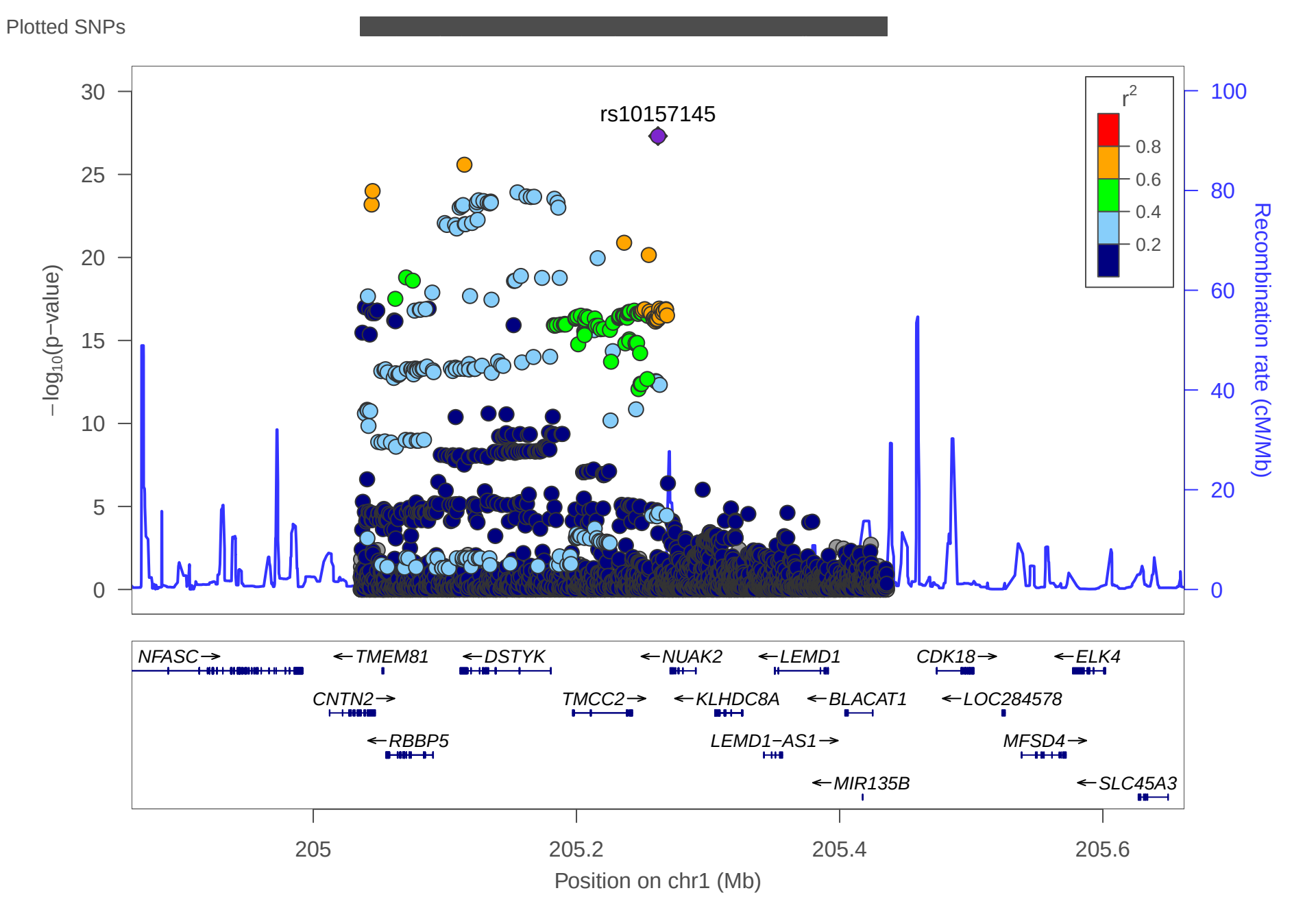
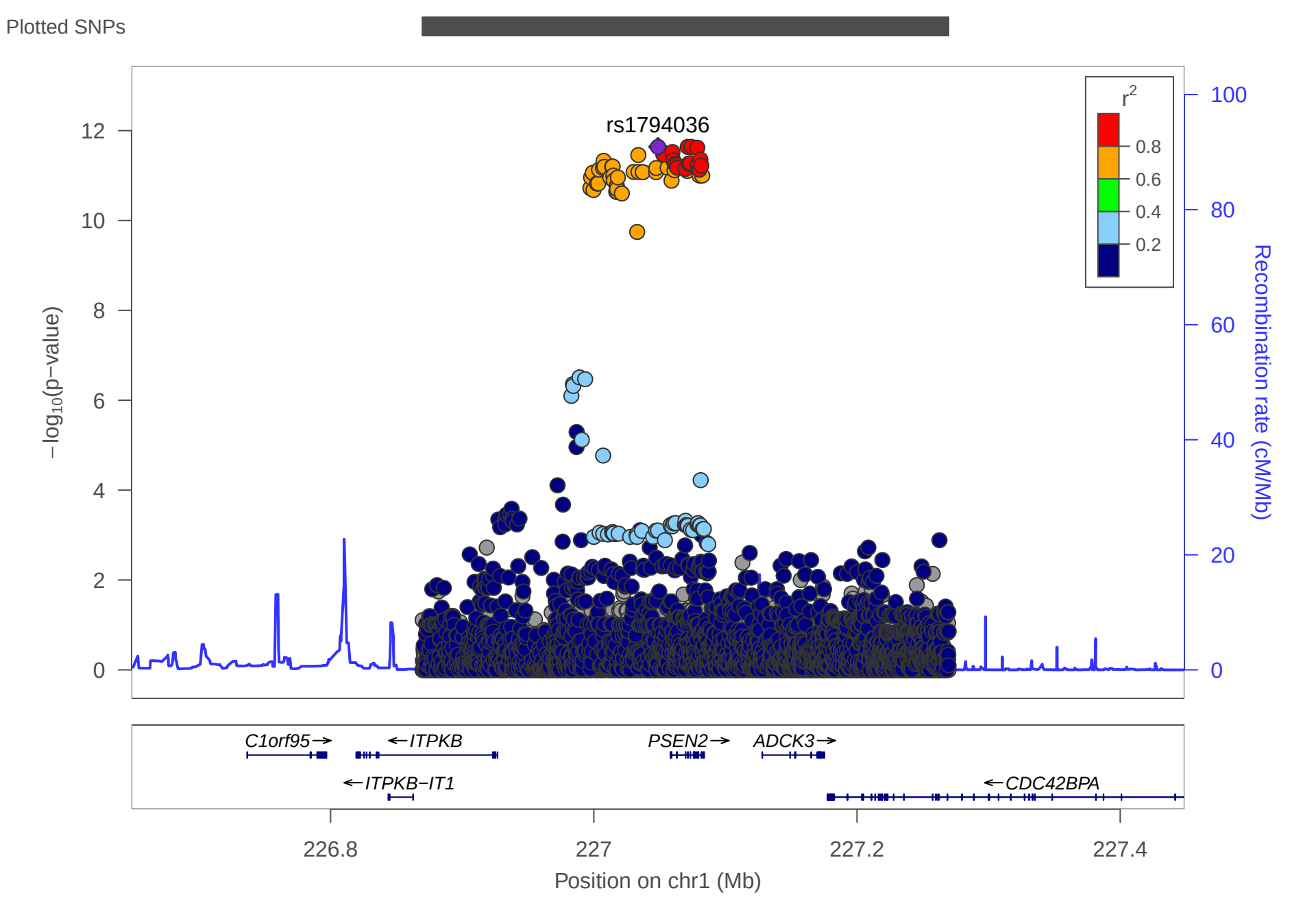
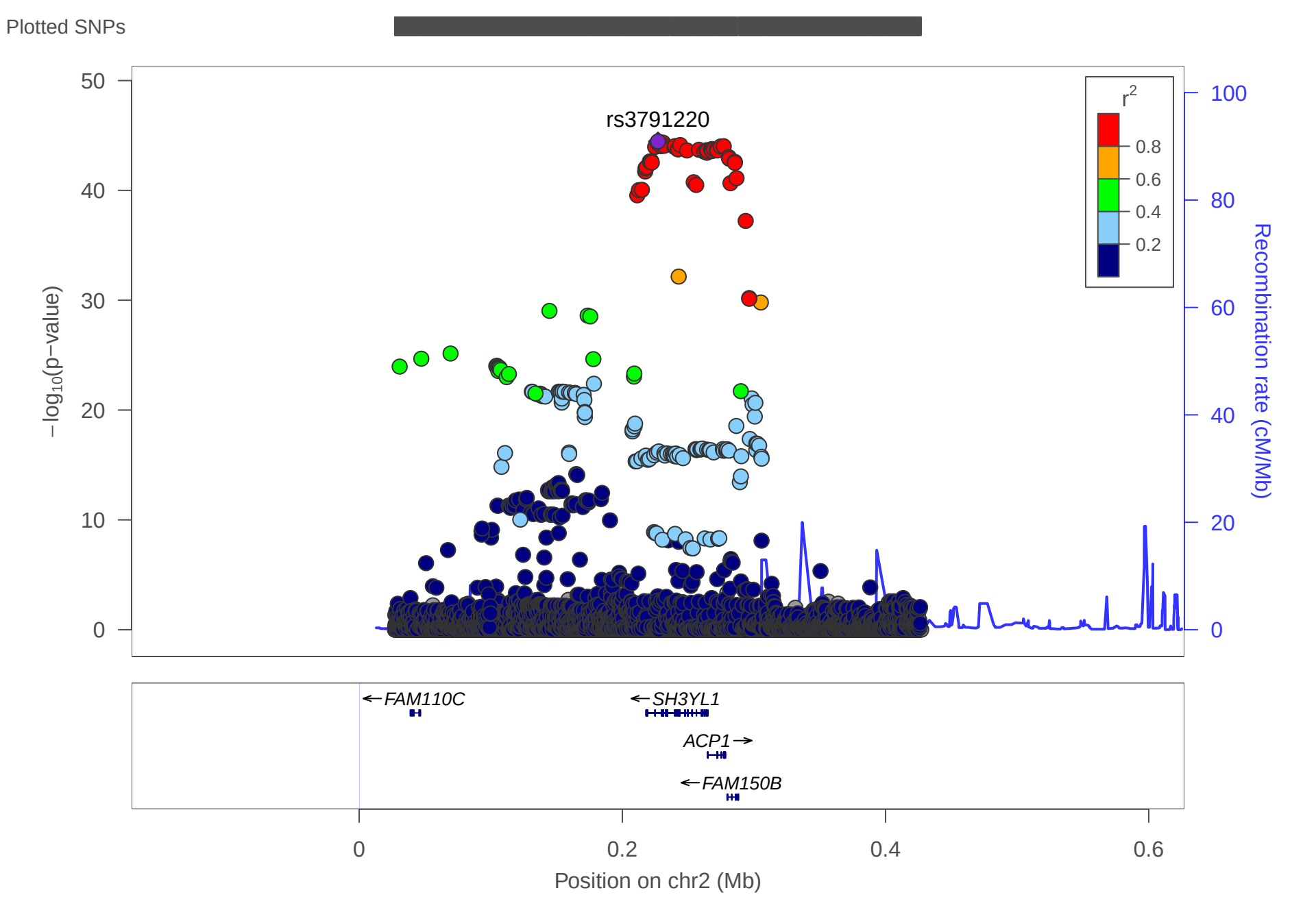

Plotted SNPs
rs10157145
r²
0.8
0.6
0.4
0.2
−log10(p−value)
Recombination rate (cM/Mb)
30
25
20
15
10
5
0
100
80
60
40
20
0
NFASC→
←TMEM81
←DSTYK
←NUAK2
←LEMD1
CDK18→
←ELK4
CNTN2→
TMCC2→
←KLHDC8A
←BLACAT1
←LOC284578
←RBBP5
LEMD1−AS1→
MFSD4→
←MIR135B
←SLC45A3
205
205.2
205.4
205.6
Position on chr1 (Mb)

date:	Thu Apr 1 00:10:04 2021
build:	hg19
display range:	chr1:204861963−205661963 [204861963−205661963]
hilite range:	0 − 0 [0 − 0]
reference SNP:	chr1:205261963
number of SNPs plotted:	5350
min P_BOLT_LMM_INF:	4.9E−28 [chr1:205261963]
max P_BOLT_LMM_INF:	1E0 [chr1:205036005]

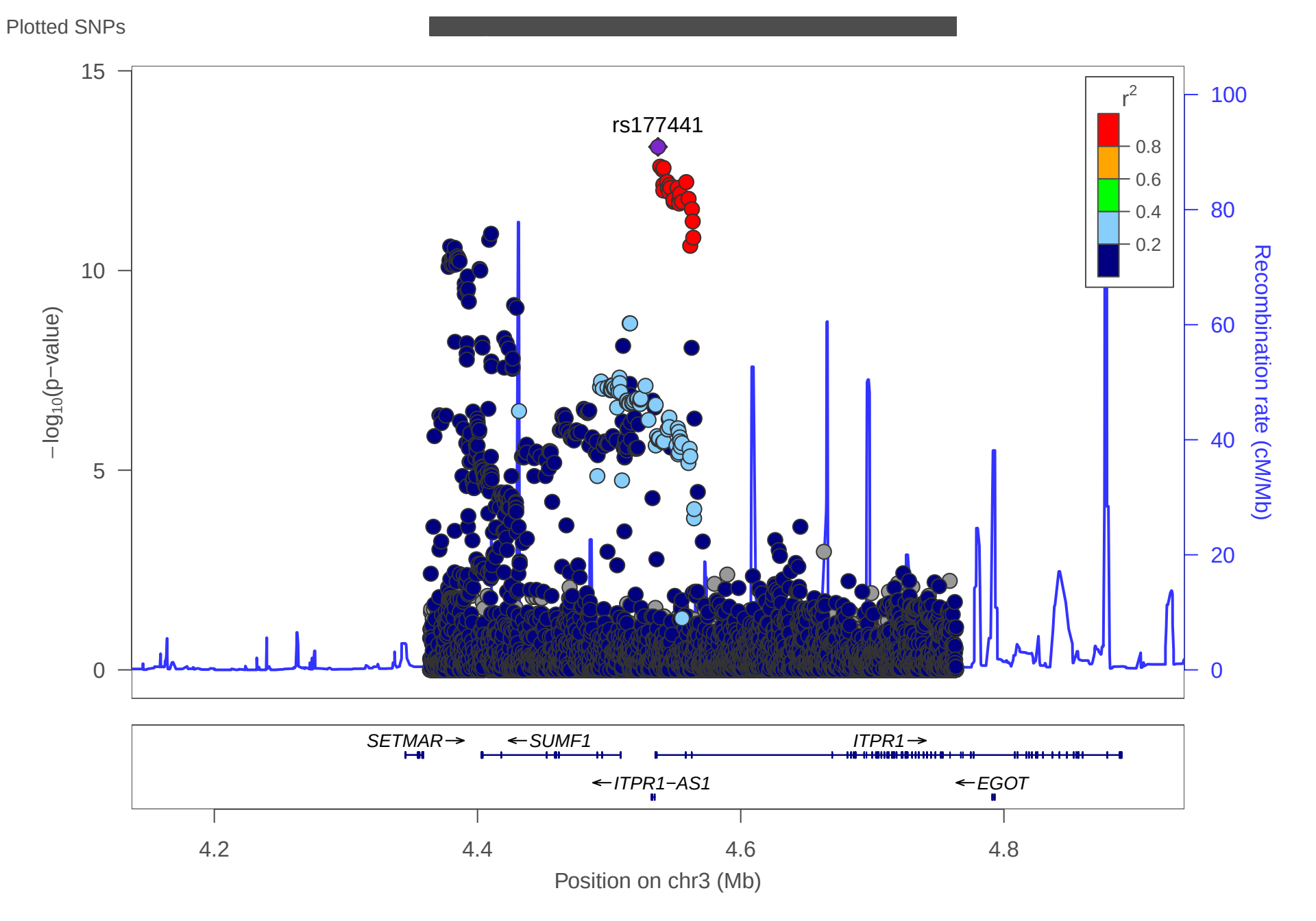

Plotted SNPs
rs1794036
r2
0.8
0.6
0.4
0.2
−log10(p−value)
Recombination rate (cM/Mb)
C1orf95
ITPKB
PSEN2
ADCK3
ITPKB−IT1
CDC42BPA
226.8
227
227.2
227.4
Position on chr1 (Mb)

date:	Wed Mar 31 14:20:29 2021
build:	hg19
display range:	chr1:226648759−227448759 [226648759−227448759]
hilite range:	0 − 0 [0 − 0]
reference SNP:	chr1:227048759
number of SNPs plotted:	5337
min P_BOLT_LMM_INF:	2.3E−12 [chr1:227048759]
max P_BOLT_LMM_INF:	1E0 [chr1:226869858]

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

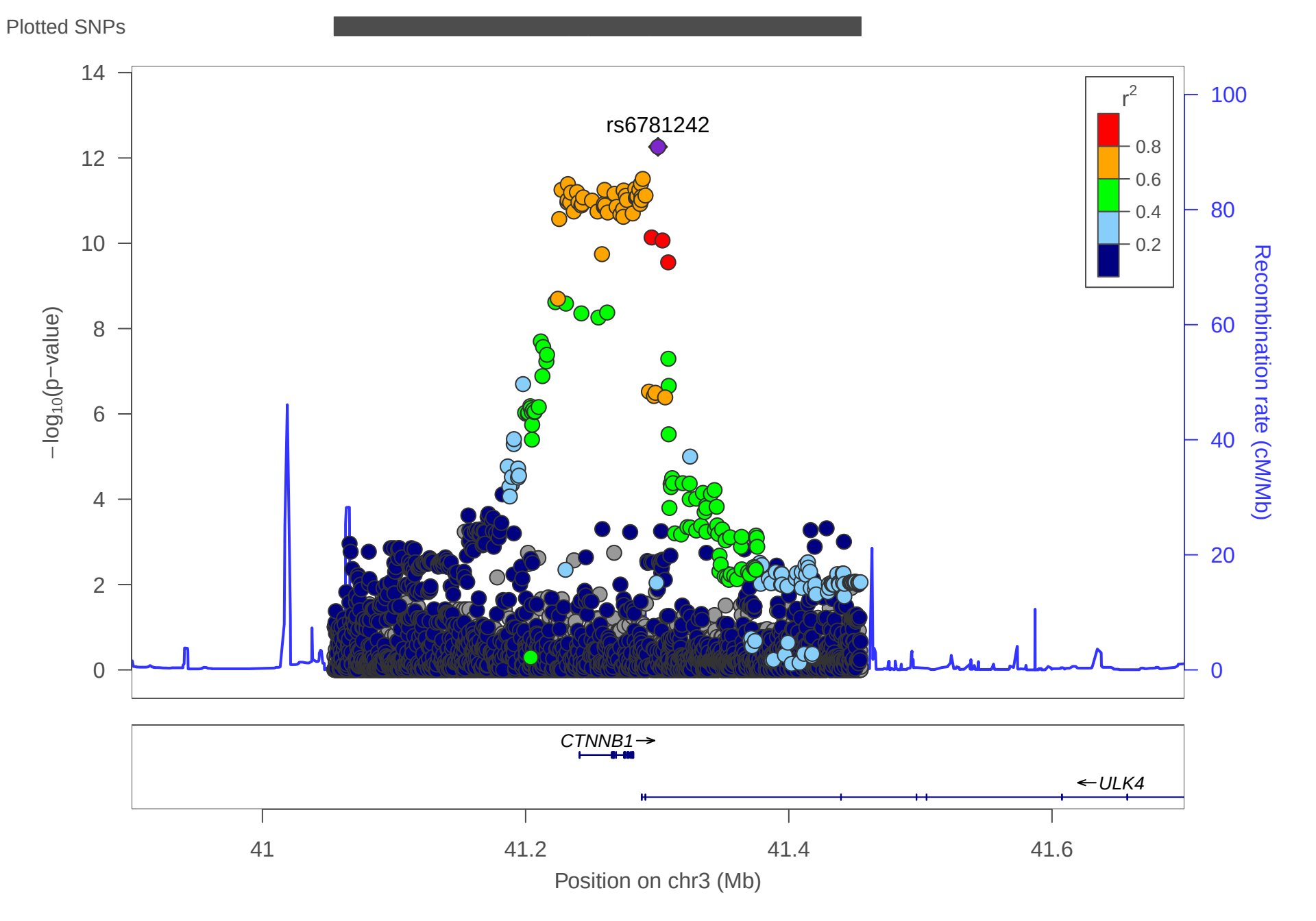

Plotted SNPs
rs3791220
r2
0.8
0.6
0.4
0.2
50
40
30
20
10
0
−log10(p−value)
100
80
60
40
20
0
Recombination rate (cM/Mb)
FAM110C
SH3YL1
ACP1
FAM150B
0
0.2
0.4
0.6
Position on chr2 (Mb)

date:	Wed Mar 31 14:24:56 2021
build:	hg19
display range:	chr2:−172934−627066 [−172934−627066]
hilite range:	0 − 0 [0 − 0]
reference SNP:	chr2:227066
number of SNPs plotted:	5858
min P_BOLT_LMM_INF:	3.5E−45 [chr2:227066]
max P_BOLT_LMM_INF:	1E0 [chr2:100117]


