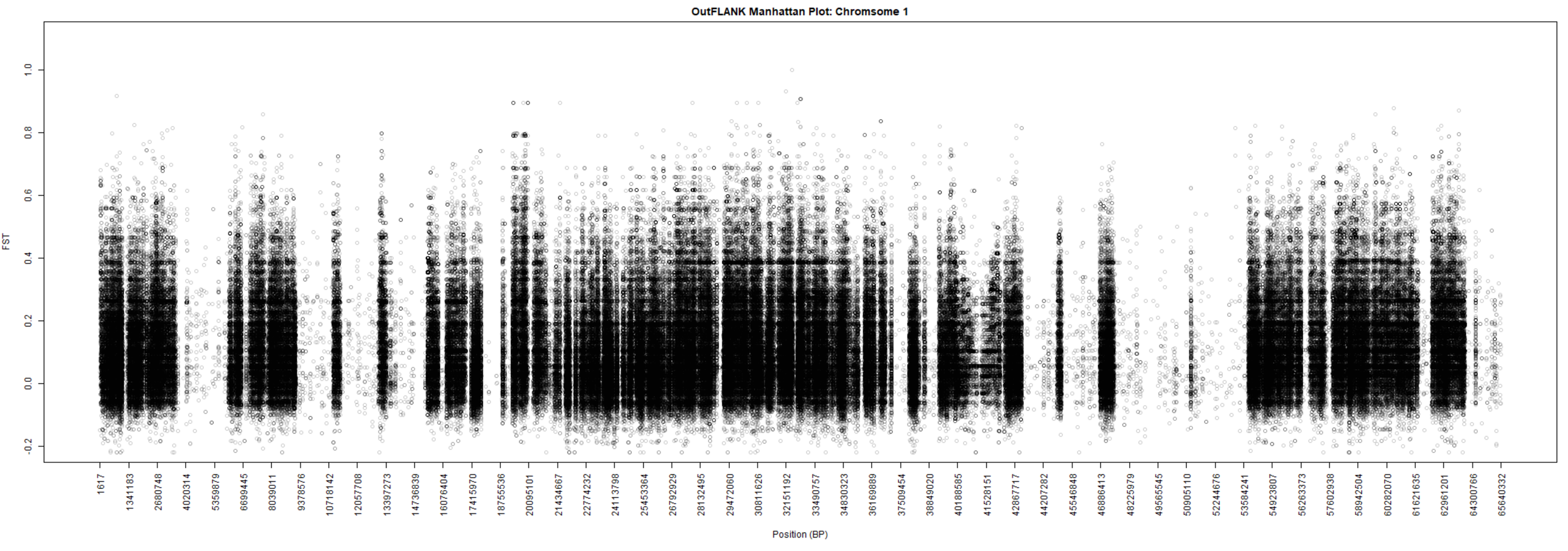
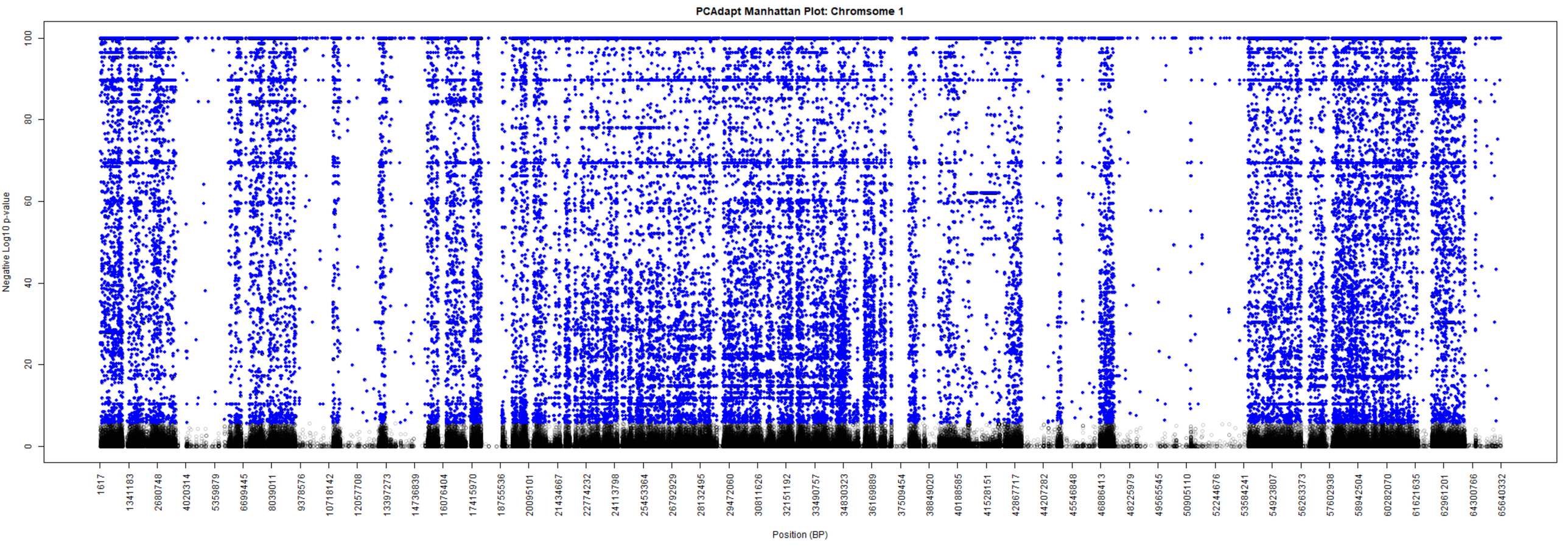

OutFLANK Manhattan Plot: Chromsome 1
FST
1.0
0.8
0.6
0.4
0.2
0.0
-0.2
1617
1341183
2680748
4020314
5359879
6699445
8039011
9378576
10718142
12057708
13397273
14736839
16076404
17415970
18755536
20095101
21434667
22774232
24113798
25453364
26792929
28132495
29472060
30811626
32151192
33490757
34830323
36169889
37509454
38849020
40188585
41528151
42867717
44207282
45546848
46886413
48225979
49565545
50905110
52244676
53584241
54923807
56263373
57602938
58942504
60282070
61621635
62961201
64300766
65640332
Position (BP)


PCAdapt Manhattan Plot: Chromsome 1
Negative Log10 p-value
100
80
60
40
20
0
1617
1341183
2680748
4020314
5359879
6699445
8039011
9378576
10718142
12057708
13397273
14736839
16076404
17415970
18755536
20095101
21434667
22774232
24113798
25453364
26792929
28132495
29472060
30811626
32151192
33490757
34830323
36169889
37509454
38849020
40188585
41528151
42867717
44207282
45546848
46886413
48225979
49565545
50905110
52244676
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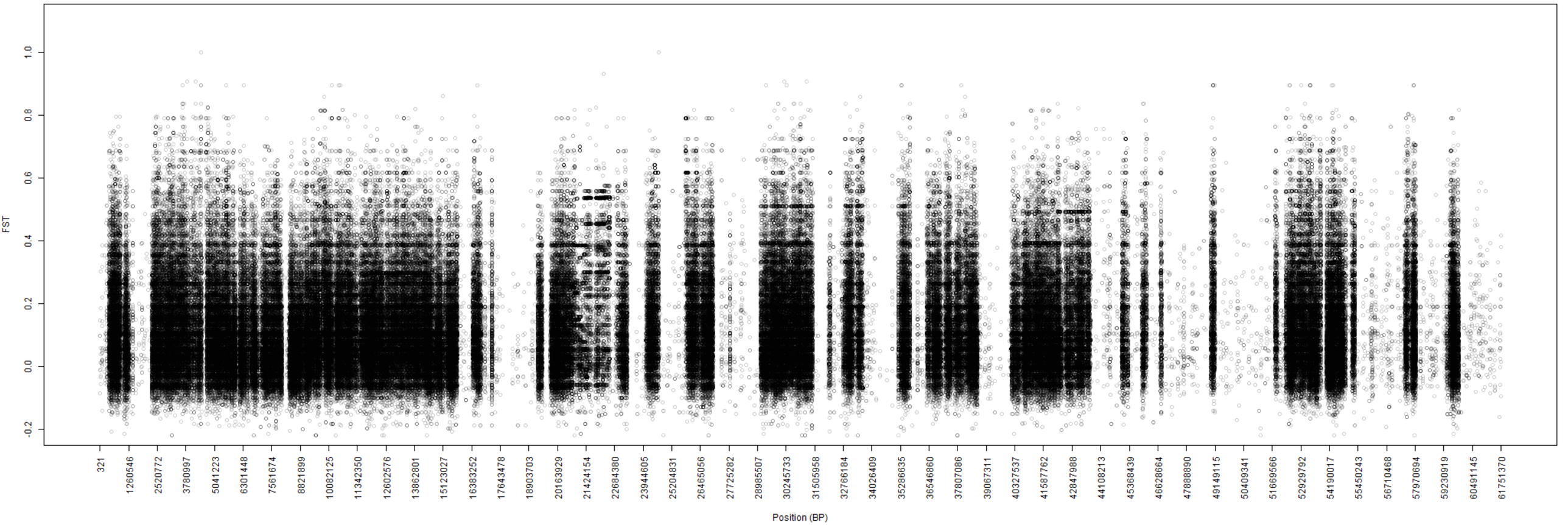
57602938
58942504
60282070
61621635
62961201
64300766
65640332
Position (BP)


