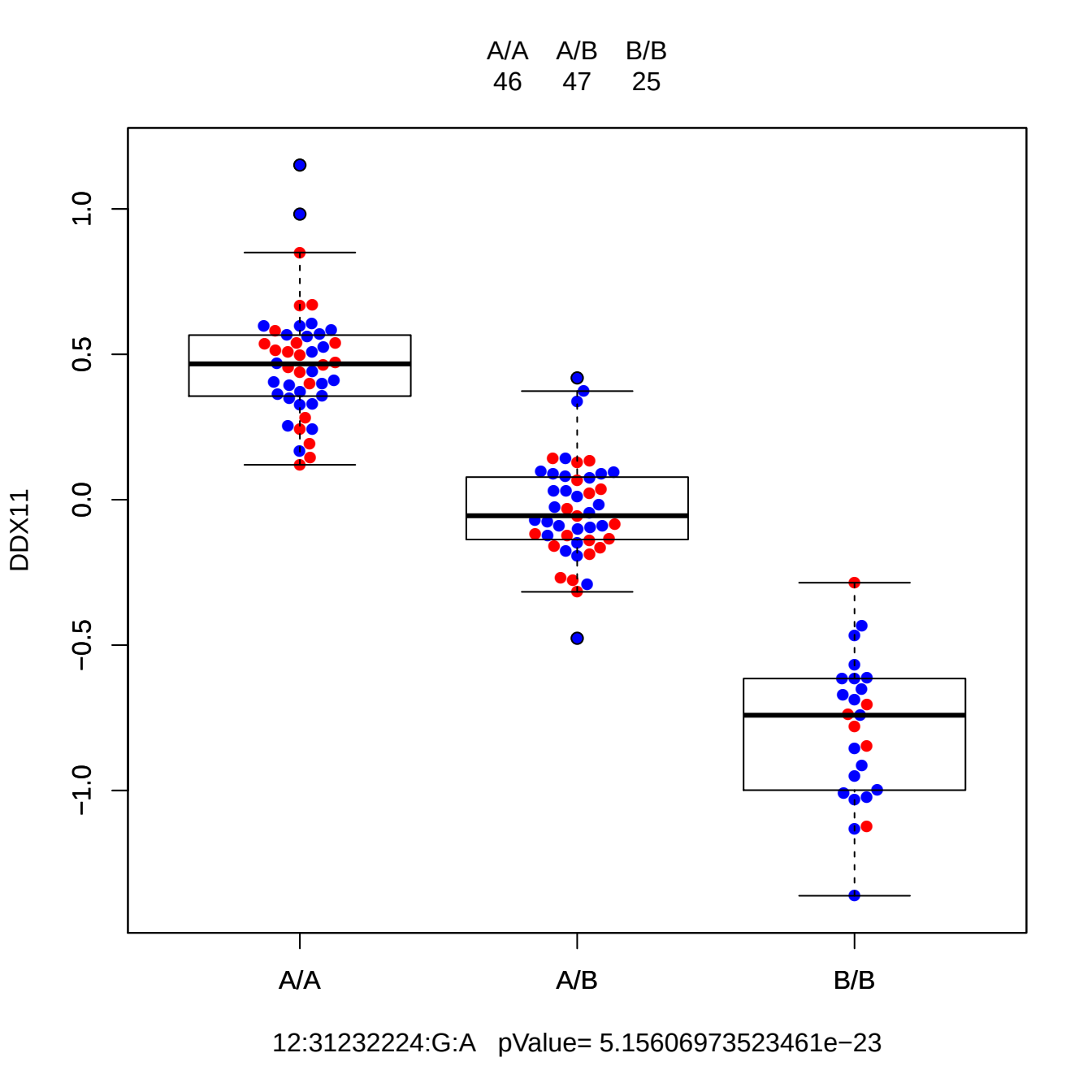
A/A A/B B/B
46 47 25
DDX11
1.0
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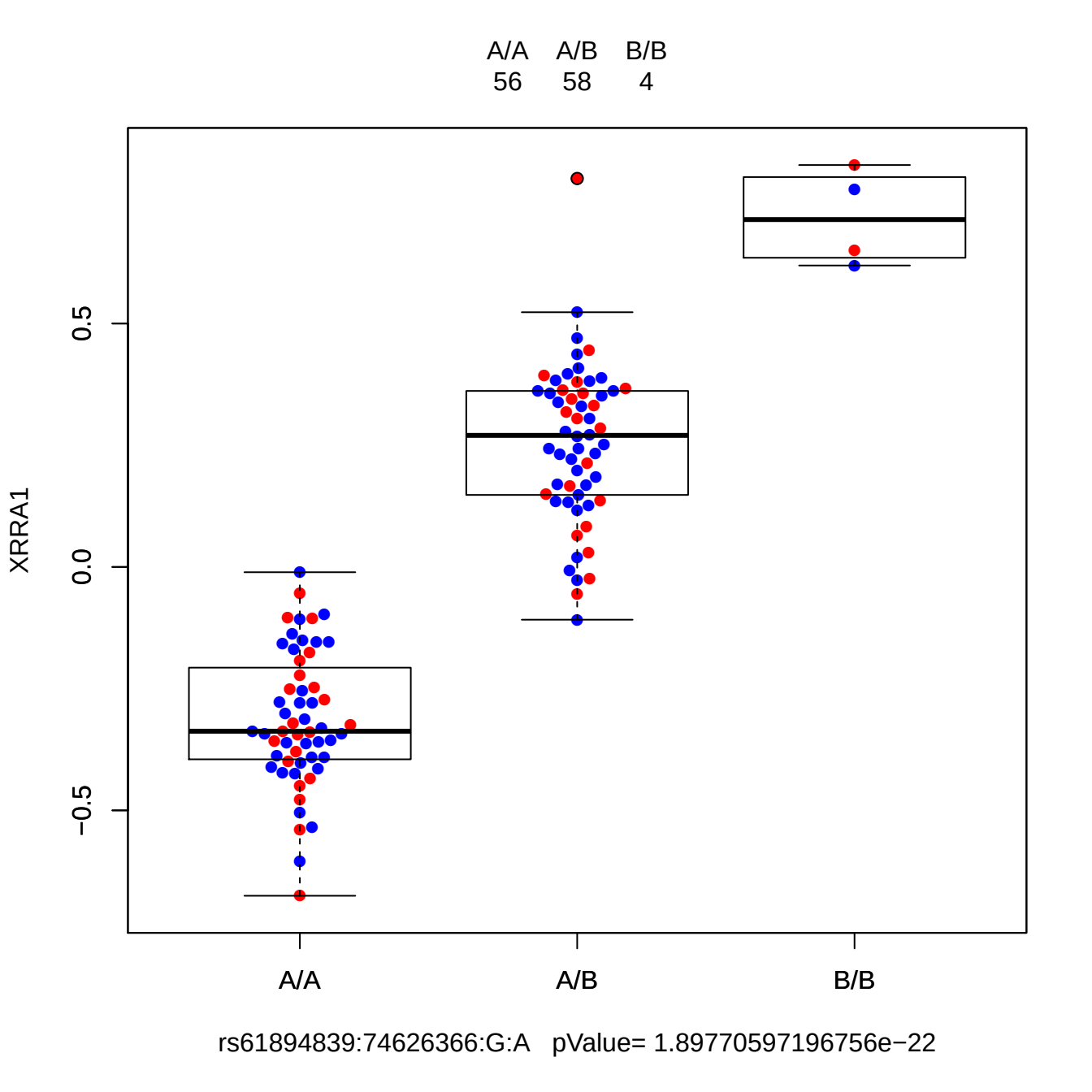
−1.0
A/A
A/B
B/B
12:31232224:G:A pValue= 5.15606973523461e−23