Plotted SNPs
rs177441
r2
0.8
0.6
0.4
0.2
15
10
5
0
100
80
60
40
20
0
−log10(p−value)
Recombination rate (cM/Mb)
SETMAR→
←SUMF1
ITPR1→
←ITPR1−AS1
←EGOT
4.2
4.4
4.6
4.8
Position on chr3 (Mb)

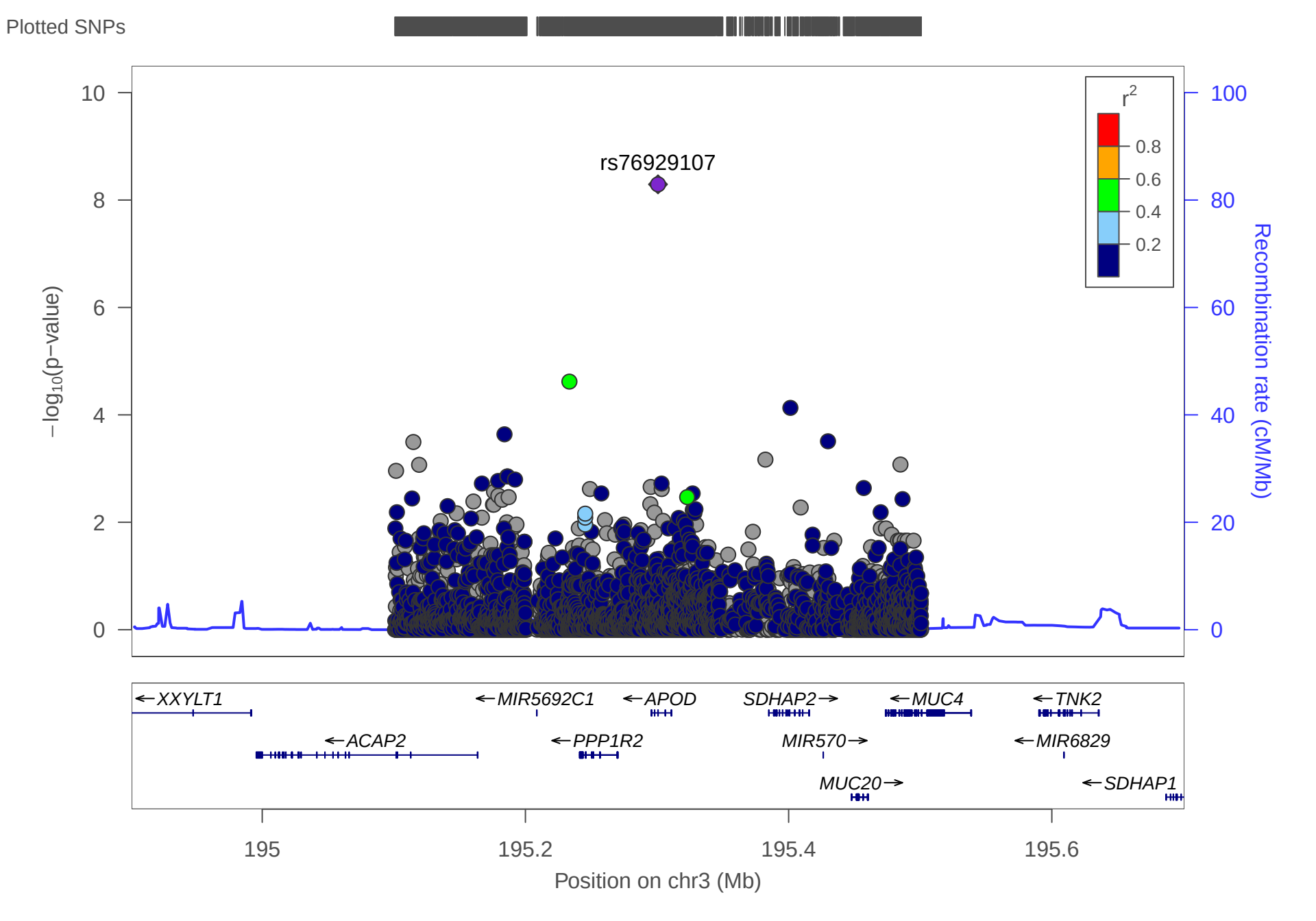
date:	Wed Mar 31 14:28:00 2021
build:	hg19
display range:	chr3:4137135−4937135 [4137135−4937135]
hilite range:	0 − 0 [0 − 0]
reference SNP:	chr3:4537135
number of SNPs plotted:	7089
min P_BOLT_LMM_INF:	8E−14 [chr3:4537135]
max P_BOLT_LMM_INF:	1E0 [chr3:4363917]

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


Plotted SNPs
rs6781242
r2
0.8
0.6
0.4
0.2
−log10(p−value)
Recombination rate (cM/Mb)
CTNNB1
ULK4
Position on chr3 (Mb)

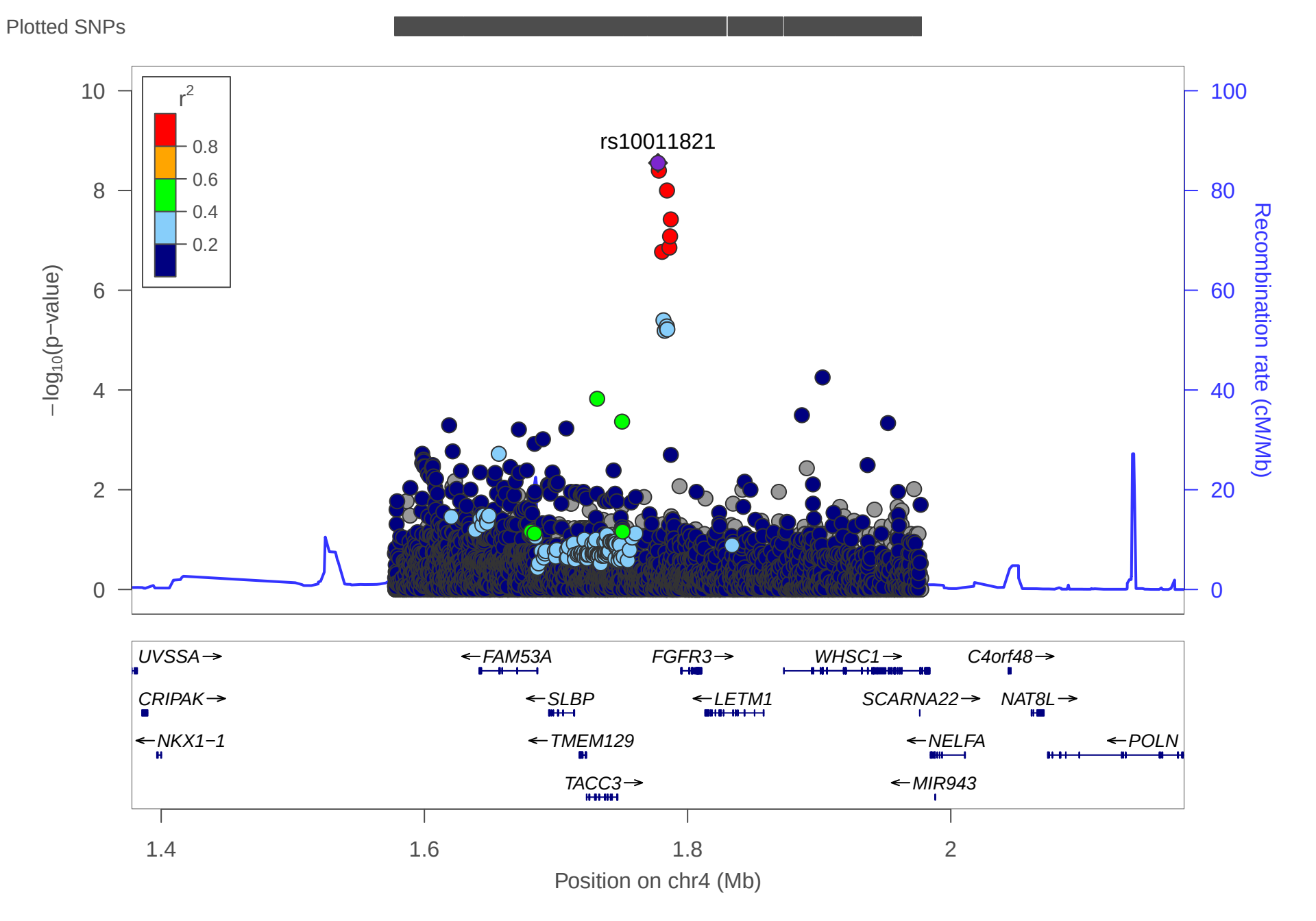
date:	Wed Mar 31 14:26:49 2021
build:	hg19
display range:	chr3:40900601−41700601 [40900601−41700601]
hilite range:	0 − 0 [0 − 0]
reference SNP:	chr3:41300601
number of SNPs plotted:	5557
min P_BOLT_LMM_INF:	5.5E−13 [chr3:41300601]
max P_BOLT_LMM_INF:	1E0 [chr3:41054676]

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

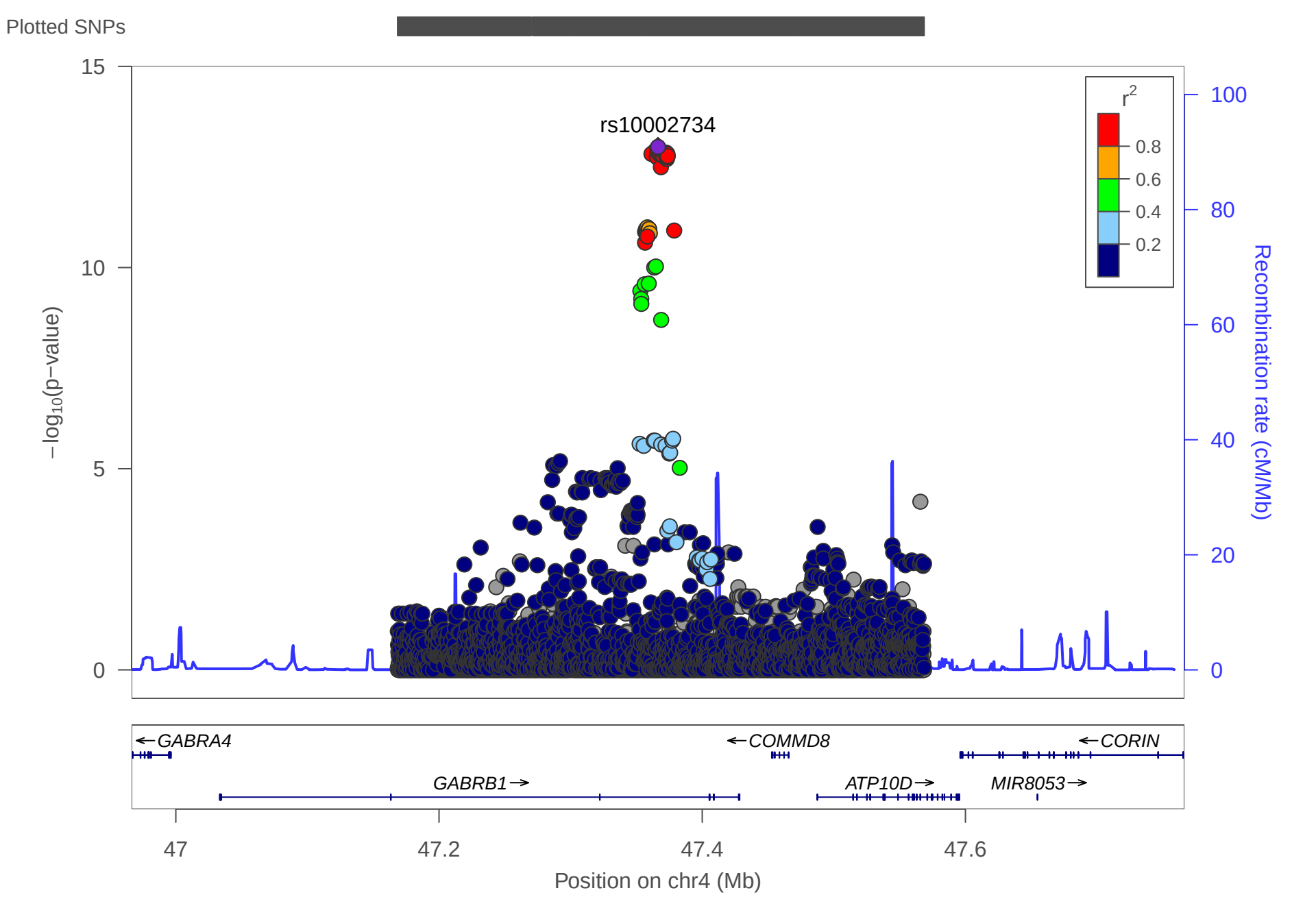

Plotted SNPs
rs76929107
r2
0.8
0.6
0.4
0.2
−log10(p−value)
Recombination rate (cM/Mb)
10
8
6
4
2
0
100
80
60
40
20
0
XXYLT1
MIR5692C1
APOD
SDHAP2
MUC4
TNK2
ACAP2
PPP1R2
MIR570
MIR6829
MUC20
SDHAP1
195
195.2
195.4
195.6
Position on chr3 (Mb)

date:	Wed Mar 31 14:18:54 2021
build:	hg19
display range:	chr3:194900740−195700740 [194900740−195700740]
hilite range:	0 − 0 [0 − 0]
reference SNP:	chr3:195300740
number of SNPs plotted:	4620
min P_BOLT_LMM_INF:	5.1E−9 [chr3:195300740]
max P_BOLT_LMM_INF:	1E0 [chr3:195100903]

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

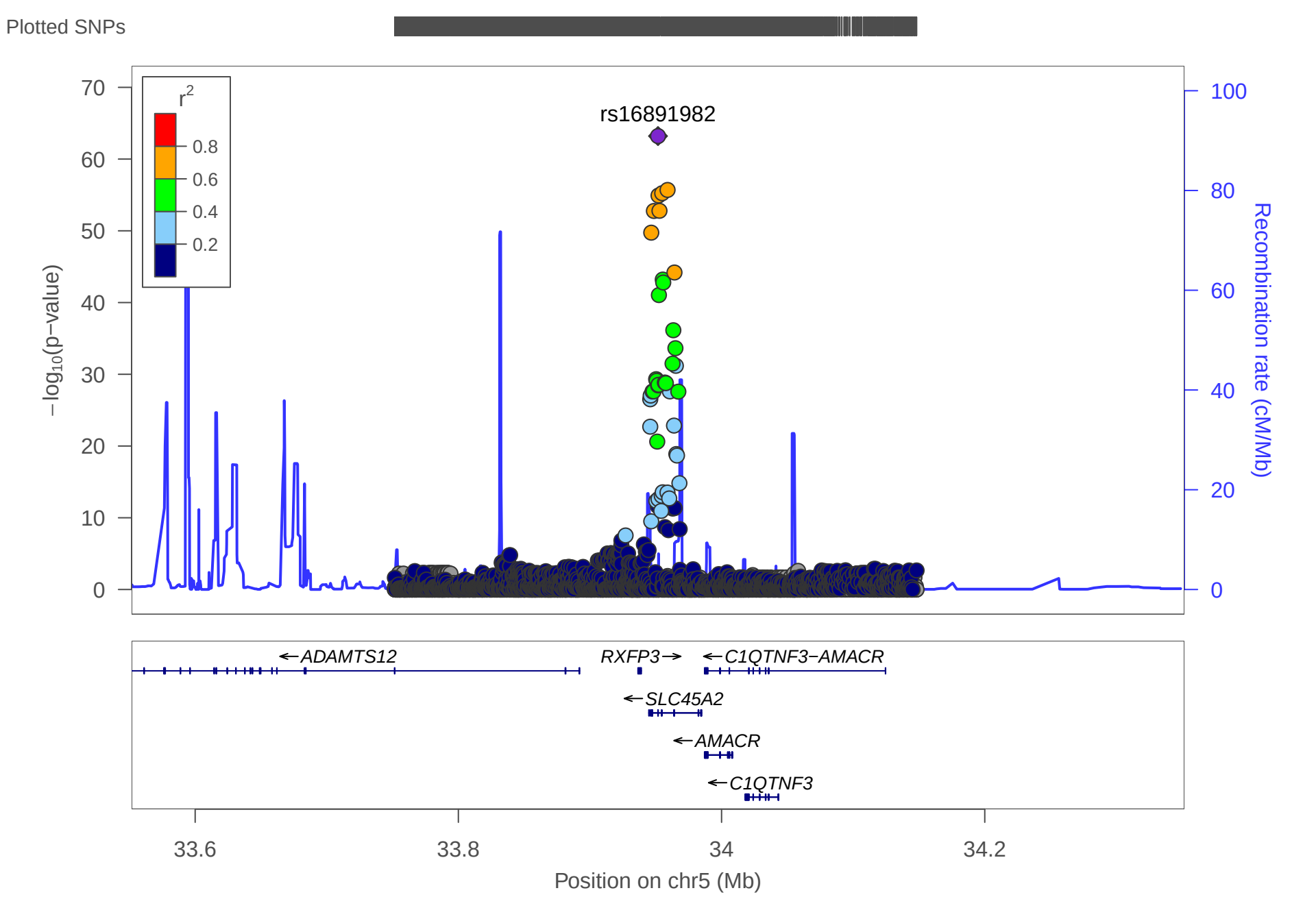

Plotted SNPs
r2
0.8
0.6
0.4
0.2
rs10011821
−log10(p−value)
Recombination rate (cM/Mb)
10
8
6
4
2
0
100
80
60
40
20
0
UVSSA→
←FAM53A
FGFR3→
WHSC1→
C4orf48→
CRIPAK→
←SLBP
←LETM1
SCARNA22→
NAT8L→
←NKX1−1
←TMEM129
←NELFA
←POLN
TACC3→
←MIR943
1.4
1.6
1.8
2
Position on chr4 (Mb)

date:	Thu Apr 1 00:09:21 2021
build:	hg19
display range:	chr4:1377512−2177512 [1377512−2177512]
hilite range:	0 − 0 [0 − 0]
reference SNP:	chr4:1777512
number of SNPs plotted:	6000
min P_BOLT_LMM_INF:	2.8E−9 [chr4:1777512]
max P_BOLT_LMM_INF:	1E0 [chr4:1577909]


