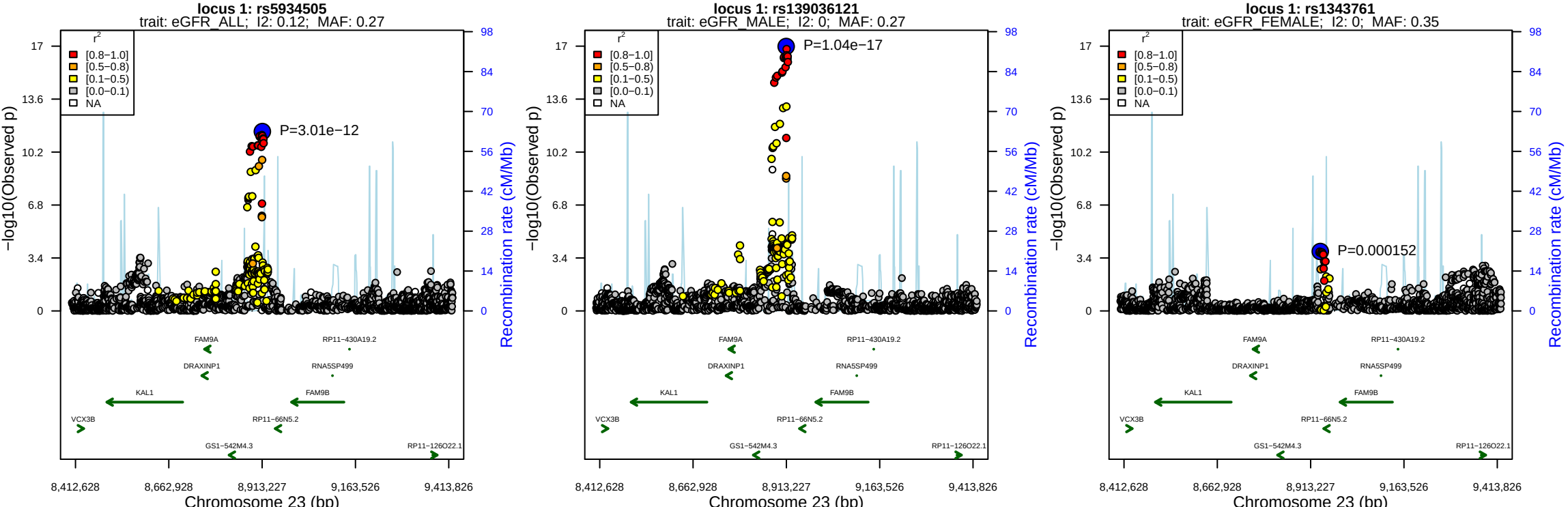
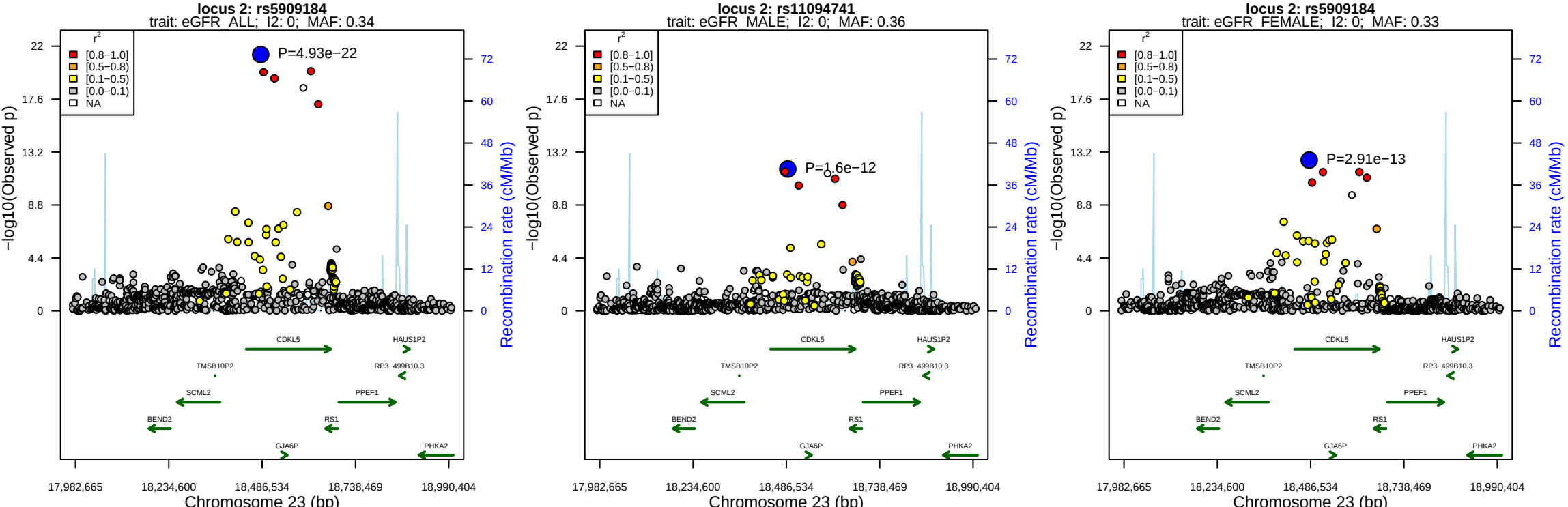
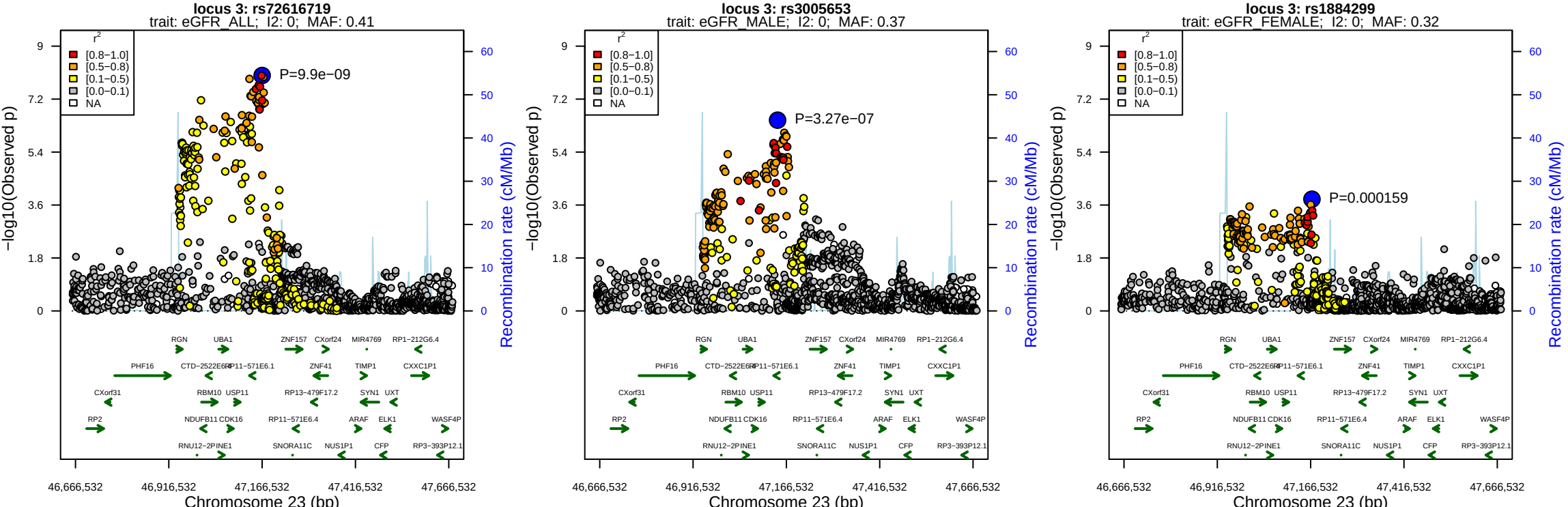
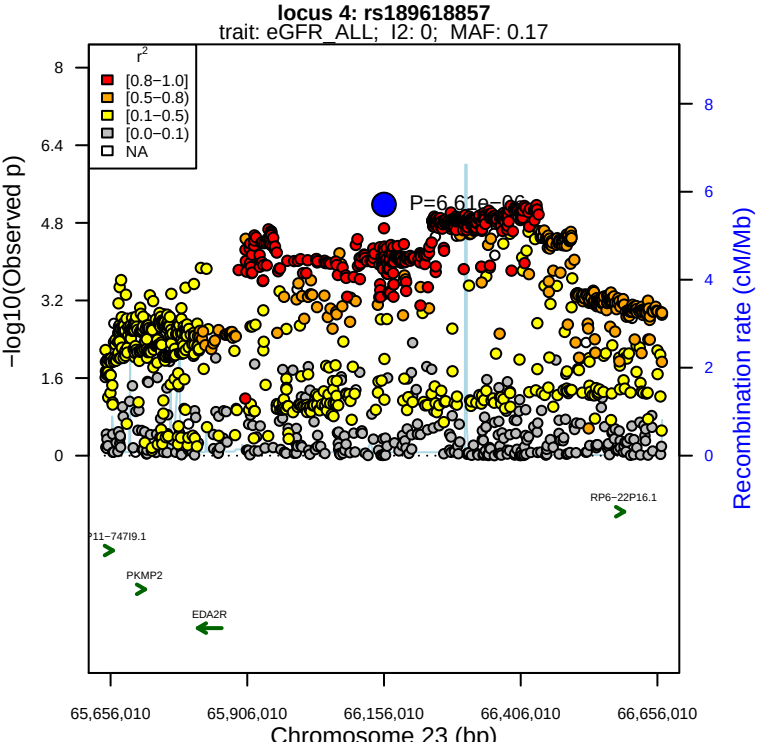
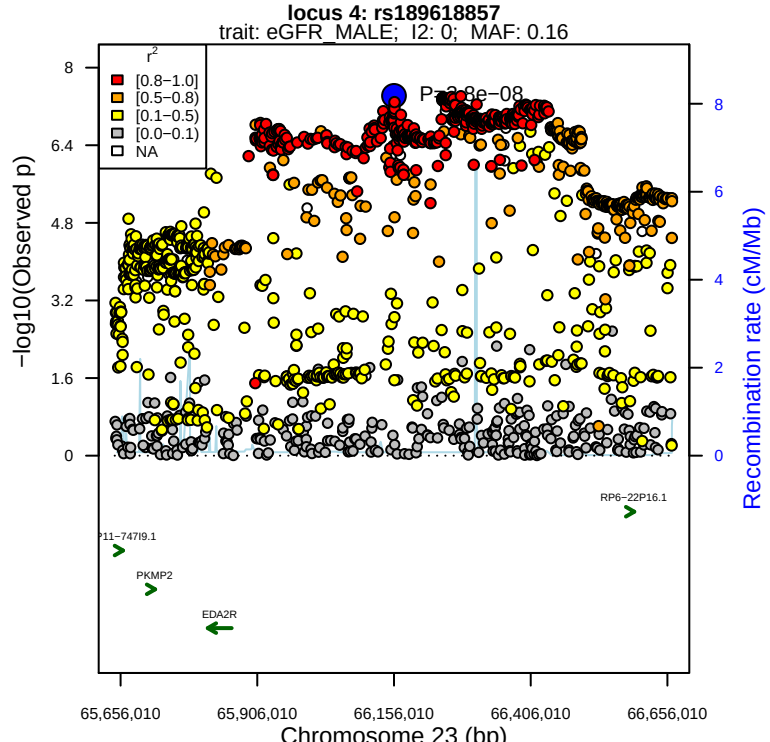
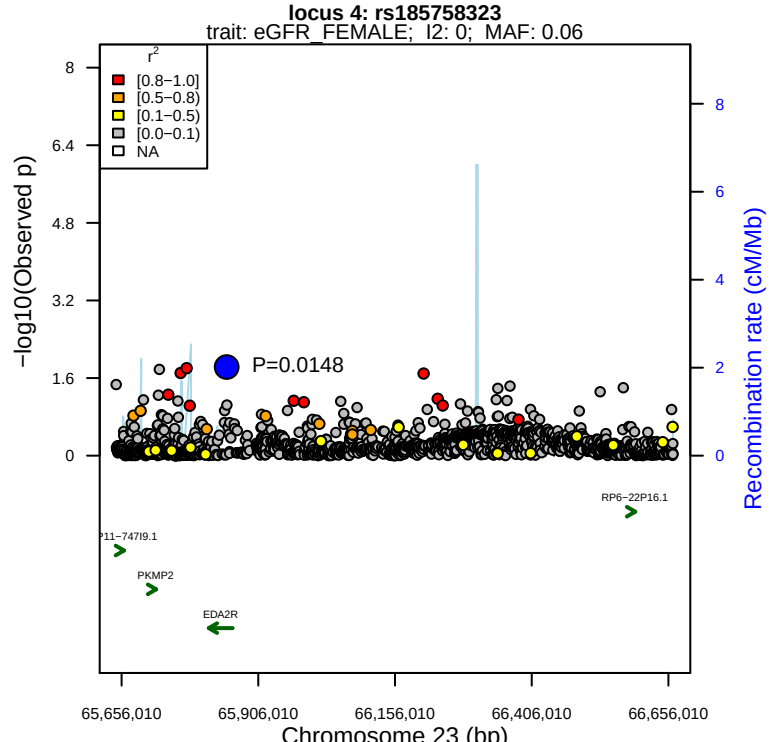