A/A A/B B/B
56 58 4
XRRA1
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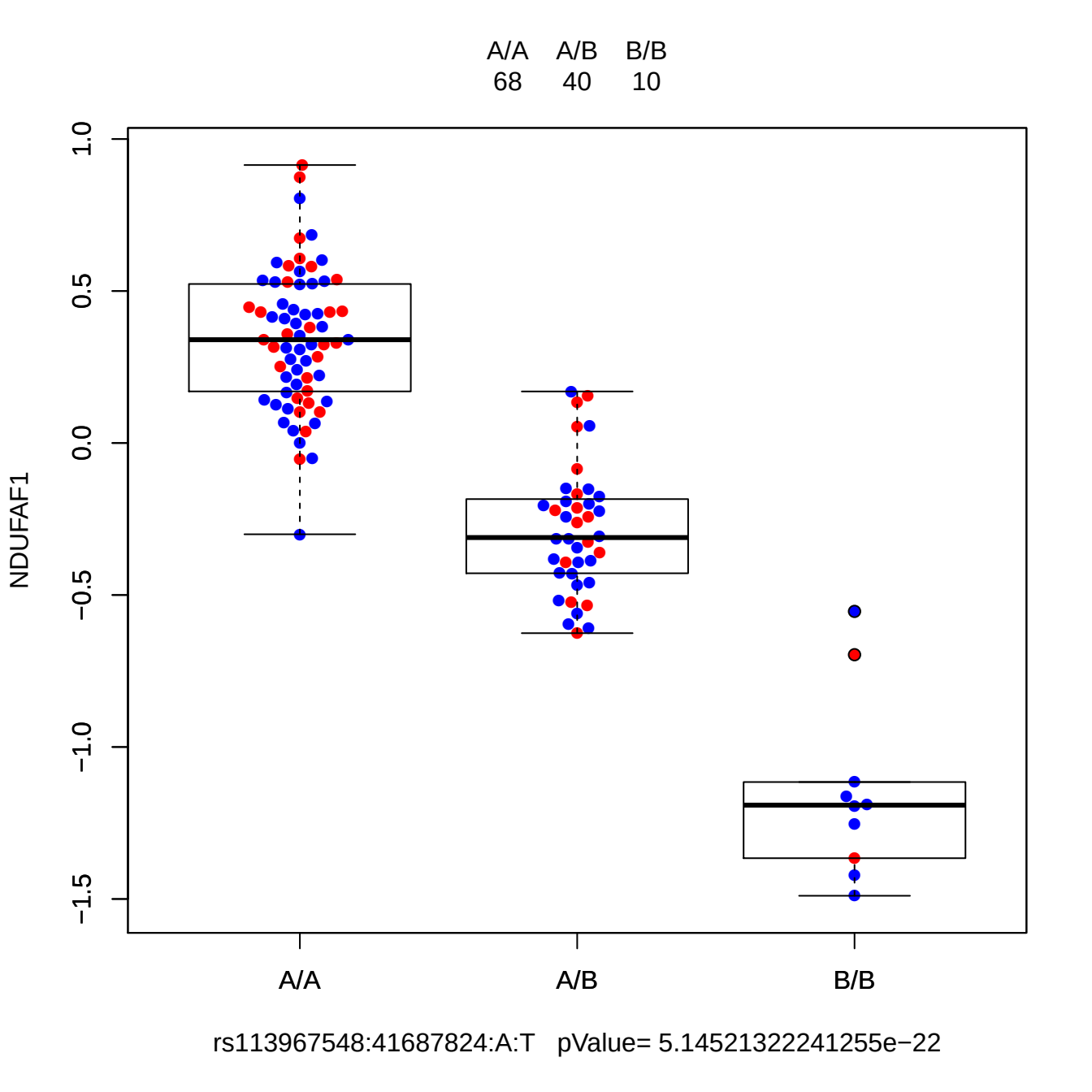
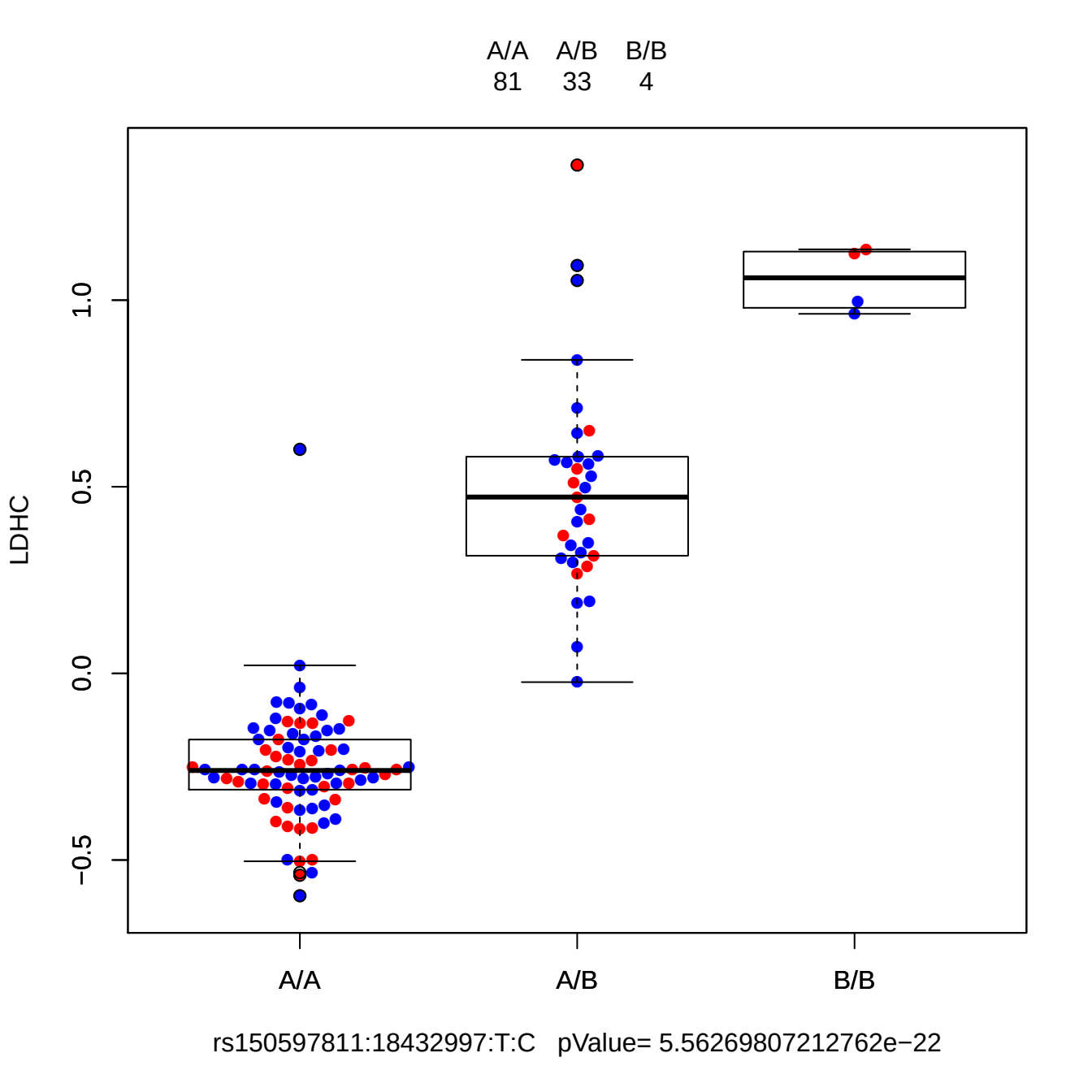
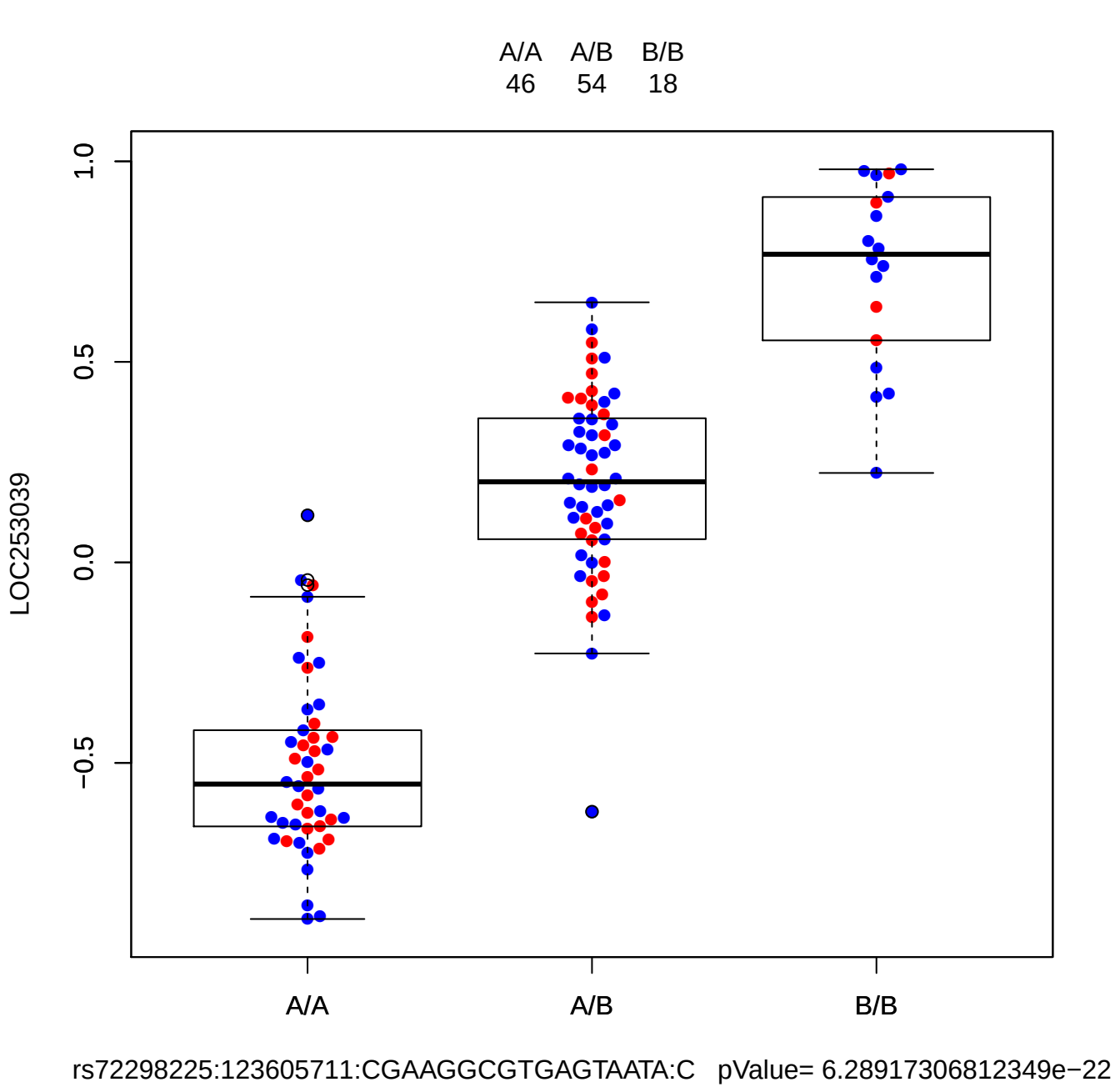
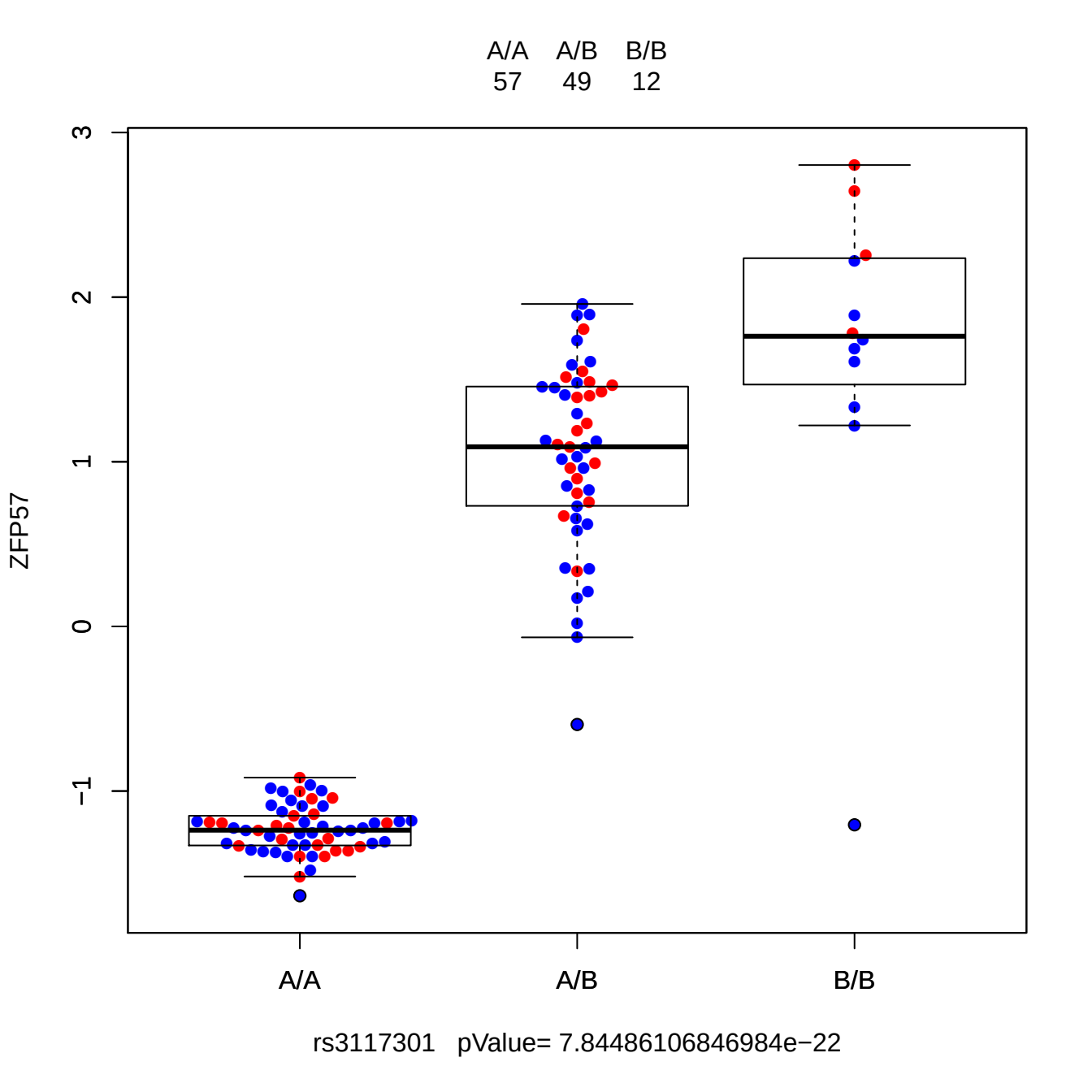
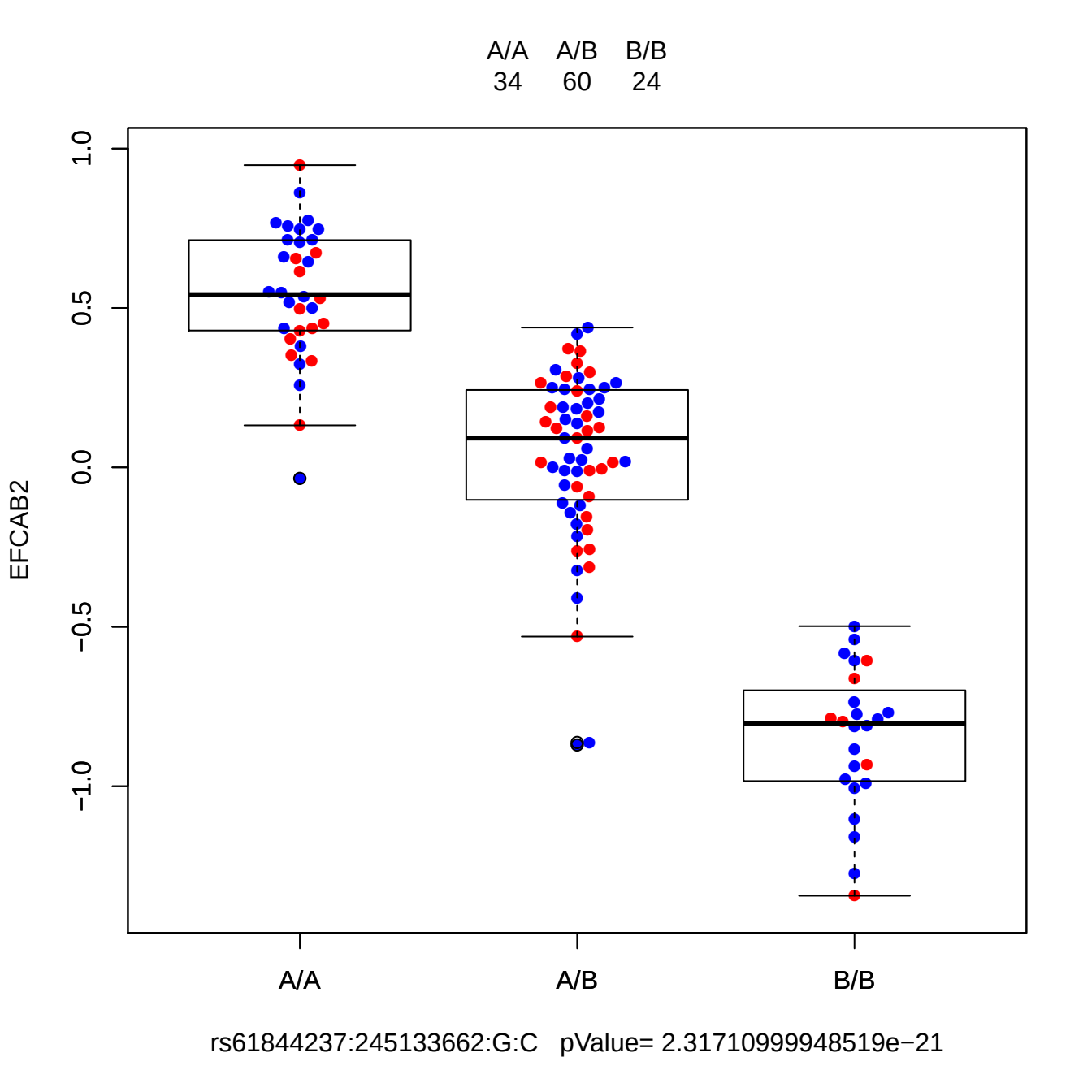
0.0
−0.5
A/A
A/B
B/B
rs61894839:74626366:G:A pValue= 1.89770597196756e−22