OutFLANK Manhattan Plot: Chromsome 2
FST
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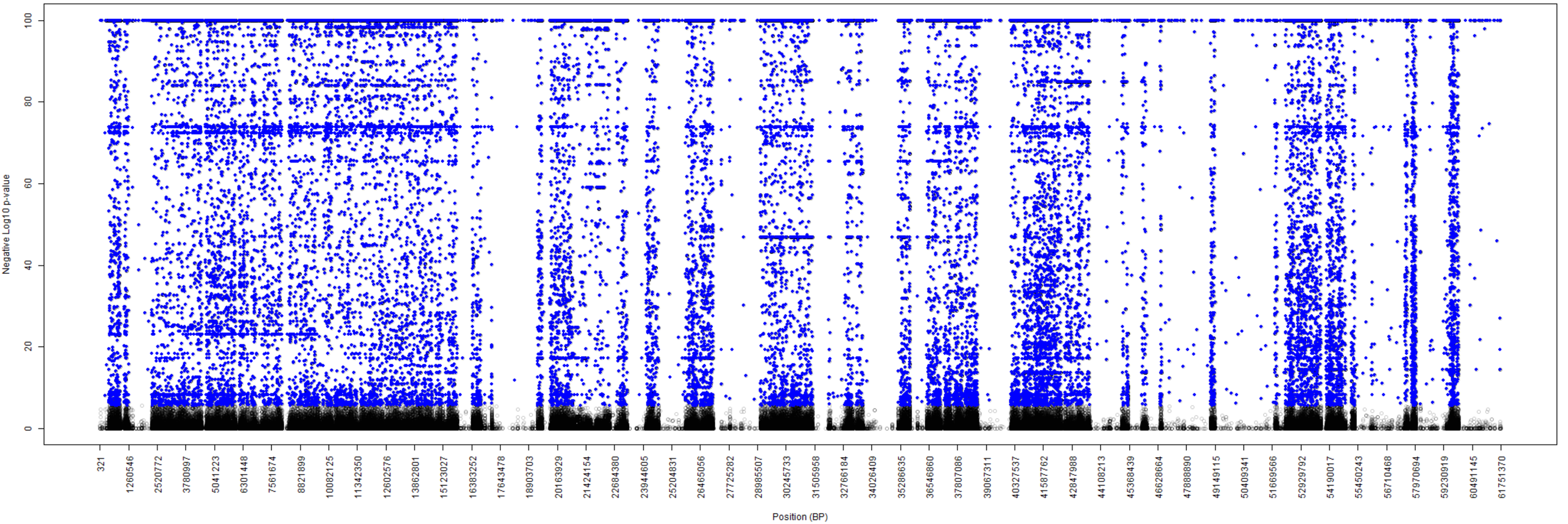
0.8
0.6
0.4
0.2
0.0
-0.2
321
1260546
2520772
3780997
5041223
6301448
7561674
8821899
10082125
11342350
12602576
13862801
15123027
16383252
17643478
18903703
20163929
21424154
22684380
23944605
25204831
26465056
27725282
28985507
30245733
31505958
32766184
34026409
35286635
36546860
37807086
39067311
40327537
41587762
42847988
44108213
45368439
46628664
47888890
49149115
50409341
51669566
52929792
54190017
55450243
56710468
57970694
59230919
60491145
61751370
Position (BP)


PCAdapt Manhattan Plot: Chromsome 2
Negative Log10 p-value
100
80
60
40
20
0
321
1260546
2520772
3780997
5041223
6301448
7561674
8821899
10082125
11342350
12602576
13862801
15123027
16383252
17643478
18903703
20163929
21424154
22684380
23944605
25204831
26465056
27725282
28985507
30245733
31505958
32766184
34026409
35286635
36546860
37807086
39067311
40327537
41587762
42847988
44108213
45368439
46628664
47888890
49149115
50409341
51669566
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54190017
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56710468
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59230919
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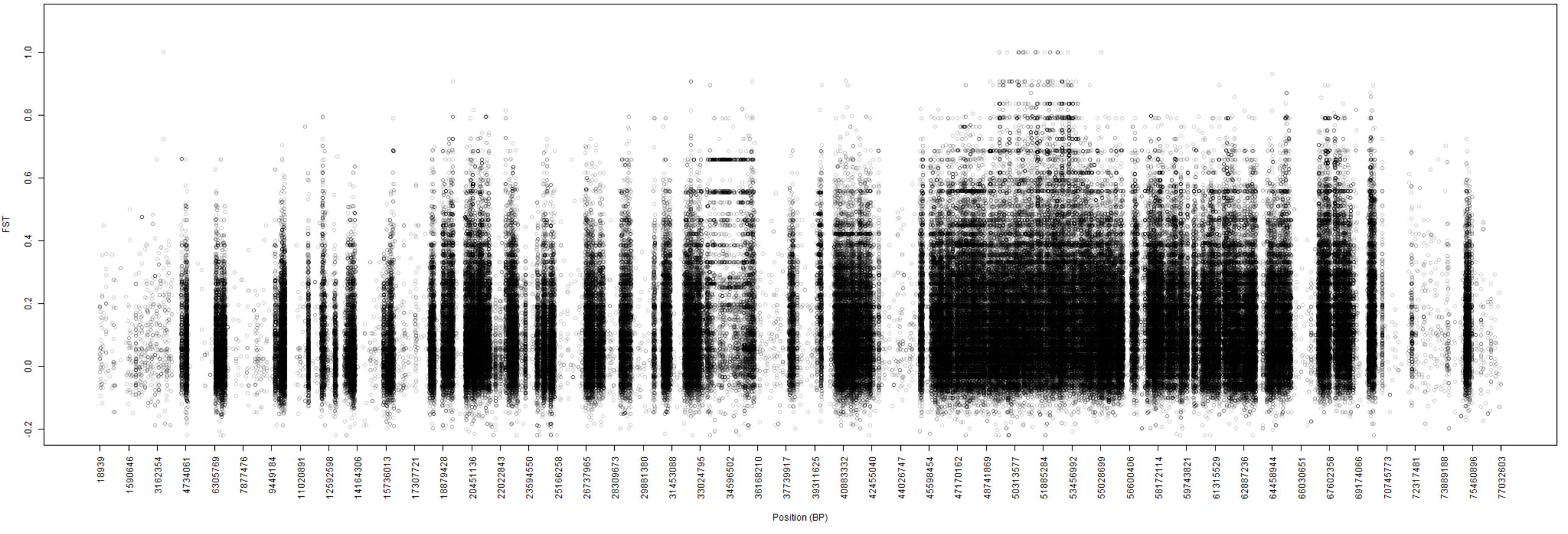
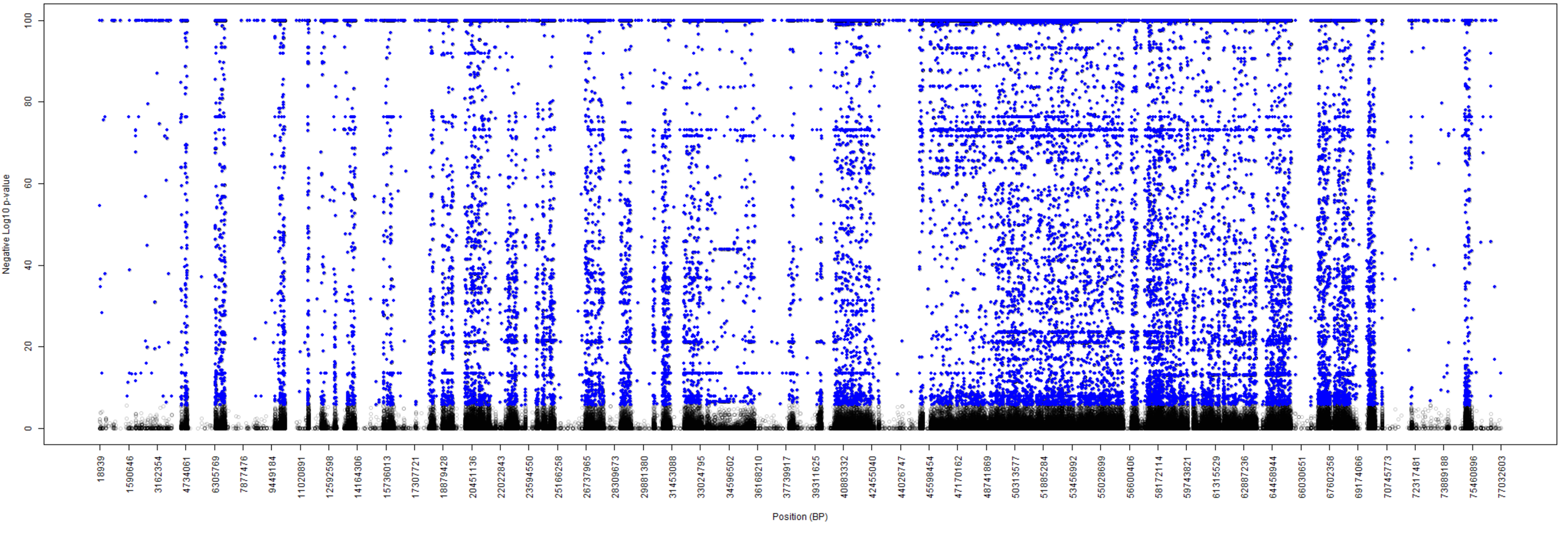
61751370
Position (BP)