locus 1: rs5934505
trait: eGFR_ALL; I2: 0.12; MAF: 0.27
P=3.01e−12
locus 1: rs139036121
trait: eGFR_MALE; I2: 0; MAF: 0.27
P=1.04e−17
locus 1: rs1343761
trait: eGFR_FEMALE; I2: 0; MAF: 0.35
P=0.000152
r2
[0.8−1.0]
[0.5−0.8)
[0.1−0.5)
[0.0−0.1)
NA
−log10(Observed p)
Recombination rate (cM/Mb)
FAM9A
RP11−430A19.2
DRAXINP1
RNA5SP499
KAL1
FAM9B
VCX3B
RP11−66N5.2
GS1−542M4.3
RP11−126O22.1
8,412,628
8,662,928
8,913,227
9,163,526
9,413,826
Chromosome 23 (bp)

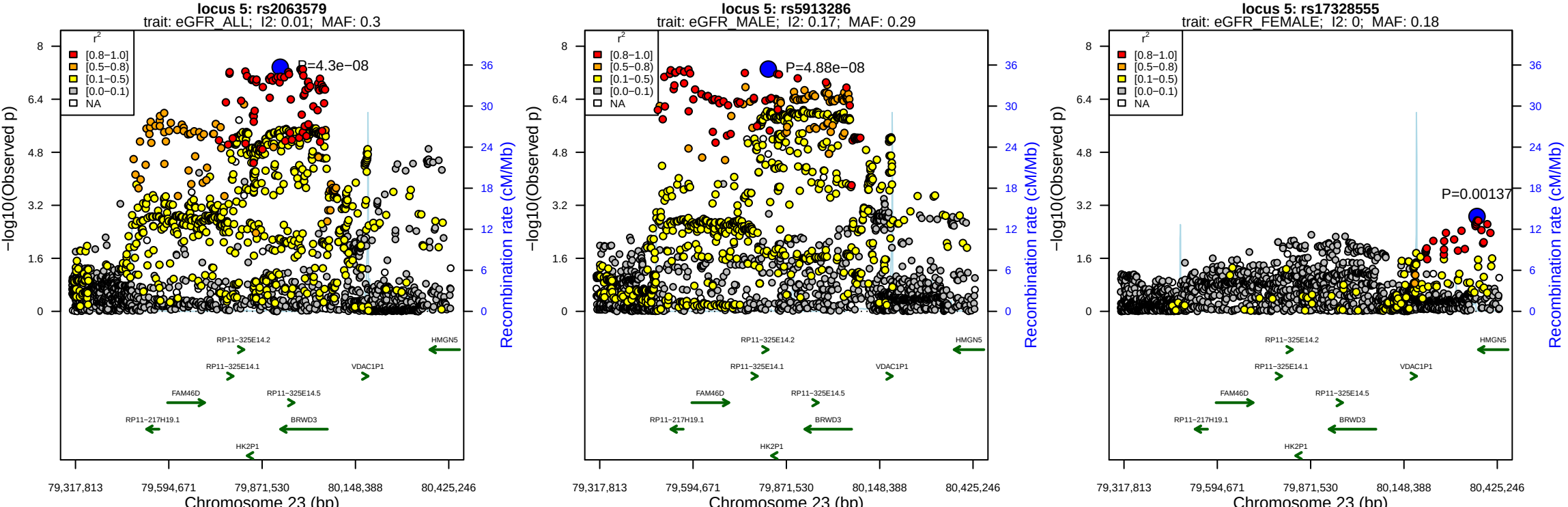

locus 2: rs5909184
trait: eGFR_ALL; I2: 0; MAF: 0.34
P=4.93e−22
locus 2: rs11094741
trait: eGFR_MALE; I2: 0; MAF: 0.36
P=1.6e−12
locus 2: rs5909184
trait: eGFR_FEMALE; I2: 0; MAF: 0.33
P=2.91e−13
r2
[0.8−1.0]
[0.5−0.8)
[0.1−0.5)
[0.0−0.1)
NA
−log10(Observed p)
Recombination rate (cM/Mb)
CDKL5
HAUS1P2
TMSB10P2
RP3−499B10.3
SCML2
PPEF1
BEND2
RS1
GJA6P
PHKA2
17,982,665
18,234,600
18,486,534
18,738,469
18,990,404
Chromosome 23 (bp)

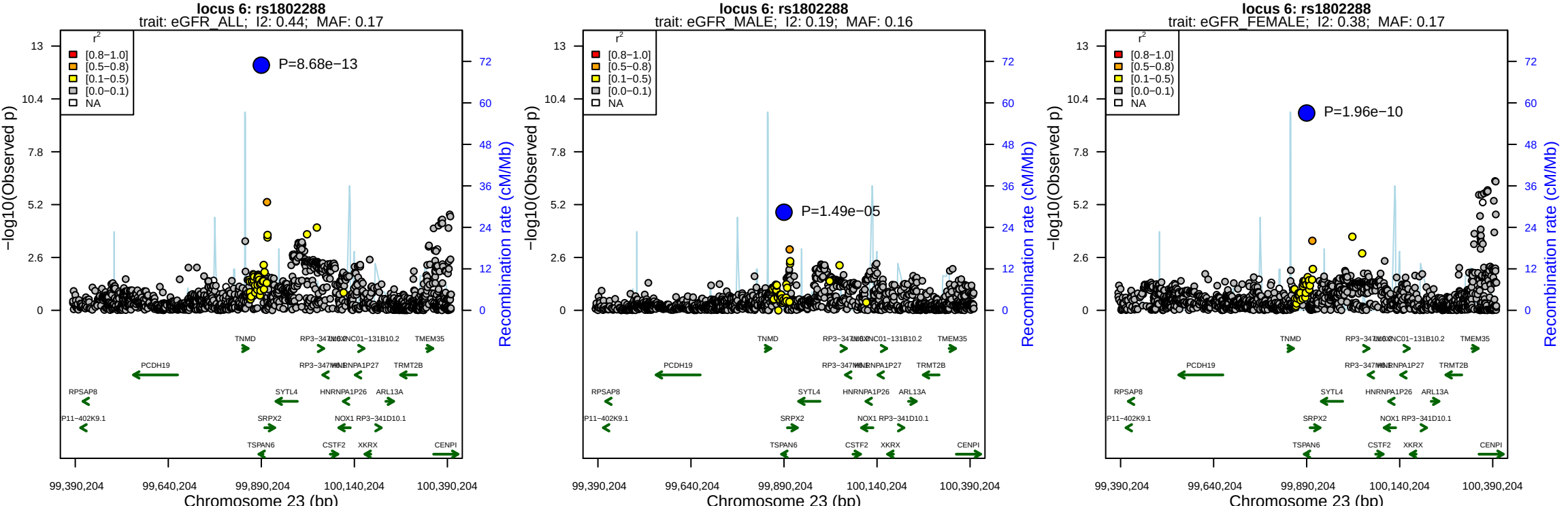

locus 3: rs72616719
trait: eGFR_ALL; I2: 0; MAF: 0.41
P=9.9e−09
locus 3: rs3005653
trait: eGFR_MALE; I2: 0; MAF: 0.37
P=3.27e−07
locus 3: rs1884299
trait: eGFR_FEMALE; I2: 0; MAF: 0.32
P=0.000159
r2
[0.8−1.0]
[0.5−0.8)
[0.1−0.5)
[0.0−0.1)
NA
−log10(Observed p)
Recombination rate (cM/Mb)
Chromosome 23 (bp)
46,666,532
46,916,532
47,166,532
47,416,532
47,666,532
RGN
UBA1
ZNF157
CXorf24
MIR4769
RP1−212G6.4
PHF16
CTD−2522E6.6
RP11−571E6.1
ZNF41
TIMP1
CXXC1P1
CXorf31
RBM10
USP11
RP13−479F17.2
SYN1
UXT
RP2
NDUFB11
CDK16
RP11−571E6.4
ARAF
ELK1
WASF4P
RNU12−2P
INE1
SNORA11C
NUS1P1
CFP
RP3−393P12.1