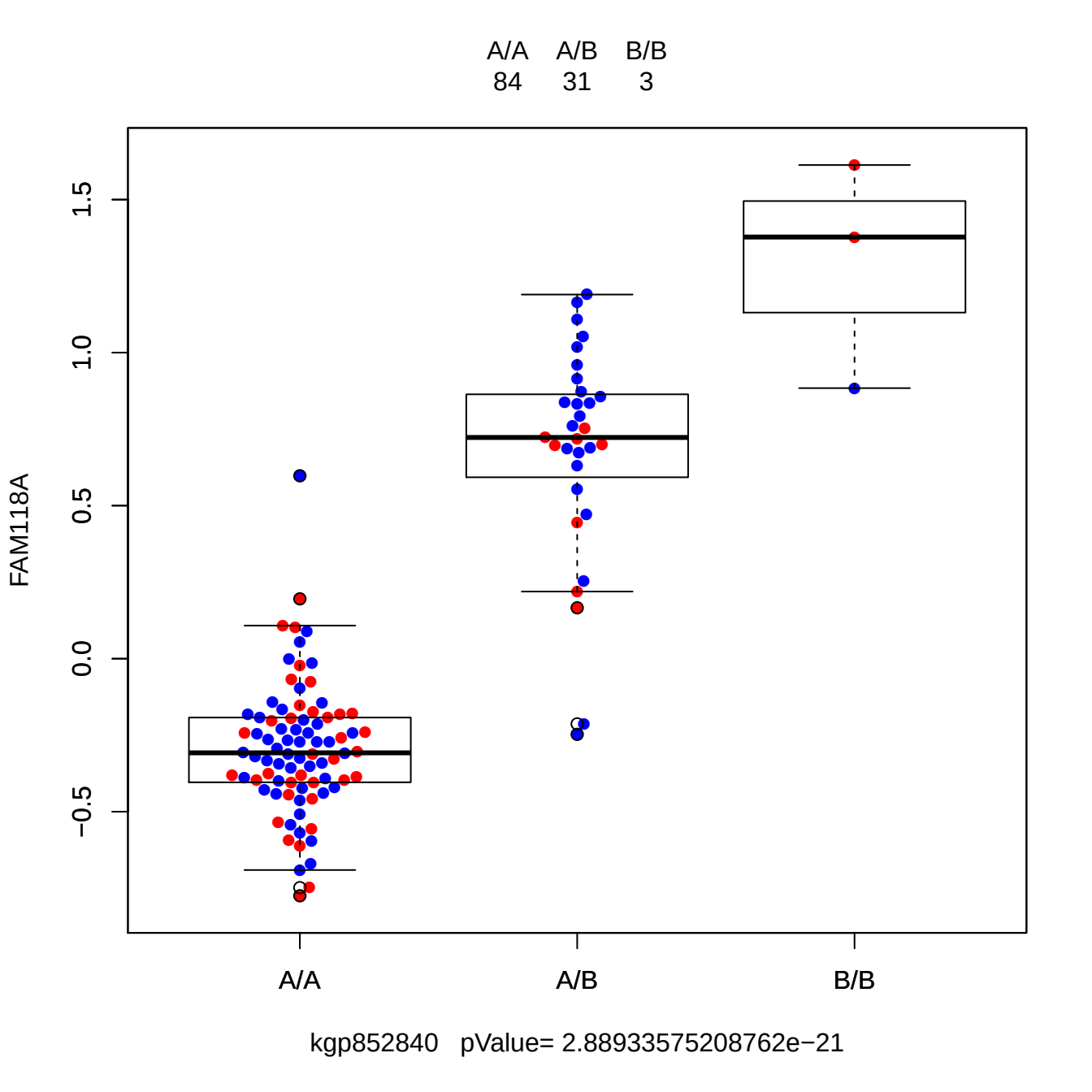

A/A A/B B/B
68 40 10
NDUFAF1
1.0
0.5
0.0
−0.5
−1.0
−1.5
A/A
A/B
B/B
rs113967548:41687824:A:T pValue= 5.14521322241255e−22

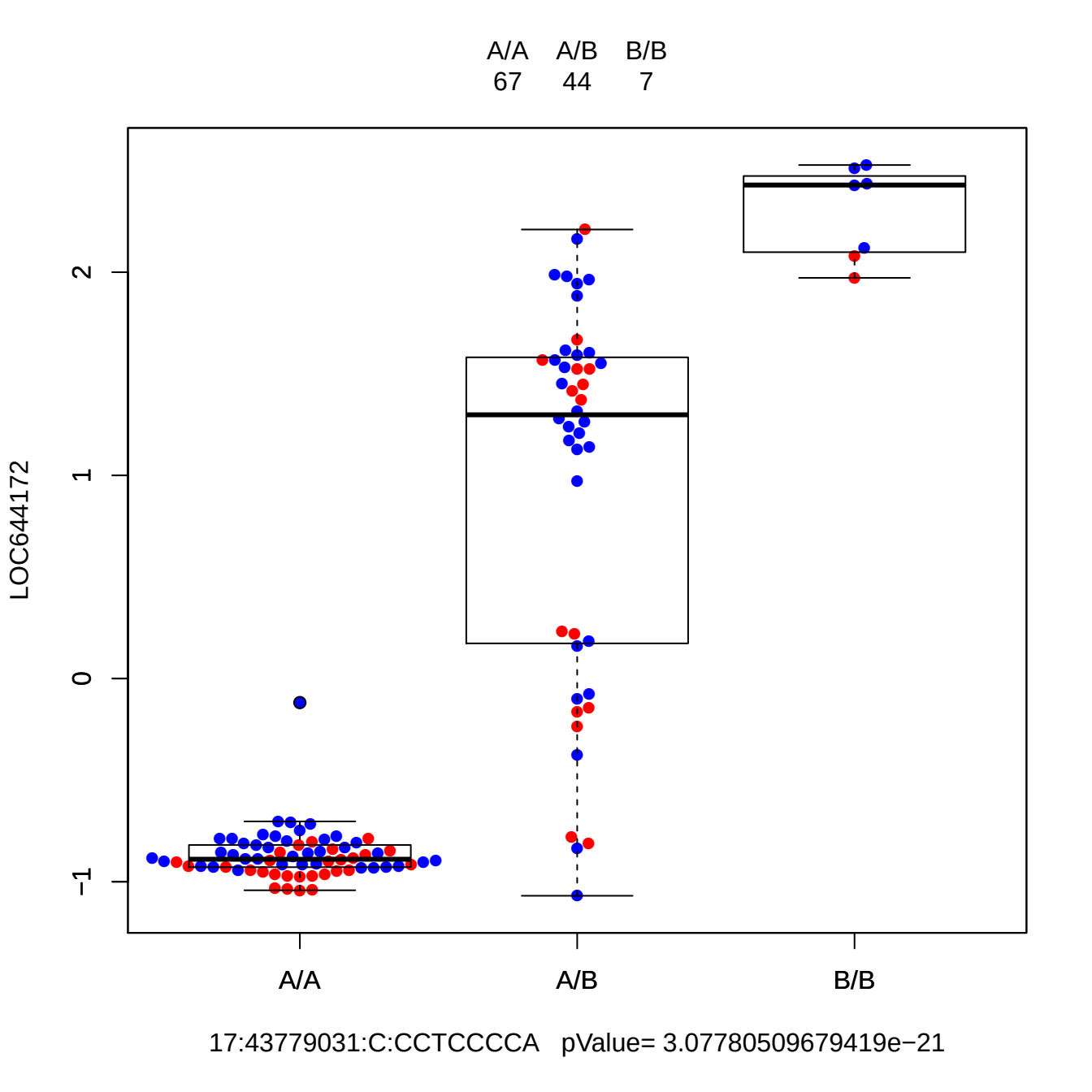

A/A A/B B/B
81 33 4
LDHC
1.0
0.5
0.0
−0.5
A/A
A/B
B/B
rs150597811:18432997:T:C pValue= 5.56269807212762e−22

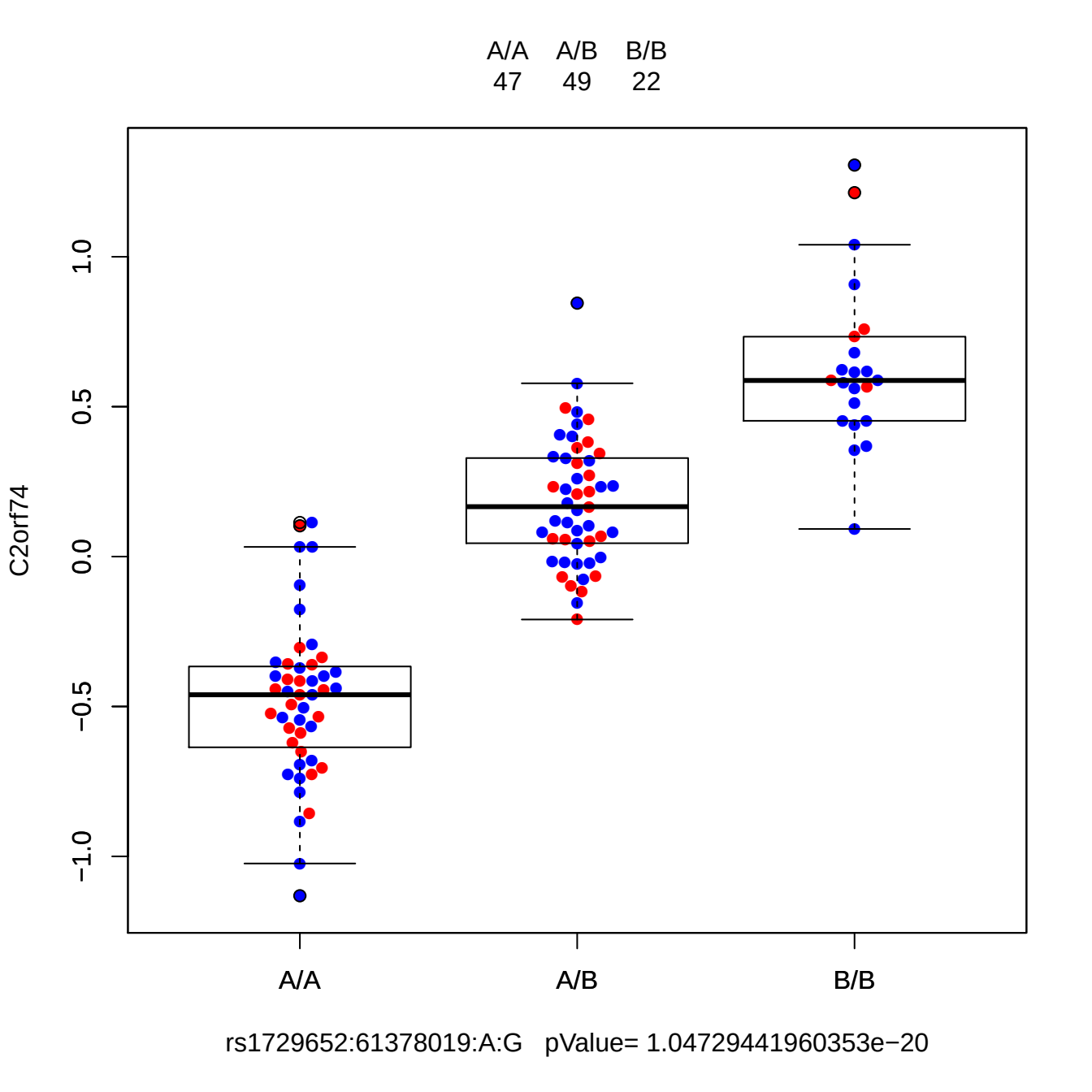

A/A A/B B/B
46 54 18
LOC253039
1.0
0.5
0.0
−0.5
A/A
A/B
B/B
rs72298225:123605711:CGAAGGCGTGAGTAATA:C pValue= 6.28917306812349e−22

