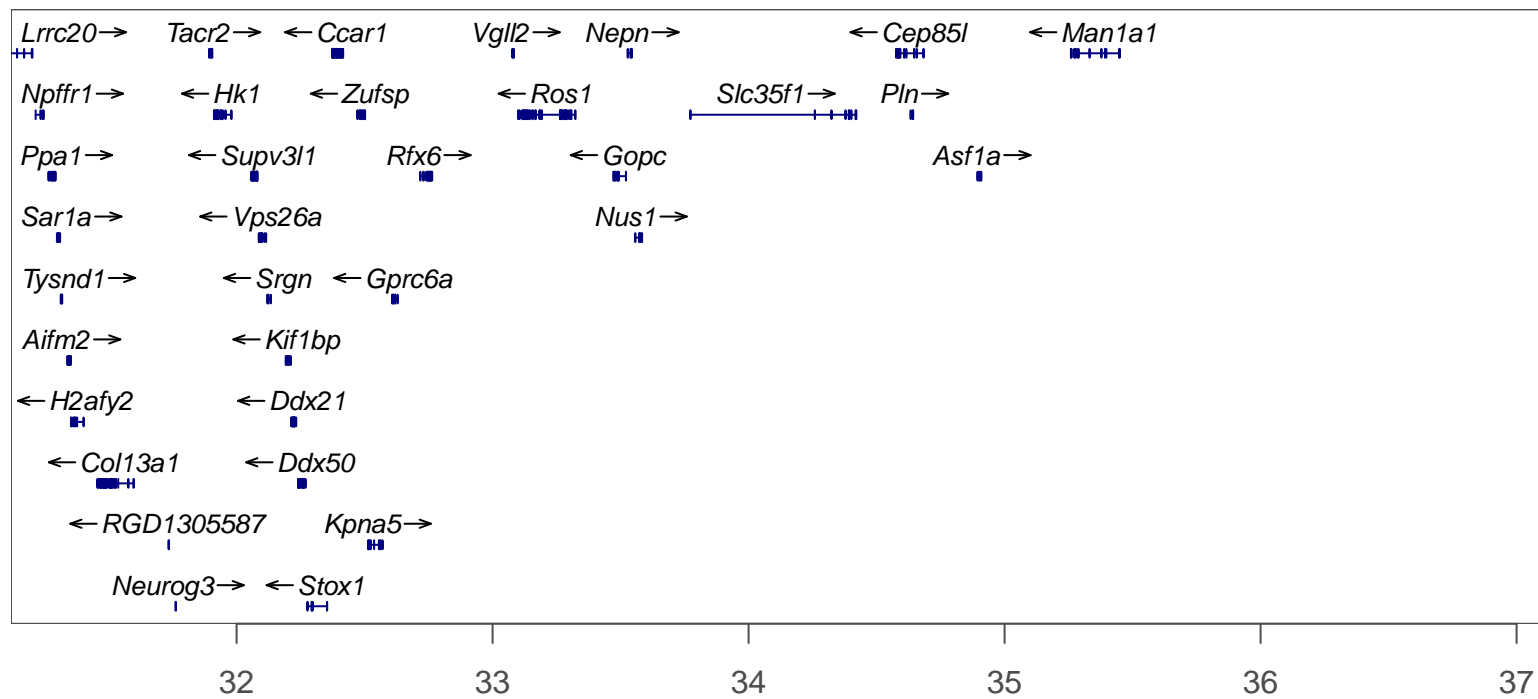
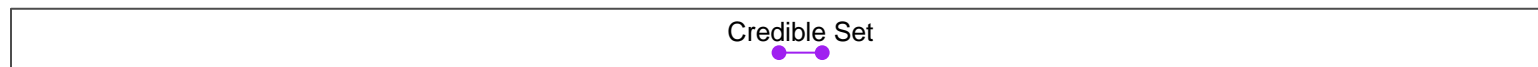
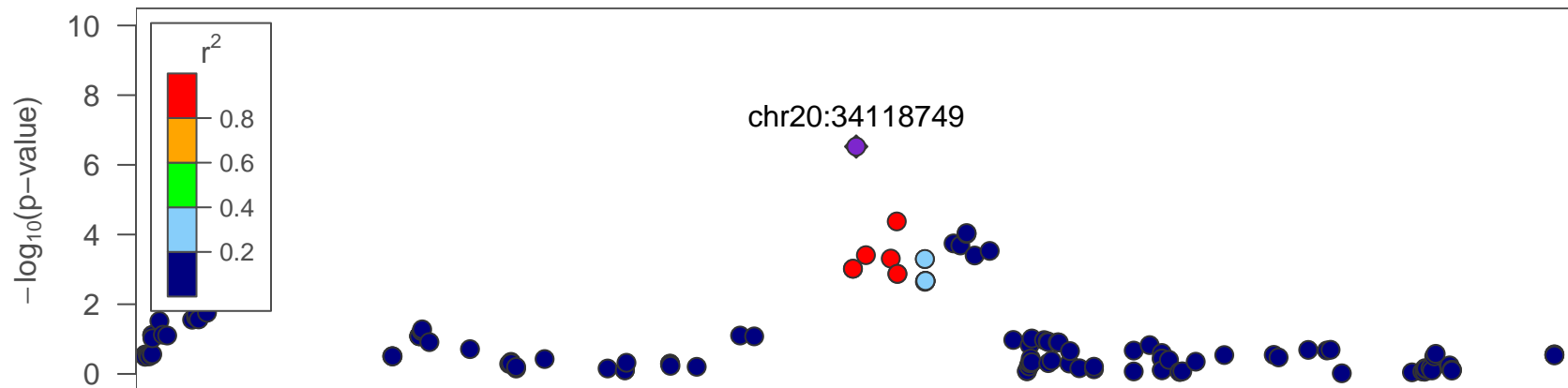
omitted Genes: Shc1, Pygo2, Pbxip1