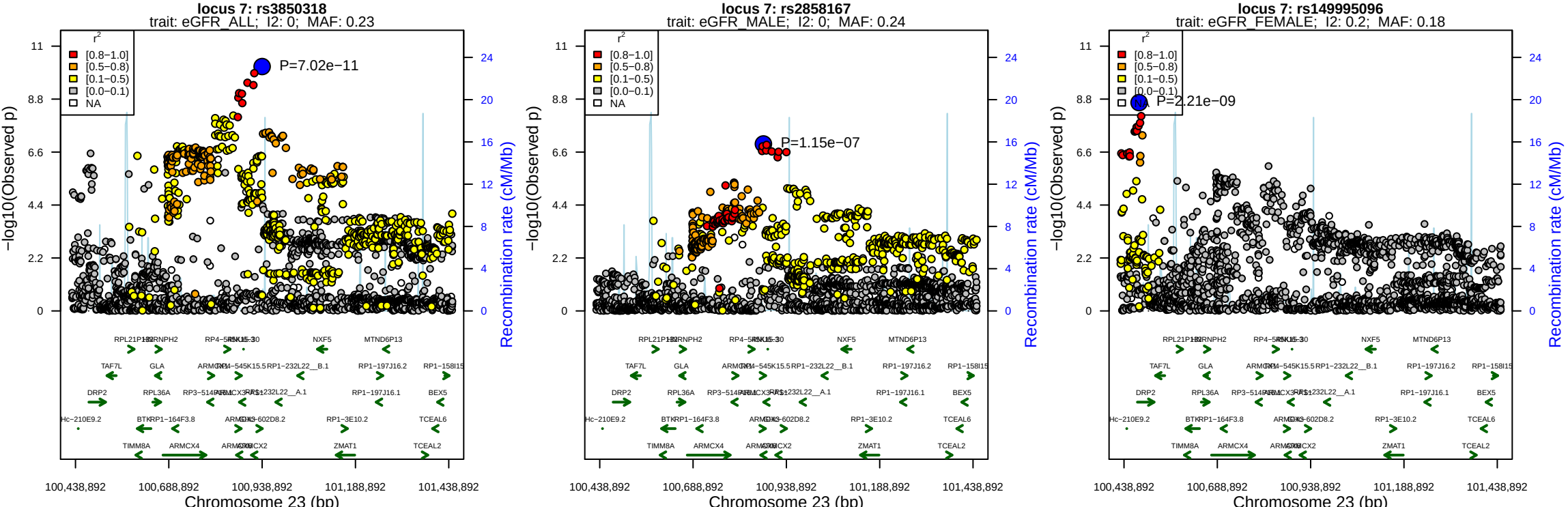

locus 4: rs189618857
trait: eGFR_ALL; I2: 0; MAF: 0.17
r2
[0.8−1.0]
[0.5−0.8)
[0.1−0.5)
[0.0−0.1)
NA
P=6.61e−06
−log10(Observed p)
Recombination rate (cM/Mb)
RP6−22P16.1
PKMP2
EDA2R
65,656,010
65,906,010
66,156,010
66,406,010
66,656,010
Chromosome 23 (bp)

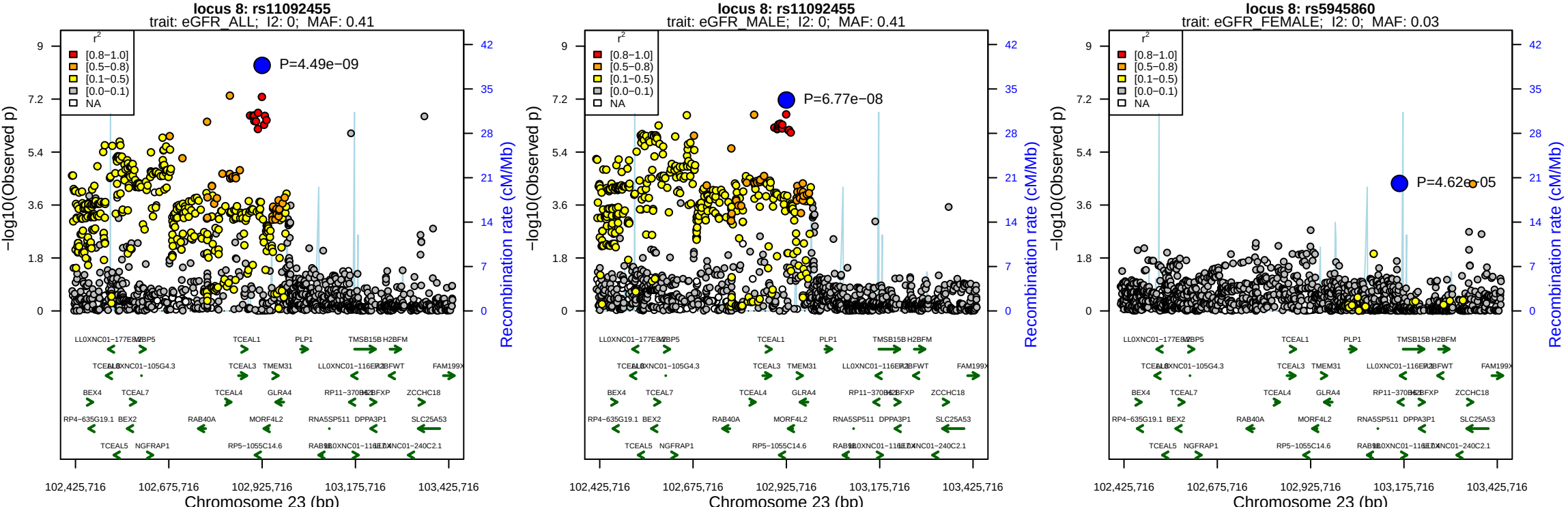

locus 4: rs189618857
trait: eGFR_MALE; I2: 0; MAF: 0.16
r2
[0.8−1.0]
[0.5−0.8)
[0.1−0.5)
[0.0−0.1)
NA
P=3.8e−08
−log10(Observed p)
Recombination rate (cM/Mb)
RP6−22P16.1
PKMP2
EDA2R
65,656,010
65,906,010
66,156,010
66,406,010
66,656,010
Chromosome 23 (bp)

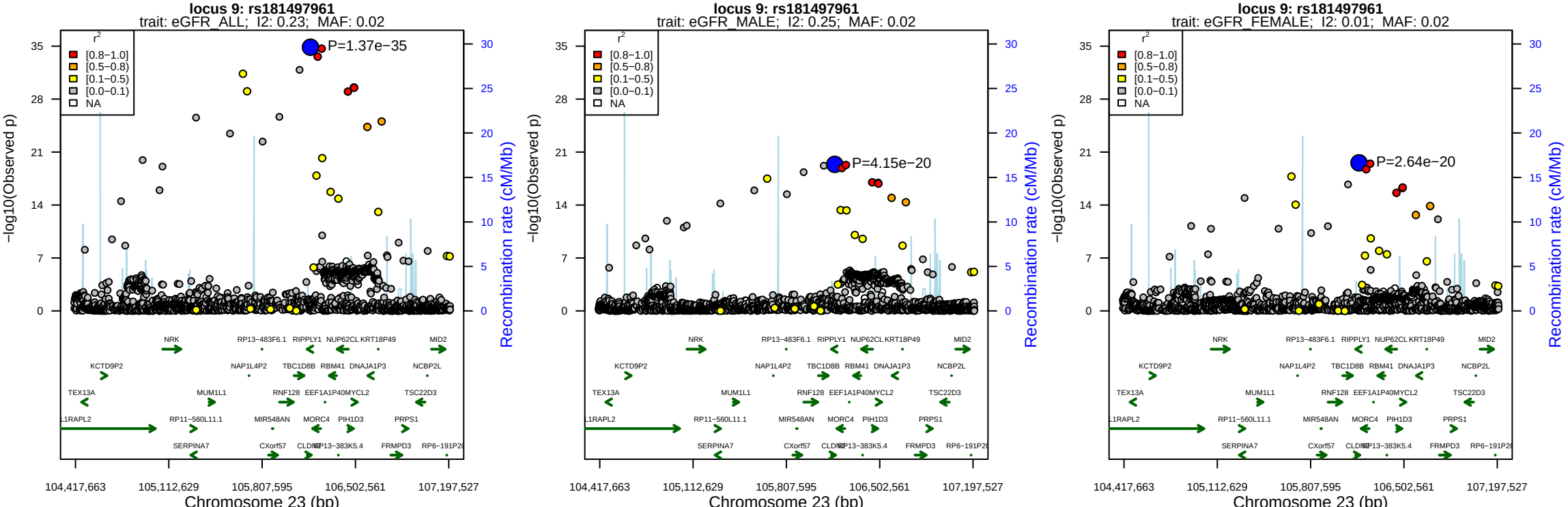

locus 4: rs185758323
trait: eGFR_FEMALE; I2: 0; MAF: 0.06
r2
[0.8−1.0]
[0.5−0.8)
[0.1−0.5)
[0.0−0.1)
NA
P=0.0148
−log10(Observed p)
Recombination rate (cM/Mb)
RP6−22P16.1
PKMP2
EDA2R
65,656,010
65,906,010
66,156,010
66,406,010
66,656,010
Chromosome 23 (bp)

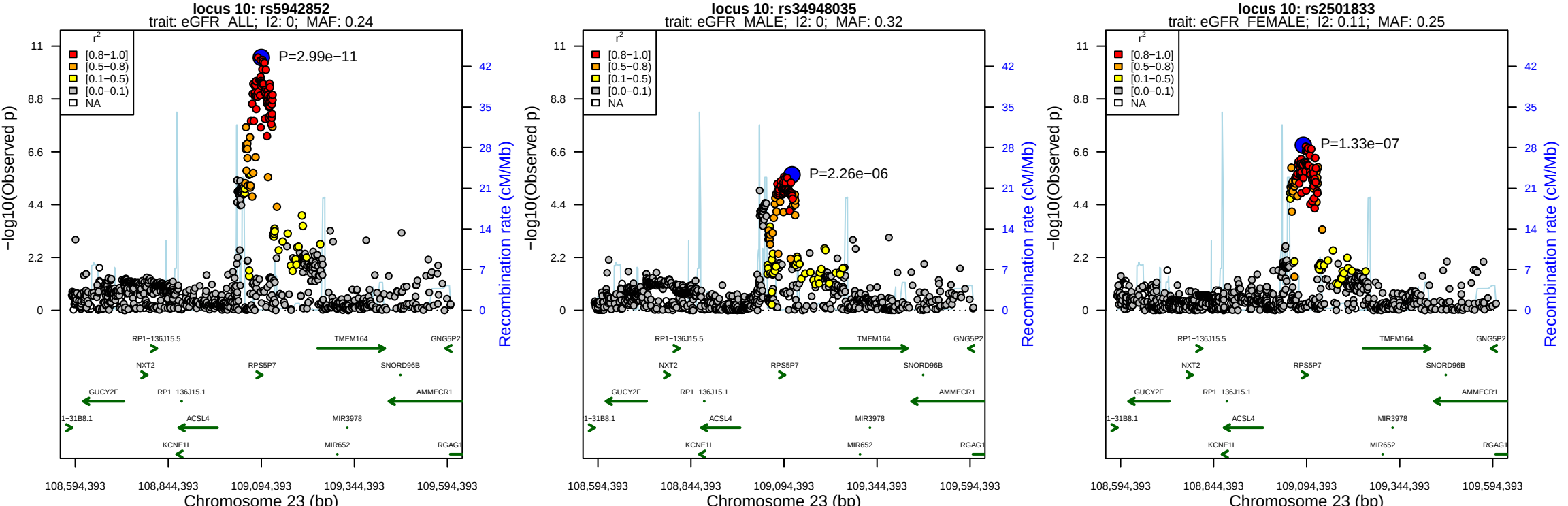

locus 5: rs2063579
trait: eGFR_ALL; I2: 0.01; MAF: 0.3
P=4.3e−08
locus 5: rs5913286
trait: eGFR_MALE; I2: 0.17; MAF: 0.29
P=4.88e−08
locus 5: rs17328555
trait: eGFR_FEMALE; I2: 0; MAF: 0.18
P=0.00137
r2
[0.8−1.0]
[0.5−0.8)
[0.1−0.5)
[0.0−0.1)
NA
−log10(Observed p)
Recombination rate (cM/Mb)
RP11−325E14.2
HMGN5
RP11−325E14.1
VDAC1P1
FAM46D
RP11−325E14.5
RP11−217H19.1
BRWD3
HK2P1
79,317,813
79,594,671
79,871,530
80,148,388
80,425,246
Chromosome 23 (bp)