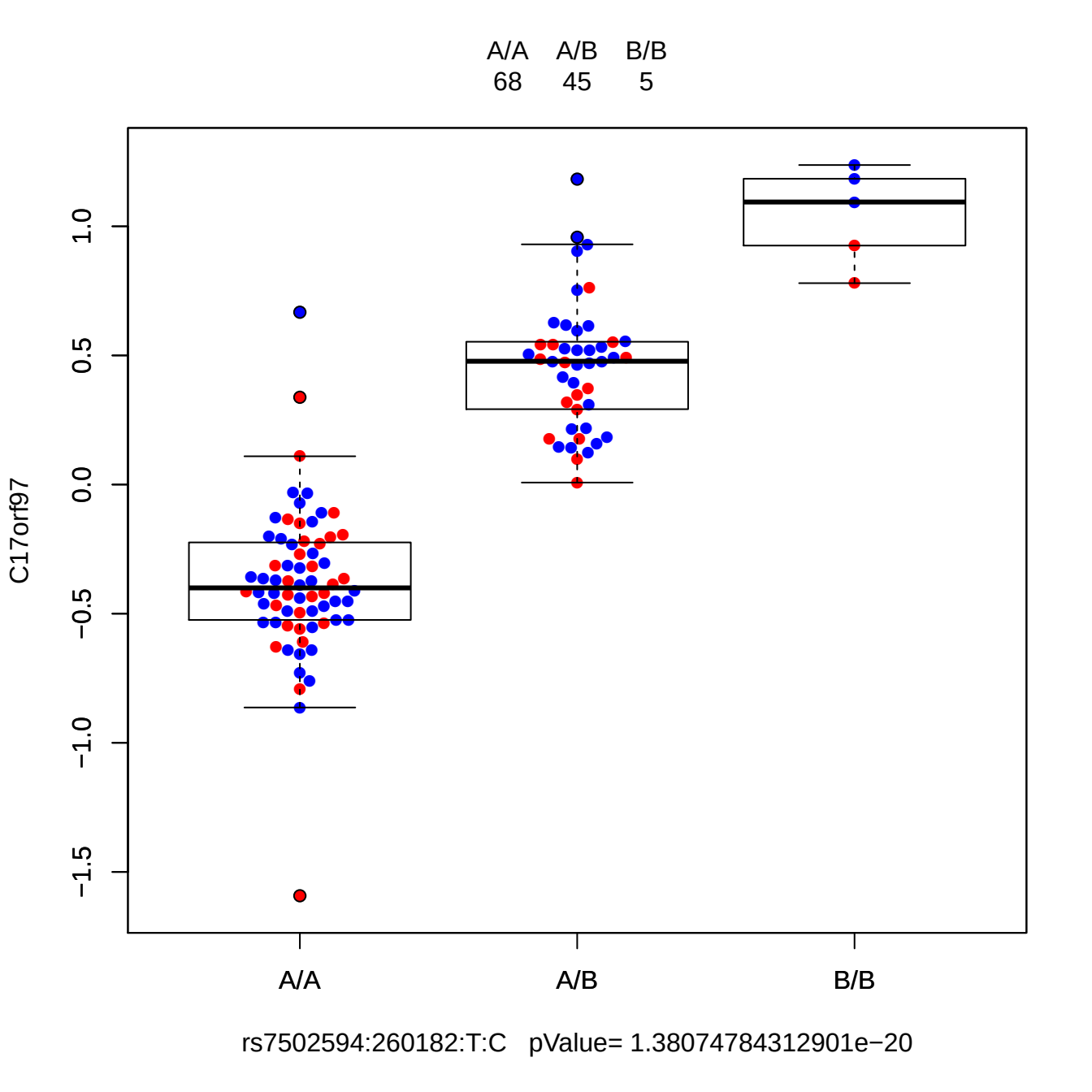

A/A A/B B/B
57 49 12
ZFP57
3
2
1
0
−1
A/A
A/B
B/B
rs3117301 pValue= 7.84486106846984e−22

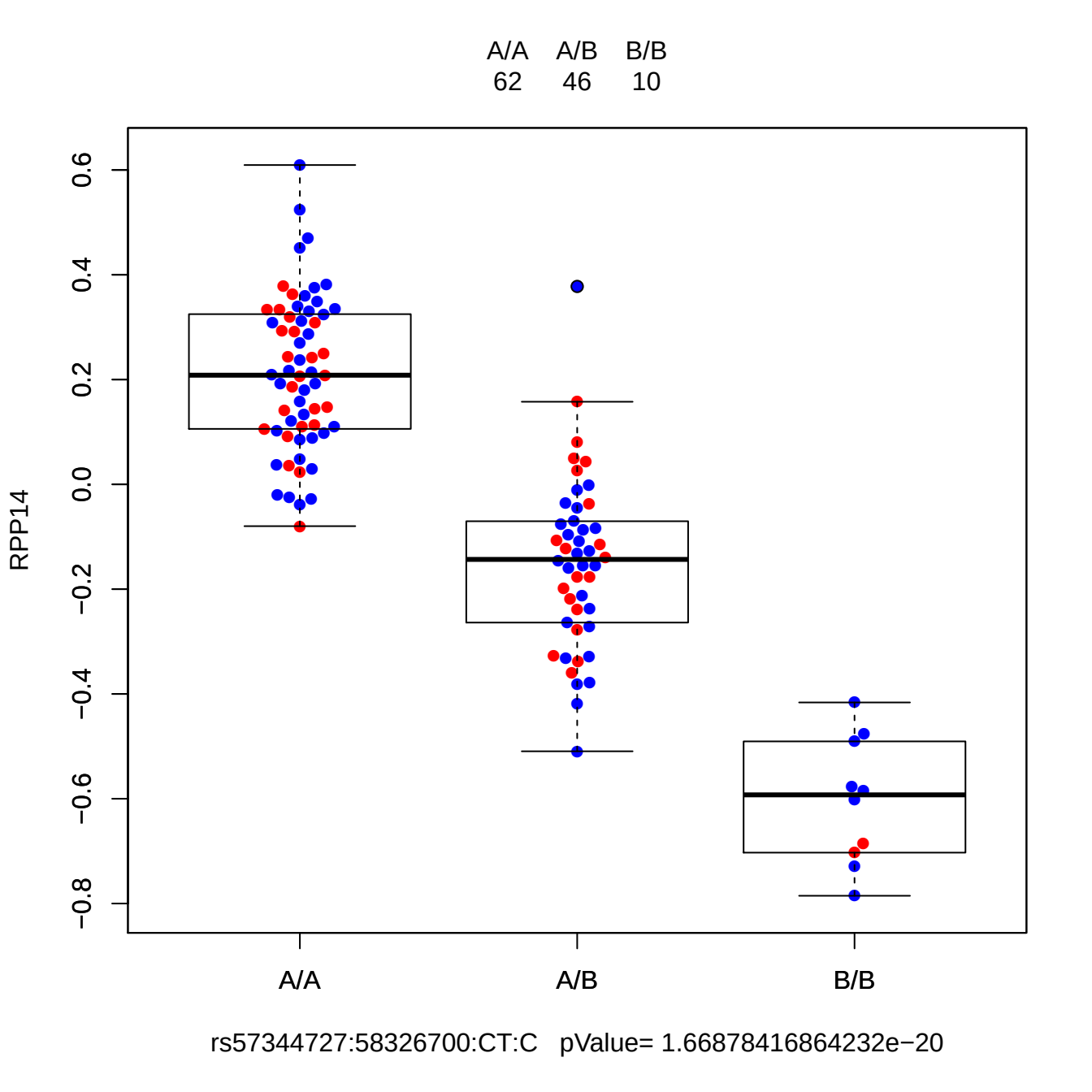

A/A A/B B/B
34 60 24
EFCAB2
1.0
0.5
0.0
−0.5
−1.0
A/A
A/B
B/B
rs61844237:245133662:G:C pValue= 2.31710999948519e−21

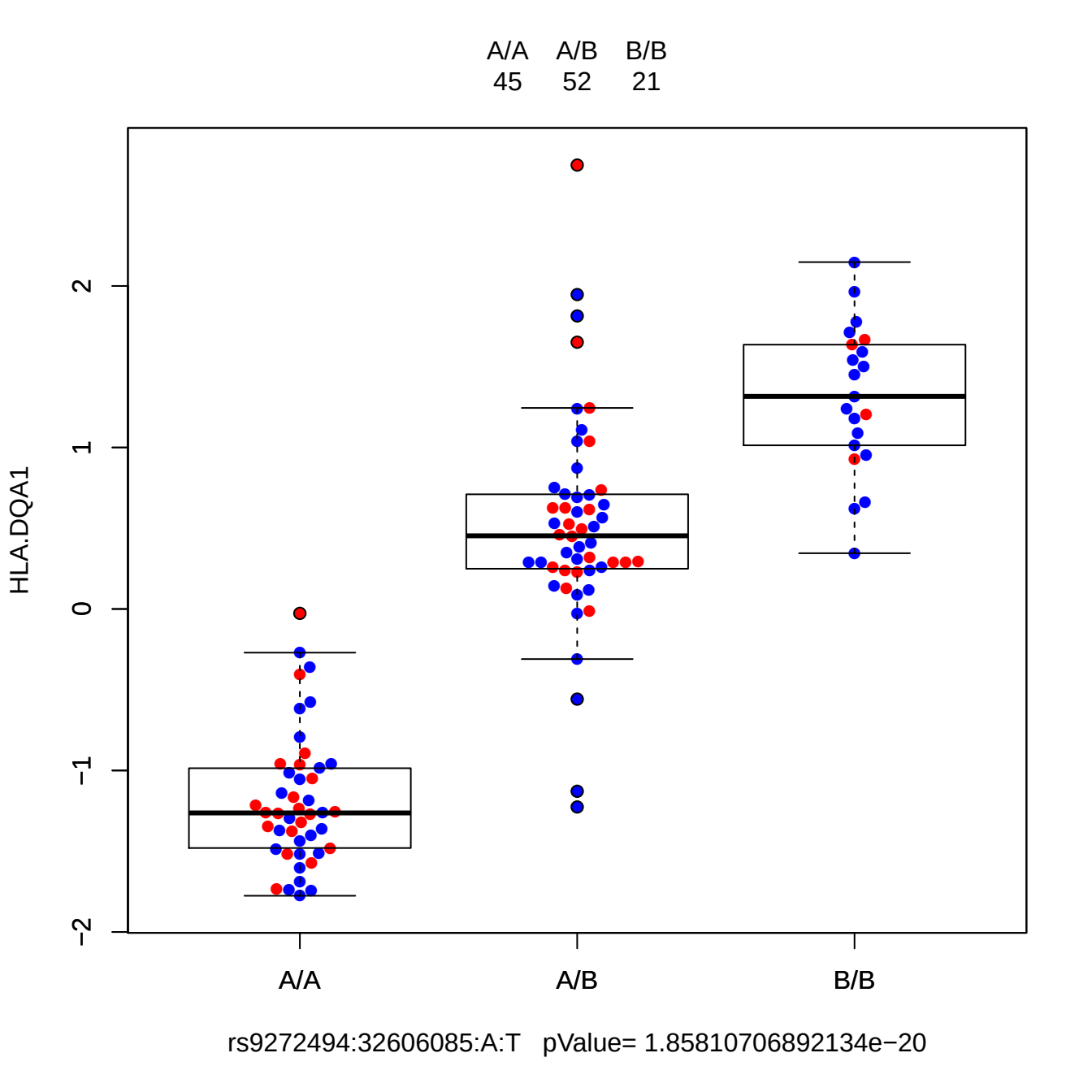

A/A A/B B/B
84 31 3
FAM118A
1.5
1.0
0.5
0.0
−0.5
A/A
A/B
B/B
kgp852840 pValue= 2.88933575208762e−21


A/A A/B B/B
67 44 7
LOC644172
2
1
0
−1
A/A
A/B
B/B
17:43779031:C:CCTCCCCA pValue= 3.07780509679419e−21


A/A A/B B/B
47 49 22
C2orf74
1.0
0.5
0.0
−0.5
−1.0
A/A
A/B
B/B
rs1729652:61378019:A:G pValue= 1.04729441960353e−20


A/A A/B B/B
68 45 5
C17orf97
1.0
0.5
0.0
−0.5
−1.0
−1.5
A/A
A/B
B/B
rs7502594:260182:T:C pValue= 1.38074784312901e−20


A/A A/B B/B
62 46 10
RPP14
0.6
0.4
0.2
0.0
−0.2
−0.4
−0.6
−0.8
A/A
A/B
B/B
rs57344727:58326700:CT:C pValue= 1.66878416864232e−20