OutFLANK Manhattan Plot: Chromsome 3
FST
-0.2
0.0
0.2
0.4
0.6
0.8
1.0
18939
1590646
3162354
4734061
6305769
7877476
9449184
11020891
12592598
14164306
15736013
17307721
18879428
20451136
22022843
23594550
25166258
26737965
28309673
29881380
31453088
33024795
34596502
36168210
37739917
39311625
40883332
42455040
44026747
45598454
47170162
48741869
50313577
51885284
53456992
55028699
56600406
58172114
59743821
61315529
62887236
64458944
66030651
67602358
69174066
70745773
72317481
73889188
75460896
77032603
Position (BP)


PCAdapt Manhattan Plot: Chromsome 3
Negative Log10 p-value
0
20
40
60
80
100
18939
1590646
3162354
4734061
6305769
7877476
9449184
11020891
12592598
14164306
15736013
17307721
18879428
20451136
22022843
23594550
25166258
26737965
28309673
29881380
31453088
33024795
34596502
36168210
37739917
39311625
40883332
42455040
44026747
45598454
47170162
48741869
50313577
51885284
53456992
55028699
56600406
58172114
59743821
61315529
62887236
64458944
66030651
67602358
69174066
70745773
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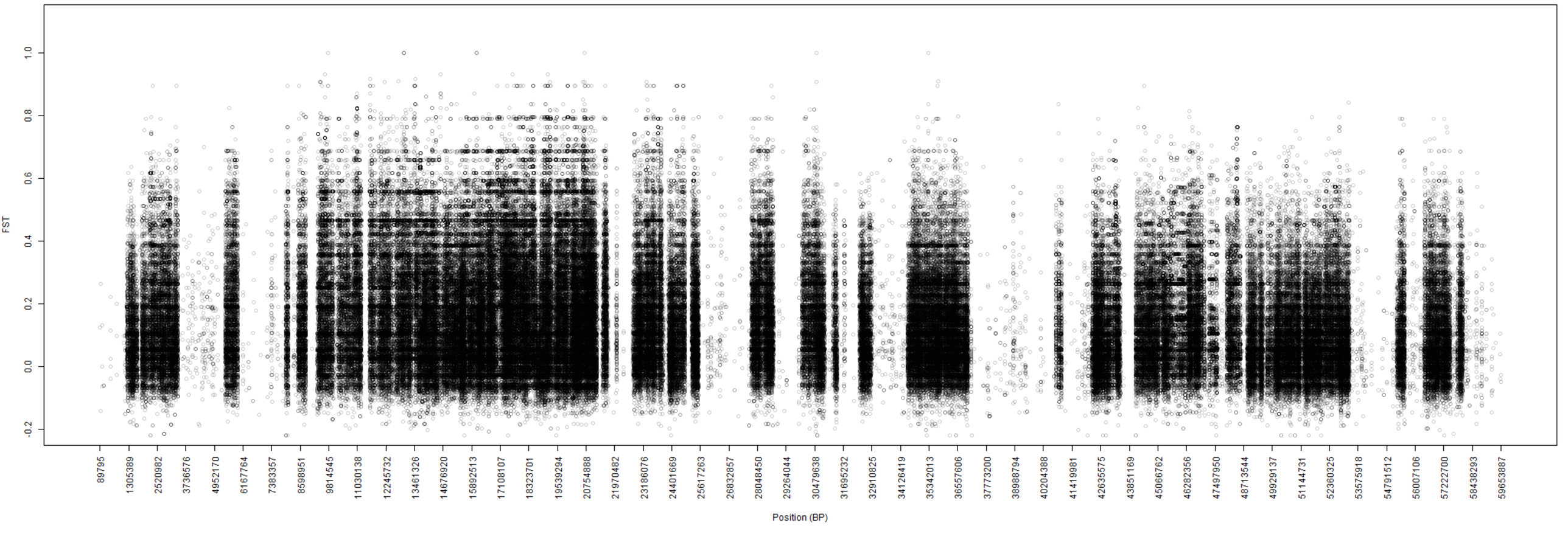
75460896
77032603
Position (BP)