Plotted SNPs
rs10002734
r2
0.8
0.6
0.4
0.2
15
10
5
0
−log10(p−value)
100
80
60
40
20
0
Recombination rate (cM/Mb)
←GABRA4
←COMMD8
←CORIN
GABRB1→
ATP10D→
MIR8053→
47
47.2
47.4
47.6
Position on chr4 (Mb)

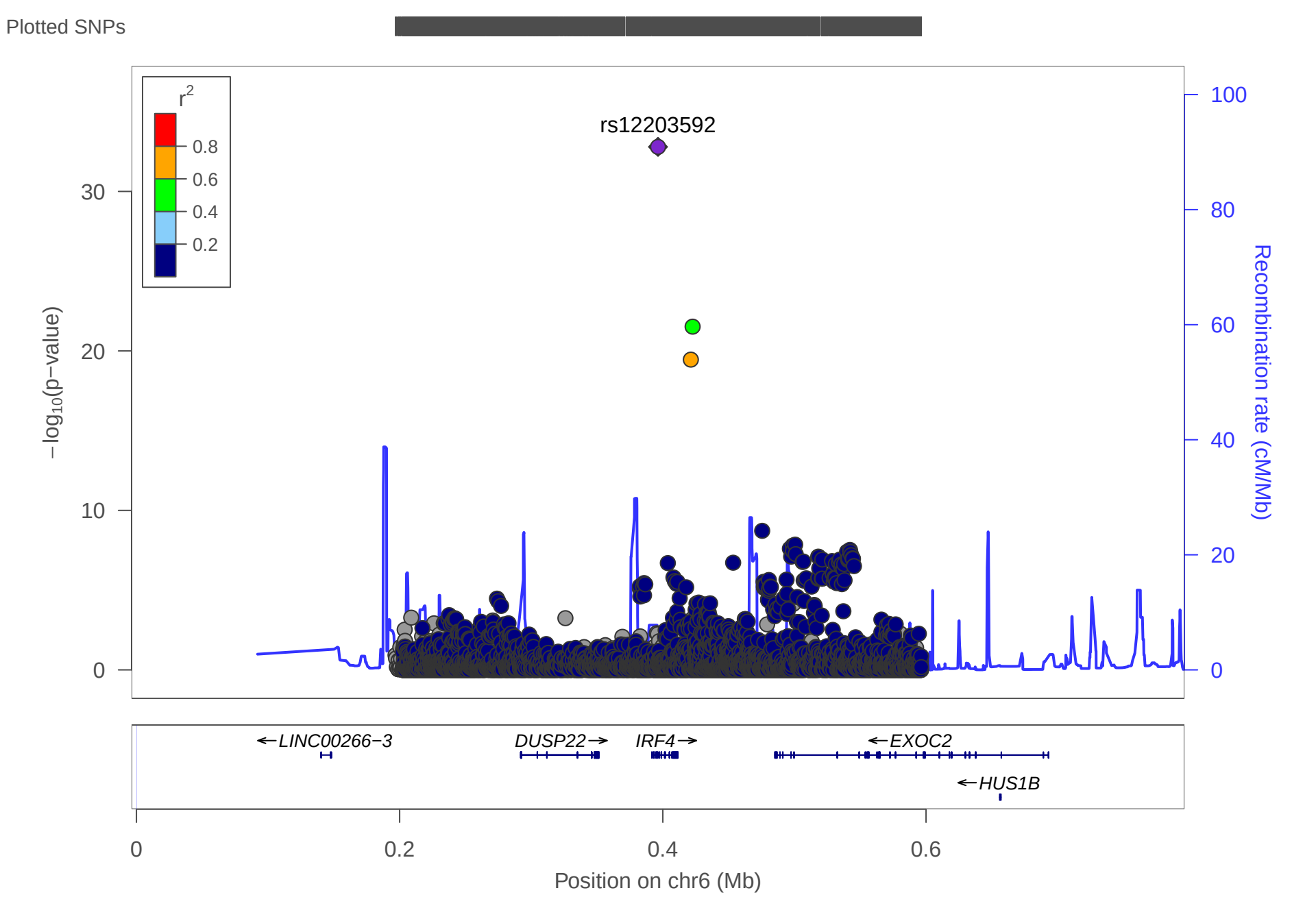
date:	Wed Mar 31 14:29:09 2021
build:	hg19
display range:	chr4:46966395−47766395 [46966395−47766395]
hilite range:	0 − 0 [0 − 0]
reference SNP:	chr4:47366395
number of SNPs plotted:	5484
min P_BOLT_LMM_INF:	1E−13 [chr4:47366395]
max P_BOLT_LMM_INF:	1E0 [chr4:47168860]

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


Plotted SNPs
rs16891982
r2
0.8
0.6
0.4
0.2
−log10(p−value)
Recombination rate (cM/Mb)
ADAMTS12
RXFP3
C1QTNF3−AMACR
SLC45A2
AMACR
C1QTNF3
Position on chr5 (Mb)

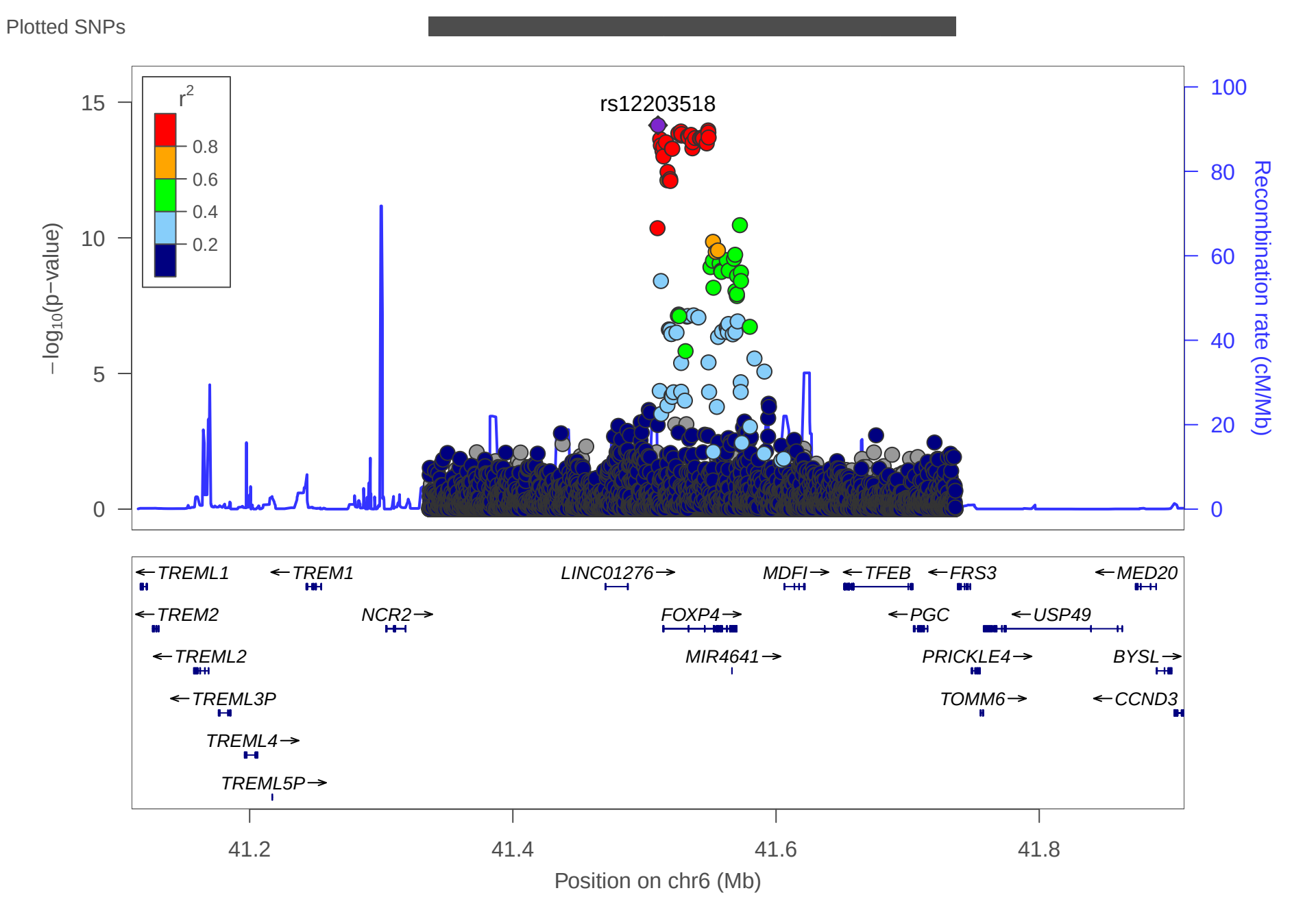
date:	Thu Apr 1 00:10:32 2021
build:	hg19
display range:	chr5:33551693−34351693 [33551693−34351693]
hilite range:	0 − 0 [0 − 0]
reference SNP:	chr5:33951693
number of SNPs plotted:	4980
min P_BOLT_LMM_INF:	6.2E−64 [chr5:33951693]
max P_BOLT_LMM_INF:	1E0 [chr5:33751781]

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


Plotted SNPs
r2
0.8
0.6
0.4
0.2
rs12203592
30
20
10
0
−log10(p−value)
100
80
60
40
20
0
Recombination rate (cM/Mb)
←LINC00266−3
DUSP22→
IRF4→
←EXOC2
←HUS1B
0
0.2
0.4
0.6
Position on chr6 (Mb)

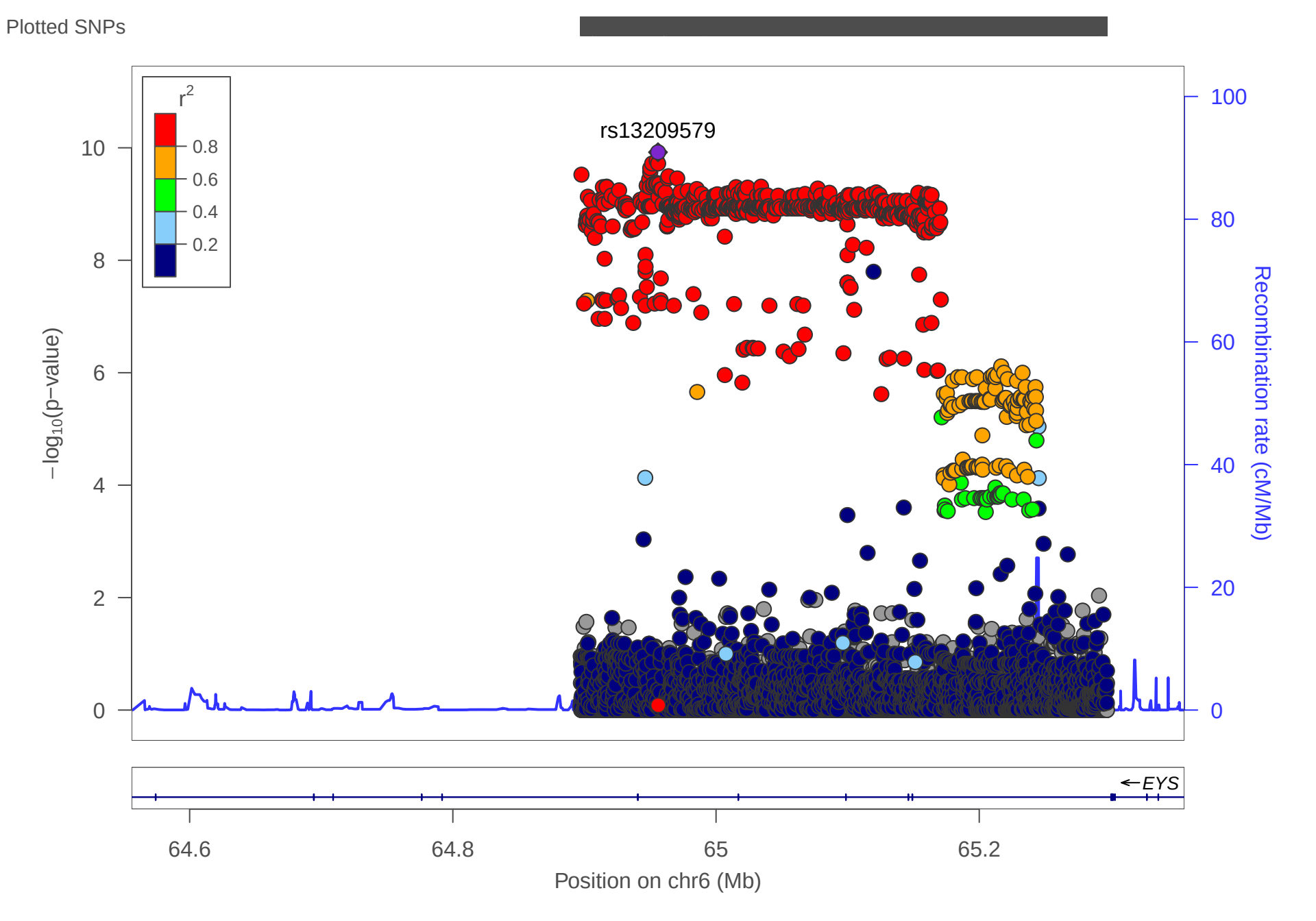
date:	Thu Apr 1 00:09:41 2021
build:	hg19
display range:	chr6:−3679−796321 [−3679−796321]
hilite range:	0 − 0 [0 − 0]
reference SNP:	chr6:396321
number of SNPs plotted:	5864
min P_BOLT_LMM_INF:	1.6E−33 [chr6:396321]
max P_BOLT_LMM_INF:	1E0 [chr6:201921]

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

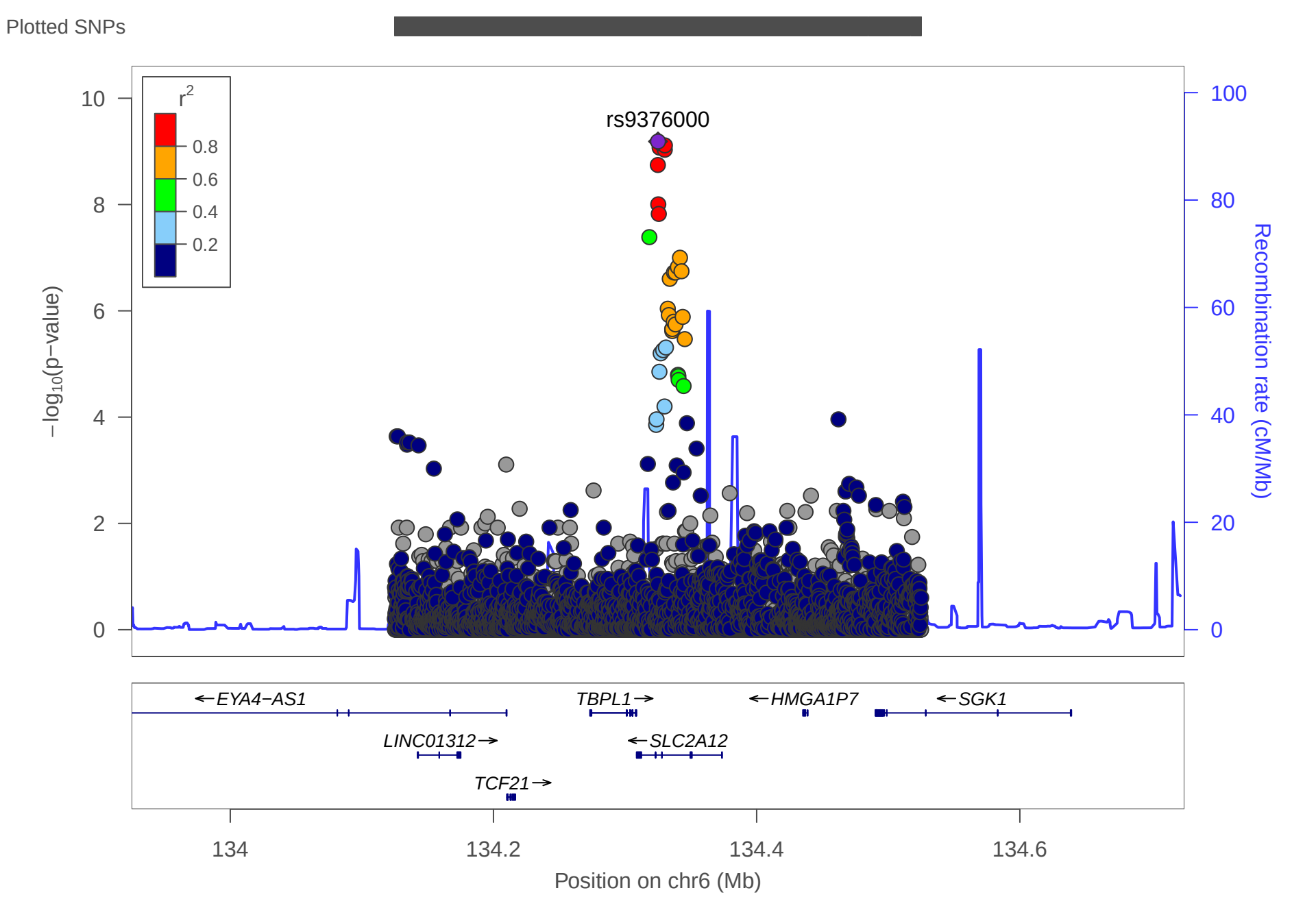

Plotted SNPs
rs12203518
r2
0.8
0.6
0.4
0.2
15
10
5
0
−log10(p−value)
100
80
60
40
20
0
Recombination rate (cM/Mb)
TREML1
TREM1
LINC01276
MDFI
TFEB
FRS3
MED20
TREM2
NCR2
FOXP4
PGC
USP49
TREML2
MIR4641
PRICKLE4
BYSL
TREML3P
TOMM6
CCND3
TREML4
TREML5P
41.2
41.4
41.6
41.8
Position on chr6 (Mb)

date:	Wed Mar 31 14:26:16 2021
build:	hg19
display range:	chr6:41110291−41910291 [41110291−41910291]
hilite range:	0 − 0 [0 − 0]
reference SNP:	chr6:41510291
number of SNPs plotted:	5672
min P_BOLT_LMM_INF:	7.1E−15 [chr6:41510291]
max P_BOLT_LMM_INF:	1E0 [chr6:41336434]