A/A A/B B/B
45 52 21
HLA.DQA1
2
1
0
−1
−2
A/A
A/B
B/B
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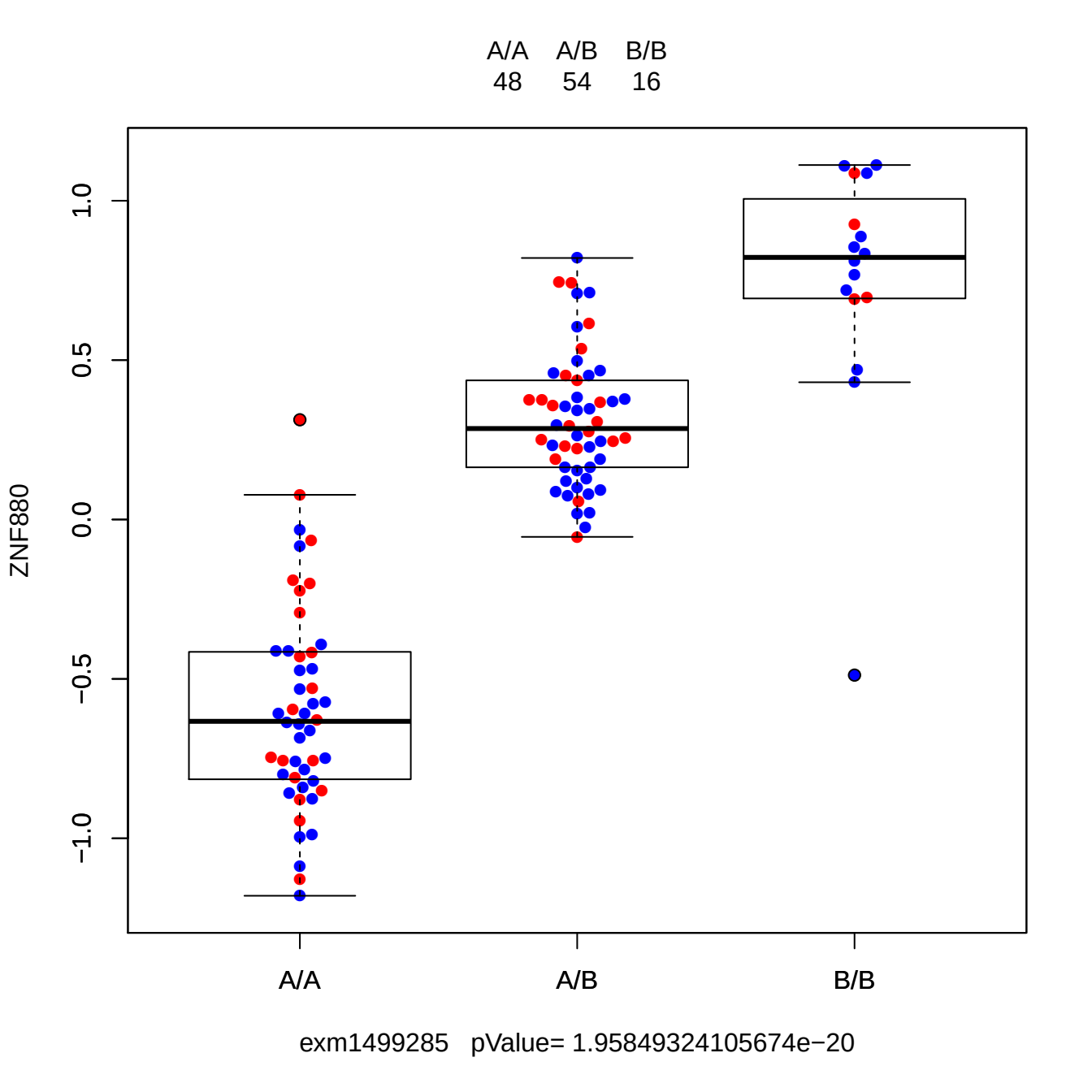
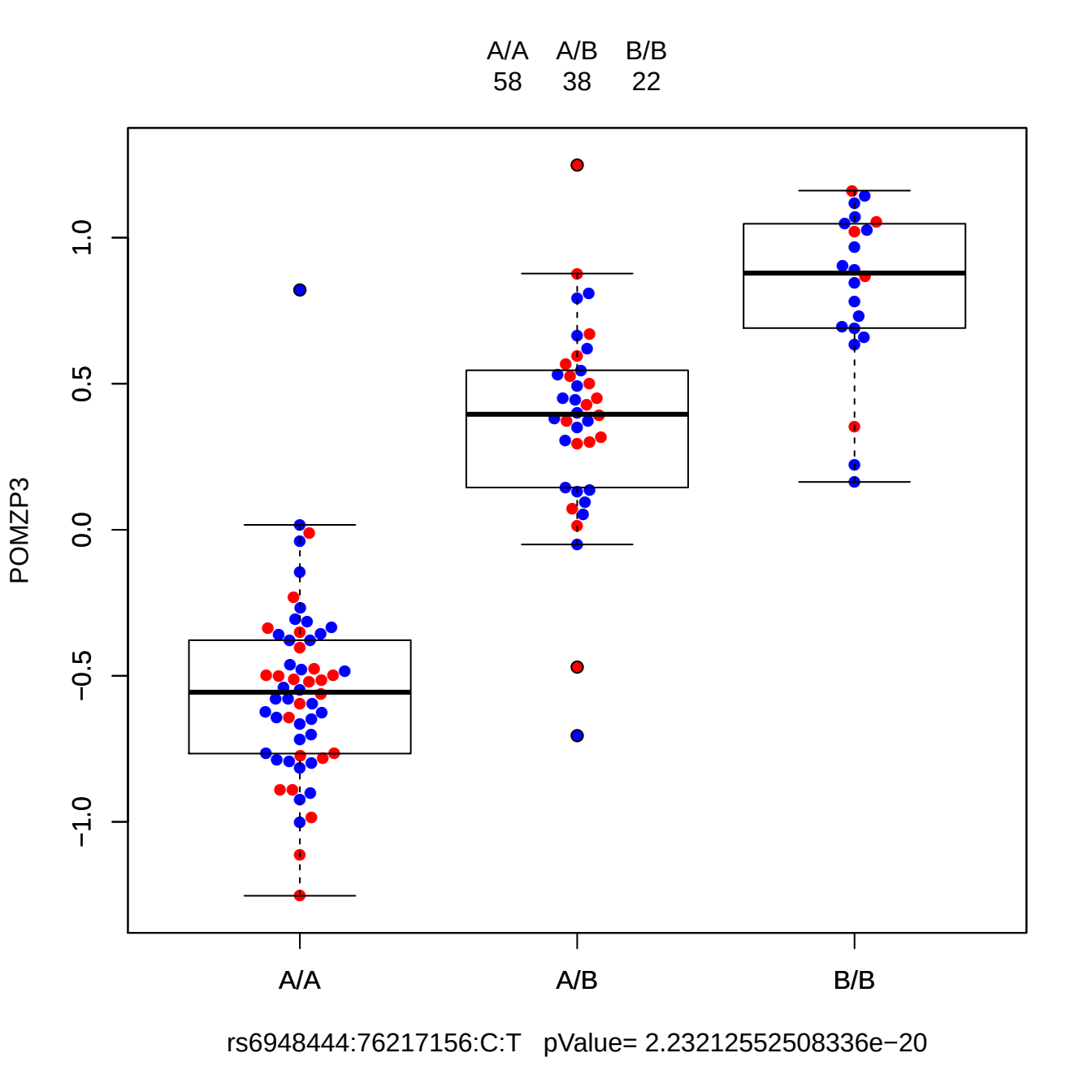
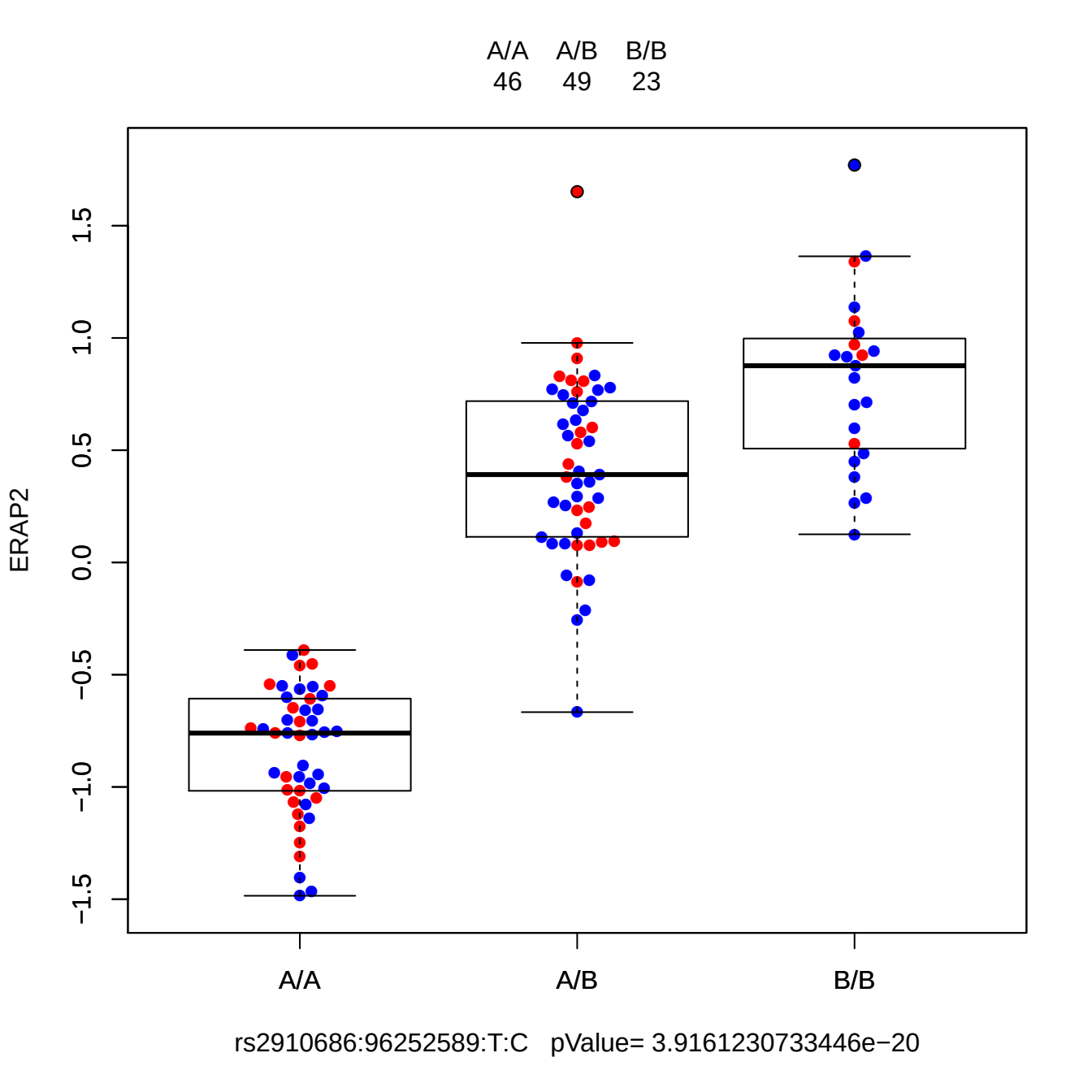
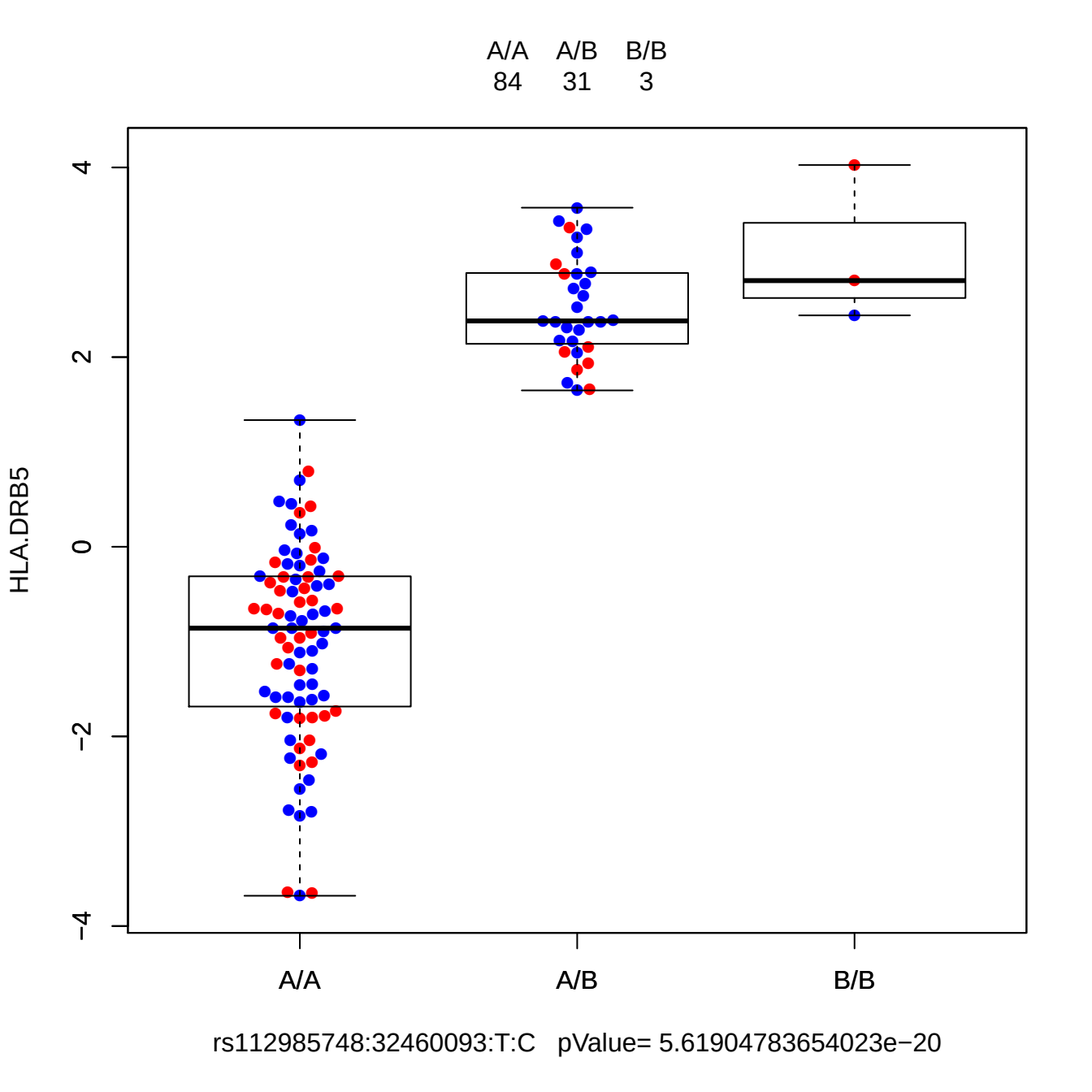
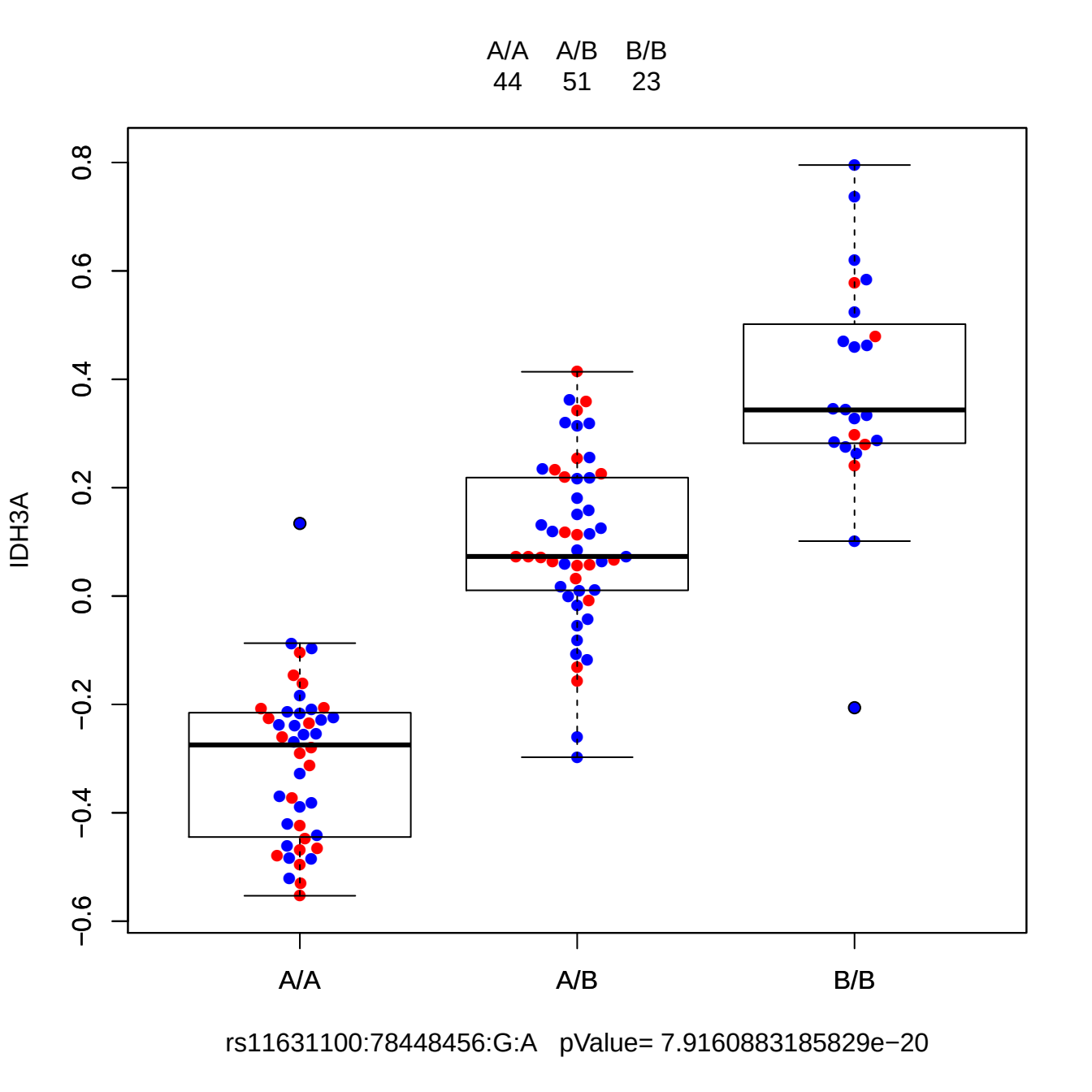
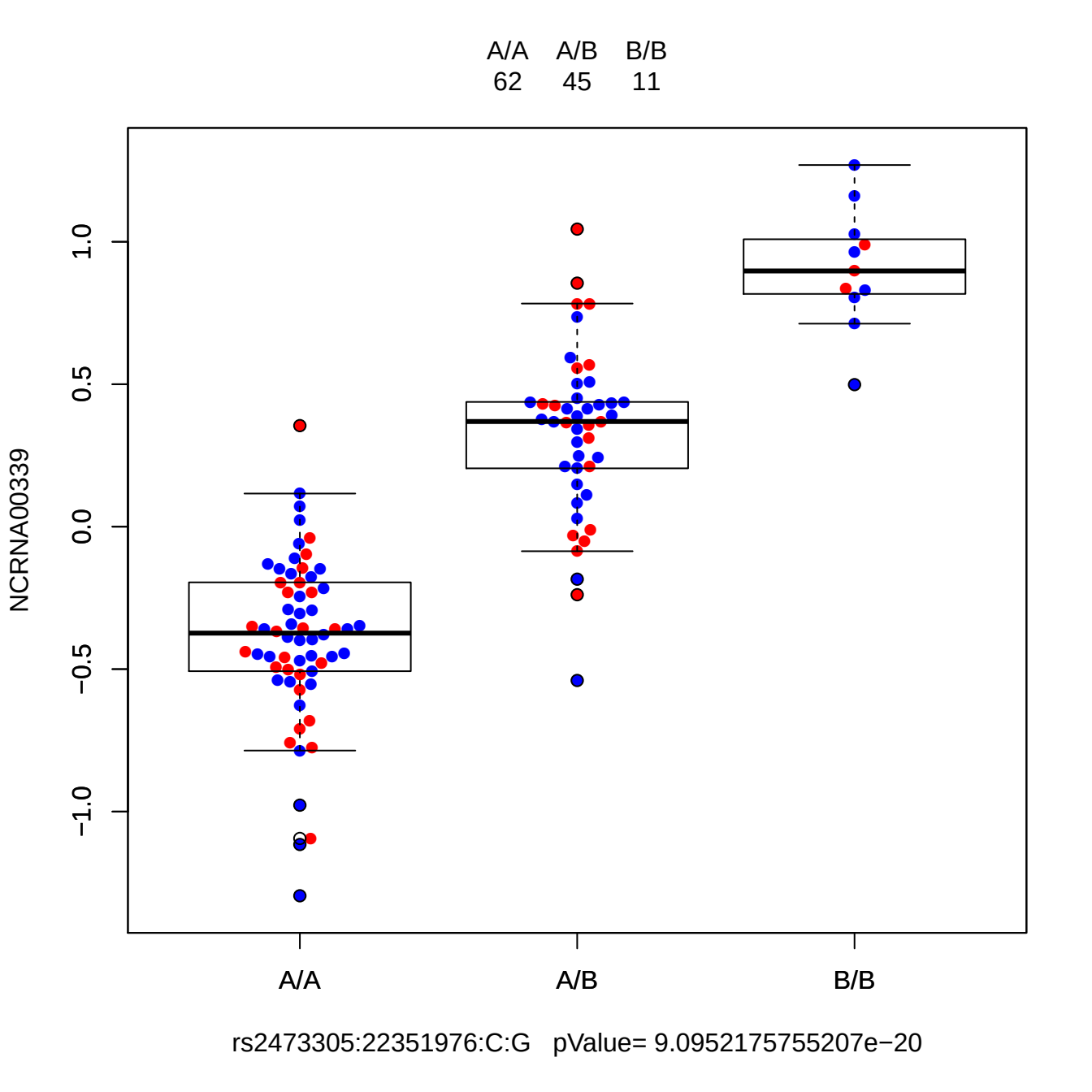