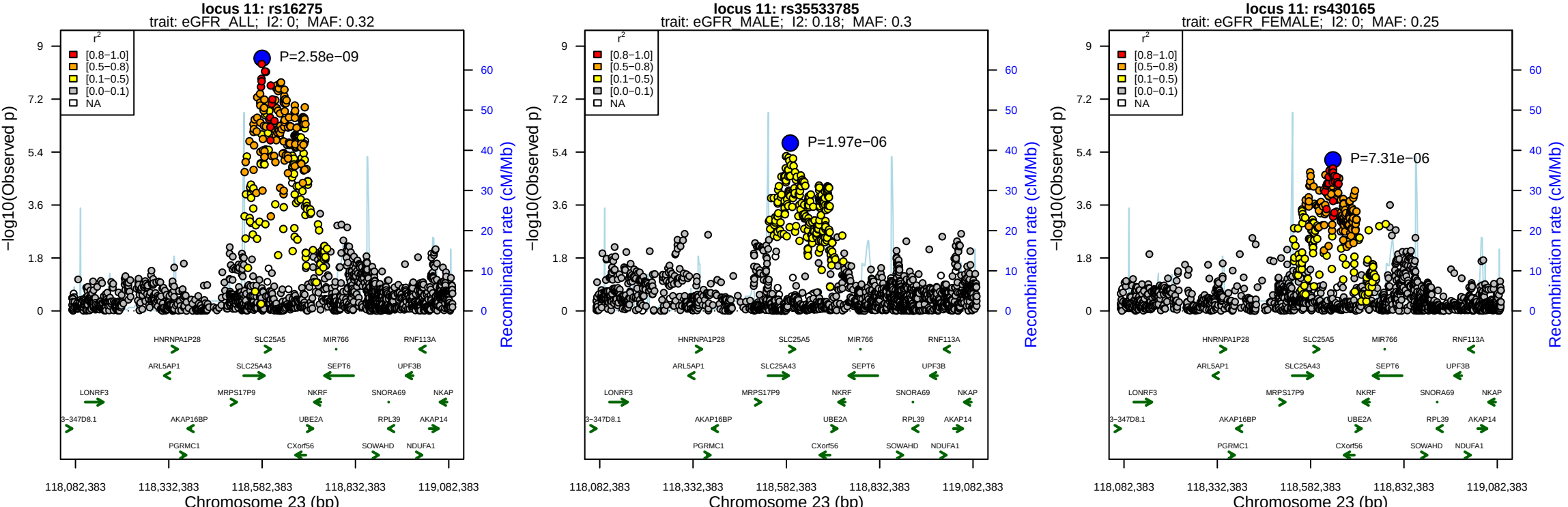

locus 6: rs1802288
trait: eGFR_ALL; I2: 0.44; MAF: 0.17
P=8.68e−13
locus 6: rs1802288
trait: eGFR_MALE; I2: 0.19; MAF: 0.16
P=1.49e−05
locus 6: rs1802288
trait: eGFR_FEMALE; I2: 0.38; MAF: 0.17
P=1.96e−10
r2
[0.8−1.0]
[0.5−0.8)
[0.1−0.5)
[0.0−0.1)
NA
−log10(Observed p)
Recombination rate (cM/Mb)
Chromosome 23 (bp)
99,390,204
99,640,204
99,890,204
100,140,204
100,390,204
TNMD
TMEM35
PCDH19
TRMT2B
RPSAP8
SYTL4
ARL13A
P11−402K9.1
SRPX2
NOX1
TSPAN6
CSTF2
XKRX
CENPI

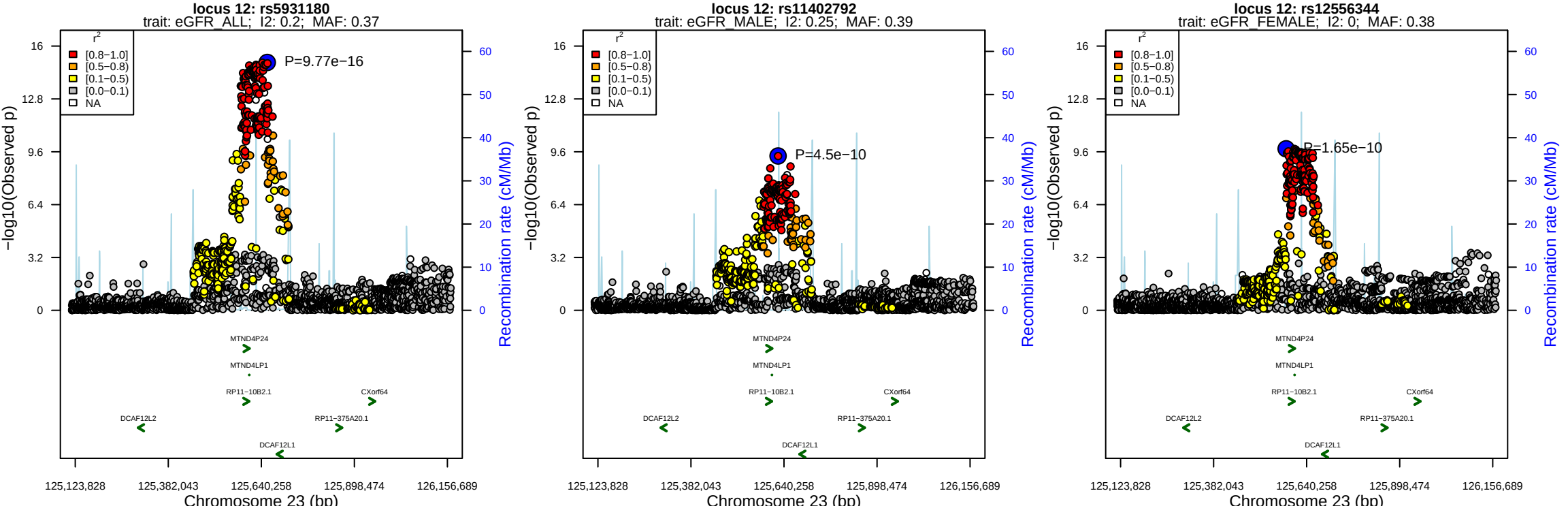

locus 7: rs3850318
trait: eGFR_ALL; I2: 0; MAF: 0.23
P=7.02e−11
locus 7: rs2858167
trait: eGFR_MALE; I2: 0; MAF: 0.24
P=1.15e−07
locus 7: rs149995096
trait: eGFR_FEMALE; I2: 0.2; MAF: 0.18
P=2.21e−09
r2
[0.8−1.0]
[0.5−0.8)
[0.1−0.5)
[0.0−0.1)
NA
−log10(Observed p)
Recombination rate (cM/Mb)
Chromosome 23 (bp)
100,438,892
100,688,892
100,938,892
101,188,892
101,438,892
RPL21P182
RNPH2
RP4−545K15.5
NXF5
MTND6P13
TAF7L
GLA
RP1−232L22__B.1
RP1−197J16.2
DRP2
RPL36A
RP1−232L22__A.1
RP1−197J16.1
BEX5
Hc−210E9.2
BTK
RP1−164F3.8
RP1−3E10.2
TCEAL6
TIMM8A
ARMCX4
ZMAT1
TCEAL2

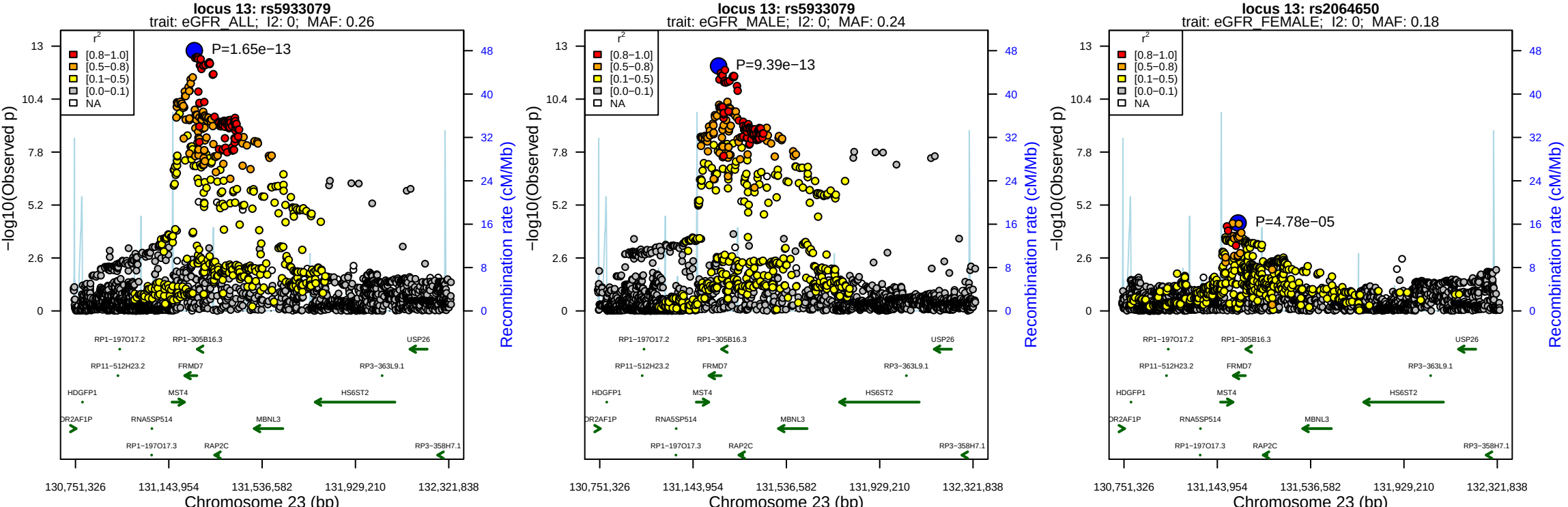

locus 8: rs11092455
trait: eGFR_ALL; I2: 0; MAF: 0.41
P=4.49e−09
locus 8: rs11092455
trait: eGFR_MALE; I2: 0; MAF: 0.41
P=6.77e−08
locus 8: rs5945860
trait: eGFR_FEMALE; I2: 0; MAF: 0.03
P=4.62e−05
r2
[0.8−1.0]
[0.5−0.8)
[0.1−0.5)
[0.0−0.1)
NA
−log10(Observed p)
Recombination rate (cM/Mb)
Chromosome 23 (bp)
102,425,716
102,675,716
102,925,716
103,175,716
103,425,716
TCEAL1
PLP1
TMSB15B
H2BFM
TCEAL3
TMEM31
BEX4
TCEAL7
TCEAL4
GLRA4
ZCCHC18
RP4−635G19.1
BEX2
RAB40A
MORF4L2
RNA5SP511
DPPA3P1
SLC25A53
TCEAL5
NGFRAP1
RP5−1055C14.6