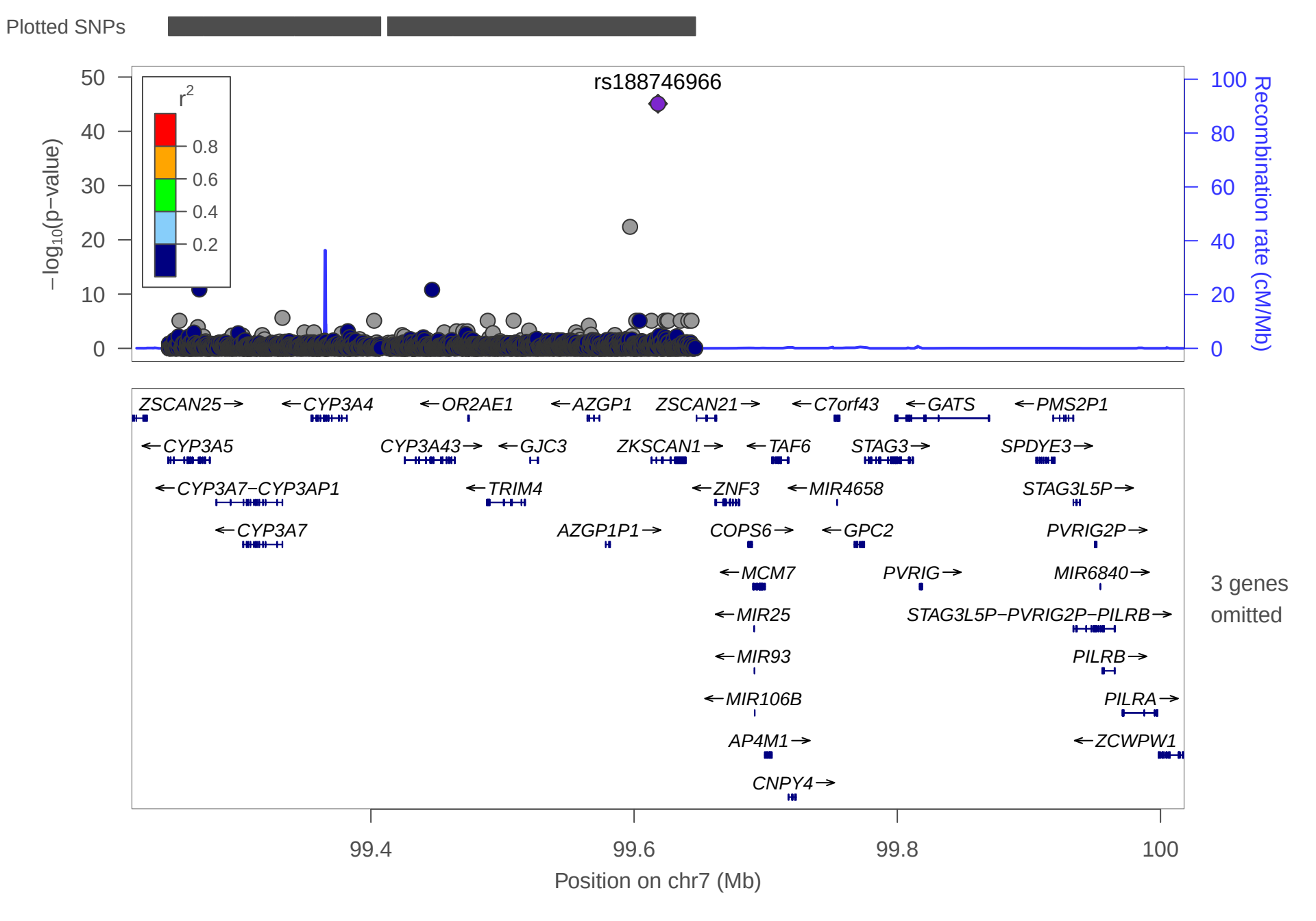
Make more plots at http://csg.sph.umich.edu/locuszoom/


Plotted SNPs
r2
0.8
0.6
0.4
0.2
rs13209579
10
8
6
4
2
0
−log10(p−value)
100
80
60
40
20
0
Recombination rate (cM/Mb)
←EYS
64.6
64.8
65
65.2
Position on chr6 (Mb)

date:	Wed Mar 31 14:30:27 2021
build:	hg19
display range:	chr6:64555890−65355890 [64555890−65355890]
hilite range:	0 − 0 [0 − 0]
reference SNP:	chr6:64955890
number of SNPs plotted:	5647
min P_BOLT_LMM_INF:	1.2E−10 [chr6:64955890]
max P_BOLT_LMM_INF:	1E0 [chr6:64897472]


Plotted SNPs
rs9376000
r2
0.8
0.6
0.4
0.2
−log10(p−value)
Recombination rate (cM/Mb)
EYA4−AS1
TBPL1
HMGA1P7
SGK1
LINC01312
SLC2A12
TCF21
Position on chr6 (Mb)

date:	Thu Apr 1 00:13:23 2021
build:	hg19
display range:	chr6:133925029−134725029 [133925029−134725029]
hilite range:	0 − 0 [0 − 0]
reference SNP:	chr6:134325029
number of SNPs plotted:	5410
min P_BOLT_LMM_INF:	6.5E−10 [chr6:134325029]
max P_BOLT_LMM_INF:	1E0 [chr6:134125166]


Plotted SNPs
rs188746966
r2
0.8
0.6
0.4
0.2
−log10(p−value)
Recombination rate (cM/Mb)
ZSCAN25→
←CYP3A4
←OR2AE1
←AZGP1
ZSCAN21→
←C7orf43
←GATS
←PMS2P1
←CYP3A5
CYP3A43→
←GJC3
ZKSCAN1→
←TAF6
STAG3→
SPDYE3→
←CYP3A7−CYP3AP1
←TRIM4
←ZNF3
←MIR4658
STAG3L5P→
←CYP3A7
AZGP1P1→
COPS6→
←GPC2
PVRIG2P→
←MCM7
PVRIG→
MIR6840→
←MIR25
STAG3L5P−PVRIG2P−PILRB→
←MIR93
PILRB→
←MIR106B
PILRA→
AP4M1→
←ZCWPW1
CNPY4→
3 genes omitted
Position on chr7 (Mb)

date:	Wed Mar 31 14:21:59 2021
build:	hg19
display range:	chr7:99218147−100018147 [99218147−100018147]
hilite range:	0 − 0 [0 − 0]
reference SNP:	chr7:99618147
number of SNPs plotted:	4885
min P_BOLT_LMM_INF:	8.2E−46 [chr7:99618147]
max P_BOLT_LMM_INF:	1E0 [chr7:99246517]
omitted Genes:	MBLAC1, LAMTOR4, GAL3ST4

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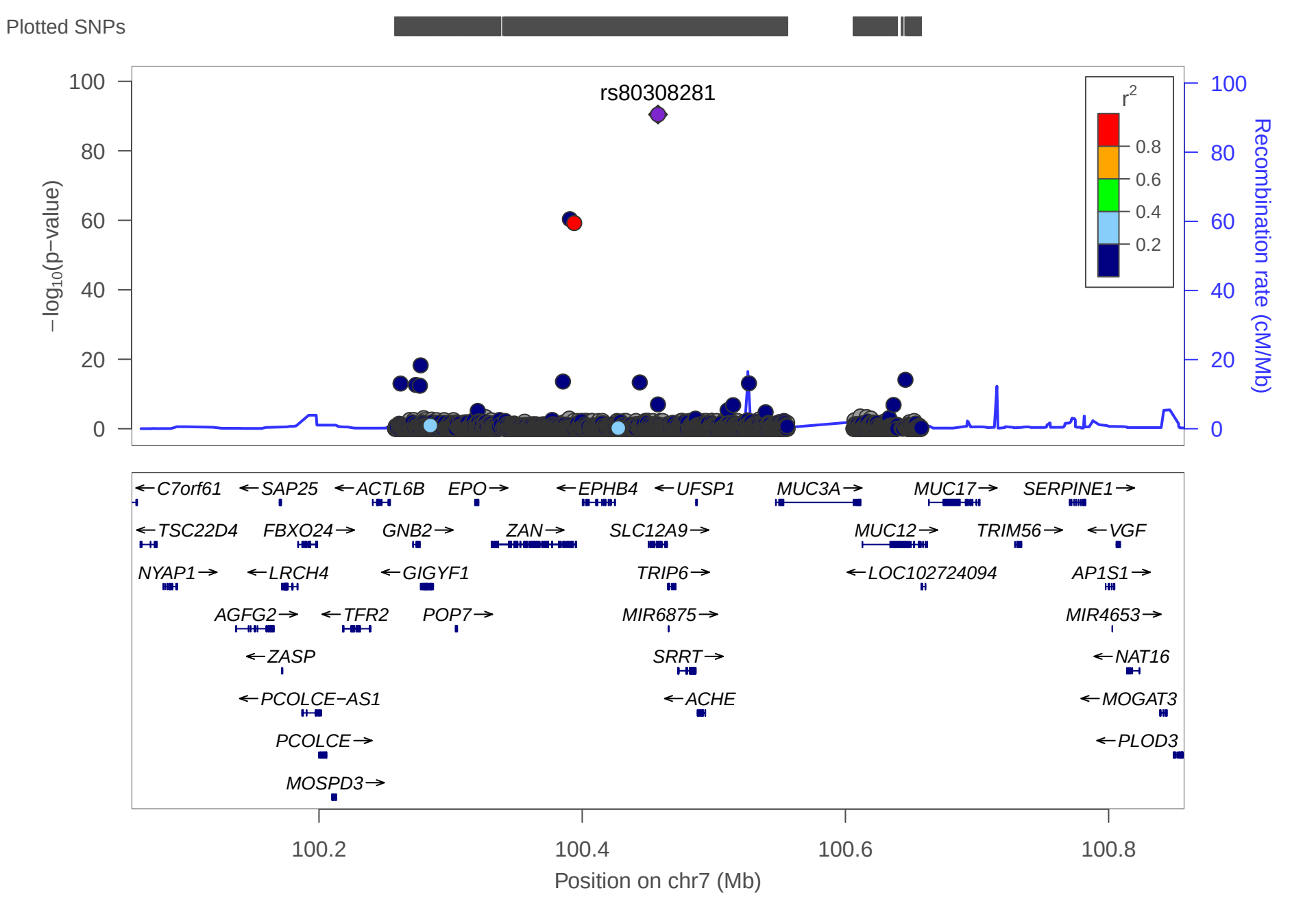
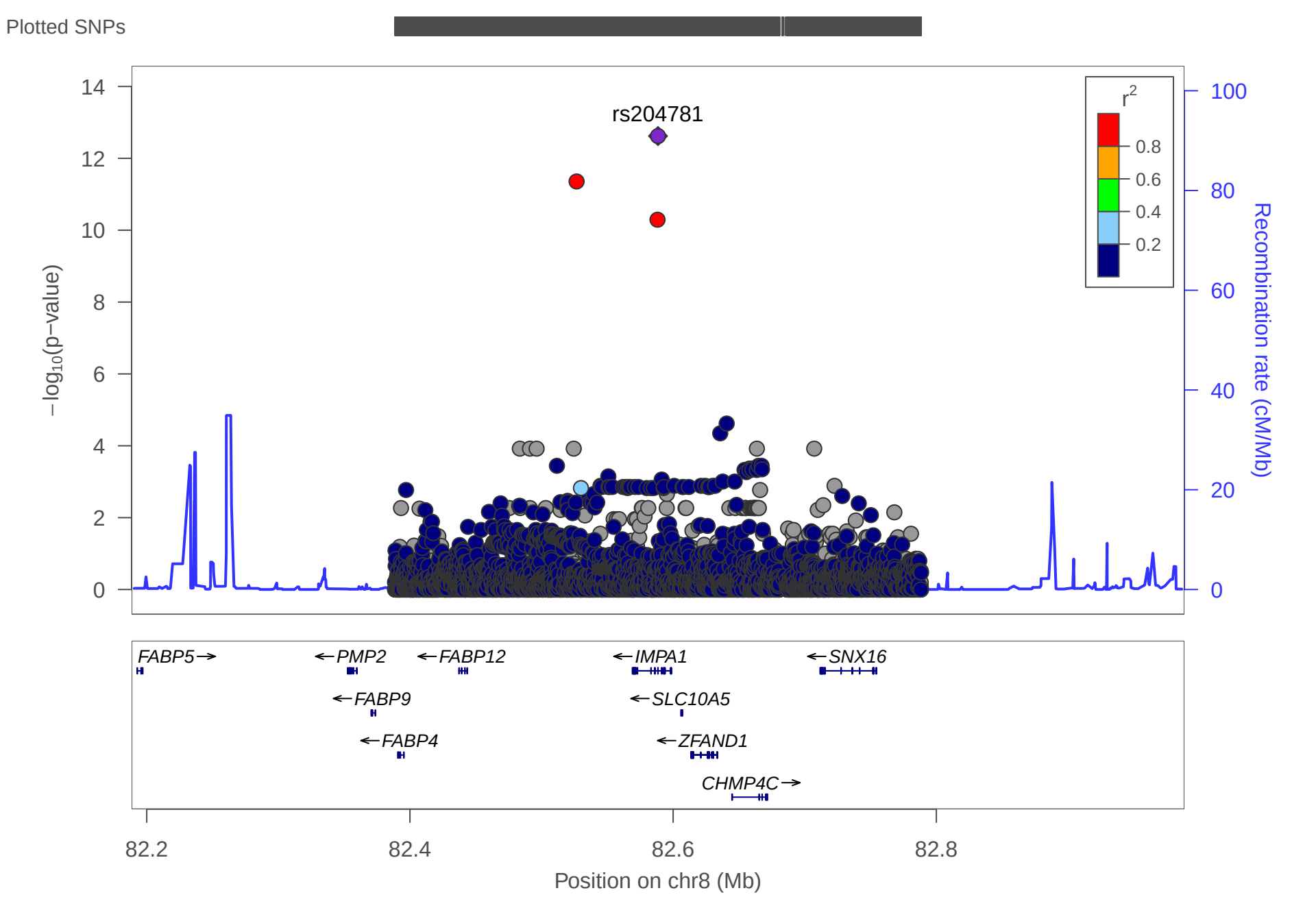

Plotted SNPs
rs80308281
r2
0.8
0.6
0.4
0.2
−log10(p−value)
Recombination rate (cM/Mb)
100
80
60
40
20
0
C7orf61
SAP25
ACTL6B
EPO
EPHB4
UFSP1
MUC3A
MUC17
SERPINE1
TSC22D4
FBXO24
GNB2
ZAN
SLC12A9
MUC12
TRIM56
VGF
NYAP1
LRCH4
GIGYF1
TRIP6
LOC102724094
AP1S1
AGFG2
TFR2
POP7
MIR6875
MIR4653
ZASP
SRRT
NAT16
PCOLCE−AS1
ACHE
MOGAT3
PCOLCE
PLOD3
MOSPD3
100.2
100.4
100.6
100.8
Position on chr7 (Mb)

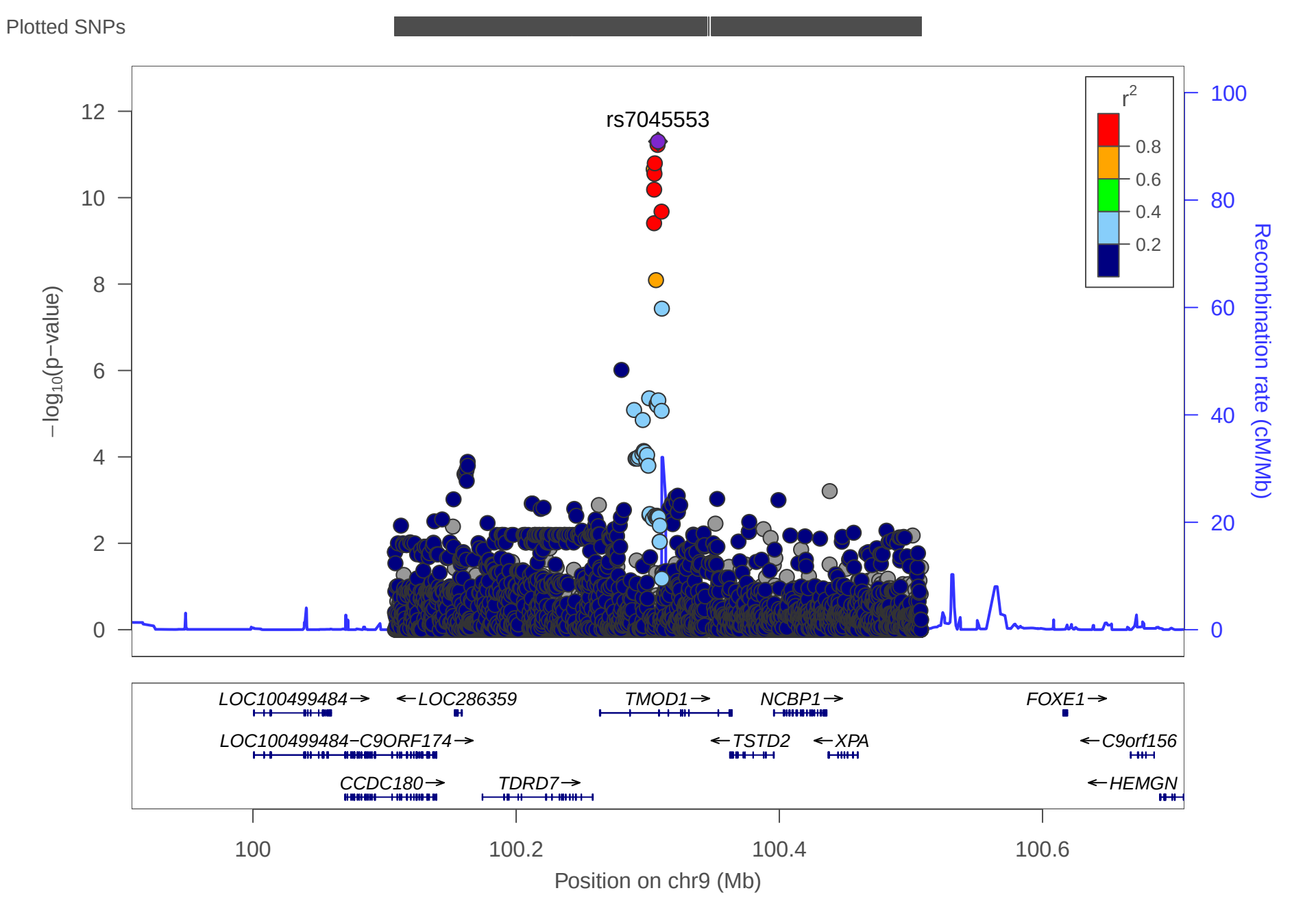
date:	Thu Apr 1 00:12:29 2021
build:	hg19
display range:	chr7:100057578−100857578 [100057578−100857578]
hilite range:	0 − 0 [0 − 0]
reference SNP:	chr7:100457578
number of SNPs plotted:	5092
min P_BOLT_LMM_INF:	3.5E−91 [chr7:100457578]
max P_BOLT_LMM_INF:	1E0 [chr7:100257718]

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


Plotted SNPs
rs204781
r2
0.8
0.6
0.4
0.2
−log10(p−value)
Recombination rate (cM/Mb)
14
12
10
8
6
4
2
0
100
80
60
40
20
0
FABP5
PMP2
FABP12
IMPA1
SNX16
FABP9
SLC10A5
FABP4
ZFAND1
CHMP4C
82.2
82.4
82.6
82.8
Position on chr8 (Mb)