A/A A/B B/B
48 54 16
ZNF880
1.0
0.5
0.0
−0.5
−1.0
A/A
A/B
B/B
exm1499285 pValue= 1.95849324105674e−20

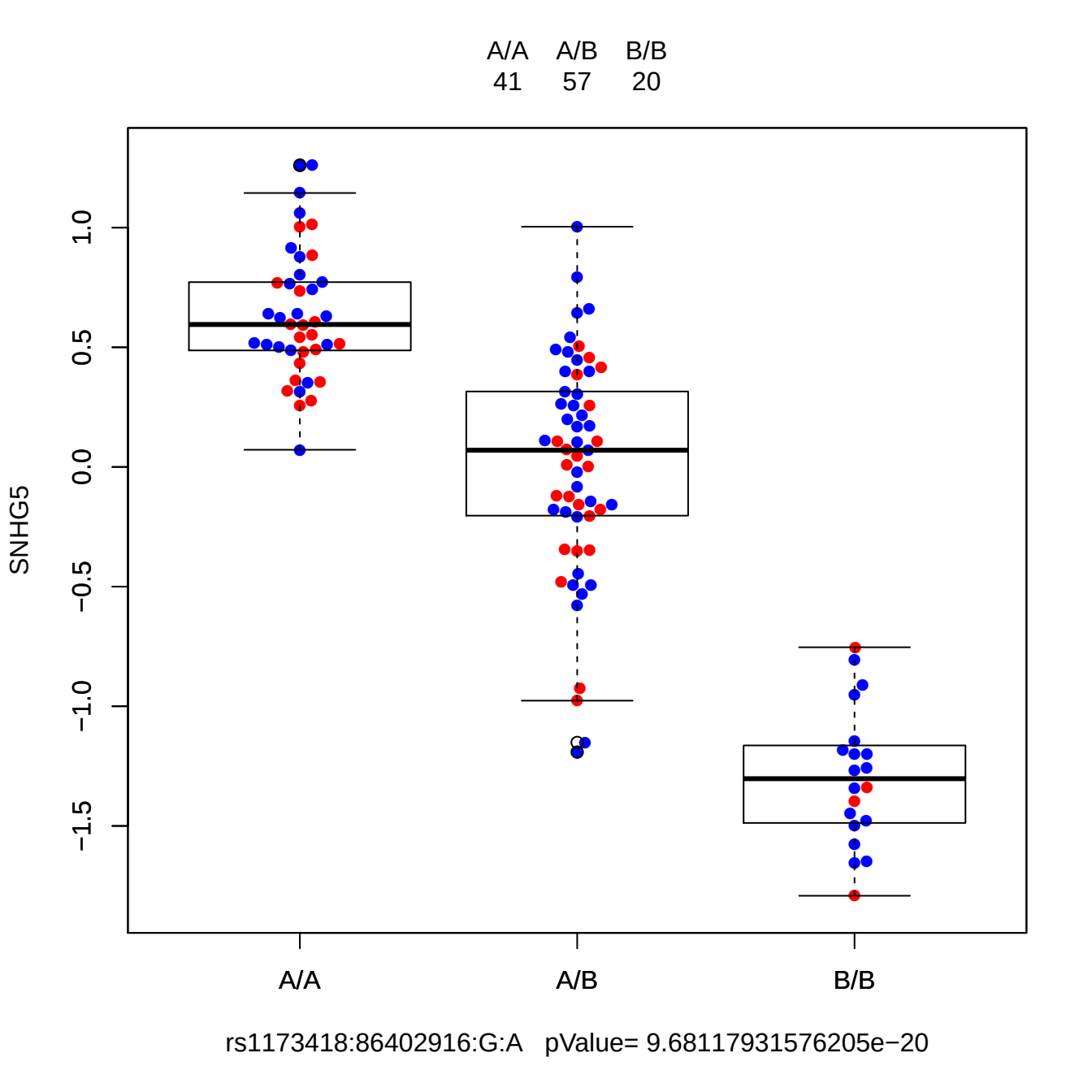

A/A A/B B/B
58 38 22
POMZP3
1.0
0.5
0.0
−0.5
−1.0
A/A
A/B
B/B
rs6948444:76217156:C:T pValue= 2.23212552508336e−20