omitted Genes: Pmvk, Nup210l, Rab13

omitted Genes: Creb3l4, Slc39a1, Gatad2b

Make more plots at <http://csg.sph.umich.edu/locuszoom/>

omitted Genes: Snapin, LOC361990, S100a1



1 gene omitted

Position on chr20 (Mb)

date: Fri Oct 12 16:41:41 2018

build: P50_round4

display range: chr20:31118749–37118749 [31118749–37118749]

hilite range: 0 – 0 [0 – 0]

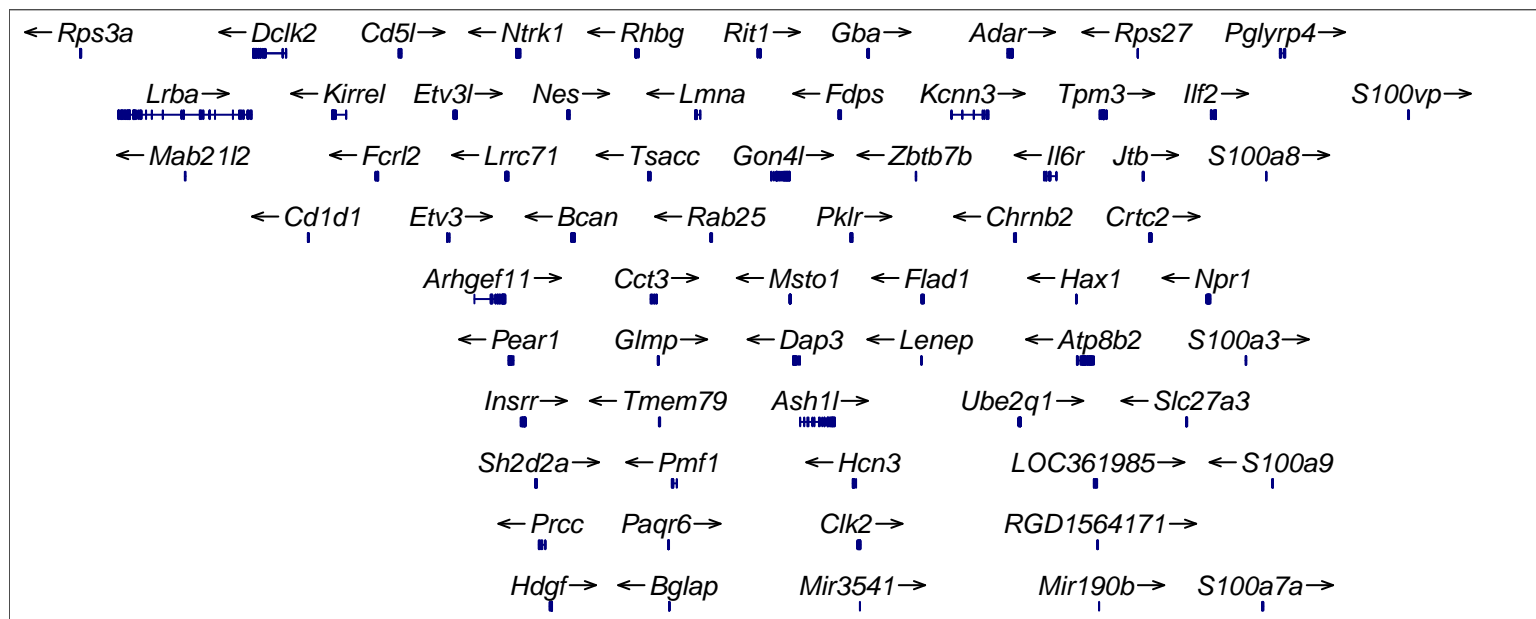
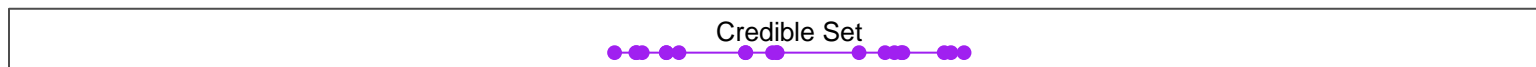
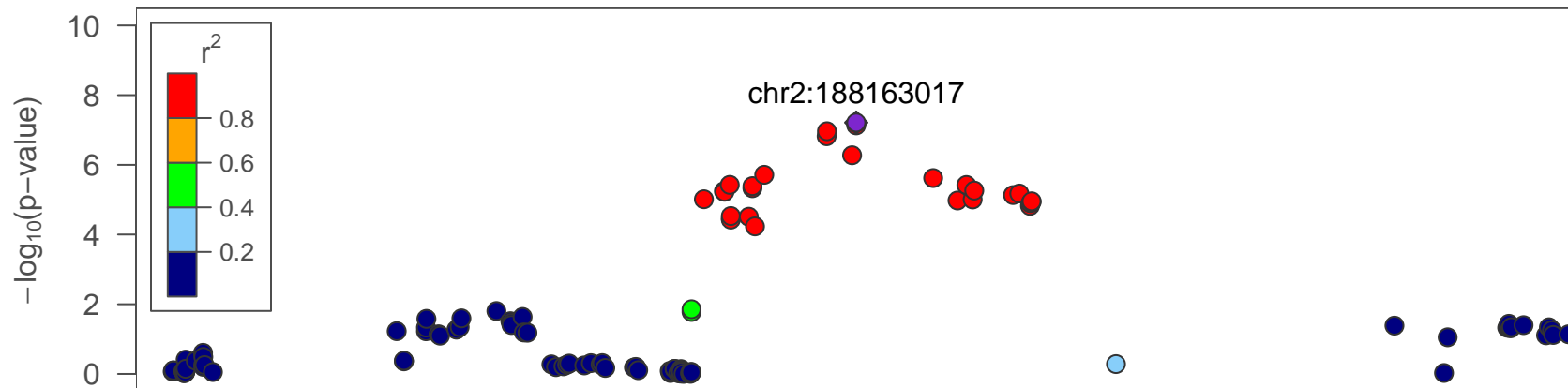
reference SNP: chr20:34118749