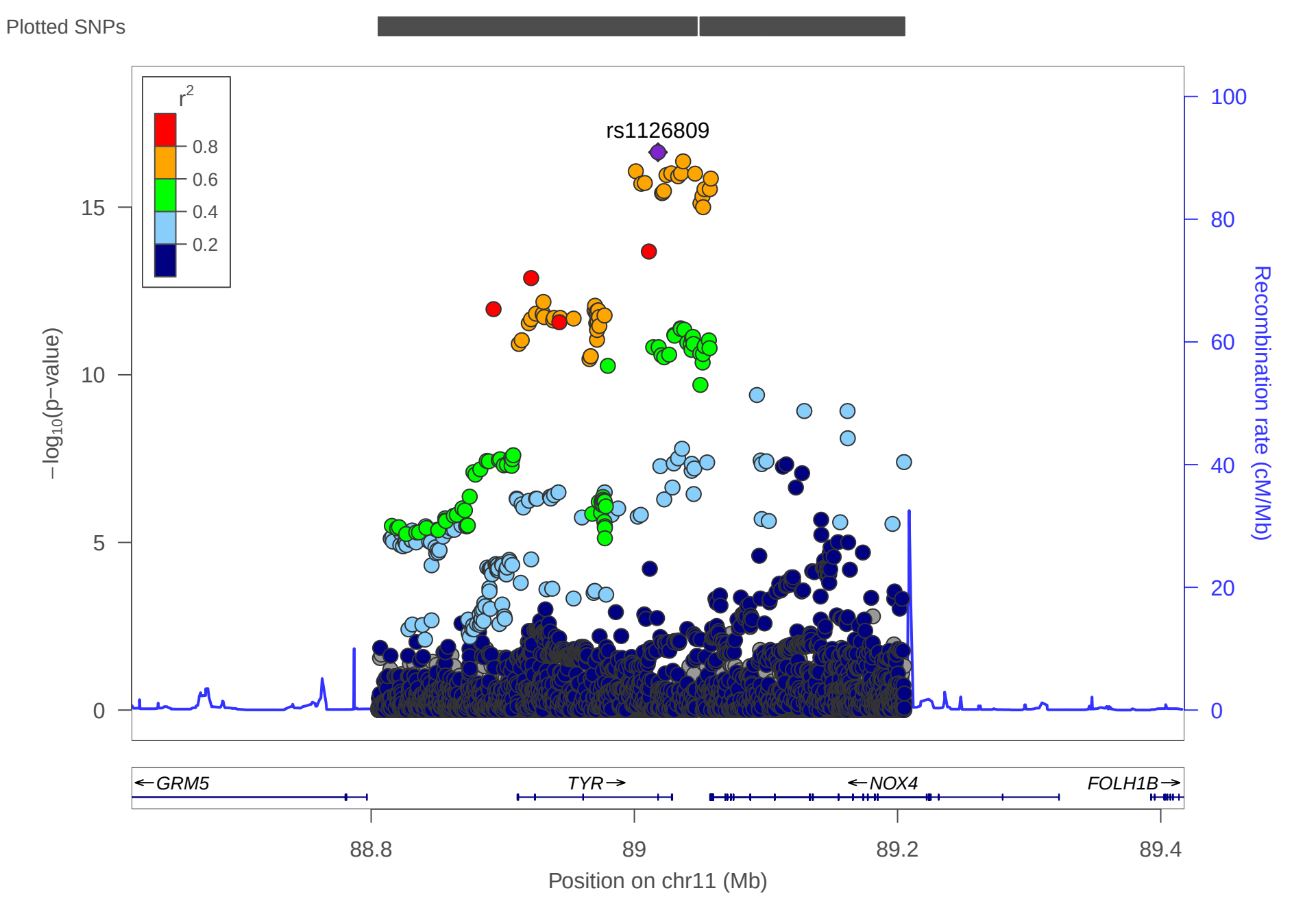
date:	Thu Apr 1 00:10:58 2021
build:	hg19
display range:	chr8:82188492−82988492 [82188492−82988492]
hilite range:	0 − 0 [0 − 0]
reference SNP:	chr8:82588492
number of SNPs plotted:	5644
min P_BOLT_LMM_INF:	2.4E−13 [chr8:82588492]
max P_BOLT_LMM_INF:	1E0 [chr8:82388680]

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


Plotted SNPs
rs7045553
r2
0.8
0.6
0.4
0.2
−log10(p−value)
Recombination rate (cM/Mb)
LOC100499484
LOC286359
TMOD1
NCBP1
FOXE1
LOC100499484−C9ORF174
TSTD2
XPA
C9orf156
CCDC180
TDRD7
HEMGN
Position on chr9 (Mb)

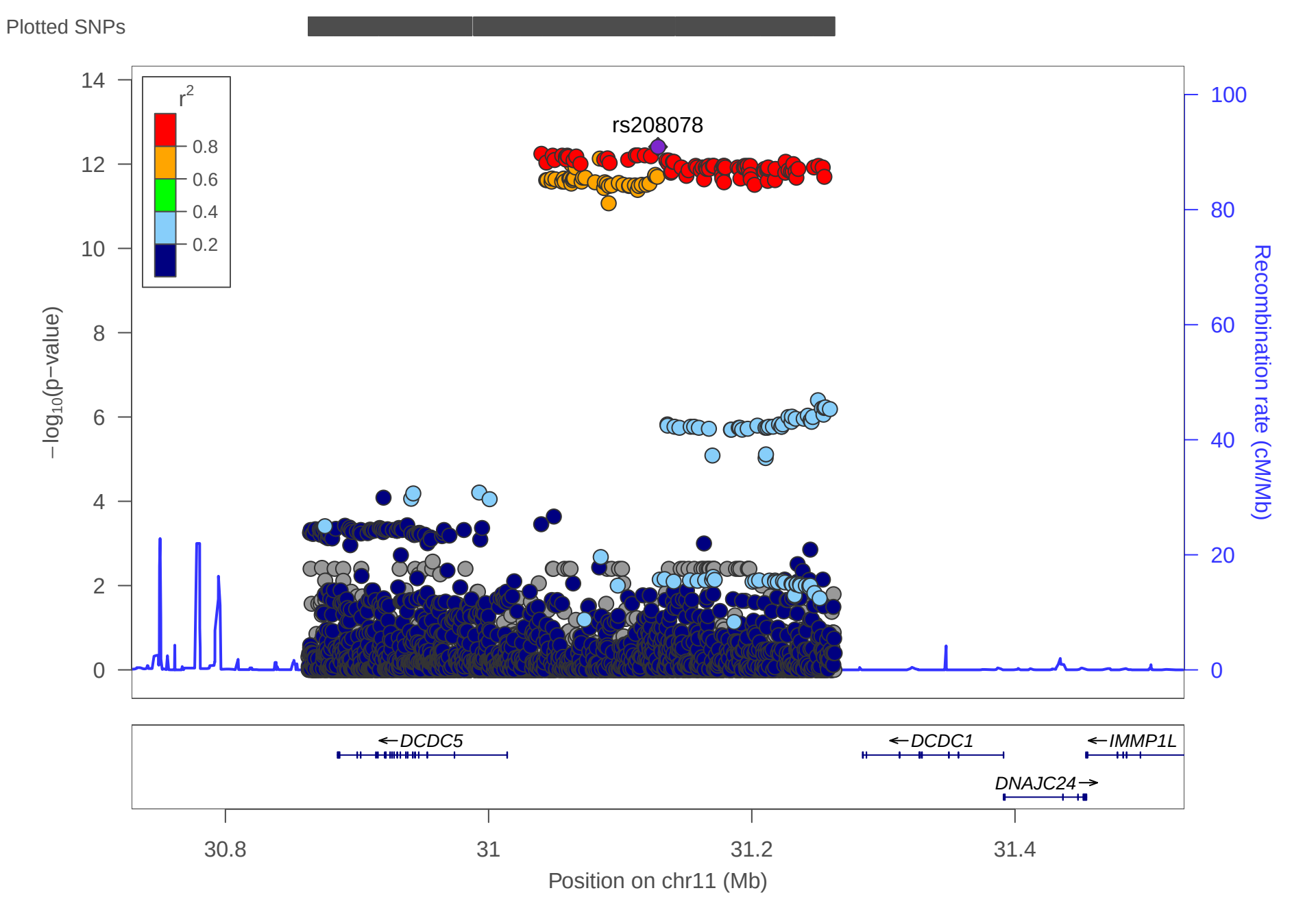
date:	Thu Apr 1 00:11:18 2021
build:	hg19
display range:	chr9:99907789−100707789 [99907789−100707789]
hilite range:	0 − 0 [0 − 0]
reference SNP:	chr9:100307789
number of SNPs plotted:	5090
min P_BOLT_LMM_INF:	5E−12 [chr9:100307789]
max P_BOLT_LMM_INF:	1E0 [chr9:100107890]

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


Plotted SNPs
r2
0.8
0.6
0.4
0.2
rs1126809
15
10
5
0
−log10(p−value)
100
80
60
40
20
0
Recombination rate (cM/Mb)
←GRM5
TYR→
←NOX4
FOLH1B→
88.8
89
89.2
89.4
Position on chr11 (Mb)

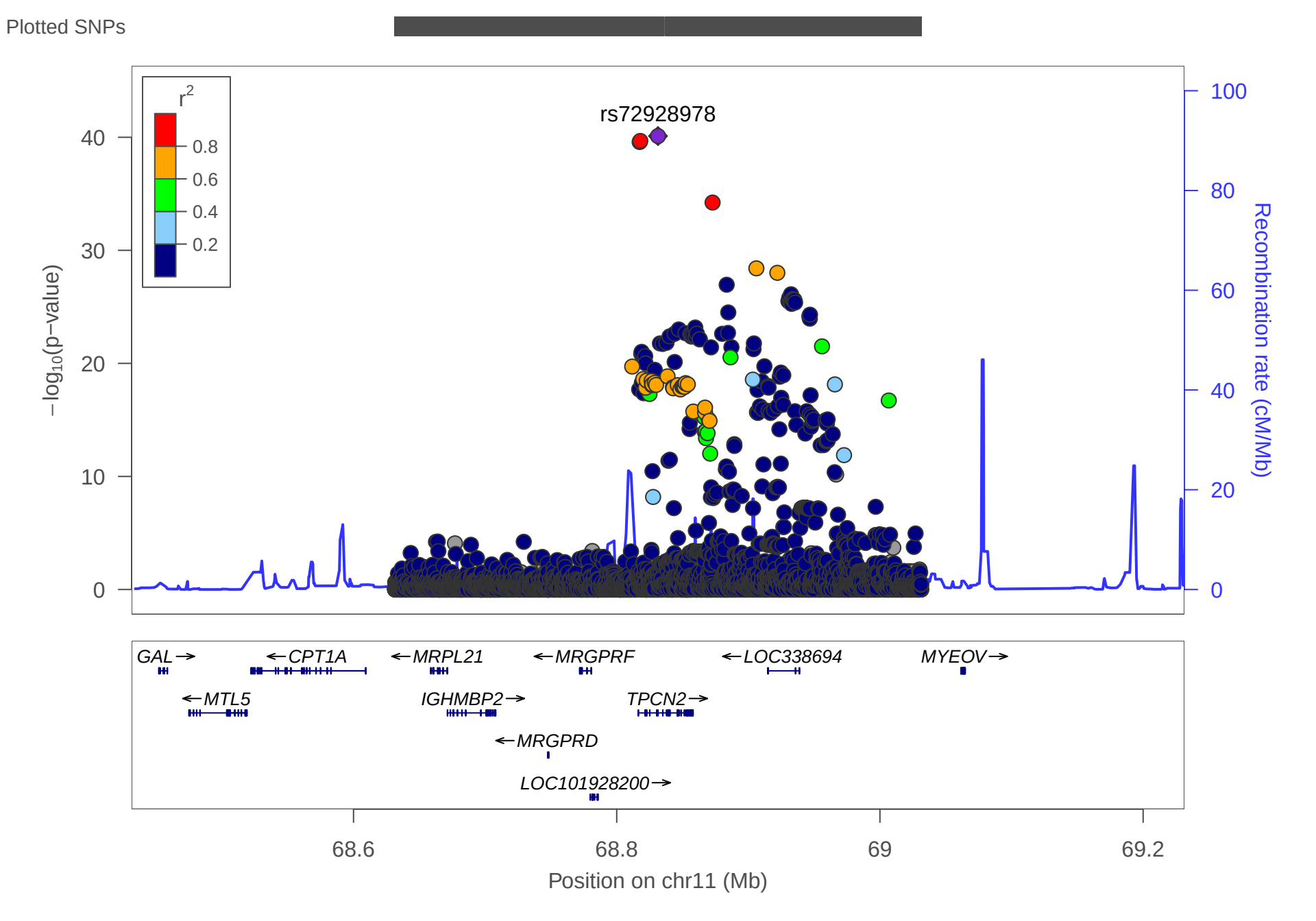
date:	Wed Mar 31 14:25:33 2021
build:	hg19
display range:	chr11:88617961−89417961 [88617961−89417961]
hilite range:	0 − 0 [0 − 0]
reference SNP:	chr11:89017961
number of SNPs plotted:	5753
min P_BOLT_LMM_INF:	2.3E−17 [chr11:89017961]
max P_BOLT_LMM_INF:	1E0 [chr11:88805508]

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


Plotted SNPs
rs208078
r2
0.8
0.6
0.4
0.2
−log10(p−value)
Recombination rate (cM/Mb)
DCDC5
DCDC1
IMMP1L
DNAJC24
Position on chr11 (Mb)

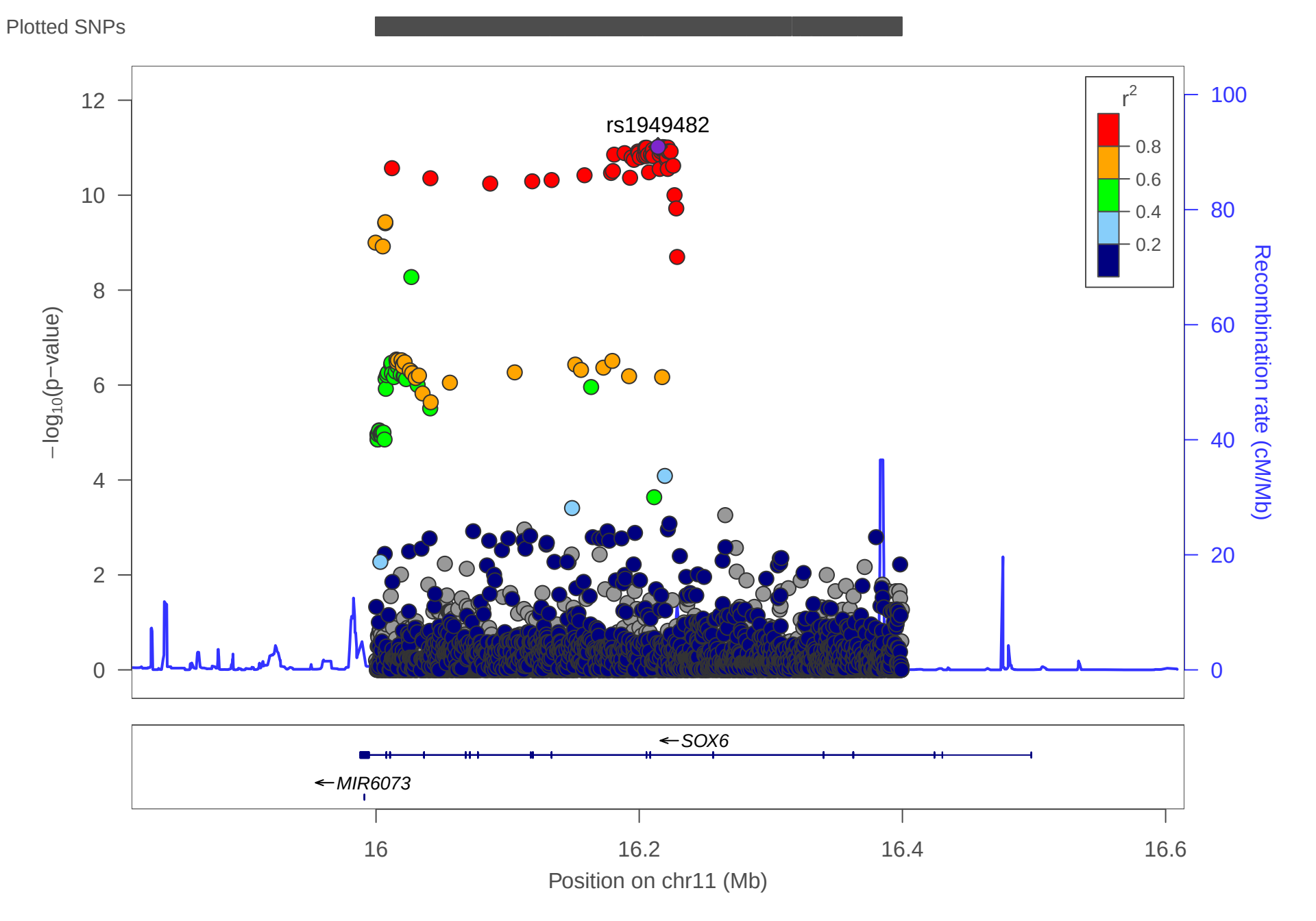
date:	Wed Mar 31 14:27:17 2021
build:	hg19
display range:	chr11:30728721−31528721 [30728721−31528721]
hilite range:	0 − 0 [0 − 0]
reference SNP:	chr11:31128721
number of SNPs plotted:	4378
min P_BOLT_LMM_INF:	3.9E−13 [chr11:31128721]
max P_BOLT_LMM_INF:	1E0 [chr11:30863367]

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


Plotted SNPs
rs72928978
r2
0.8
0.6
0.4
0.2
−log10(p−value)
Recombination rate (cM/Mb)
GAL
CPT1A
MRPL21
MRGPRF
LOC338694
MYEOV
MTL5
IGHMBP2
TPCN2
MRGPRD
LOC101928200
Position on chr11 (Mb)

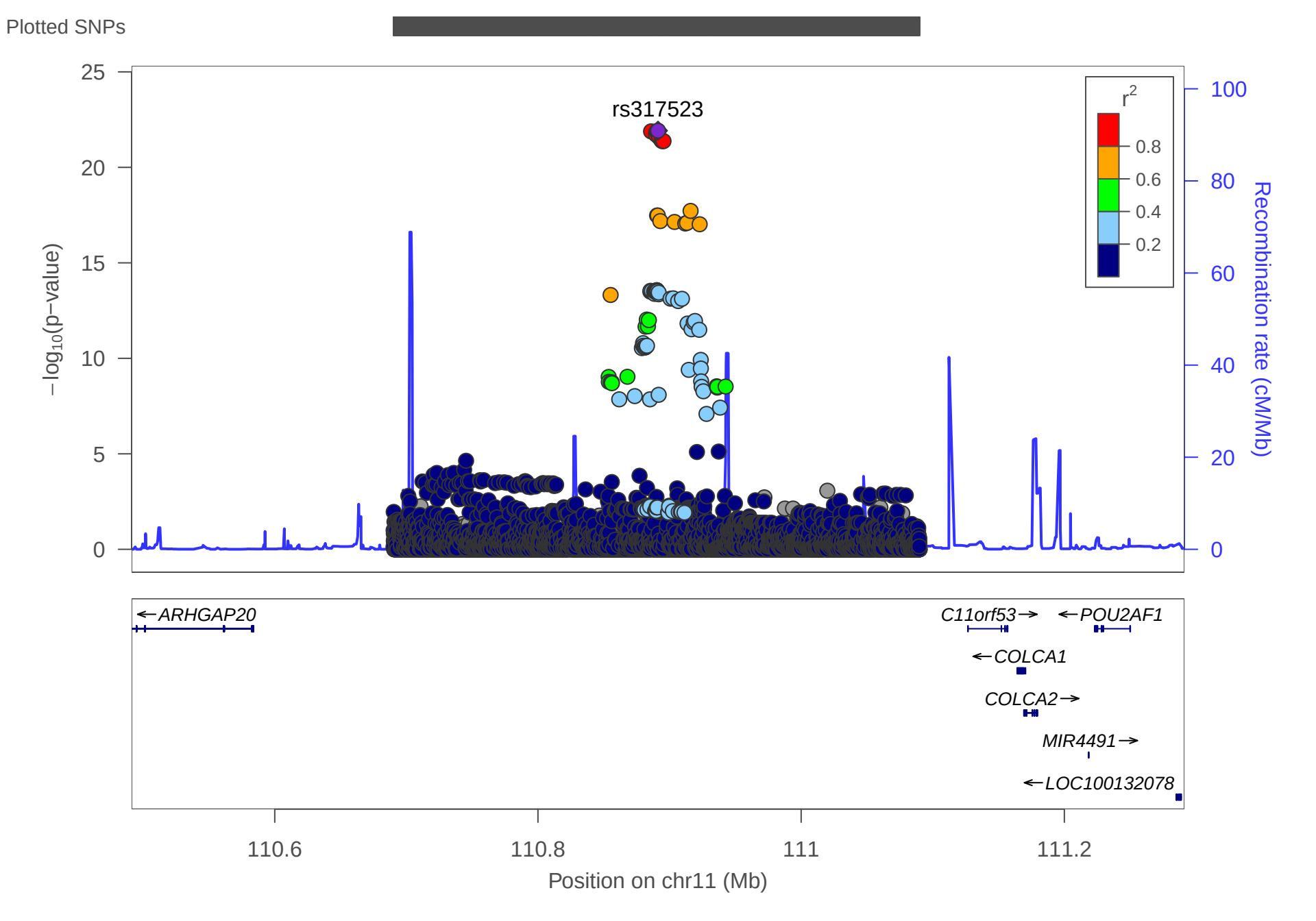
date:	Thu Apr 1 00:11:51 2021
build:	hg19
display range:	chr11:68431364−69231364 [68431364−69231364]
hilite range:	0 − 0 [0 − 0]
reference SNP:	chr11:68831364
number of SNPs plotted:	6350
min P_BOLT_LMM_INF:	7.8E−41 [chr11:68831364]
max P_BOLT_LMM_INF:	1E0 [chr11:68631532]