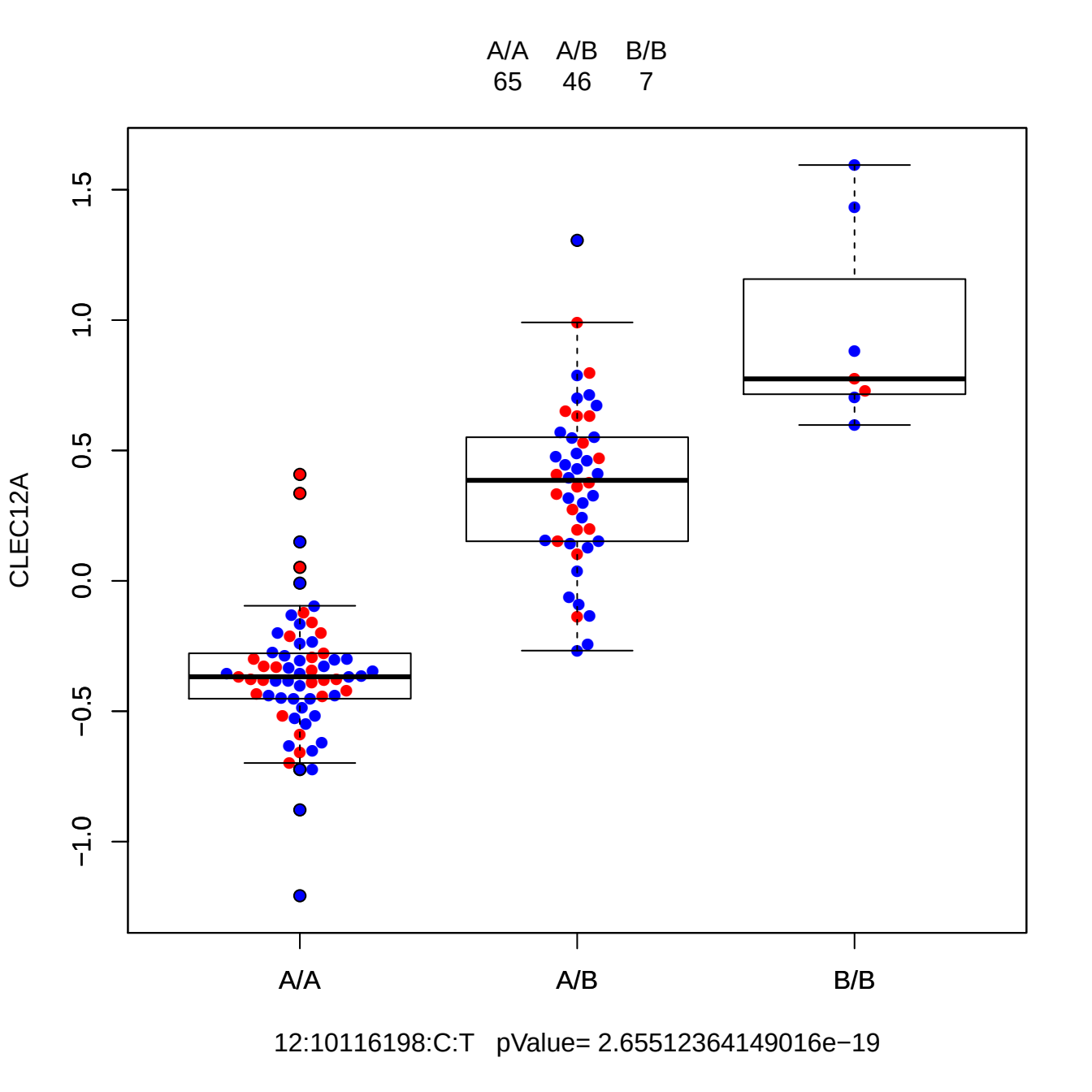

A/A A/B B/B
46 49 23
ERAP2
1.5
1.0
0.5
0.0
−0.5
−1.0
−1.5
A/A
A/B
B/B
rs2910686:96252589:T:C pValue= 3.9161230733446e−20

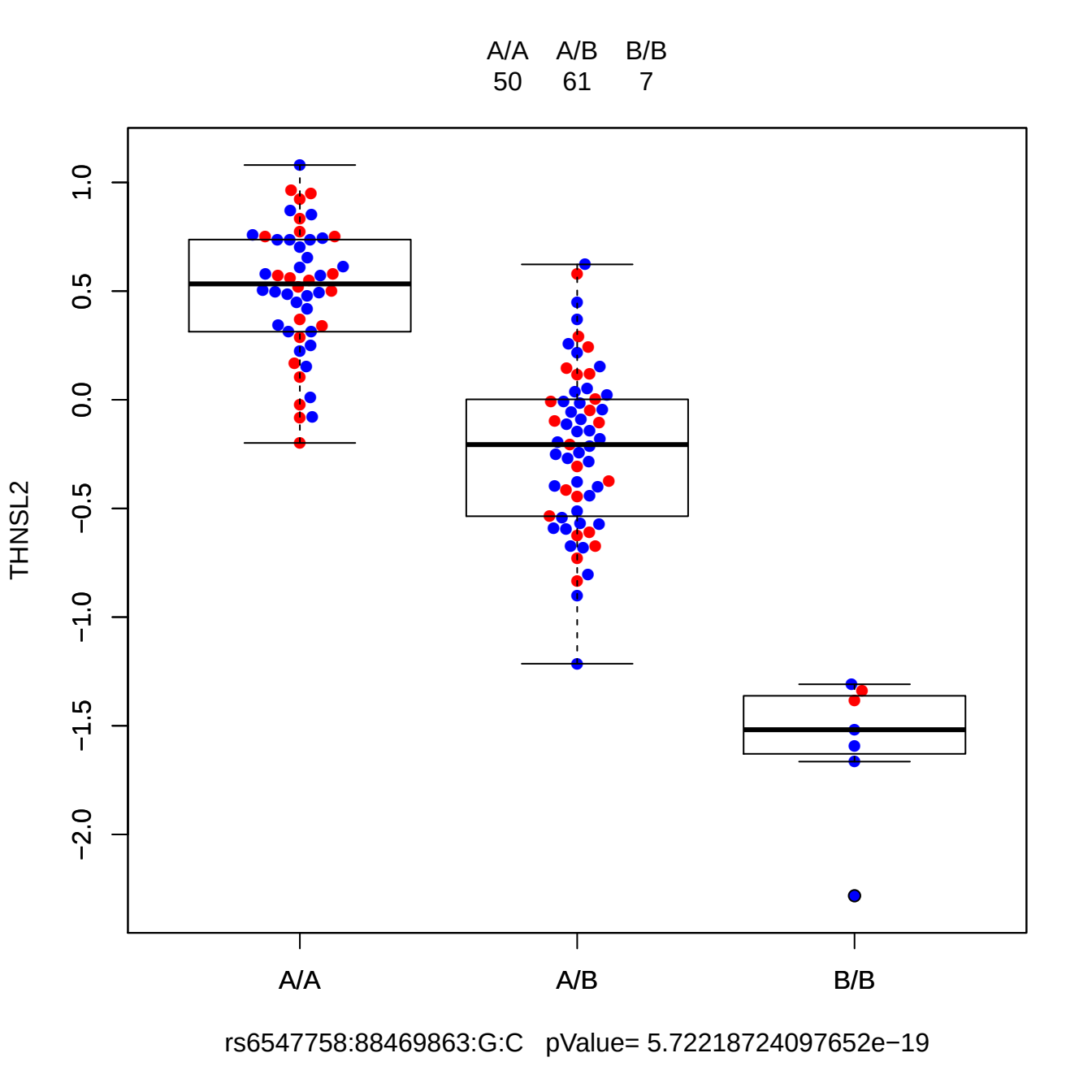

A/A A/B B/B
84 31 3
HLA.DRB5
4
2
0
−2
−4
A/A
A/B
B/B
rs112985748:32460093:T:C pValue= 5.61904783654023e−20

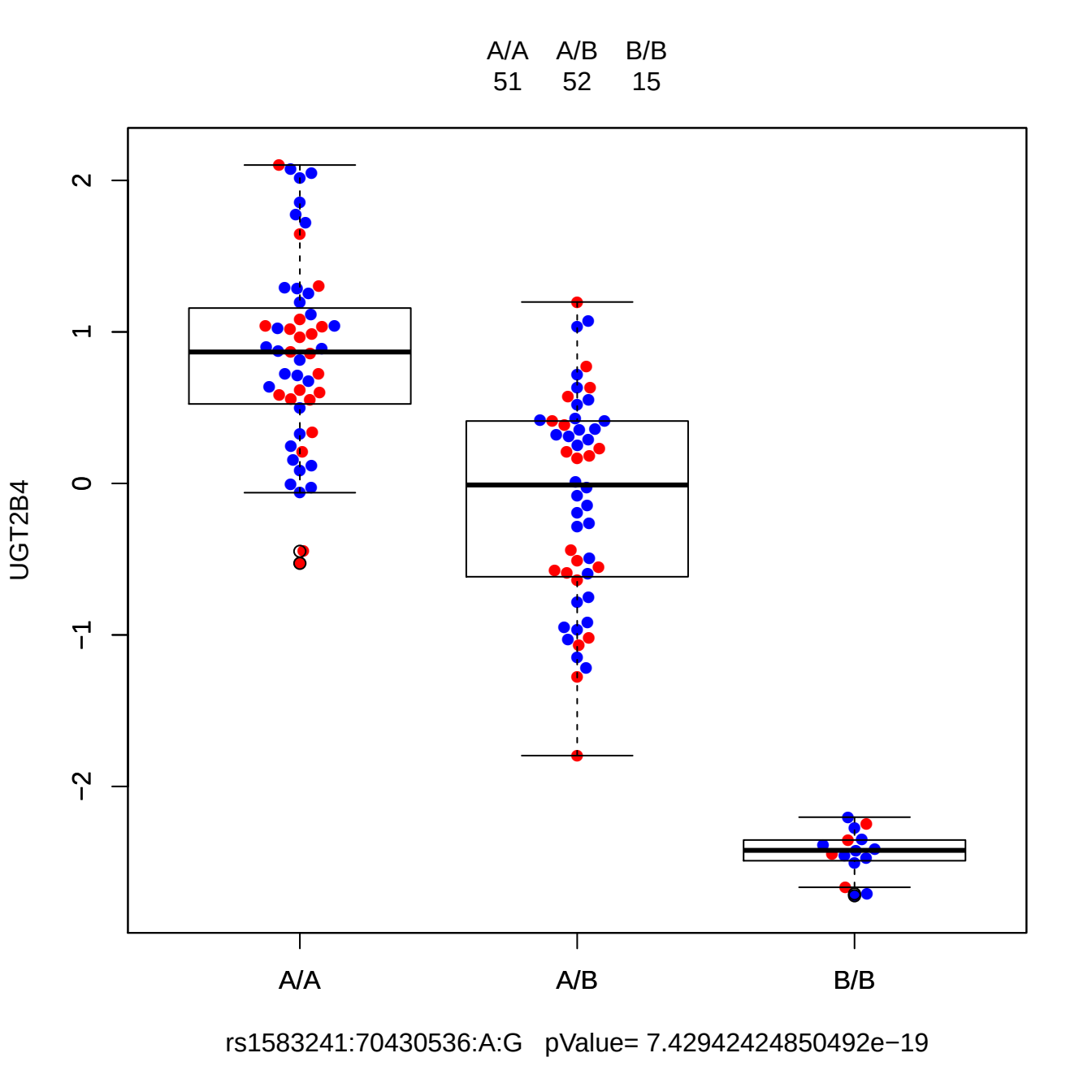

A/A A/B B/B
44 51 23
IDH3A
0.8
0.6
0.4
0.2
0.0
−0.2
−0.4
−0.6
A/A
A/B
B/B
rs11631100:78448456:G:A pValue= 7.9160883185829e−20

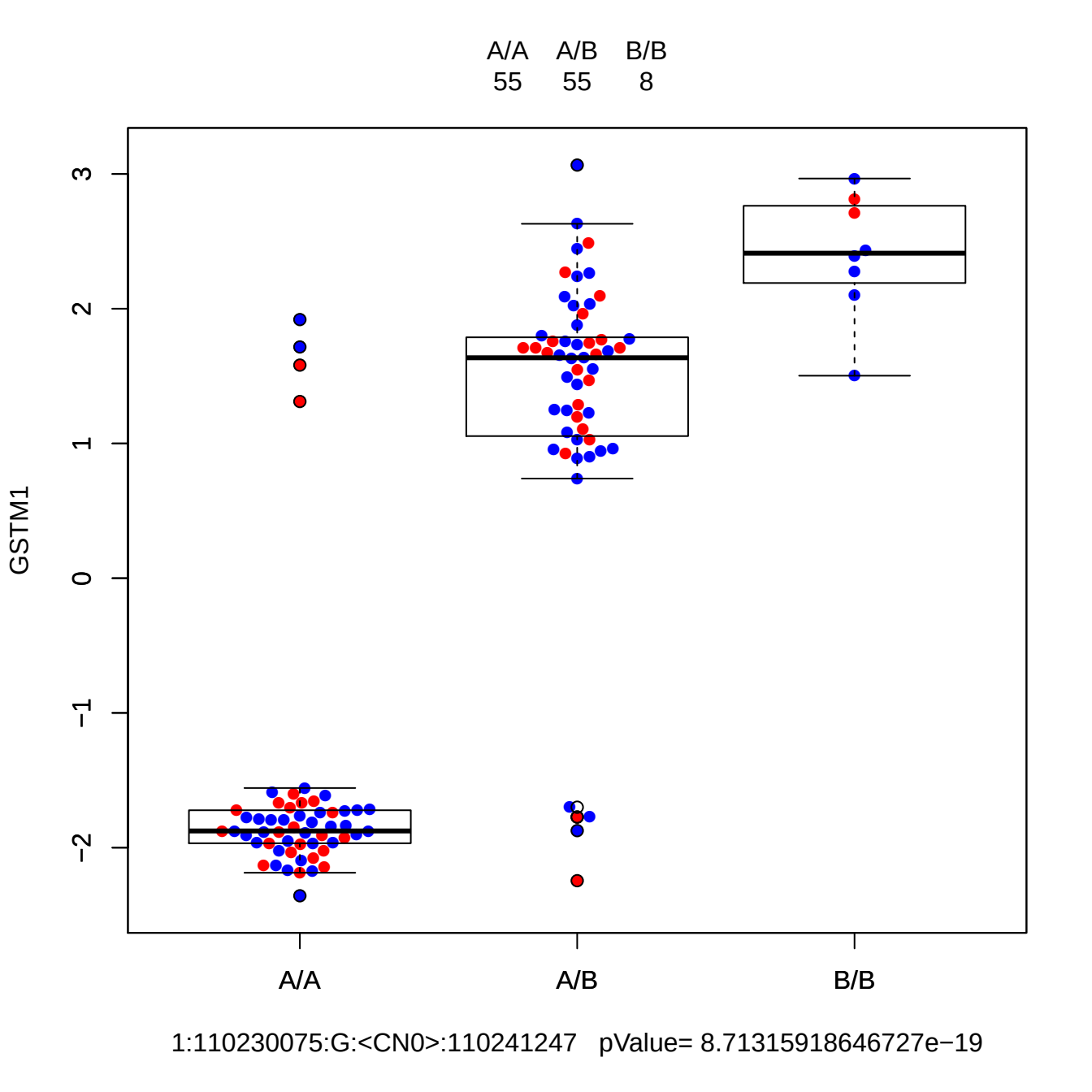

A/A A/B B/B
62 45 11
NCRNA00339
1.0
0.5
0.0
−0.5
−1.0
A/A
A/B
B/B
rs2473305:22351976:C:G pValue= 9.0952175755207e−20