OutFLANK Manhattan Plot: Chromsome 4
FST
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0.8
0.6
0.4
0.2
0.0
-0.2
89795
1305389
2520982
3736576
4952170
6167764
7383357
8598951
9814545
11030138
12245732
13461326
14676920
15892513
17108107
18323701
19539294
20754888
21970482
23186076
24401669
25617263
26832857
28048450
29264044
30479638
31695232
32910825
34126419
35342013
36557606
37773200
38988794
40204388
41419981
42635575
43851169
45066762
46282356
47497950
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52360325
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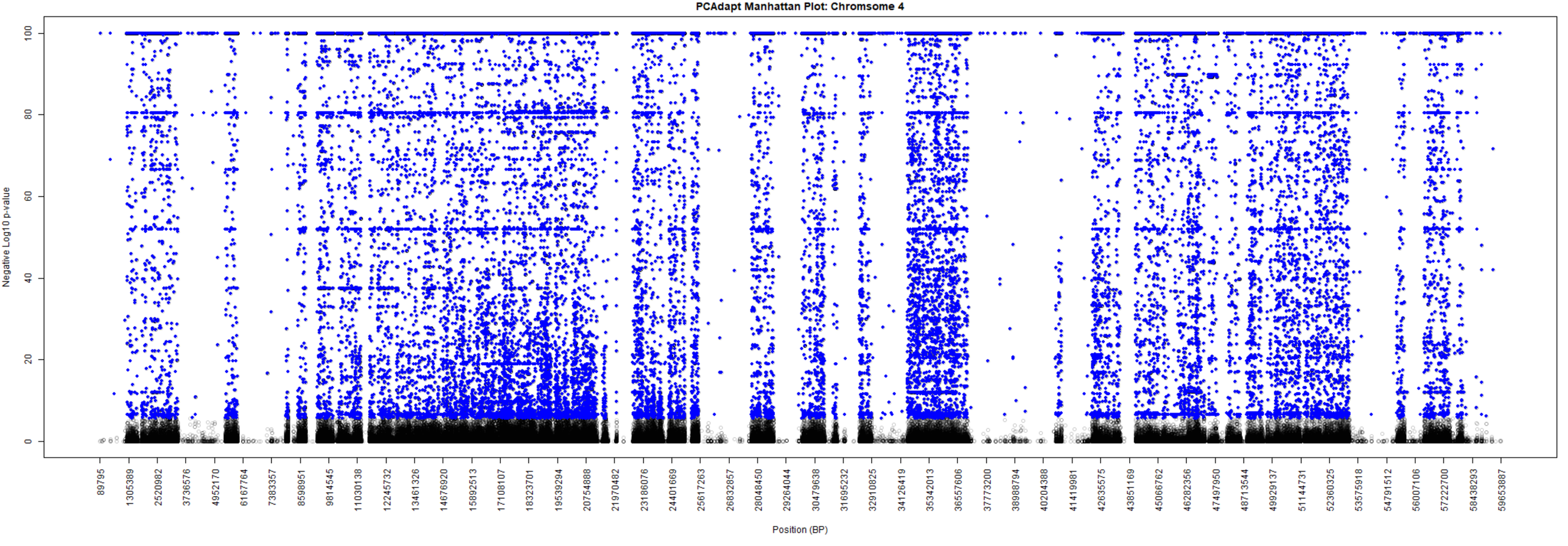
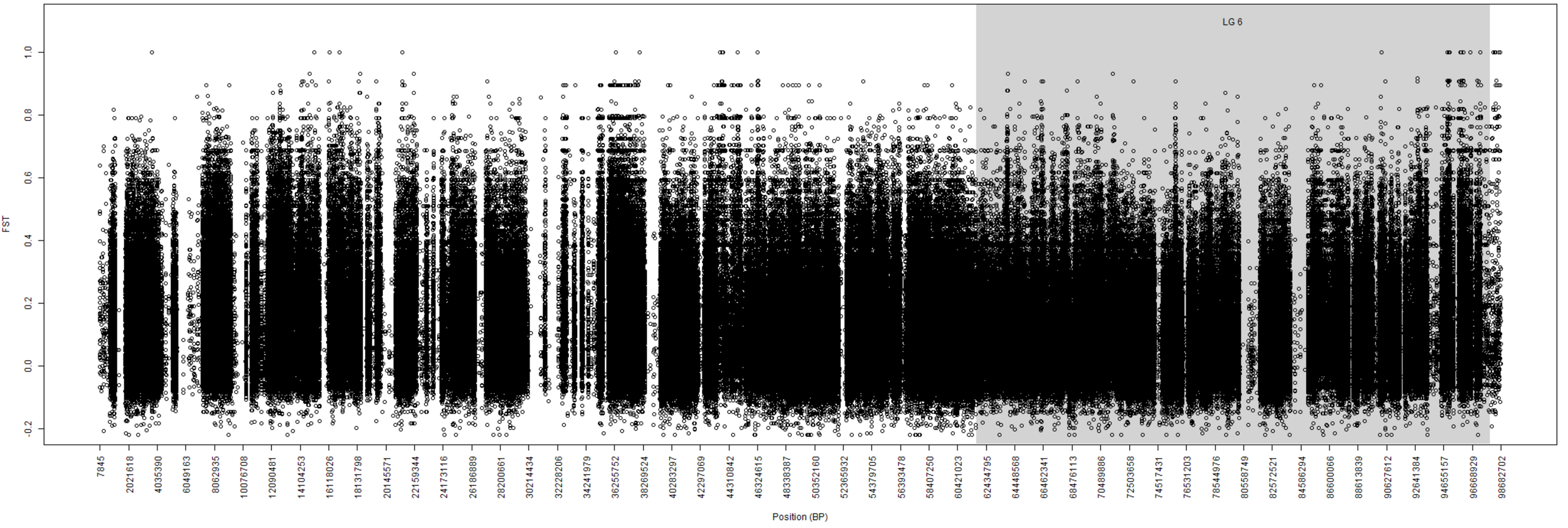
57222700
58438293
59653887
Position (BP)


PCAdapt Manhattan Plot: Chromsome 4
Negative Log10 p-value
100
80
60
40
20
0
89795
1305389
2520982
3736576
4952170
6167764
7383357
8598951
9814545
11030138
12245732
13461326
14676920
15892513
17108107
18323701
19539294
20754888
21970482
23186076
24401669
25617263
26832857
28048450
29264044
30479638
31695232
32910825
34126419
35342013
36557606
37773200
38988794
40204388
41419981
42635575
43851169
45066762
46282356
47497950
48713544
49929137
51144731
52360325
53575918
54791512
56007106
57222700
58438293
59653887
Position (BP)