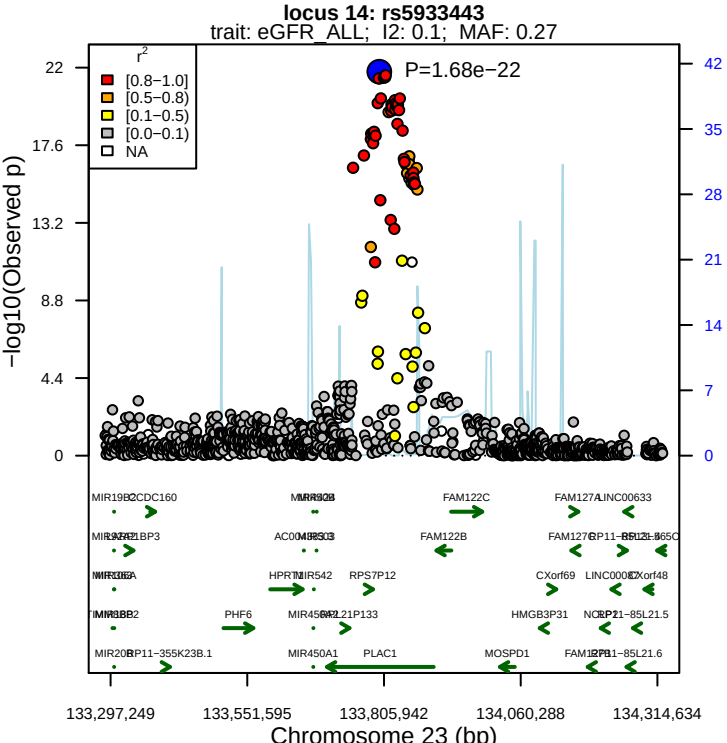

locus 9: rs181497961
trait: eGFR_ALL; I2: 0.23; MAF: 0.02
P=1.37e−35
locus 9: rs181497961
trait: eGFR_MALE; I2: 0.25; MAF: 0.02
P=4.15e−20
locus 9: rs181497961
trait: eGFR_FEMALE; I2: 0.01; MAF: 0.02
P=2.64e−20
r2
[0.8−1.0]
[0.5−0.8)
[0.1−0.5)
[0.0−0.1)
NA
−log10(Observed p)
Recombination rate (cM/Mb)
NRK
RP13−483F6.1
RIPPLY1
NUP62CL
KRT18P49
MID2
KCTD9P2
NAP1L4P2
TBC1D8B
RBM41
DNAJA1P3
NCBP2L
TEX13A
MUM1L1
RNF128
EEF1A1P40
MYCL2
TSC22D3
L1RAPL2
RP11−560L11.1
MIR548AN
MORC4
PIH1D3
PRPS1
SERPINA7
CXorf57
RP13−383K5.4
FRMPD3
104,417,663
105,112,629
105,807,595
106,502,561
107,197,527
Chromosome 23 (bp)

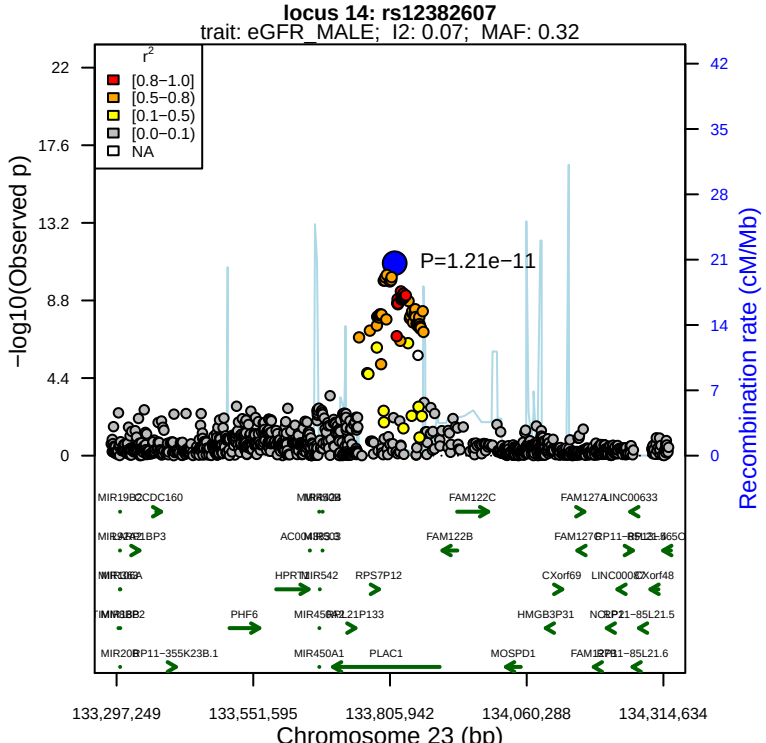

locus 10: rs5942852
trait: eGFR_ALL; I2: 0; MAF: 0.24
P=2.99e−11
locus 10: rs34948035
trait: eGFR_MALE; I2: 0; MAF: 0.32
P=2.26e−06
locus 10: rs2501833
trait: eGFR_FEMALE; I2: 0.11; MAF: 0.25
P=1.33e−07
r2
[0.8−1.0]
[0.5−0.8)
[0.1−0.5)
[0.0−0.1)
NA
−log10(Observed p)
Recombination rate (cM/Mb)
Chromosome 23 (bp)
108,594,393
108,844,393
109,094,393
109,344,393
109,594,393
RP1−136J15.5
TMEM164
GNG5P2
NXT2
RPS5P7
SNORD96B
GUCY2F
RP1−136J15.1
AMMECR1
ACSL4
MIR3978
KCNE1L
MIR652
RGAG1

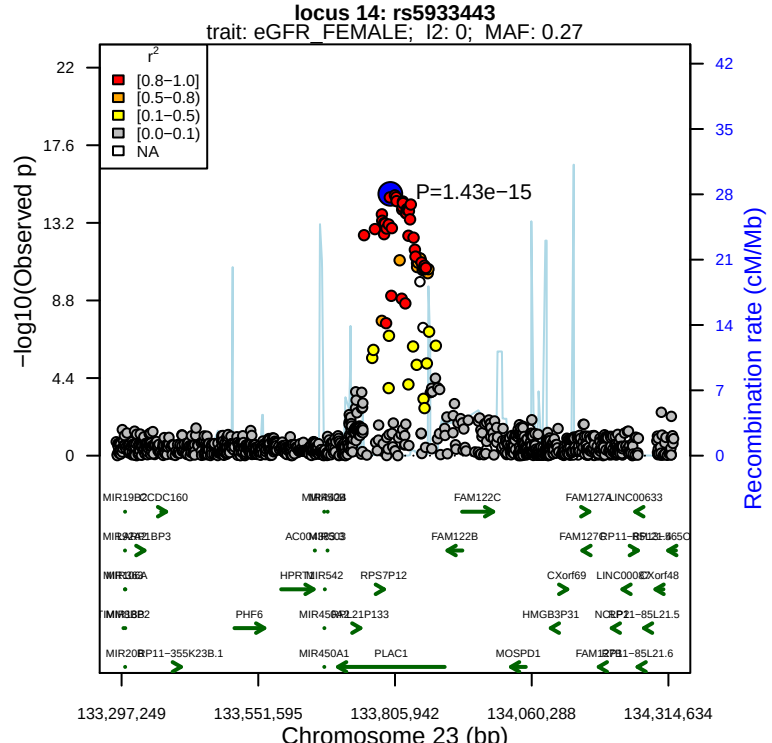

locus 11: rs16275
trait: eGFR_ALL; I2: 0; MAF: 0.32
P=2.58e−09
locus 11: rs35533785
trait: eGFR_MALE; I2: 0.18; MAF: 0.3
P=1.97e−06
locus 11: rs430165
trait: eGFR_FEMALE; I2: 0; MAF: 0.25
P=7.31e−06
r2
[0.8−1.0]
[0.5−0.8)
[0.1−0.5)
[0.0−0.1)
NA
−log10(Observed p)
Recombination rate (cM/Mb)
HNRNPA1P28
SLC25A5
MIR766
RNF113A
ARL5AP1
SLC25A43
SEPT6
UPF3B
LONRF3
MRPS17P9
NKRF
SNORA69
NKAP
3−347D8.1
AKAP16BP
UBE2A
RPL39
AKAP14
PGRMC1
CXorf56
SOWAHD
NDUFA1
118,082,383
118,332,383
118,582,383
118,832,383
119,082,383
Chromosome 23 (bp)

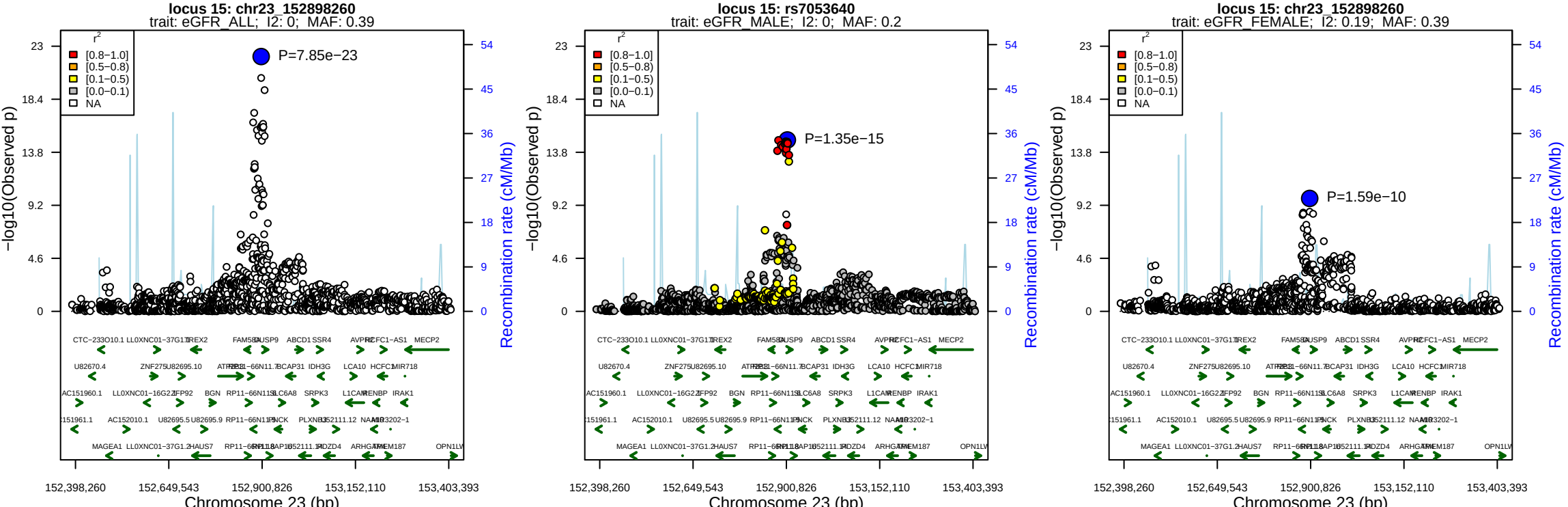

locus 12: rs5931180
trait: eGFR_ALL; I2: 0.2; MAF: 0.37
P=9.77e−16
locus 12: rs11402792
trait: eGFR_MALE; I2: 0.25; MAF: 0.39
P=4.5e−10
locus 12: rs12556344
trait: eGFR_FEMALE; I2: 0; MAF: 0.38
P=1.65e−10
r2
[0.8−1.0]
[0.5−0.8)
[0.1−0.5)
[0.0−0.1)
NA
−log10(Observed p)
Recombination rate (cM/Mb)
MTND4P24
MTND4LP1
RP11−10B2.1
CXorf64
DCAF12L2
RP11−375A20.1
DCAF12L1
125,123,828
125,382,043
125,640,258
125,898,474
126,156,689
Chromosome 23 (bp)