number of SNPs plotted: 129

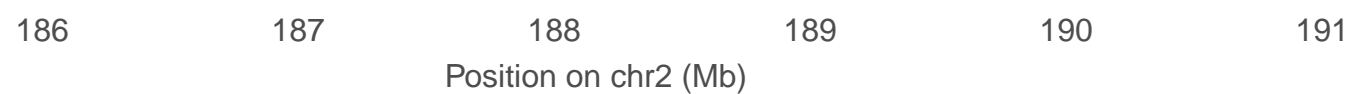
min P-value: 2.99E-7 [chr20:34118749]

max P-value: 9.58E-1 [chr20:36141486]

omitted Genes: Tspan15



50 genes omitted



date: Fri Oct 12 16:41:49 2018

build: P50_round4

display range: chr2:185163017–191163017 [185163017–191163017]

hilite range: 0 – 0 [0 – 0]

reference SNP: chr2:188163017

number of SNPs plotted: 116

min P-value: 6.13E–8 [chr2:188163017]

max P-value: 9.96E–1 [chr2:187443707]

omitted Genes: mrpl24, Rrnad1, lsg20l2

omitted Genes: Crabp2, Hapln2, Gpatch4

omitted Genes: Naxe, lqgap3, Mef2d

omitted Genes: Mir3597–1, Mir9–1, Slc25a44

omitted Genes: Sema4a, Lamtor2, Ubqln4

omitted Genes: Ssr2, Arhgef2, Syt11