OutFLANK Manhattan Plot: Chromsome 5
LG 6
FST
1.0
0.8
0.6
0.4
0.2
0.0
-0.2
7845
2021618
4035390
6049163
8062935
10076708
12090481
14104253
16118026
18131798
20145571
22159344
24173116
26186889
28200661
30214434
32228206
34241979
36255752
38269524
40283297
42297069
44310842
46324615
48338387
50352160
52365932
54379705
56393478
58407250
60421023
62434795
64448568
66462341
68476113
70489886
72503658
74517431
76531203
78544976
80558749
82572521
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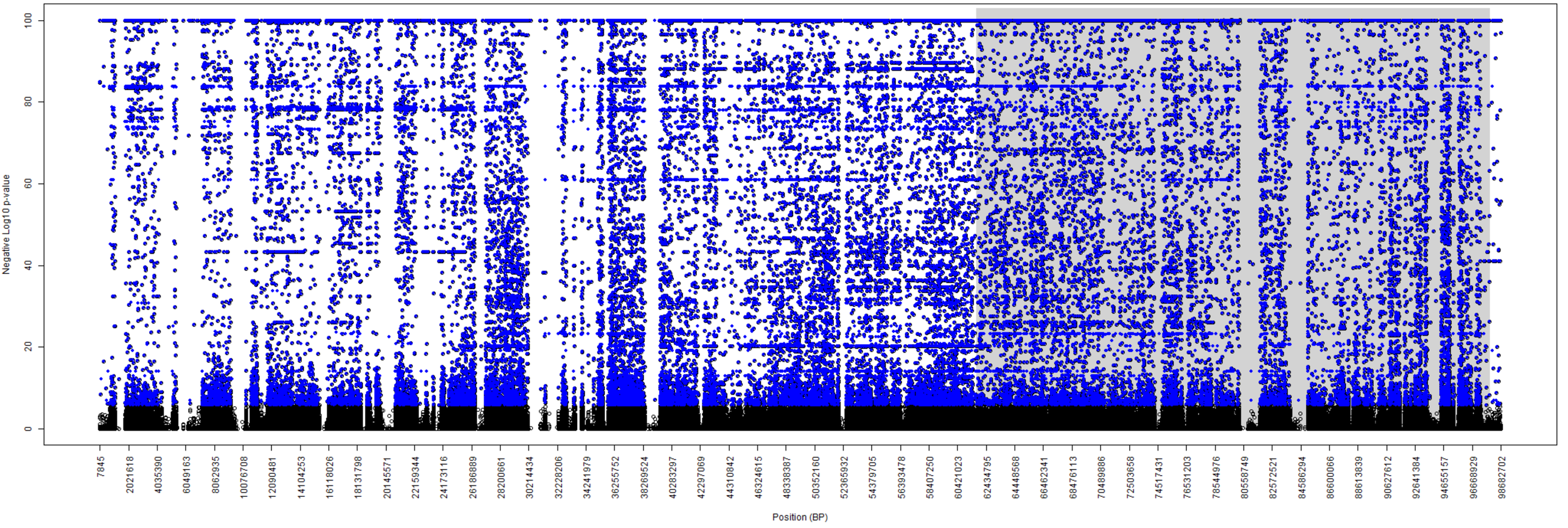
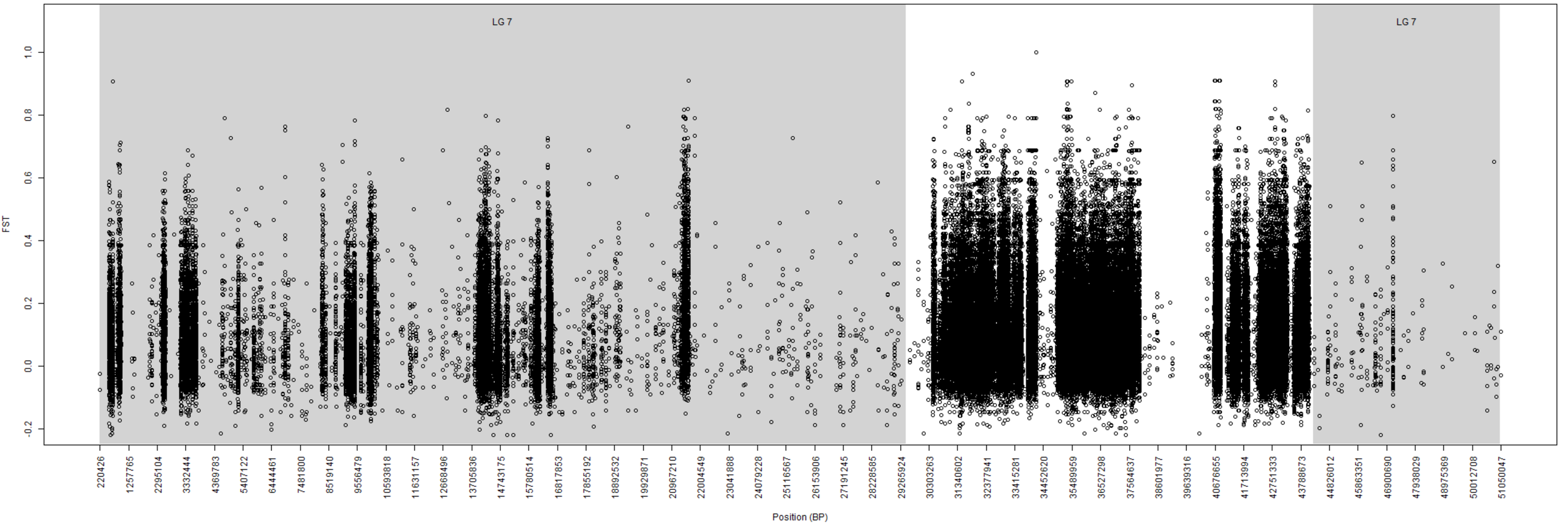
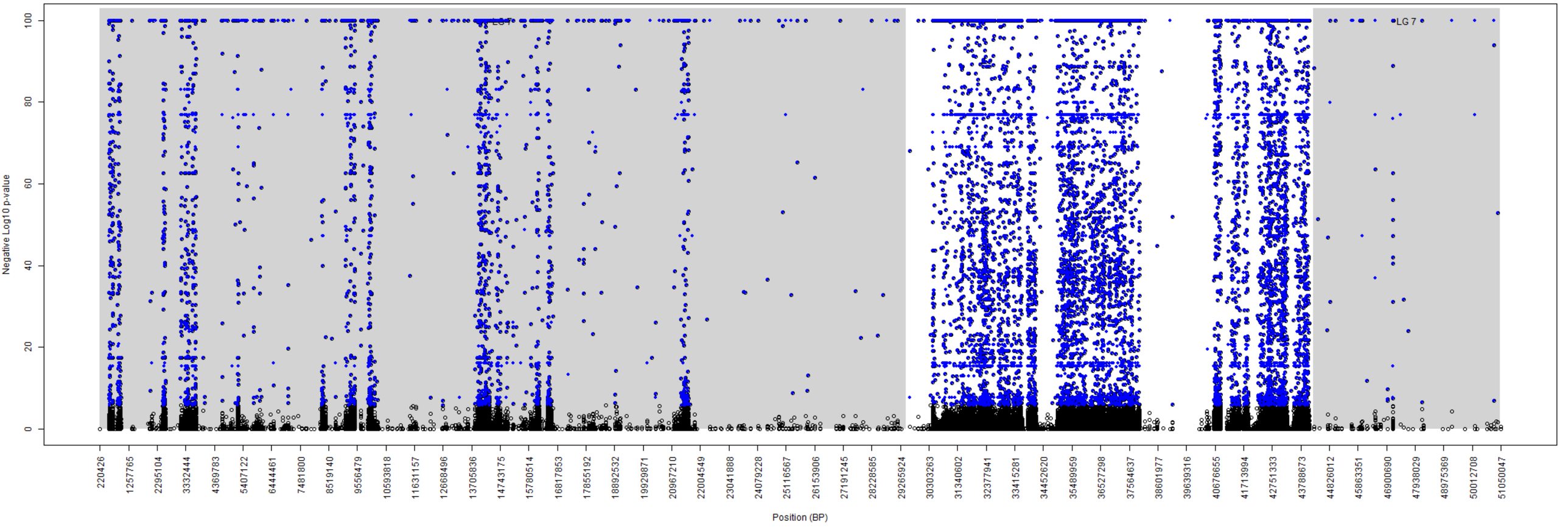
86600066
88613839
90627612
92641384
94655157
96668929
98682702
Position (BP)

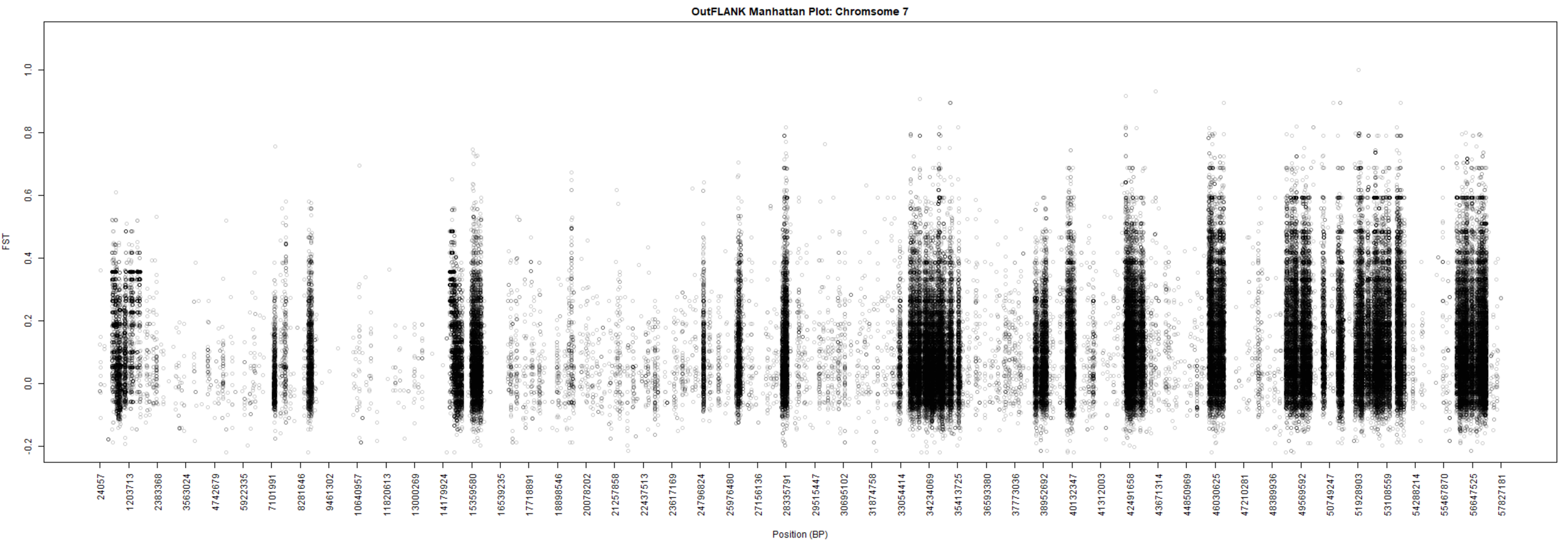

PCAdapt Manhattan Plot: Chromsome 5
Negative Log10 p-value
100
80
60
40
20
0
7845
2021618
4035390
6049163
8062935
10076708
12090481
14104253
16118026
18131798
20145571
22159344
24173116
26186889
28200661
30214434
32228206
34241979
36255752
38269524
40283297
42297069
44310842
46324615
48338387
50352160
52365932
54379705
56393478
58407250
60421023
62434795
64448568
66462341
68476113
70489886
72503658
74517431
76531203
78544976
80558749
82572521
84586294
86600066
88613839
90627612
92641384
94655157
96668929
98682702
Position (BP)