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


Plotted SNPs
rs1949482
r2
0.8
0.6
0.4
0.2
−log10(p−value)
Recombination rate (cM/Mb)
SOX6
MIR6073
16
16.2
16.4
16.6
Position on chr11 (Mb)

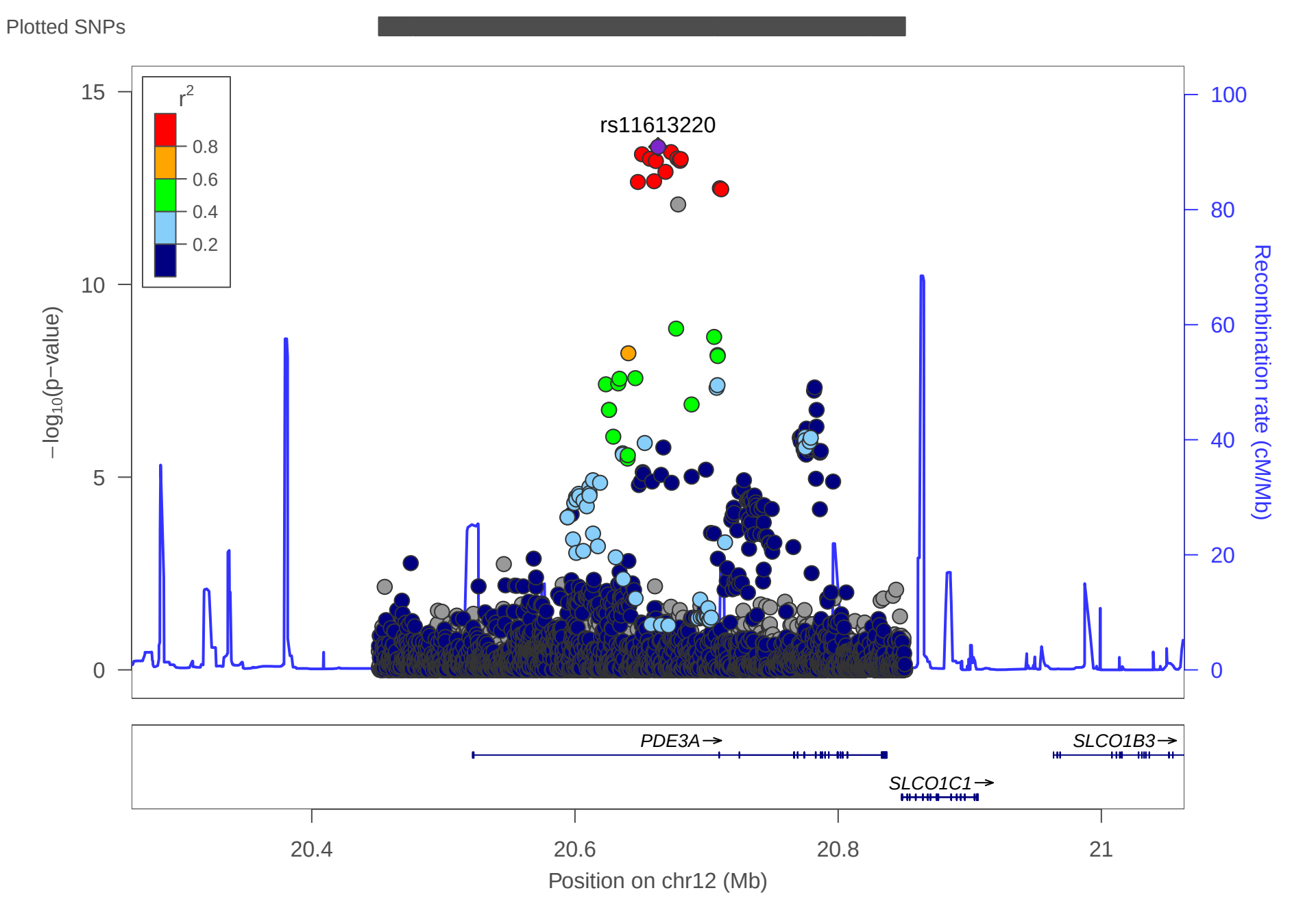
date:	Wed Mar 31 14:19:22 2021
build:	hg19
display range:	chr11:15814262−16614262 [15814262−16614262]
hilite range:	0 − 0 [0 − 0]
reference SNP:	chr11:16214262
number of SNPs plotted:	4076
min P_BOLT_LMM_INF:	9.6E−12 [chr11:16214262]
max P_BOLT_LMM_INF:	1E0 [chr11:16000588]

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


Plotted SNPs
rs317523
r2
0.8
0.6
0.4
0.2
−log10(p−value)
Recombination rate (cM/Mb)
25
20
15
10
5
0
100
80
60
40
20
0
ARHGAP20
C11orf53
POU2AF1
COLCA1
COLCA2
MIR4491
LOC100132078
110.6
110.8
111
111.2
Position on chr11 (Mb)

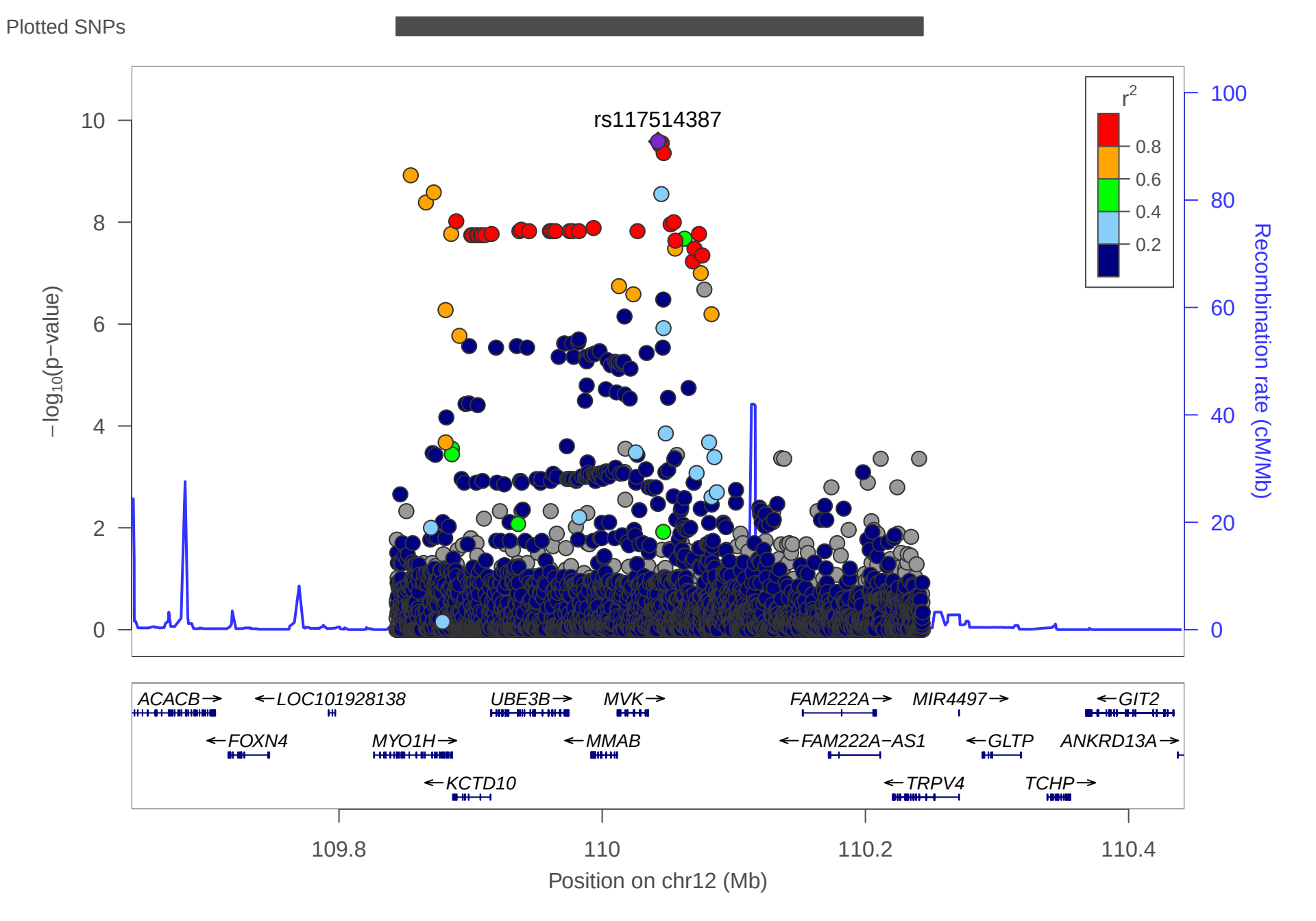
date:	Wed Mar 31 14:28:30 2021
build:	hg19
display range:	chr11:110491223−111291223 [110491223−111291223]
hilite range:	0 − 0 [0 − 0]
reference SNP:	chr11:110891223
number of SNPs plotted:	5393
min P_BOLT_LMM_INF:	1.2E−22 [chr11:110891223]
max P_BOLT_LMM_INF:	1E0 [chr11:110690734]

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


Plotted SNPs
rs11613220
r2
0.8
0.6
0.4
0.2
15
10
5
0
−log10(p−value)
100
80
60
40
20
0
Recombination rate (cM/Mb)
PDE3A
SLCO1B3
SLCO1C1
20.4
20.6
20.8
21
Position on chr12 (Mb)

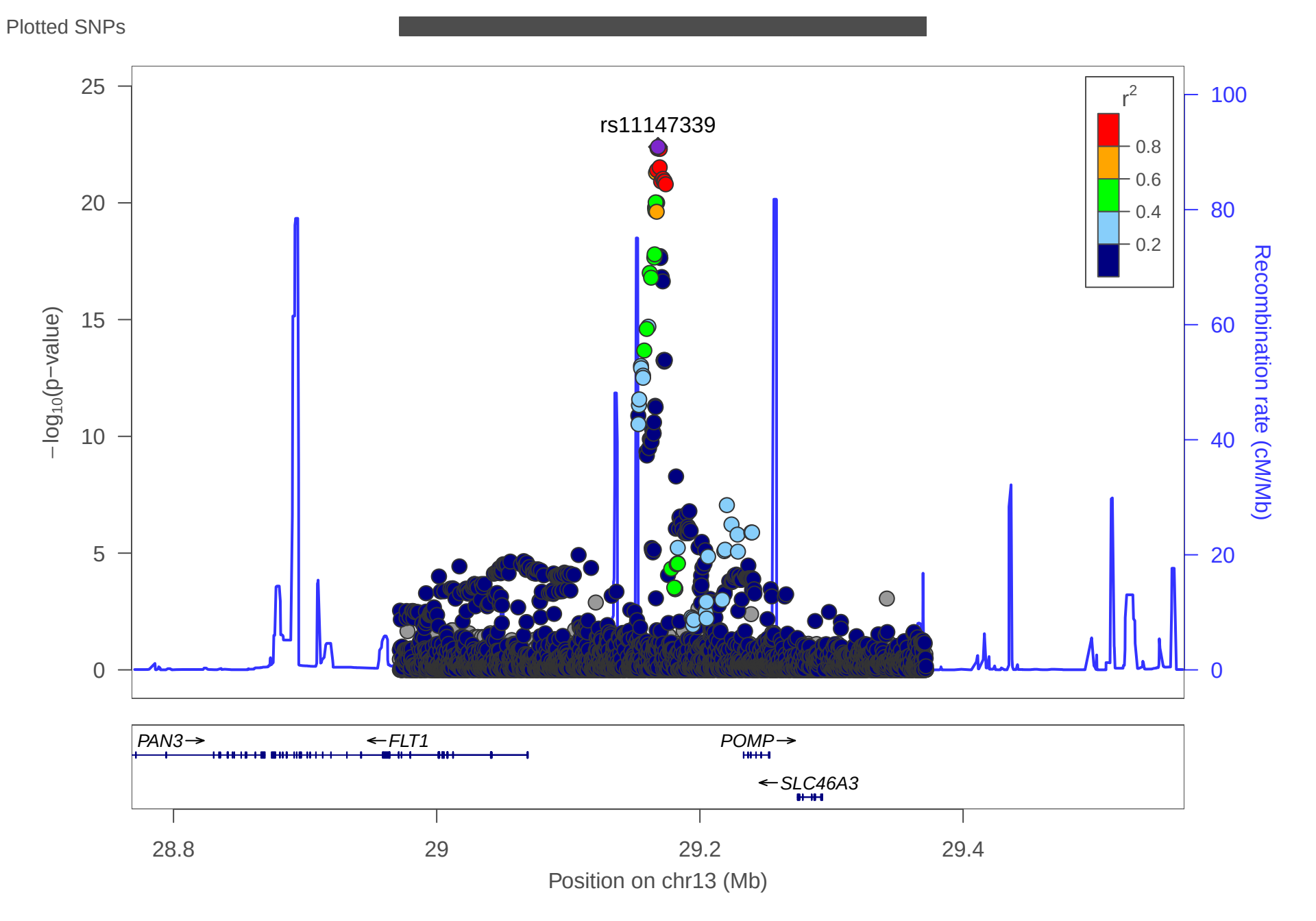
date:	Wed Mar 31 14:31:00 2021
build:	hg19
display range:	chr12:20263103−21063103 [20263103−21063103]
hilite range:	0 − 0 [0 − 0]
reference SNP:	chr12:20663103
number of SNPs plotted:	5469
min P_BOLT_LMM_INF:	2.7E−14 [chr12:20663103]
max P_BOLT_LMM_INF:	1E0 [chr12:20451760]

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


Plotted SNPs
rs117514387
r2
0.8
0.6
0.4
0.2
−log10(p−value)
Recombination rate (cM/Mb)
ACACB
LOC101928138
UBE3B
MVK
FAM222A
MIR4497
GIT2
FOXN4
MYO1H
MMAB
FAM222A−AS1
GLTP
ANKRD13A
KCTD10
TRPV4
TCHP
Position on chr12 (Mb)

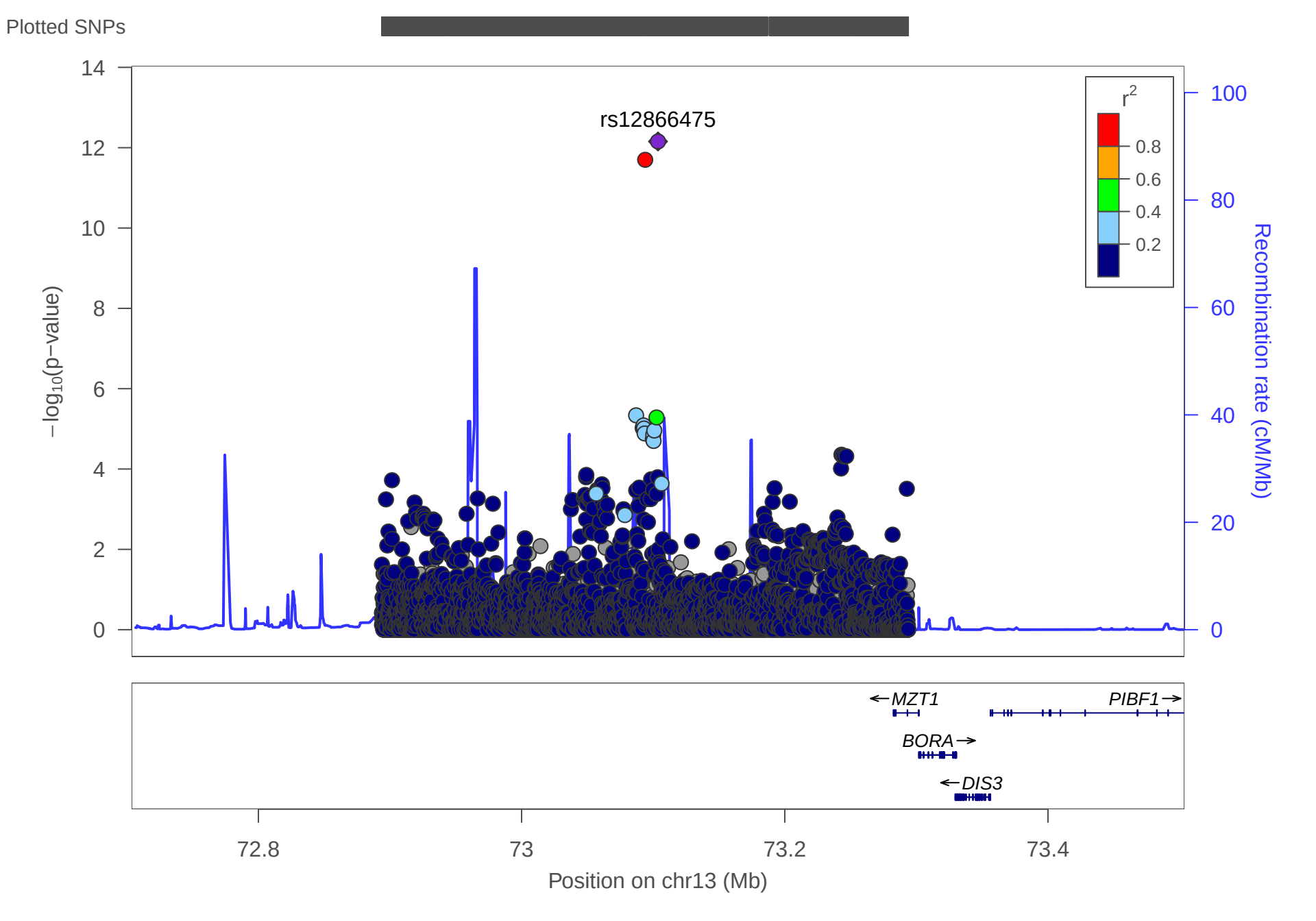
date:	Wed Mar 31 14:22:30 2021
build:	hg19
display range:	chr12:109642391−110442391 [109642391−110442391]
hilite range:	0 − 0 [0 − 0]
reference SNP:	chr12:110042391
number of SNPs plotted:	5582
min P_BOLT_LMM_INF:	2.6E−10 [chr12:110042391]
max P_BOLT_LMM_INF:	1E0 [chr12:109843700]