omitted Genes: Scamp3, Fam189b, Mtx1

omitted Genes: Thbs3, Mir92b, Muc1

omitted Genes: Trim46, Krtcap2, Dpm3

omitted Genes: Slc50a1, Efna1, LOC102550325

omitted Genes: Efna4, Adam15, Cks1b

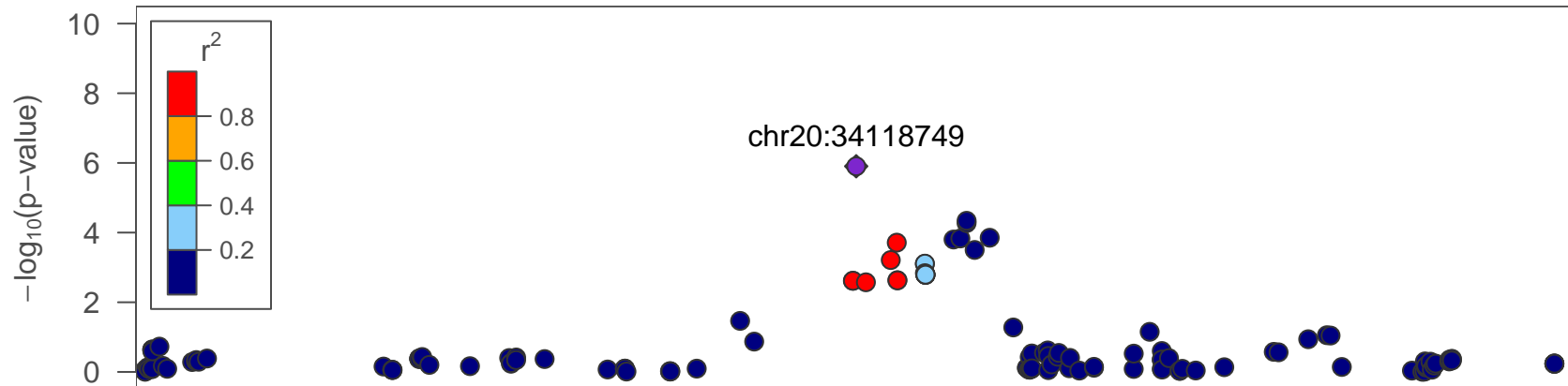
omitted Genes: Shc1, Pygo2, Pbxip1

omitted Genes: Pmvk, Nup210l, Rab13

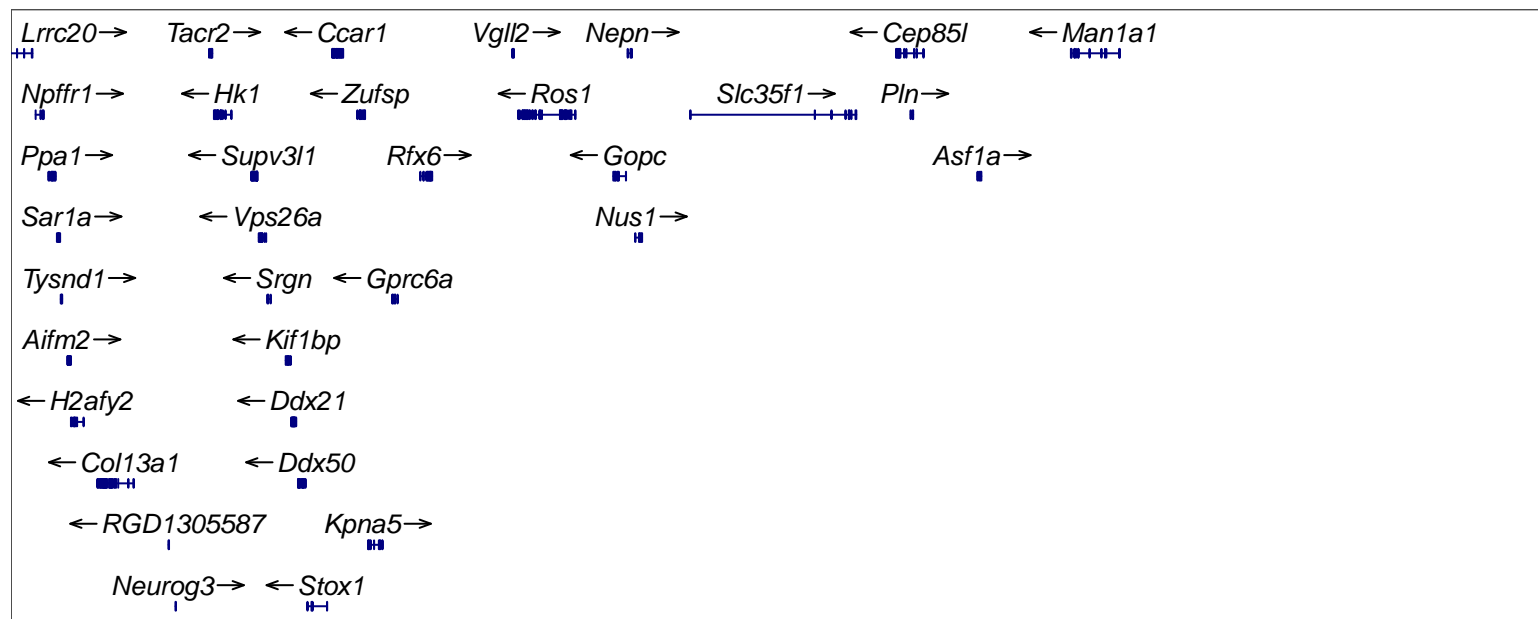
omitted Genes: Creb3l4, Slc39a1, Gatad2b

Make more plots at <http://csg.sph.umich.edu/locuszoom/>

omitted Genes: Snapin, LOC361990, S100a1



Credible Set



1 gene omitted

Position on chr20 (Mb)

date: Fri Oct 12 16:41:55 2018

build: P50_round4

display range: chr20:31118749–37118749 [31118749–37118749]

hilite range: 0 – 0 [0 – 0]