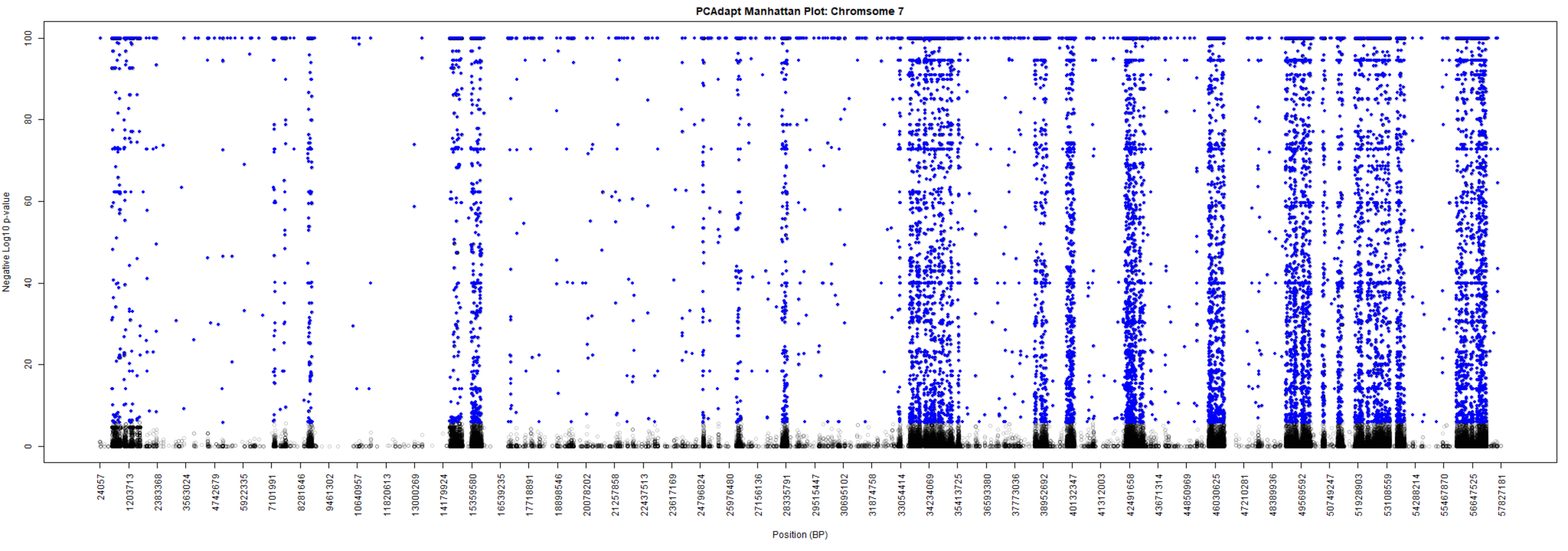
OutFLANK Manhattan Plot: Chromsome 6



PCAdapt Manhattan Plot: Chromsome 6




OutFLANK Manhattan Plot: Chromsome 7
FST
-0.2
0.0
0.2
0.4
0.6
0.8
1.0
24057
1203713
2383368
3563024
4742679
5922335
7101991
8281646
9461302
10640957
11820613
13000269
14179924
15359580
16539235
17718891
18898546
20078202
21257858
22437513
23617169
24796824
25976480
27156136
28335791
29515447
30695102
31874758
33054414
34234069
35413725
36593380
37773036
38952692
40132347
41312003
42491658
43671314
44850969
46030625
47210281
48389936
49569592
50749247
51928903
53108559
54288214
55467870
56647525
57827181
Position (BP)


PCAdapt Manhattan Plot: Chromsome 7
Negative Log10 p-value
0
20
40
60
80
100
24057
1203713
2383368
3563024
4742679
5922335
7101991
8281646
9461302
10640957
11820613
13000269
14179924
15359580
16539235
17718891
18898546
20078202
21257858
22437513
23617169
24796824
25976480
27156136
28335791
29515447
30695102
31874758
33054414
34234069
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36593380
37773036
38952692
40132347
41312003
42491658
43671314
44850969
46030625
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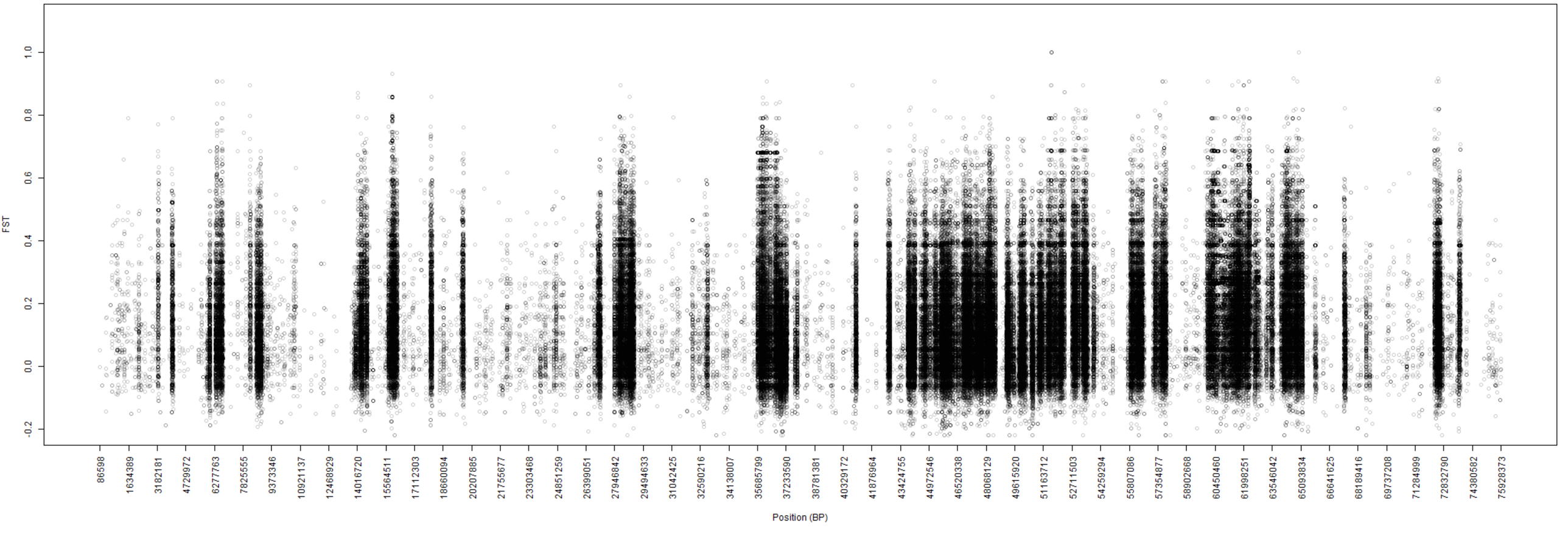
57827181
Position (BP)