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


Plotted SNPs
rs11147339
r2
0.8
0.6
0.4
0.2
−log10(p−value)
Recombination rate (cM/Mb)
25
20
15
10
5
0
100
80
60
40
20
0
PAN3
FLT1
POMP
SLC46A3
28.8
29
29.2
29.4
Position on chr13 (Mb)

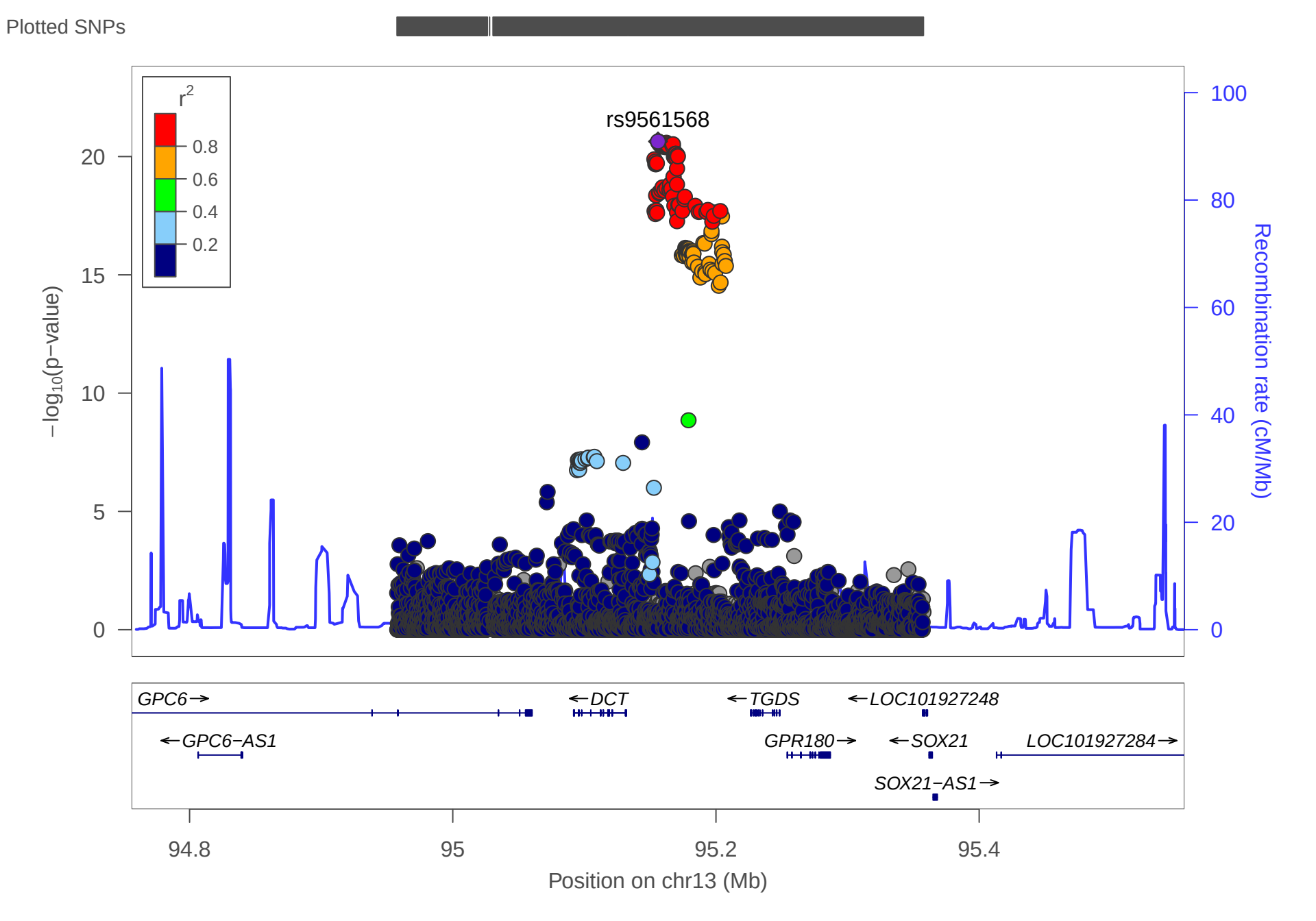
date:	Wed Mar 31 14:23:04 2021
build:	hg19
display range:	chr13:28768148−29568148 [28768148−29568148]
hilite range:	0 − 0 [0 − 0]
reference SNP:	chr13:29168148
number of SNPs plotted:	5818
min P_BOLT_LMM_INF:	4E−23 [chr13:29168148]
max P_BOLT_LMM_INF:	1E0 [chr13:28972055]

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

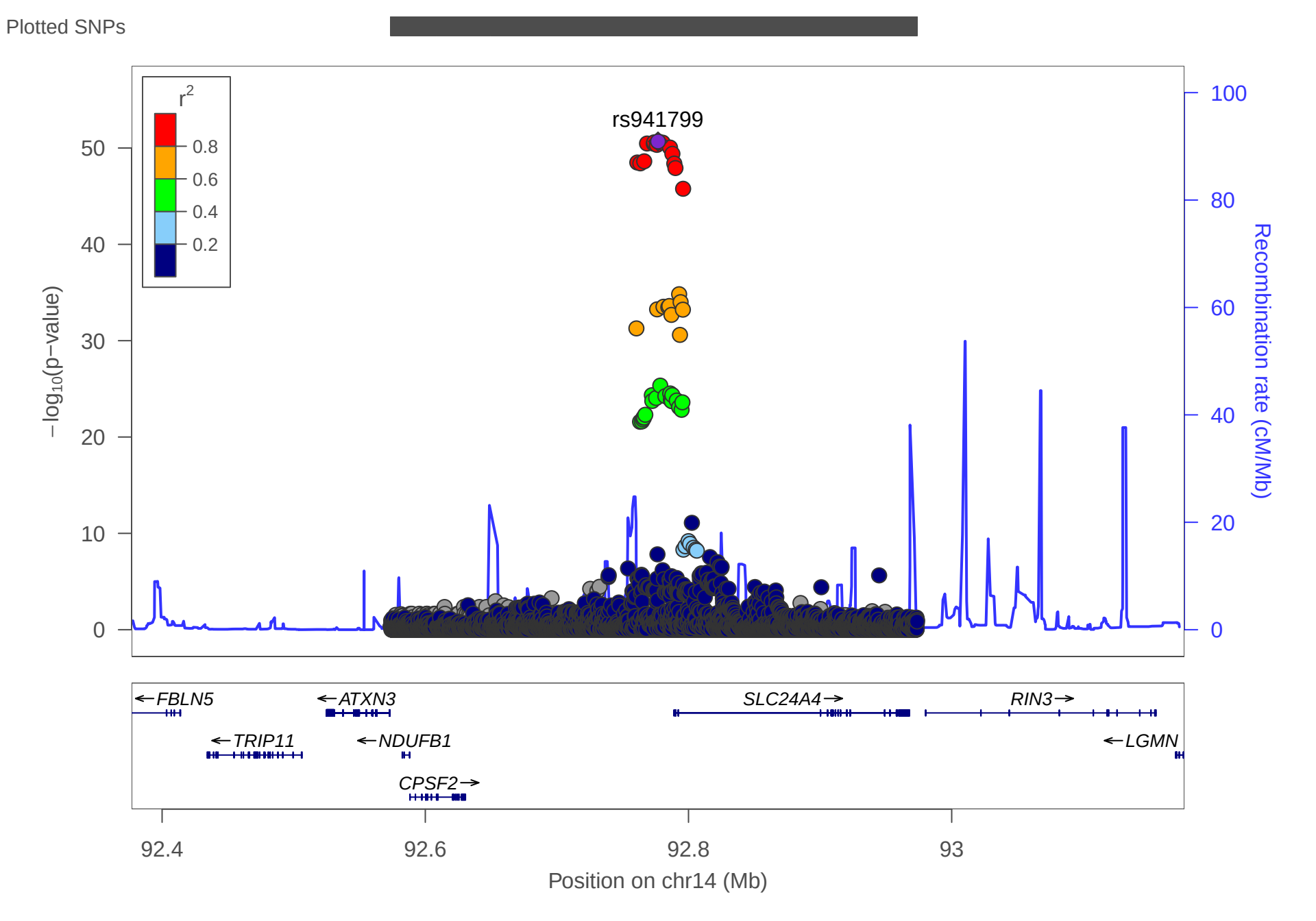

Plotted SNPs
rs12866475
r2
0.8
0.6
0.4
0.2
−log10(p−value)
Recombination rate (cM/Mb)
14
12
10
8
6
4
2
0
100
80
60
40
20
0
MZT1
PIBF1
BORA
DIS3
72.8
73
73.2
73.4
Position on chr13 (Mb)

date:	Wed Mar 31 14:29:48 2021
build:	hg19
display range:	chr13:72703649−73503649 [72703649−73503649]
hilite range:	0 − 0 [0 − 0]
reference SNP:	chr13:73103649
number of SNPs plotted:	5533
min P_BOLT_LMM_INF:	7E−13 [chr13:73103649]
max P_BOLT_LMM_INF:	1E0 [chr13:72895006]

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

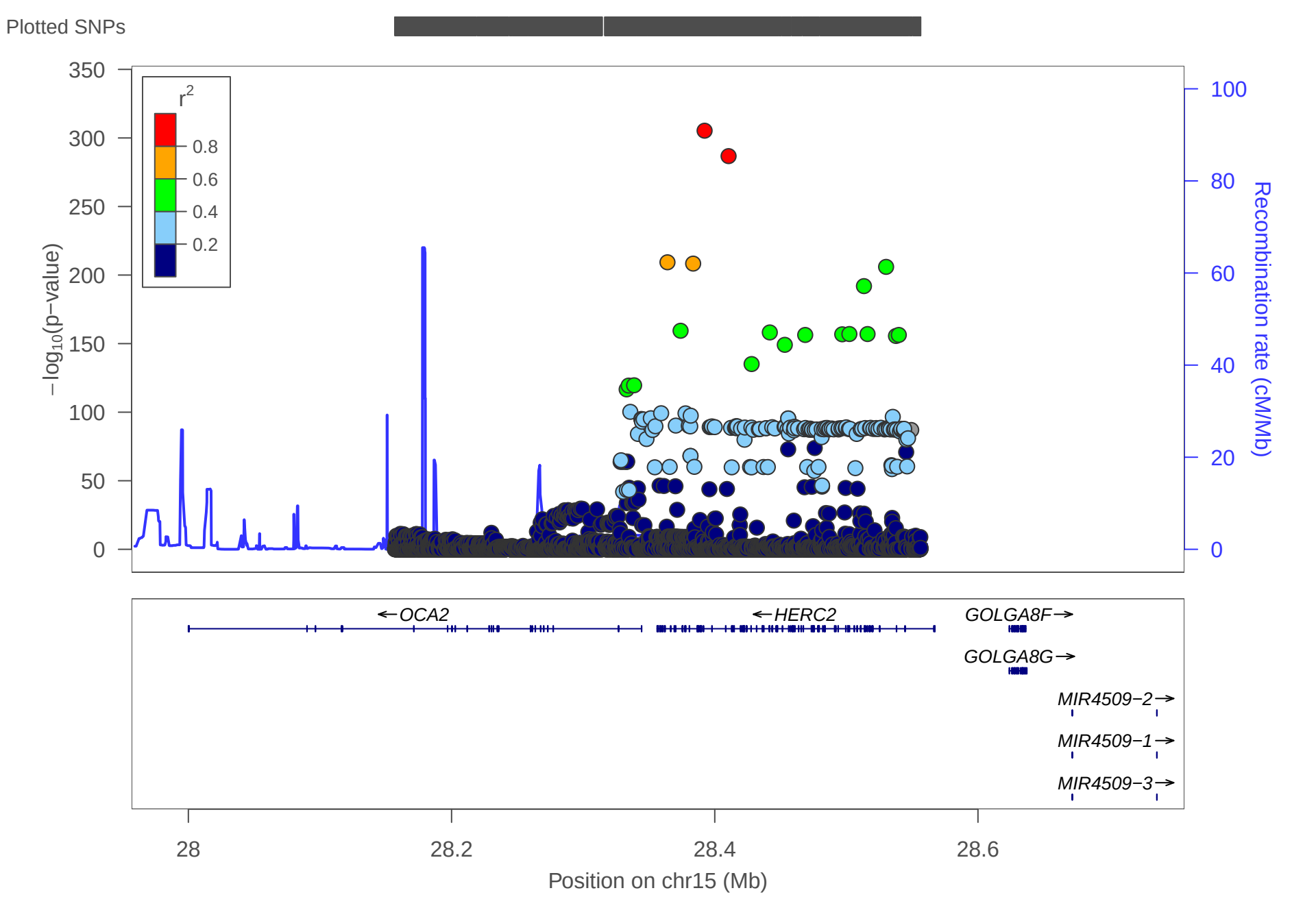

Plotted SNPs
rs9561568
r2
0.8
0.6
0.4
0.2
−log10(p−value)
Recombination rate (cM/Mb)
GPC6→
←DCT
←TGDS
←LOC101927248
←GPC6−AS1
GPR180→
←SOX21
LOC101927284→
SOX21−AS1→
94.8
95
95.2
95.4
Position on chr13 (Mb)

date:	Thu Apr 1 00:13:57 2021
build:	hg19
display range:	chr13:94755940−95555940 [94755940−95555940]
hilite range:	0 − 0 [0 − 0]
reference SNP:	chr13:95155940
number of SNPs plotted:	5505
min P_BOLT_LMM_INF:	2.3E−21 [chr13:95155940]
max P_BOLT_LMM_INF:	1E0 [chr13:94957805]

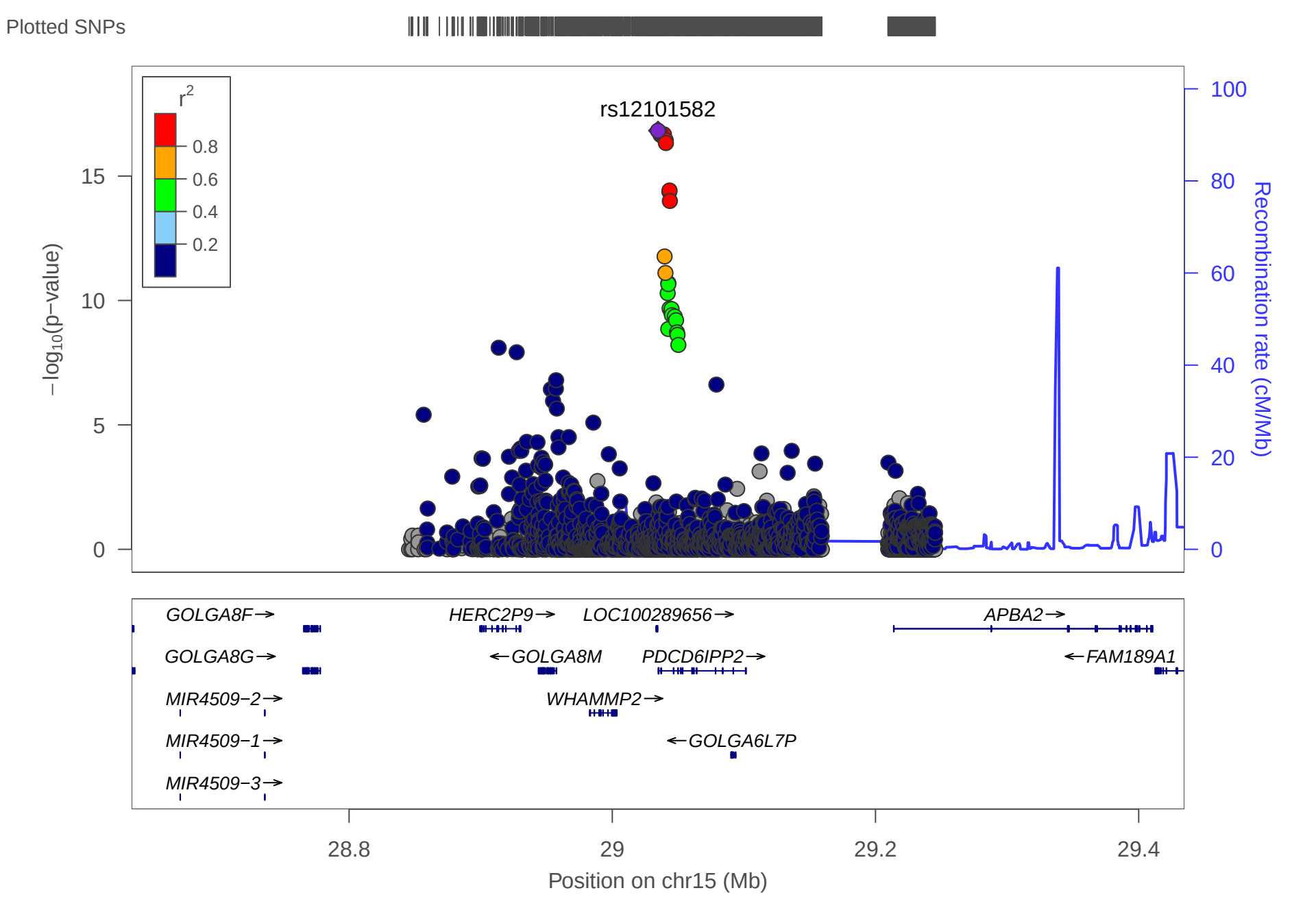

Plotted SNPs
r2
0.8
0.6
0.4
0.2
rs941799
−log10(p−value)
Recombination rate (cM/Mb)
FBLN5
ATXN3
SLC24A4
RIN3
TRIP11
NDUFB1
LGMN
CPSF2
92.4
92.6
92.8
93
Position on chr14 (Mb)

date:	Wed Mar 31 14:23:29 2021
build:	hg19
display range:	chr14:92376825−93176825 [92376825−93176825]
hilite range:	0 − 0 [0 − 0]
reference SNP:	chr14:92776825
number of SNPs plotted:	6217
min P_BOLT_LMM_INF:	2.1E−51 [chr14:92776825]
max P_BOLT_LMM_INF:	1E0 [chr14:92574258]