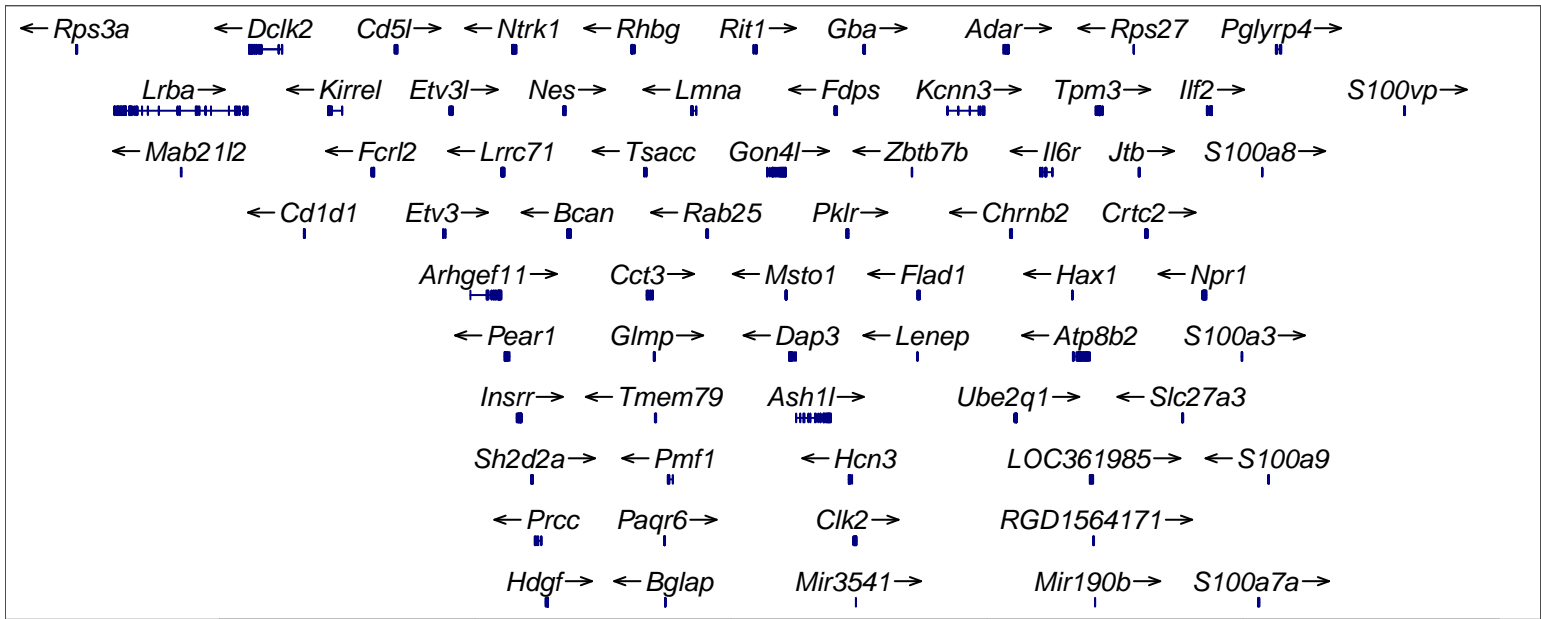
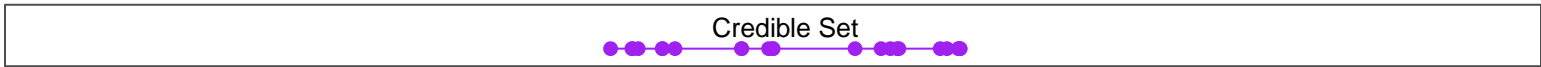
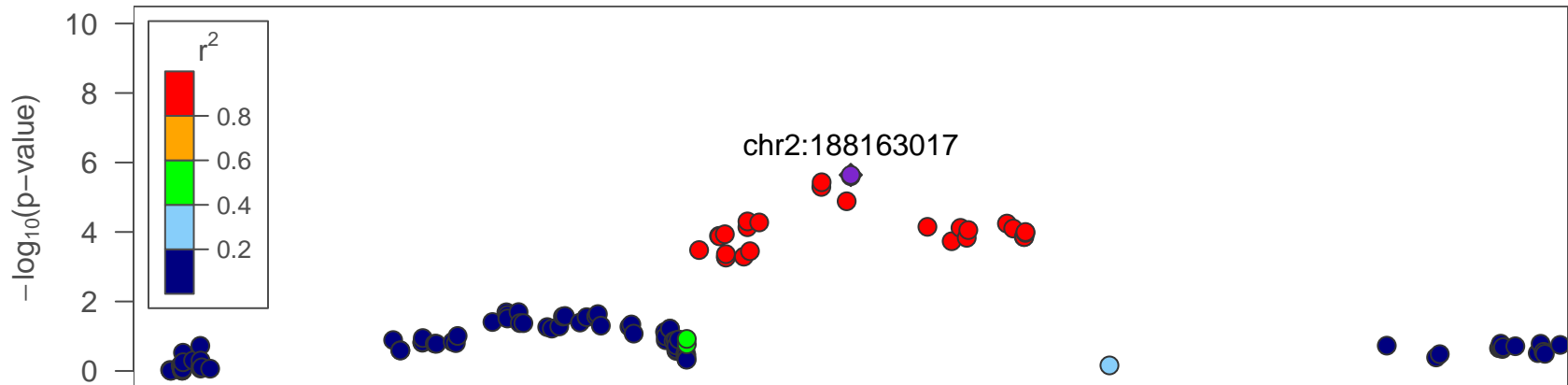
reference SNP: chr20:34118749