OutFLANK Manhattan Plot: Chromsome 8
FST
-0.2
0.0
0.2
0.4
0.6
0.8
1.0
86598
1634389
3182181
4729972
6277763
7825555
9373346
10921137
12468929
14016720
15564511
17112303
18660094
20207885
21755677
23303468
24851259
26399051
27946842
29494633
31042425
32590216
34138007
35685799
37233590
38781381
40329172
41876964
43424755
44972546
46520338
48068129
49615920
51163712
52711503
54259294
55807086
57354877
58902668
60450460
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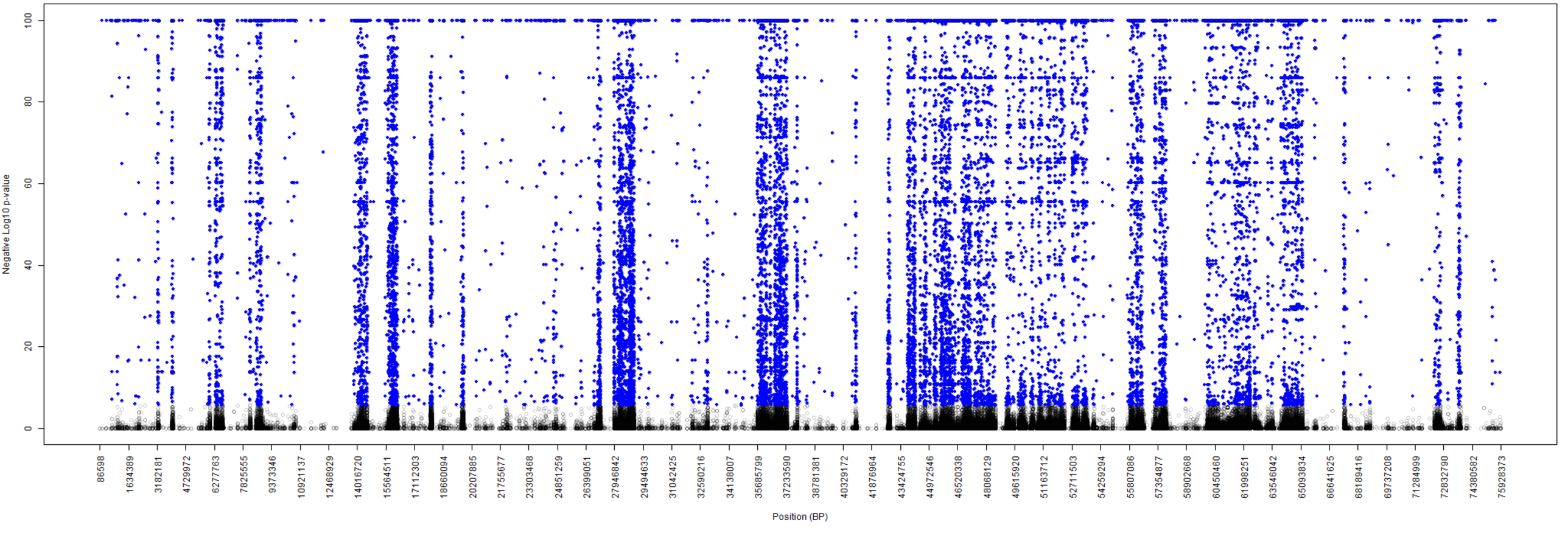
63546042
65093834
66641625
68189416
69737208
71284999
72832790
74380582
75928373
Position (BP)


PCAdapt Manhattan Plot: Chromsome 8
Negative Log10 p-value
0
20
40
60
80
100
86598
1634389
3182181
4729972
6277763
7825555
9373346
10921137
12468929
14016720
15564511
17112303
18660094
20207885
21755677
23303468
24851259
26399051
27946842
29494633
31042425
32590216
34138007
35685799
37233590
38781381
40329172
41876964
43424755
44972546
46520338
48068129
49615920
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52711503
54259294
55807086
57354877
58902668
60450460
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66641625
68189416
69737208
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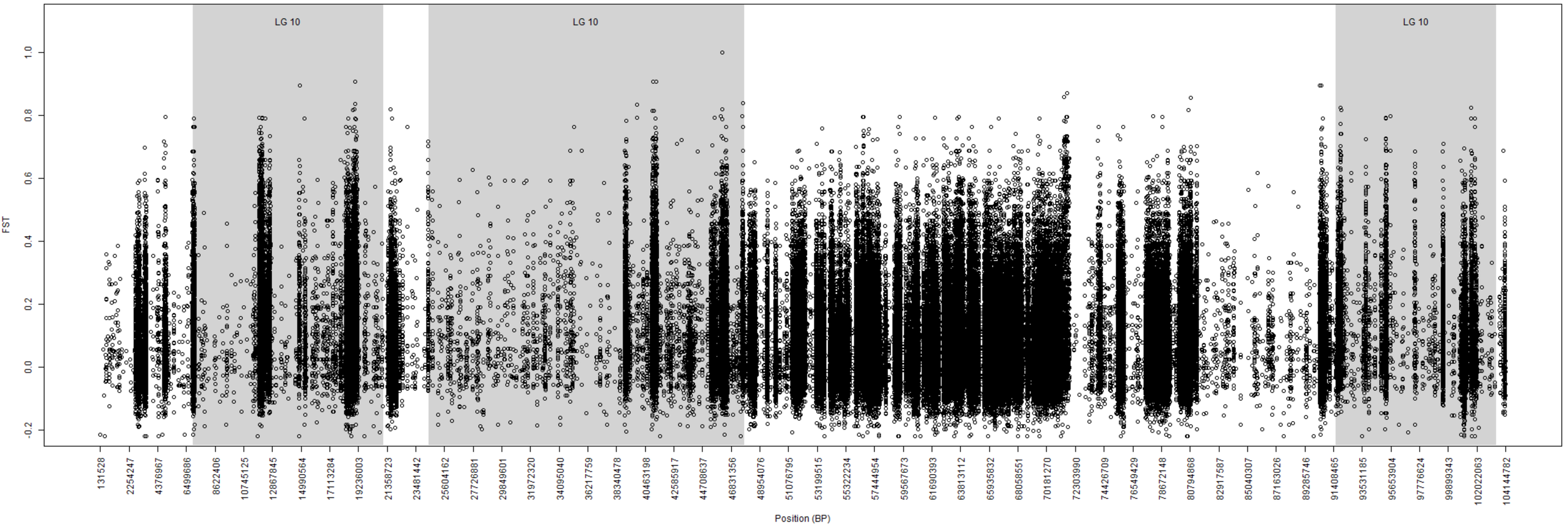
75928373
Position (BP)


OutFLANK Manhattan Plot: Chromsome 9
LG 10
LG 10
LG 10
FST
-0.2
0.0
0.2
0.4
0.6
0.8
1.0
131528
2254247
4376967
6499686
8622406
10745125
12867845
14990564
17113284
19236003
21358723
23481442
25604162
27726881
29849601
31972320
34095040
36217759
38340478
40463198
42585917
44708637
46831356
48954076
51076795
53199515
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57444954
59567673
61690393
63813112
65935832
68058551
70181270
72303990
74426709
76549429
78672148
80794868
82917587
85040307
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91408465
93531185
95653904
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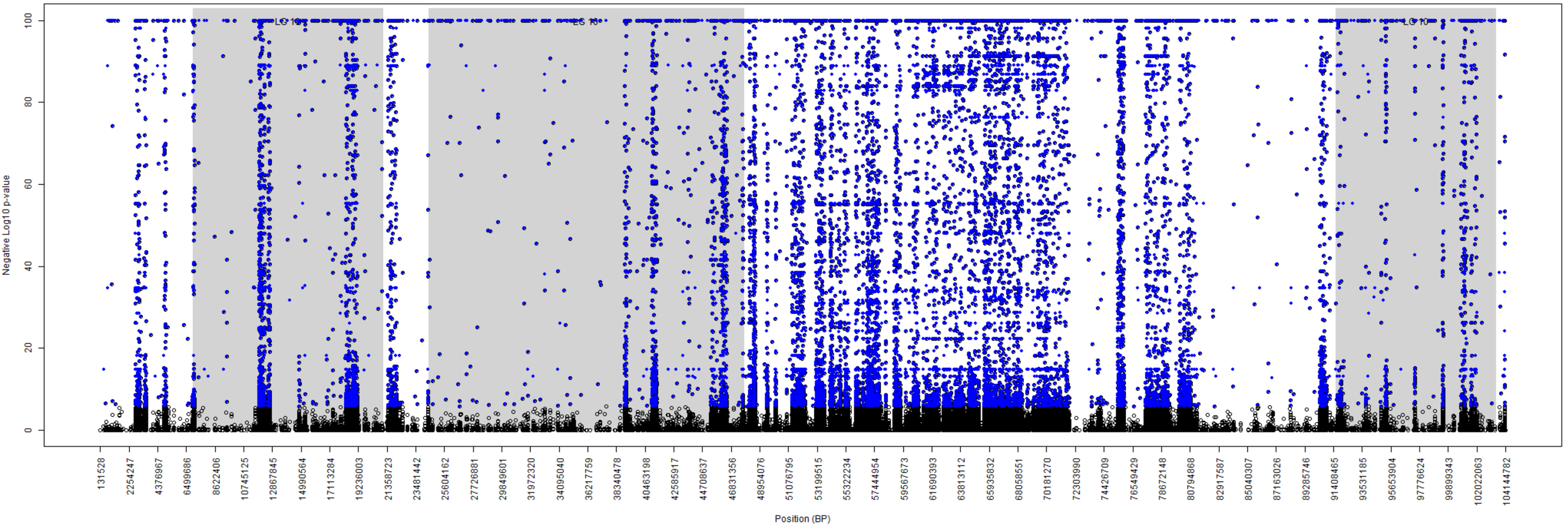
99899343
102022063
104144782
Position (BP)