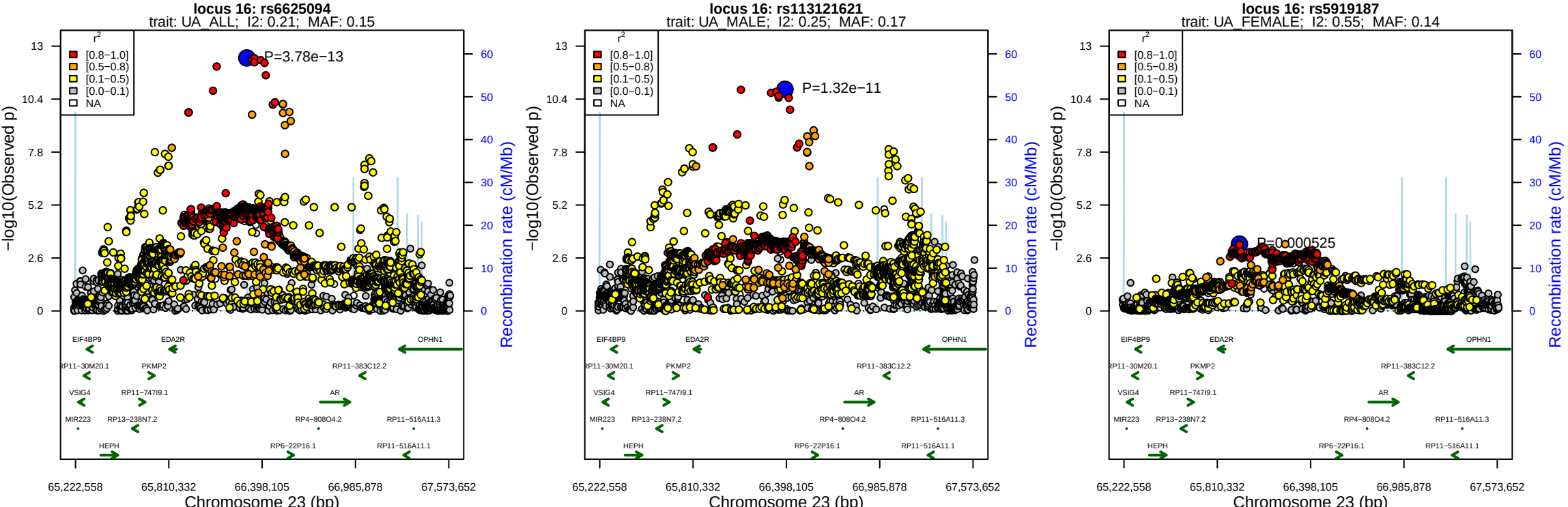

locus 13: rs5933079
trait: eGFR_ALL; I2: 0; MAF: 0.26
P=1.65e−13
locus 13: rs5933079
trait: eGFR_MALE; I2: 0; MAF: 0.24
P=9.39e−13
locus 13: rs2064650
trait: eGFR_FEMALE; I2: 0; MAF: 0.18
P=4.78e−05
r2
[0.8−1.0]
[0.5−0.8)
[0.1−0.5)
[0.0−0.1)
NA
−log10(Observed p)
Recombination rate (cM/Mb)
RP1−197O17.2
RP1−305B16.3
USP26
RP11−512H23.2
FRMD7
RP3−363L9.1
HDGFP1
MST4
HS6ST2
DR2AF1P
RNA5SP514
MBNL3
RP1−197O17.3
RAP2C
RP3−358H7.1
130,751,326
131,143,954
131,536,582
131,929,210
132,321,838
Chromosome 23 (bp)

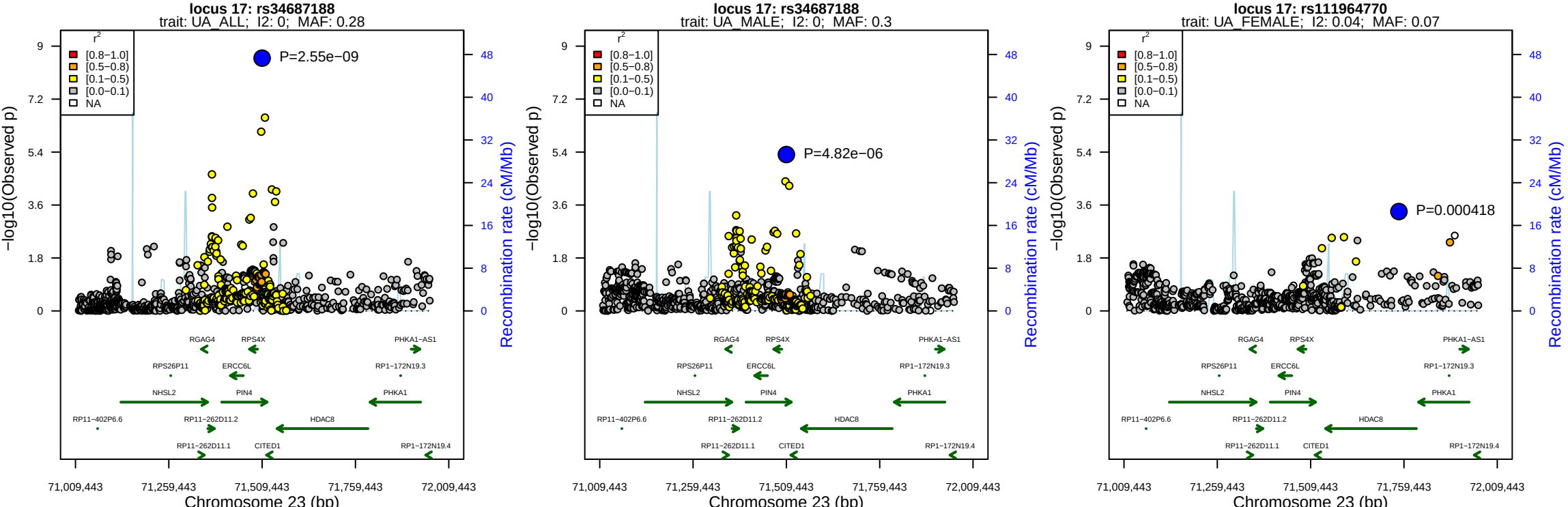

locus 14: rs5933443
trait: eGFR_ALL; I2: 0.1; MAF: 0.27
P=1.68e−22
r2
[0.8−1.0]
[0.5−0.8)
[0.1−0.5)
[0.0−0.1)
NA
−log10(Observed p)
Recombination rate (cM/Mb)
Chromosome 23 (bp)
133,297,249
133,551,595
133,805,942
134,060,288
134,314,634

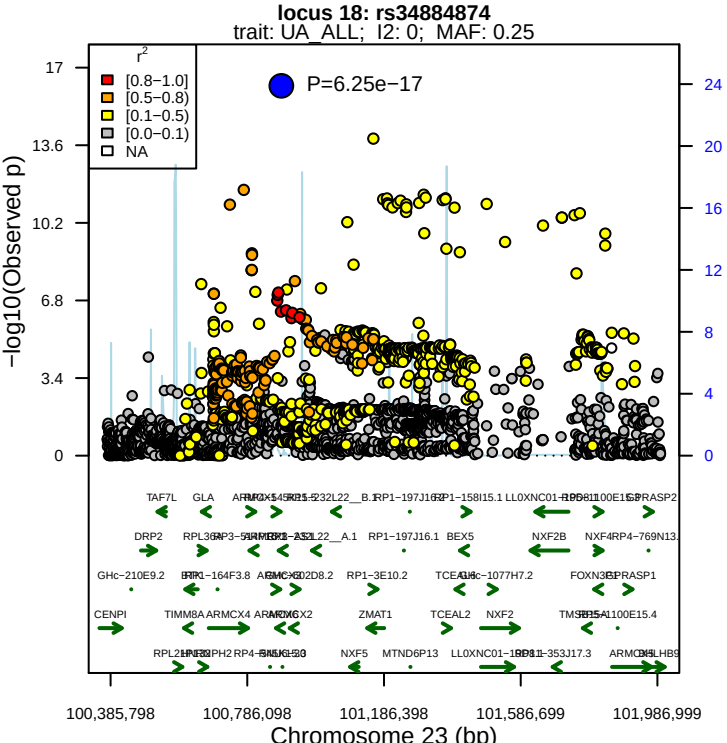

locus 14: rs12382607
trait: eGFR_MALE; I2: 0.07; MAF: 0.32
P=1.21e−11
r2
[0.8−1.0]
[0.5−0.8)
[0.1−0.5)
[0.0−0.1)
NA
−log10(Observed p)
Recombination rate (cM/Mb)
Chromosome 23 (bp)
133,297,249
133,551,595
133,805,942
134,060,288
134,314,634

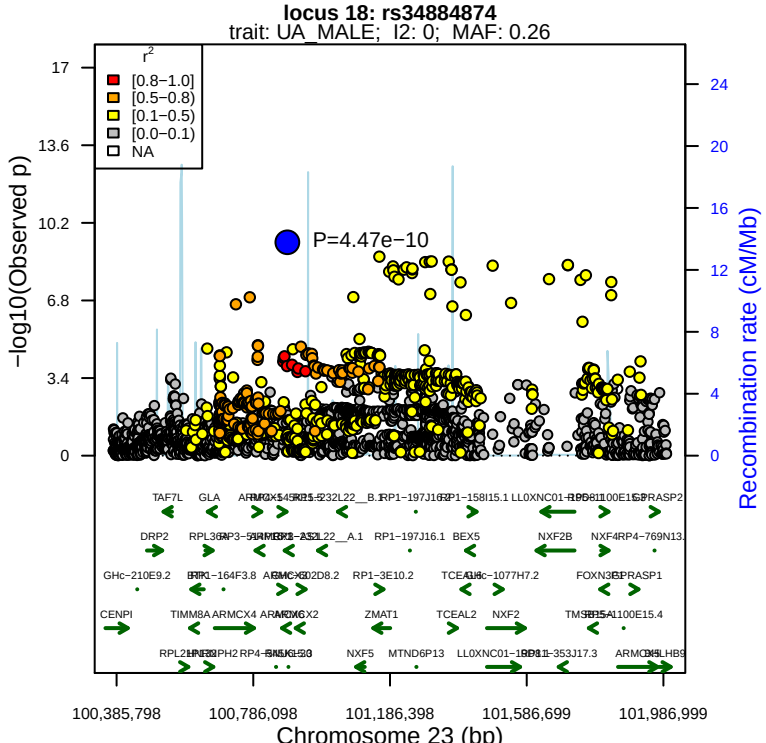

locus 14: rs5933443
trait: eGFR_FEMALE; I2: 0; MAF: 0.27
P=1.43e−15
r2
[0.8−1.0]
[0.5−0.8)
[0.1−0.5)
[0.0−0.1)
NA
−log10(Observed p)
Recombination rate (cM/Mb)
Chromosome 23 (bp)
133,297,249
133,551,595
133,805,942
134,060,288
134,314,634