number of SNPs plotted: 130

min P-value: 1.25E–6 [chr20:34118749]

max P-value: 9.9E–1 [chr20:36477157]

omitted Genes: Tspan15



50 genes omitted

186 187 188 189 190 191
Position on chr2 (Mb)

date: Fri Oct 12 15:25:04 2018

build: P50_round4

display range: chr2:185163017–191163017 [185163017–191163017]

hilite range: 0 – 0 [0 – 0]

reference SNP: chr2:188163017

number of SNPs plotted: 116

min P-value: 2.28E–6 [chr2:188163017]

max P-value: 9.86E–1 [chr2:185318854]

omitted Genes: mrpl24, Rrnad1, lsg20l2

omitted Genes: Crabp2, Hapln2, Gpatch4

omitted Genes: Naxe, lqgap3, Mef2d

omitted Genes: Mir3597–1, Mir9–1, Slc25a44

omitted Genes: Sema4a, Lamtor2, Ubqln4

omitted Genes: Ssr2, Arhgef2, Syt11

omitted Genes: Scamp3, Fam189b, Mtx1

omitted Genes: Thbs3, Mir92b, Muc1

omitted Genes: Trim46, Krtcap2, Dpm3

omitted Genes: Slc50a1, Efna1, LOC102550325

omitted Genes: Efna4, Adam15, Cks1b

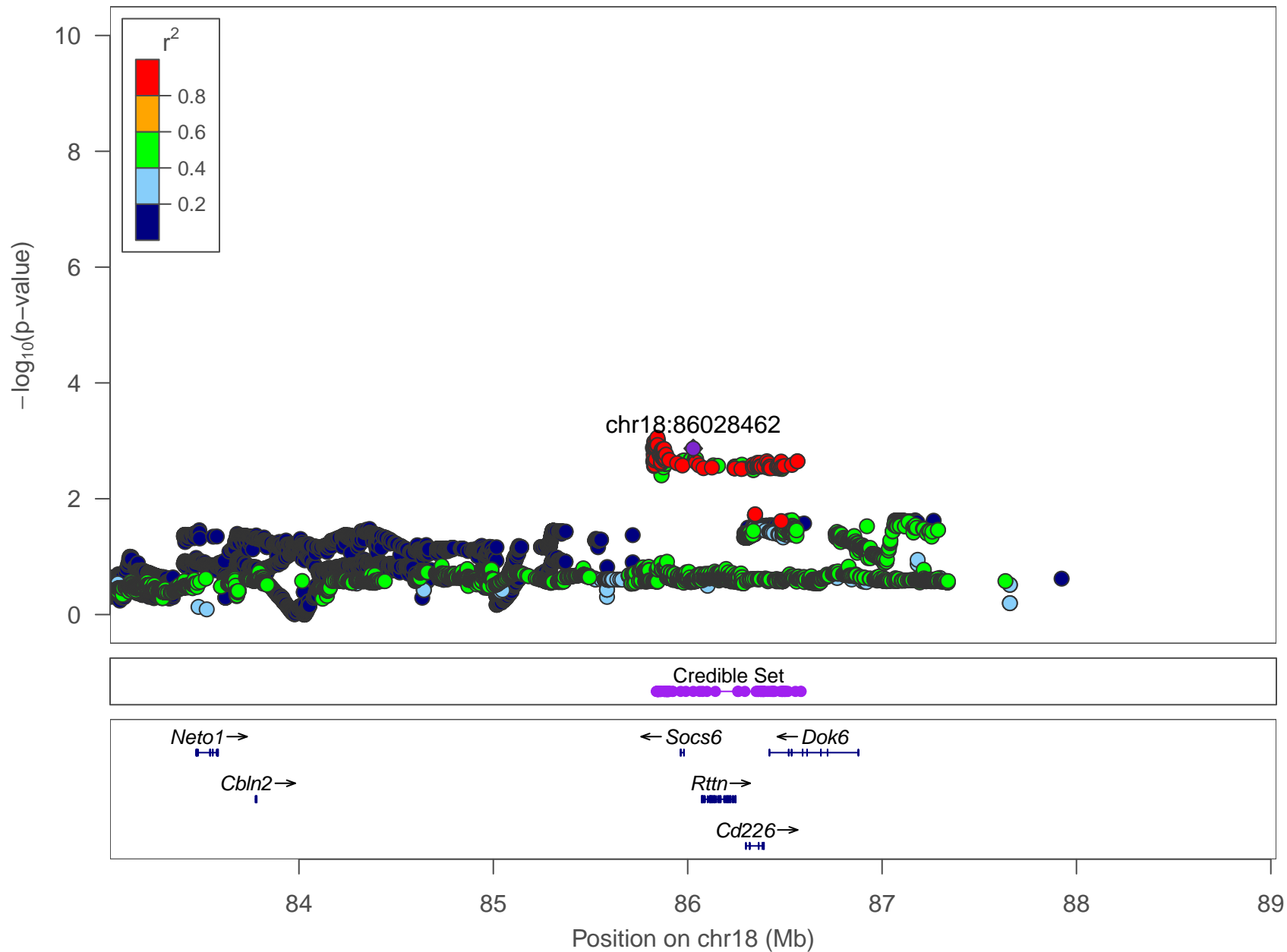
omitted Genes: Shc1, Pygo2, Pbxip1

omitted Genes: Pmvk, Nup210l, Rab13

omitted Genes: Creb3l4, Slc39a1, Gatad2b

Make more plots at <http://csg.sph.umich.edu/locuszoom/>

omitted Genes: Snapin, LOC361990, S100a1



date: Fri Oct 12 15:22:57 2018

build: P50_round4

display range: chr18:83028462–89028462 [83028462–89028462]

hilite range: 0 – 0 [0 – 0]

reference SNP: chr18:86028462

number of SNPs plotted: 9252

min P-value: 8.62E–4 [chr18:85861741]

max P-value: 9.99E–1 [chr18:84031034]