PCAdapt Manhattan Plot: Chromsome 9
LG 10
LG 10
LG 10
Negative Log10 p-value
0
20
40
60
80
100
131528
2254247
4376967
6499686
8622406
10745125
12867845
14990564
17113284
19236003
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25604162
27726881
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36217759
38340478
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42585917
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46831356
48954076
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53199515
55322234
57444954
59567673
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70181270
72303990
74426709
76549429
78672148
80794868
82917587
85040307
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91408465
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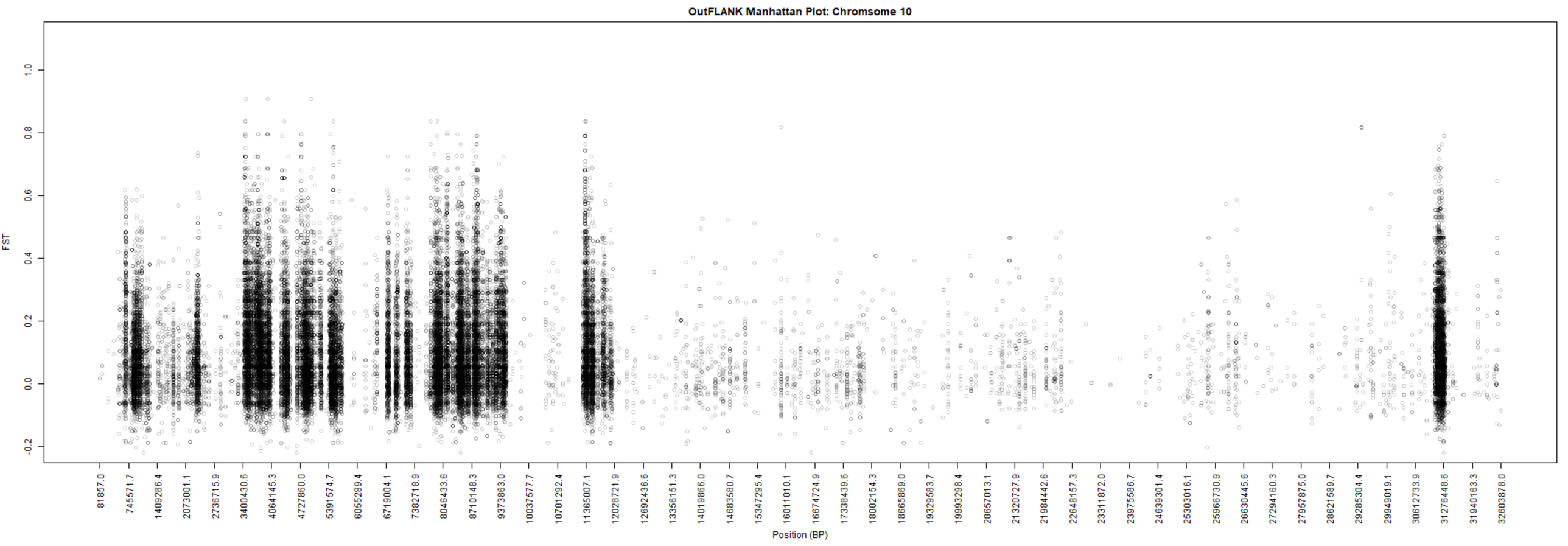
95653904
97776624
99899343
102022063
104144782
Position (BP)


OutFLANK Manhattan Plot: Chromsome 10
FST
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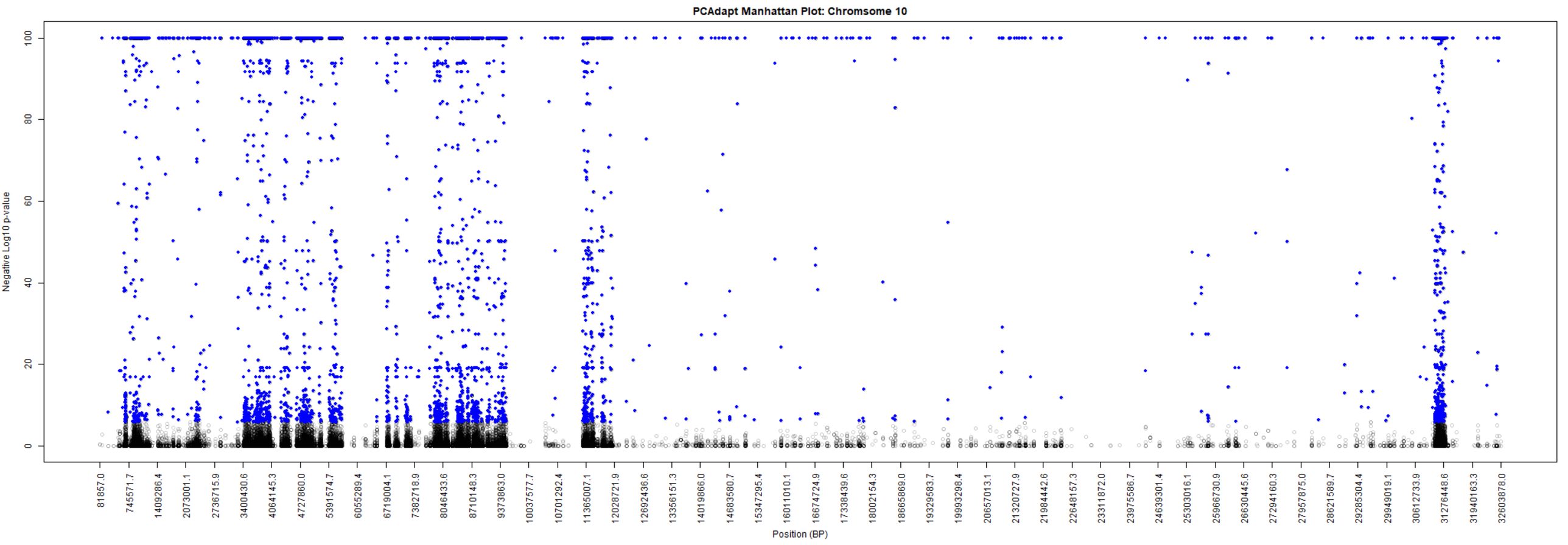
0.8
0.6
0.4
0.2
0.0
-0.2
81857.0
745571.7
1409286.4
2073001.1
2736715.9
3400430.6
4064145.3
4727860.0
5391574.7
6055289.4
6719004.1
7382718.9
8046433.6
8710148.3
9373863.0
10037577.7
10701292.4
11365007.1
12028721.9
12692436.6
13356151.3
14019866.0
14683580.7
15347295.4
16011010.1
16674724.9
17338439.6
18002154.3
18665869.0
19329583.7
19993298.4
20657013.1
21320727.9
21984442.6
22648157.3
23311872.0
23975586.7
24639301.4
25303016.1
25966730.9
26630445.6
27294160.3
27957875.0
28621589.7
29285304.4
29949019.1
30612733.9
31276448.6
31940163.3
32603878.0
Position (BP)


PCAdapt Manhattan Plot: Chromsome 10
Negative Log10 p-value
100
80
60
40
20
0
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745571.7
1409286.4
2073001.1
2736715.9
3400430.6
4064145.3
4727860.0
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6055289.4
6719004.1
7382718.9
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8710148.3
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13356151.3
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17338439.6
18002154.3
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19329583.7
19993298.4
20657013.1
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21984442.6
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30612733.9
31276448.6
31940163.3
32603878.0
Position (BP)