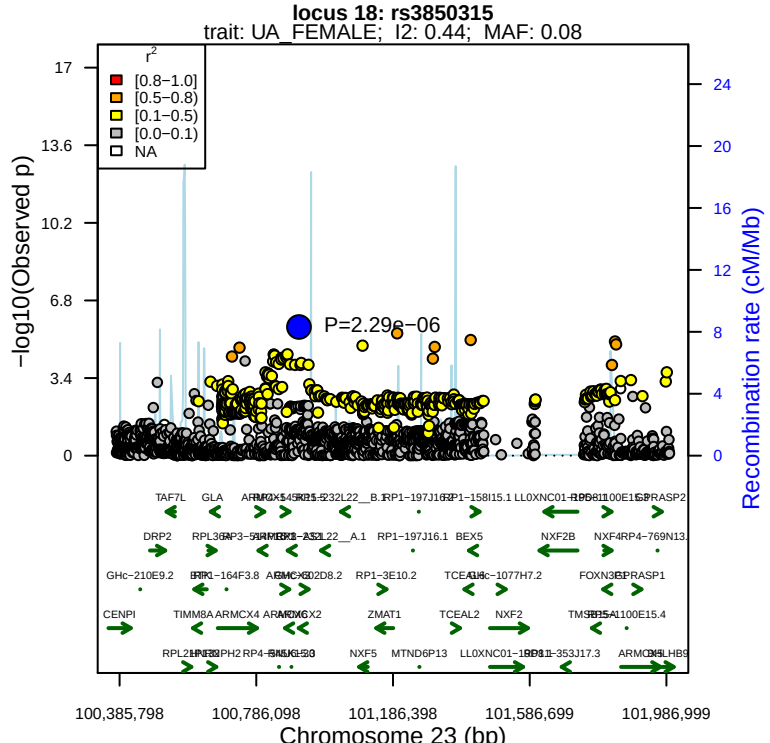

locus 15: chr23_152898260
trait: eGFR_ALL; I2: 0; MAF: 0.39
P=7.85e−23
locus 15: rs7053640
trait: eGFR_MALE; I2: 0; MAF: 0.2
P=1.35e−15
locus 15: chr23_152898260
trait: eGFR_FEMALE; I2: 0.19; MAF: 0.39
P=1.59e−10
r2
[0.8−1.0]
[0.5−0.8)
[0.1−0.5)
[0.0−0.1)
NA
−log10(Observed p)
Recombination rate (cM/Mb)
Chromosome 23 (bp)
152,398,260
152,649,543
152,900,826
153,152,110
153,403,393

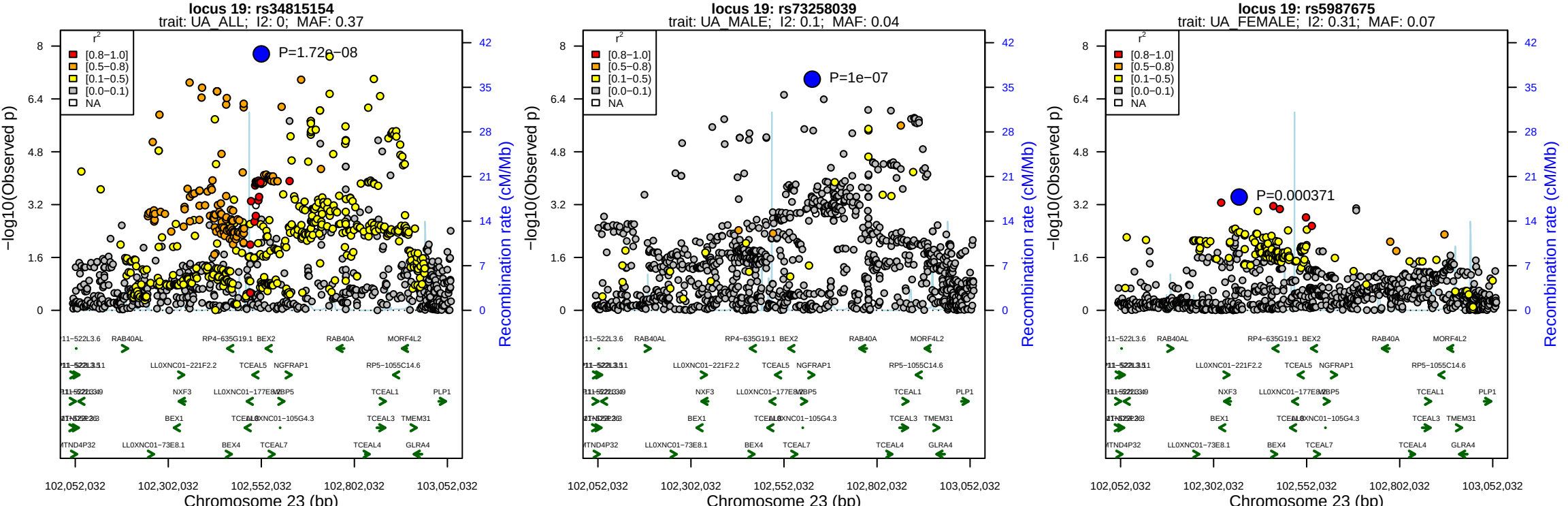

locus 16: rs6625094
trait: UA_ALL; I2: 0.21; MAF: 0.15
P=3.78e−13
locus 16: rs113121621
trait: UA_MALE; I2: 0.25; MAF: 0.17
P=1.32e−11
locus 16: rs5919187
trait: UA_FEMALE; I2: 0.55; MAF: 0.14
P=0.000525
r2
[0.8−1.0]
[0.5−0.8)
[0.1−0.5)
[0.0−0.1)
NA
−log10(Observed p)
Recombination rate (cM/Mb)
EIF4BP9
EDA2R
OPHN1
RP11−30M20.1
PKMP2
RP11−383C12.2
VSIG4
RP11−747I9.1
AR
MIR223
RP13−238N7.2
RP4−808O4.2
RP11−516A11.3
HEPH
RP6−22P16.1
RP11−516A11.1
65,222,558
65,810,332
66,398,105
66,985,878
67,573,652
Chromosome 23 (bp)

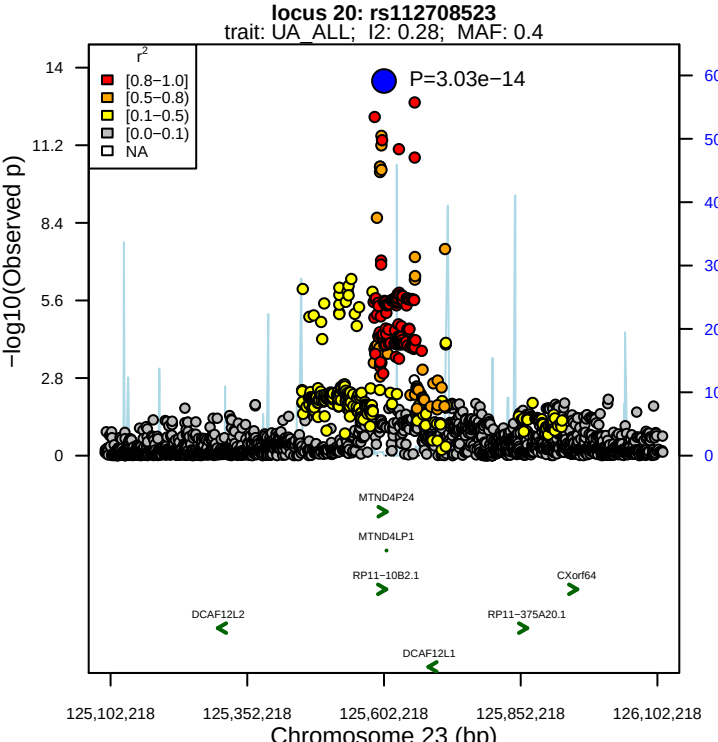

locus 17: rs34687188
trait: UA_ALL; I2: 0; MAF: 0.28
P=2.55e−09
locus 17: rs34687188
trait: UA_MALE; I2: 0; MAF: 0.3
P=4.82e−06
locus 17: rs111964770
trait: UA_FEMALE; I2: 0.04; MAF: 0.07
P=0.000418
r2
[0.8−1.0]
[0.5−0.8)
[0.1−0.5)
[0.0−0.1)
NA
−log10(Observed p)
Recombination rate (cM/Mb)
RGAG4
RPS4X
PHKA1−AS1
RPS26P11
ERCC6L
RP1−172N19.3
NHSL2
PIN4
PHKA1
RP11−402P6.6
RP11−262D11.2
HDAC8
RP11−262D11.1
CITED1
RP1−172N19.4
71,009,443
71,259,443
71,509,443
71,759,443
72,009,443
Chromosome 23 (bp)

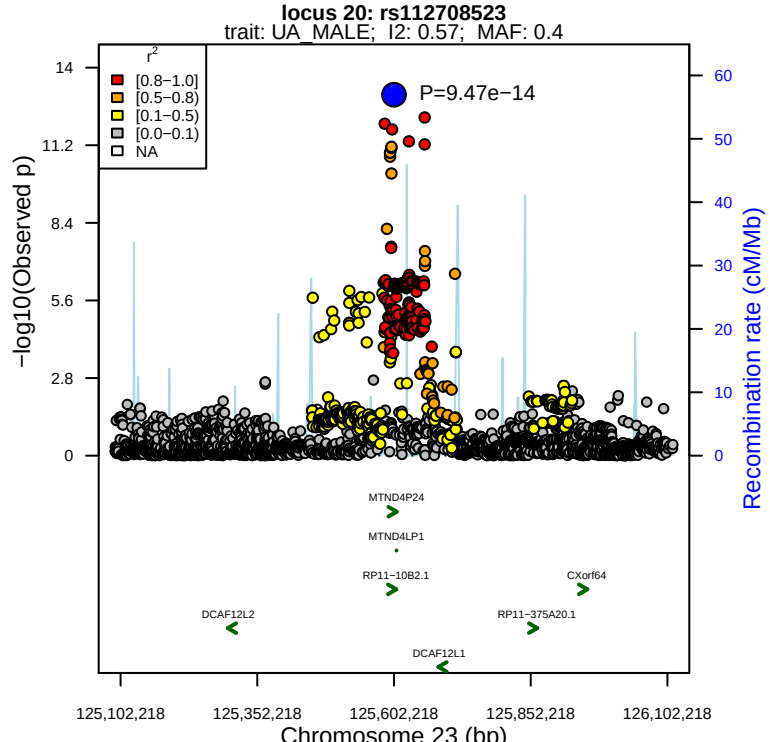

locus 18: rs34884874
trait: UA_ALL; I2: 0; MAF: 0.25
P=6.25e−17
r2
[0.8−1.0]
[0.5−0.8]
[0.1−0.5]
[0.0−0.1]
NA
−log10(Observed p)
Recombination rate (cM/Mb)
Chromosome 23 (bp)
100,385,798
100,786,098
101,186,398
101,586,699
101,986,999