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

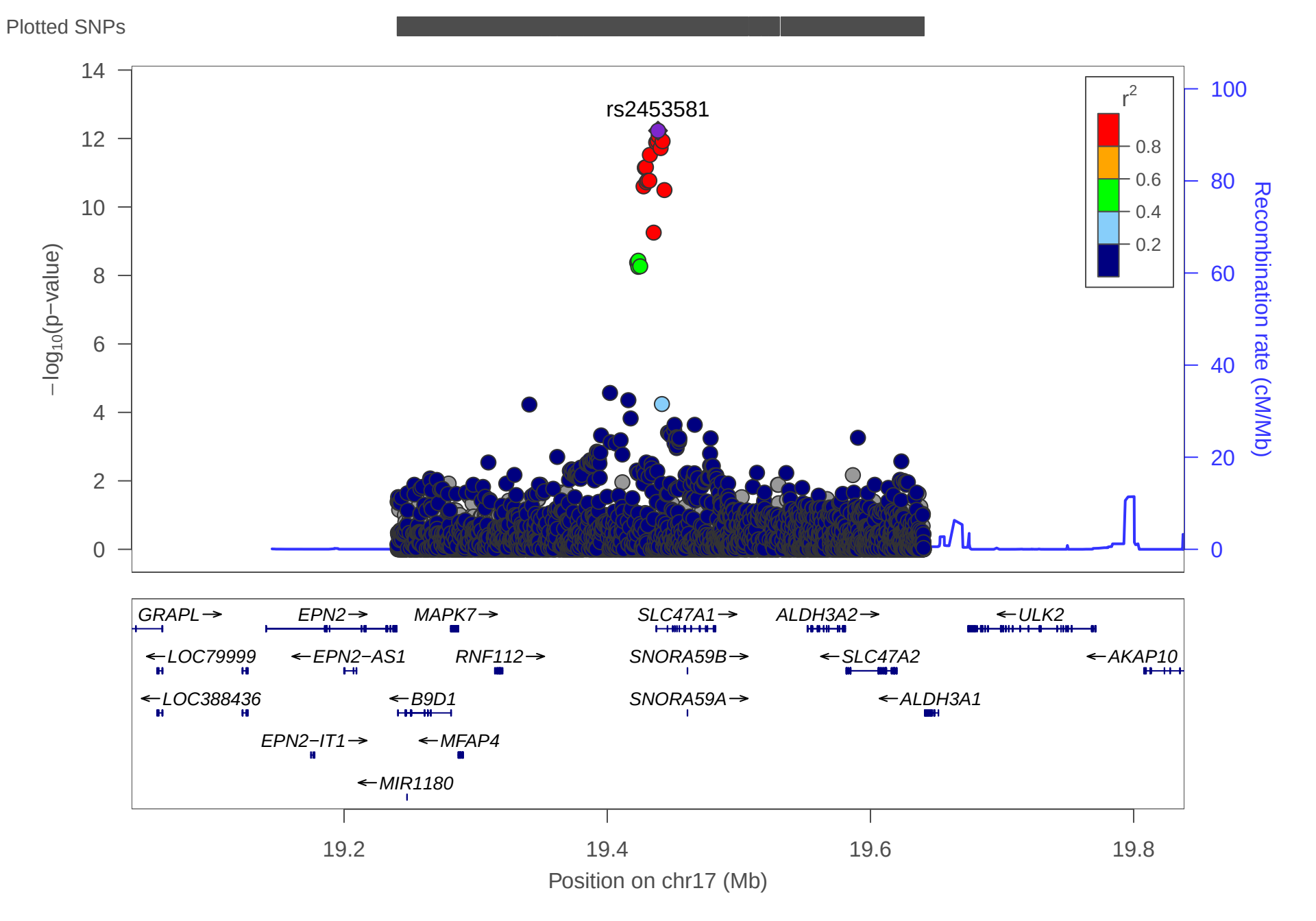

Plotted SNPs
r2
0.8
0.6
0.4
0.2
−log10(p−value)
Recombination rate (cM/Mb)
OCA2
HERC2
GOLGA8F
GOLGA8G
MIR4509−2
MIR4509−1
MIR4509−3
Position on chr15 (Mb)

date:	Wed Mar 31 14:19:46 2021
build:	hg19
display range:	chr15:27956859−28756859 [27956859−28756859]
hilite range:	0 − 0 [0 − 0]
reference SNP:	chr15:28356859
number of SNPs plotted:	5340
min P_BOLT_LMM_INF:	5E−306 [chr15:28392261]
max P_BOLT_LMM_INF:	1E0 [chr15:28156922]


Plotted SNPs
r2
0.8
0.6
0.4
0.2
rs12101582
15
10
5
0
−log10(p−value)
100
80
60
40
20
0
Recombination rate (cM/Mb)
GOLGA8F→
GOLGA8G→
MIR4509−2→
MIR4509−1→
MIR4509−3→
HERC2P9→
←GOLGA8M
LOC100289656→
PDCD6IPP2→
WHAMMP2→
←GOLGA6L7P
APBA2→
←FAM189A1
28.8
29
29.2
29.4
Position on chr15 (Mb)

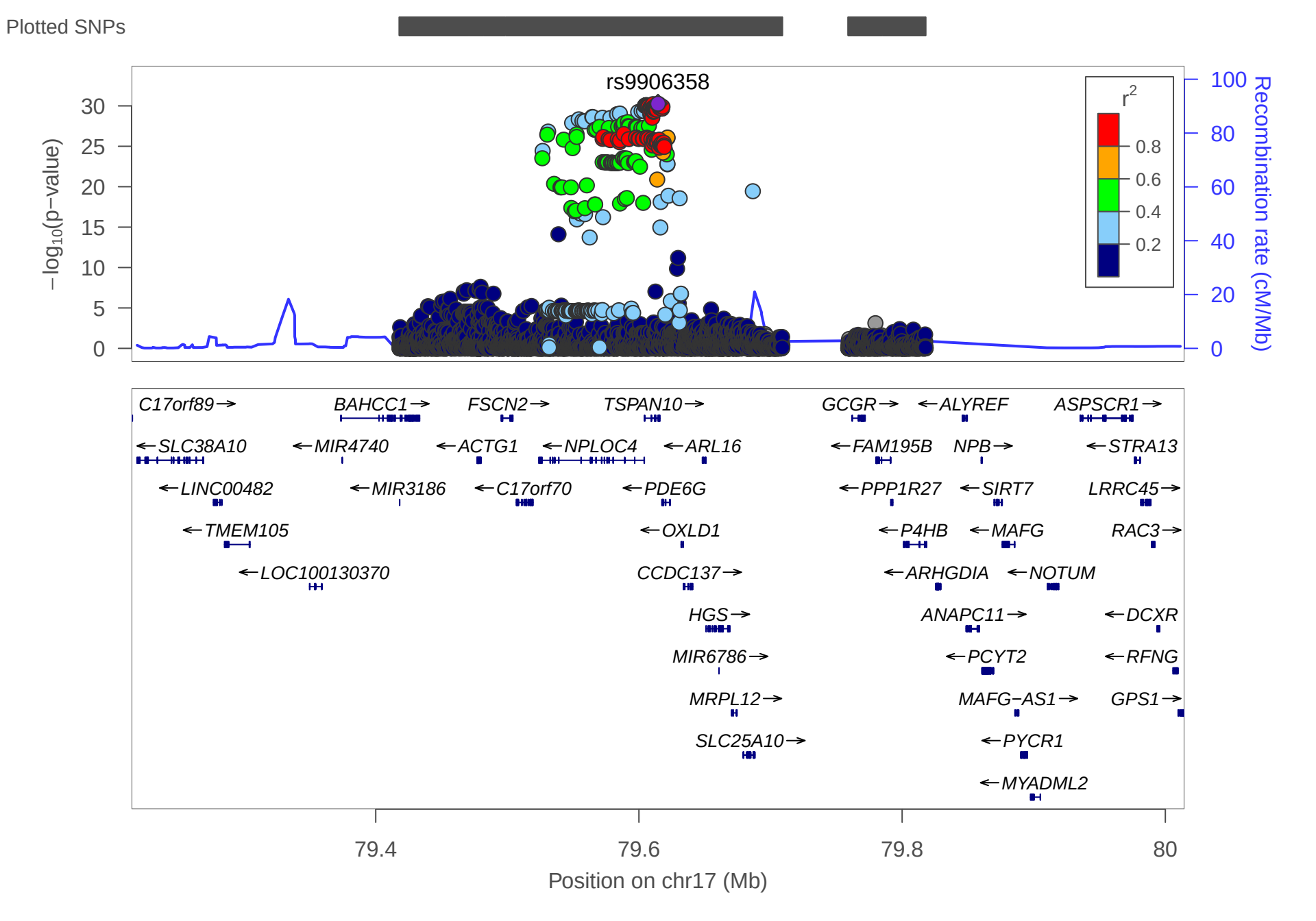
date:	Wed Mar 31 14:20:55 2021
build:	hg19
display range:	chr15:28634720−29434720 [28634720−29434720]
hilite range:	0 − 0 [0 − 0]
reference SNP:	chr15:29034720
number of SNPs plotted:	3026
min P_BOLT_LMM_INF:	1.5E−17 [chr15:29034720]
max P_BOLT_LMM_INF:	1E0 [chr15:28845554]

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


Plotted SNPs
rs2453581
r2
0.8
0.6
0.4
0.2
−log10(p−value)
Recombination rate (cM/Mb)
GRAPL
EPN2
MAPK7
SLC47A1
ALDH3A2
ULK2
LOC79999
EPN2−AS1
RNF112
SNORA59B
SLC47A2
AKAP10
LOC388436
B9D1
SNORA59A
ALDH3A1
EPN2−IT1
MFAP4
MIR1180
Position on chr17 (Mb)

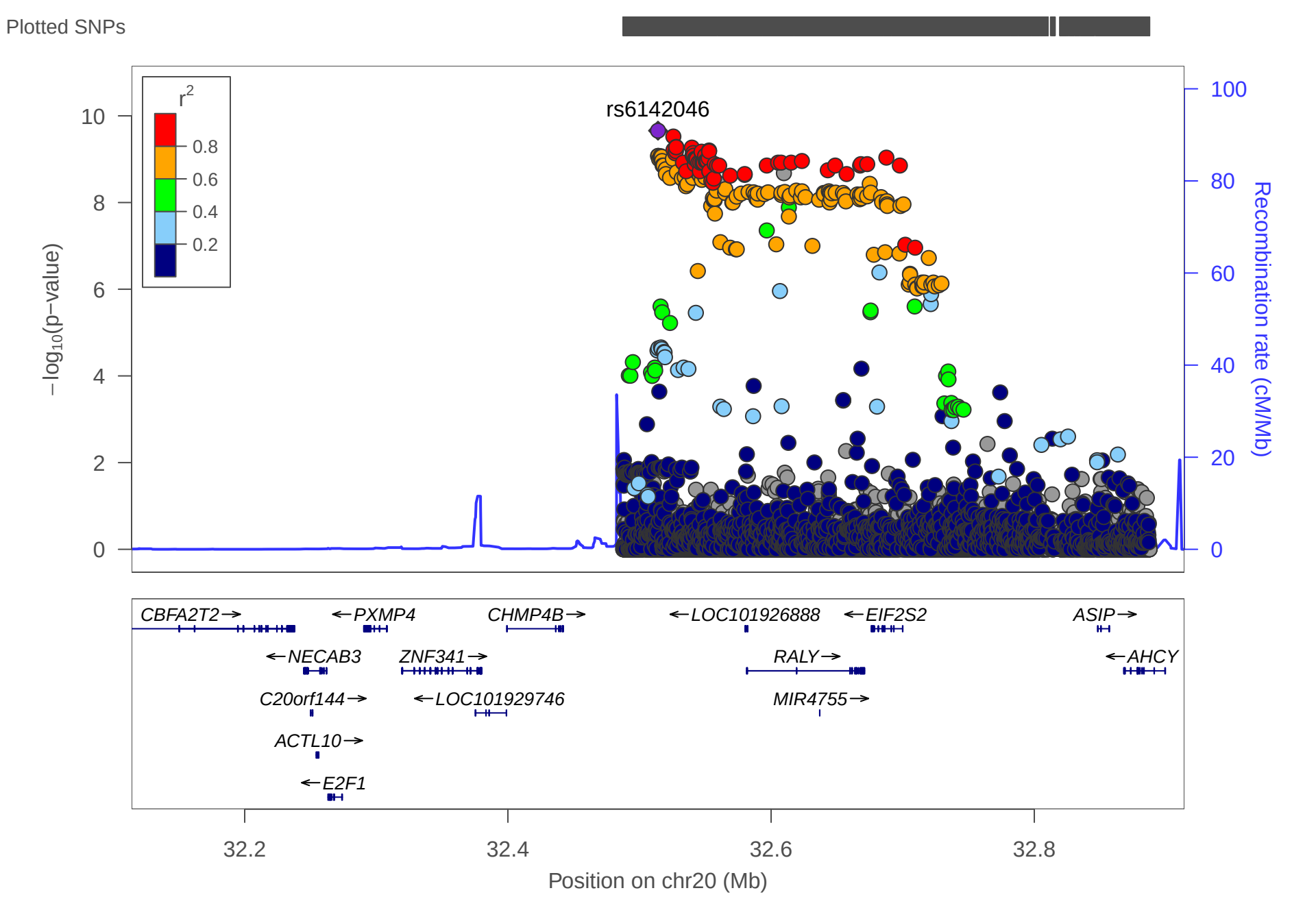
date:	Wed Mar 31 14:32:20 2021
build:	hg19
display range:	chr17:19038560−19838560 [19038560−19838560]
hilite range:	0 − 0 [0 − 0]
reference SNP:	chr17:19438560
number of SNPs plotted:	4875
min P_BOLT_LMM_INF:	5.9E−13 [chr17:19438560]
max P_BOLT_LMM_INF:	1E0 [chr17:19240879]

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


Plotted SNPs
rs9906358
$-\log_{10}$(p−value)
30
25
20
15
10
5
0
r^2
0.8
0.6
0.4
0.2
100
80
60
40
20
0
Recombination rate (cM/Mb)
C17orf89→
BAHCC1→
FSCN2→
TSPAN10→
GCGR→
←ALYREF
ASPSCR1→
←SLC38A10
←MIR4740
←ACTG1
←NPLOC4
←ARL16
←FAM195B
NPB→
←STRA13
←LINC00482
←MIR3186
←C17orf70
←PDE6G
←PPP1R27
←SIRT7
LRRC45→
←TMEM105
←OXLD1
←P4HB
←MAFG
RAC3→
←LOC100130370
CCDC137→
←ARHGDIA
←NOTUM
HGS→
ANAPC11→
←DCXR
MIR6786→
←PCYT2
←RFNG
MRPL12→
MAFG−AS1→
GPS1→
SLC25A10→
←PYCR1
←MYADML2
79.4
79.6
79.8
80
Position on chr17 (Mb)

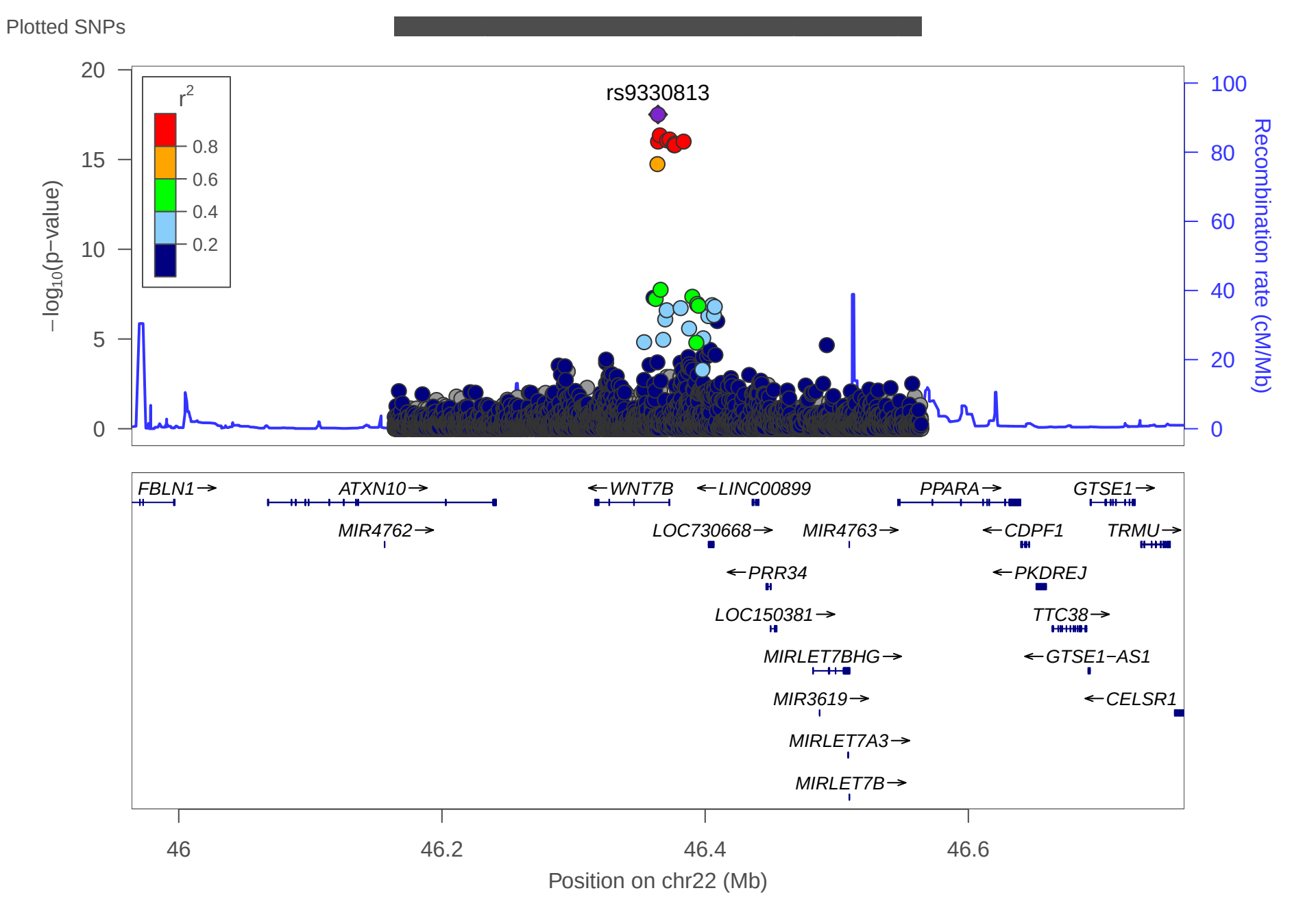
date:	Wed Mar 31 14:31:44 2021
build:	hg19
display range:	chr17:79214481−80014481 [79214481−80014481]
hilite range:	0 − 0 [0 − 0]
reference SNP:	chr17:79614481
number of SNPs plotted:	5694
min P_BOLT_LMM_INF:	5.4E−31 [chr17:79614481]
max P_BOLT_LMM_INF:	1E0 [chr17:79418149]

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


Plotted SNPs
rs6142046
r2
0.8
0.6
0.4
0.2
−log10(p−value)
Recombination rate (cM/Mb)
CBFA2T2
PXMP4
CHMP4B
LOC101926888
EIF2S2
ASIP
NECAB3
ZNF341
RALY
AHCY
C20orf144
LOC101929746
MIR4755
ACTL10
E2F1
32.2
32.4
32.6
32.8
Position on chr20 (Mb)

date:	Wed Mar 31 14:21:20 2021
build:	hg19
display range:	chr20:32114061−32914061 [32114061−32914061]
hilite range:	0 − 0 [0 − 0]
reference SNP:	chr20:32514061
number of SNPs plotted:	4417
min P_BOLT_LMM_INF:	2.2E−10 [chr20:32514061]
max P_BOLT_LMM_INF:	1E0 [chr20:32487635]

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


Plotted SNPs
rs9330813
r2
0.8
0.6
0.4
0.2
−log10(p−value)
Recombination rate (cM/Mb)
FBLN1
ATXN10
WNT7B
LINC00899
PPARA
GTSE1
MIR4762
LOC730668
MIR4763
CDPF1
TRMU
PRR34
PKDREJ
LOC150381
TTC38
MIRLET7BHG
GTSE1−AS1
MIR3619
CELSR1
MIRLET7A3
MIRLET7B
Position on chr22 (Mb)

date:	Thu Apr 1 00:12:59 2021
build:	hg19
display range:	chr22:45964161−46764161 [45964161−46764161]
hilite range:	0 − 0 [0 − 0]
reference SNP:	chr22:46364161
number of SNPs plotted:	6274
min P_BOLT_LMM_INF:	3.1E−18 [chr22:46364161]
max P_BOLT_LMM_INF:	1E0 [chr22:46164164]

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