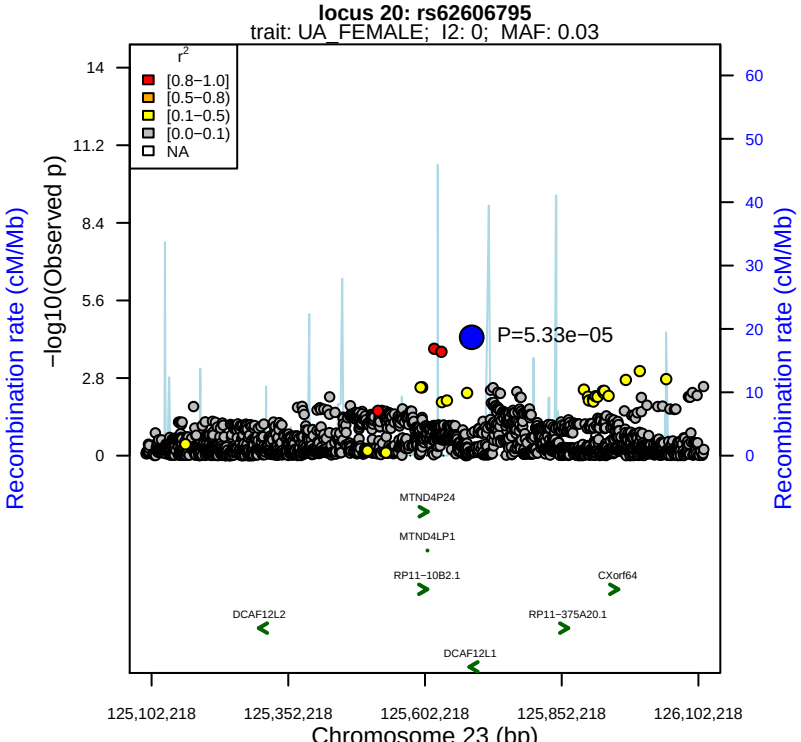

locus 18: rs34884874
trait: UA_MALE; I2: 0; MAF: 0.26
P=4.47e−10
r2
[0.8−1.0]
[0.5−0.8]
[0.1−0.5]
[0.0−0.1]
NA
−log10(Observed p)
Recombination rate (cM/Mb)
Chromosome 23 (bp)
100,385,798
100,786,098
101,186,398
101,586,699
101,986,999

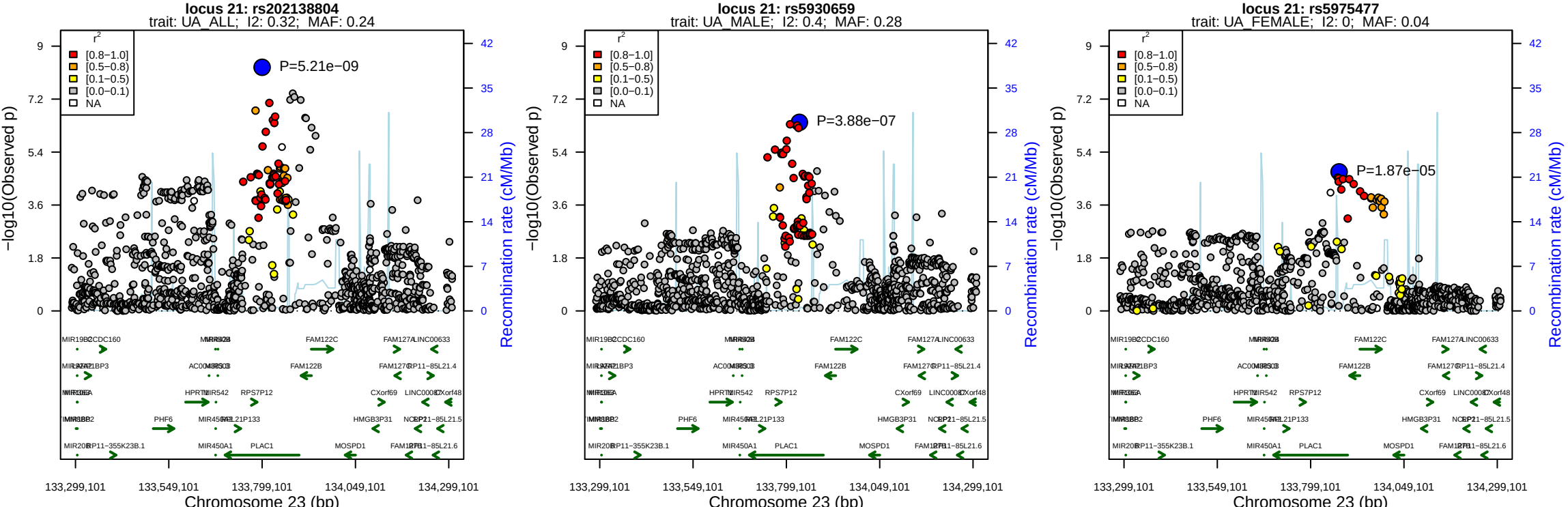

locus 18: rs3850315
trait: UA_FEMALE; I2: 0.44; MAF: 0.08
P=2.29e−06
r2
[0.8−1.0]
[0.5−0.8]
[0.1−0.5]
[0.0−0.1]
NA
−log10(Observed p)
Recombination rate (cM/Mb)
Chromosome 23 (bp)
100,385,798
100,786,098
101,186,398
101,586,699
101,986,999

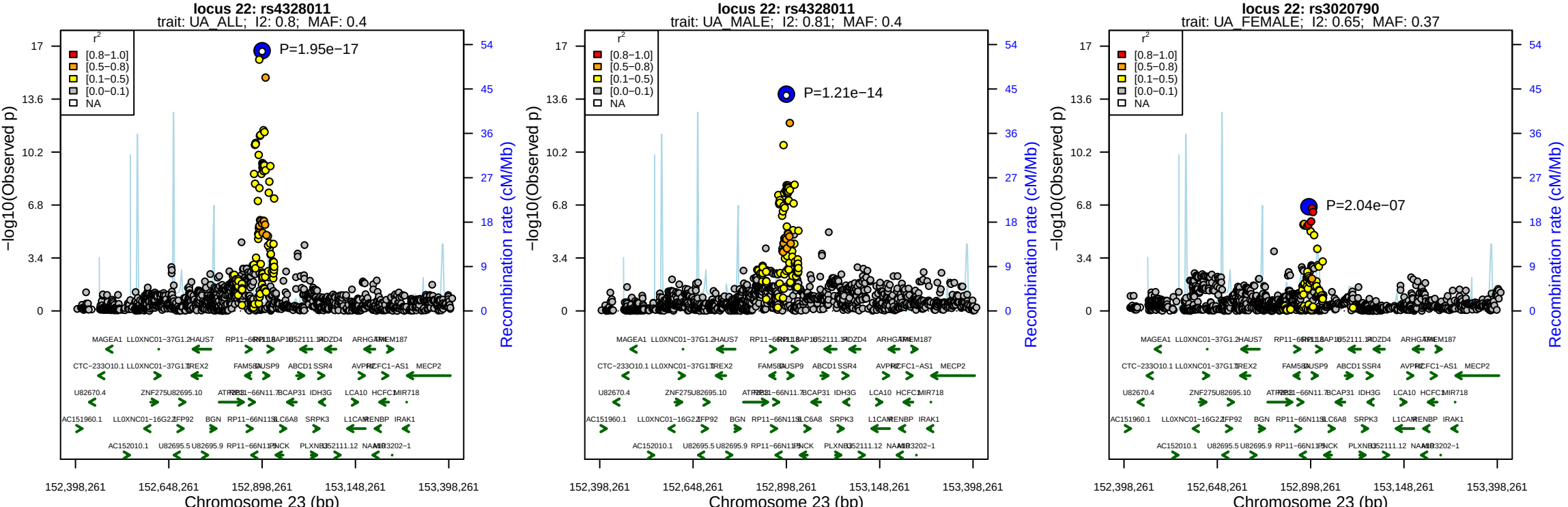

locus 19: rs34815154
trait: UA_ALL; I2: 0; MAF: 0.37
P=1.72e−08
locus 19: rs73258039
trait: UA_MALE; I2: 0.1; MAF: 0.04
P=1e−07
locus 19: rs5987675
trait: UA_FEMALE; I2: 0.31; MAF: 0.07
P=0.000371
r2
[0.8−1.0]
[0.5−0.8)
[0.1−0.5)
[0.0−0.1)
NA
−log10(Observed p)
Recombination rate (cM/Mb)
Chromosome 23 (bp)
102,052,032
102,302,032
102,552,032
102,802,032
103,052,032
RAB40AL
RP4−635G19.1
BEX2
RAB40A
MORF4L2
LL0XNC01−221F2.2
TCEAL5
NGFRAP1
RP5−1055C14.6
NXF3
TCEAL1
PLP1
BEX1
TCEAL3
TMEM31
MTND4P32
LL0XNC01−73E8.1
BEX4
TCEAL7
TCEAL4
GLRA4


locus 20: rs112708523
trait: UA_ALL; I2: 0.28; MAF: 0.4
P=3.03e−14
r2
[0.8−1.0]
[0.5−0.8]
[0.1−0.5]
[0.0−0.1]
NA
−log10(Observed p)
Recombination rate (cM/Mb)
MTND4P24
MTND4LP1
RP11−10B2.1
CXorf64
DCAF12L2
RP11−375A20.1
DCAF12L1
125,102,218
125,352,218
125,602,218
125,852,218
126,102,218
Chromosome 23 (bp)


locus 20: rs112708523
trait: UA_MALE; I2: 0.57; MAF: 0.4
P=9.47e−14
r2
[0.8−1.0]
[0.5−0.8]
[0.1−0.5]
[0.0−0.1]
NA
−log10(Observed p)
Recombination rate (cM/Mb)
MTND4P24
MTND4LP1
RP11−10B2.1
CXorf64
DCAF12L2
RP11−375A20.1
DCAF12L1
125,102,218
125,352,218
125,602,218
125,852,218
126,102,218
Chromosome 23 (bp)


locus 20: rs62606795
trait: UA_FEMALE; I2: 0; MAF: 0.03
P=5.33e−05
r2
[0.8−1.0]
[0.5−0.8]
[0.1−0.5]
[0.0−0.1]
NA
−log10(Observed p)
Recombination rate (cM/Mb)
MTND4P24
MTND4LP1
RP11−10B2.1
CXorf64
DCAF12L2
RP11−375A20.1
DCAF12L1
125,102,218
125,352,218
125,602,218
125,852,218
126,102,218
Chromosome 23 (bp)


locus 21: rs202138804
trait: UA_ALL; I2: 0.32; MAF: 0.24
P=5.21e−09
locus 21: rs5930659
trait: UA_MALE; I2: 0.4; MAF: 0.28
P=3.88e−07
locus 21: rs5975477
trait: UA_FEMALE; I2: 0; MAF: 0.04
P=1.87e−05
r2
[0.8−1.0]
[0.5−0.8)
[0.1−0.5)
[0.0−0.1)
NA
−log10(Observed p)
Recombination rate (cM/Mb)
Chromosome 23 (bp)
133,299,101
133,549,101
133,799,101
134,049,101
134,299,101
MIR19B2
CDC160
FAM122C
FAM127A
LINC00633
FAM122B
FAM127C
RP11−85L21.4
HPRT1
MIR542
RPS7P12
CXorf69
CXorf48
PHF6
HMGB3P31
RP11−85L21.5
MIR20B
RP11−355K23B.1
MIR450A1
PLAC1
MOSPD1
RP11−85L21.6


locus 22: rs4328011
trait: UA_ALL; I2: 0.8; MAF: 0.4
P=1.95e−17
locus 22: rs4328011
trait: UA_MALE; I2: 0.81; MAF: 0.4
P=1.21e−14
locus 22: rs3020790
trait: UA_FEMALE; I2: 0.65; MAF: 0.37
P=2.04e−07
r2
[0.8−1.0]
[0.5−0.8)
[0.1−0.5)
[0.0−0.1)
NA
−log10(Observed p)
Recombination rate (cM/Mb)
Chromosome 23 (bp)
152,398,261
152,648,261
152,898,261
153,148,261
153,398,261