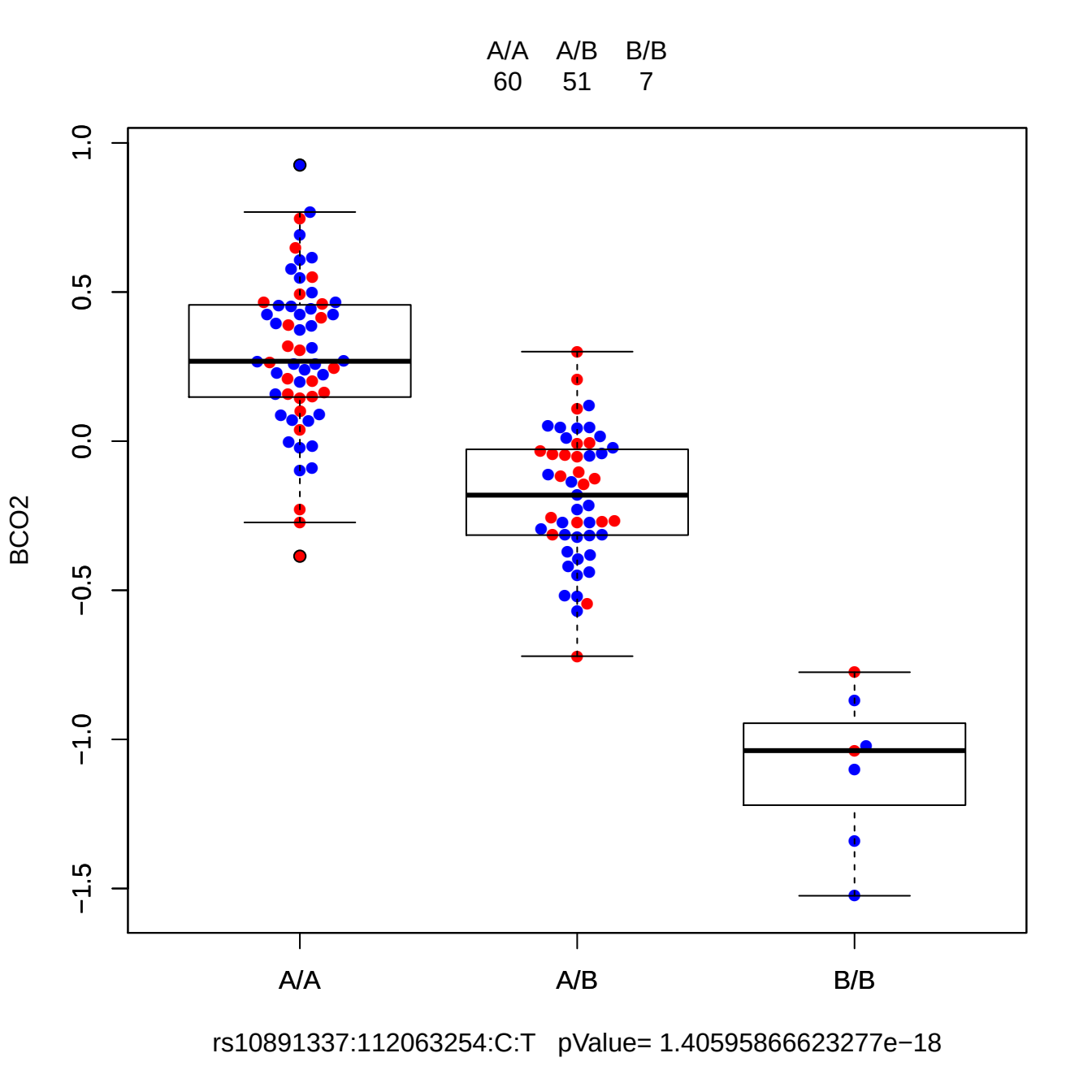

A/A A/B B/B
41 57 20
SNHG5
1.0
0.5
0.0
−0.5
−1.0
−1.5
A/A
A/B
B/B
rs1173418:86402916:G:A pValue= 9.68117931576205e−20

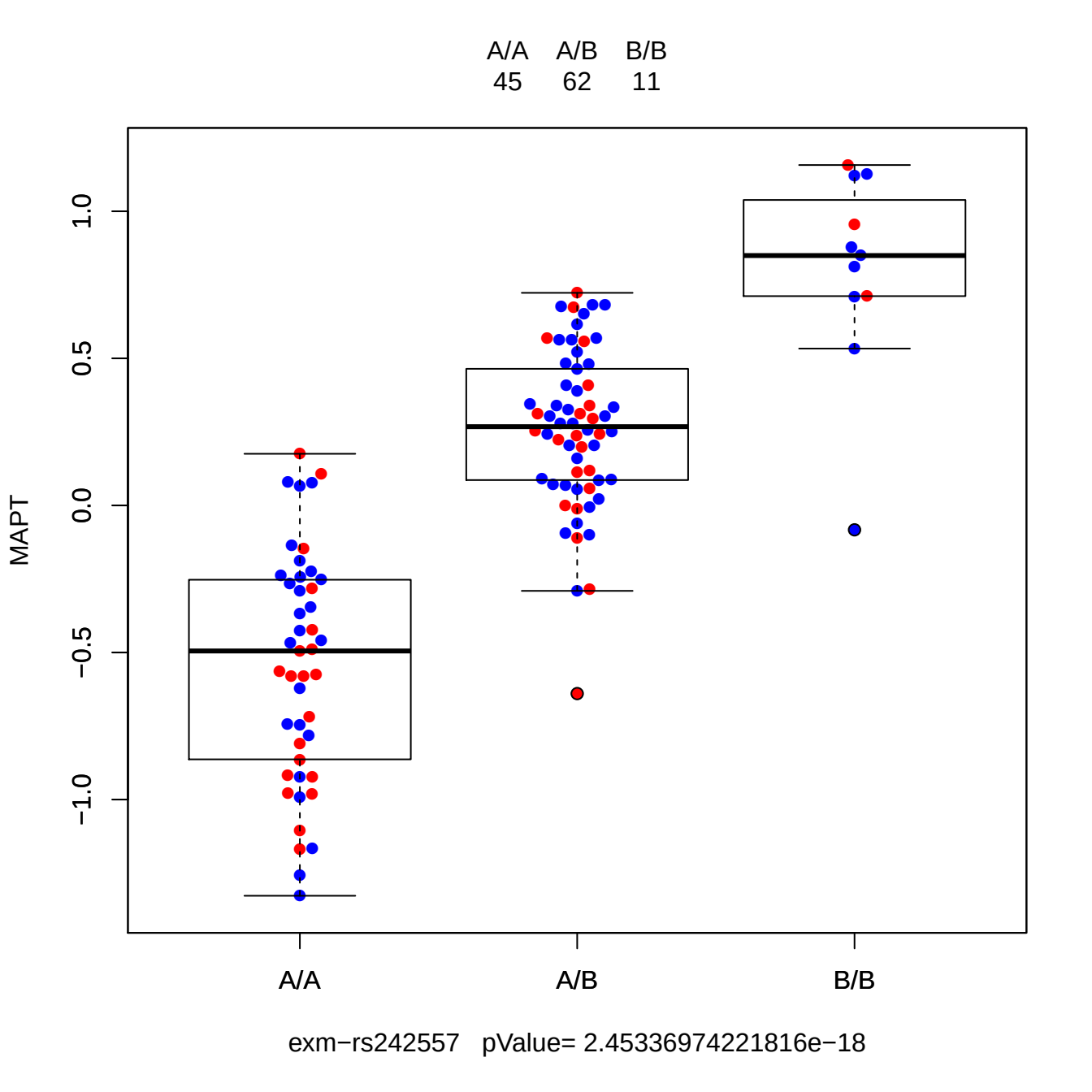

A/A A/B B/B
65 46 7
CLEC12A
1.5
1.0
0.5
0.0
−0.5
−1.0
A/A
A/B
B/B
12:10116198:C:T pValue= 2.65512364149016e−19

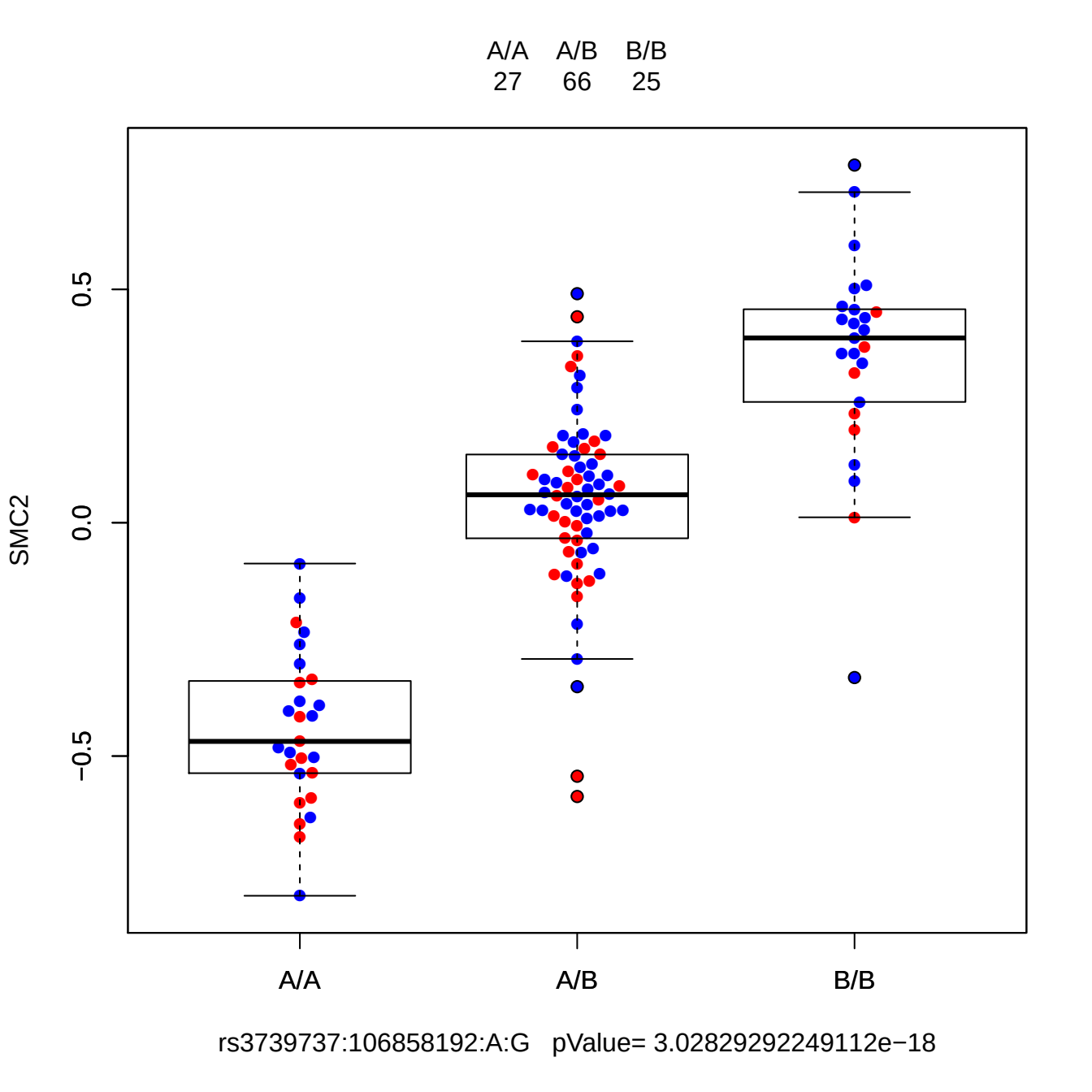

A/A A/B B/B
50 61 7
THNSL2
1.0
0.5
0.0
−0.5
−1.0
−1.5
−2.0
A/A
A/B
B/B
rs6547758:88469863:G:C pValue= 5.72218724097652e−19

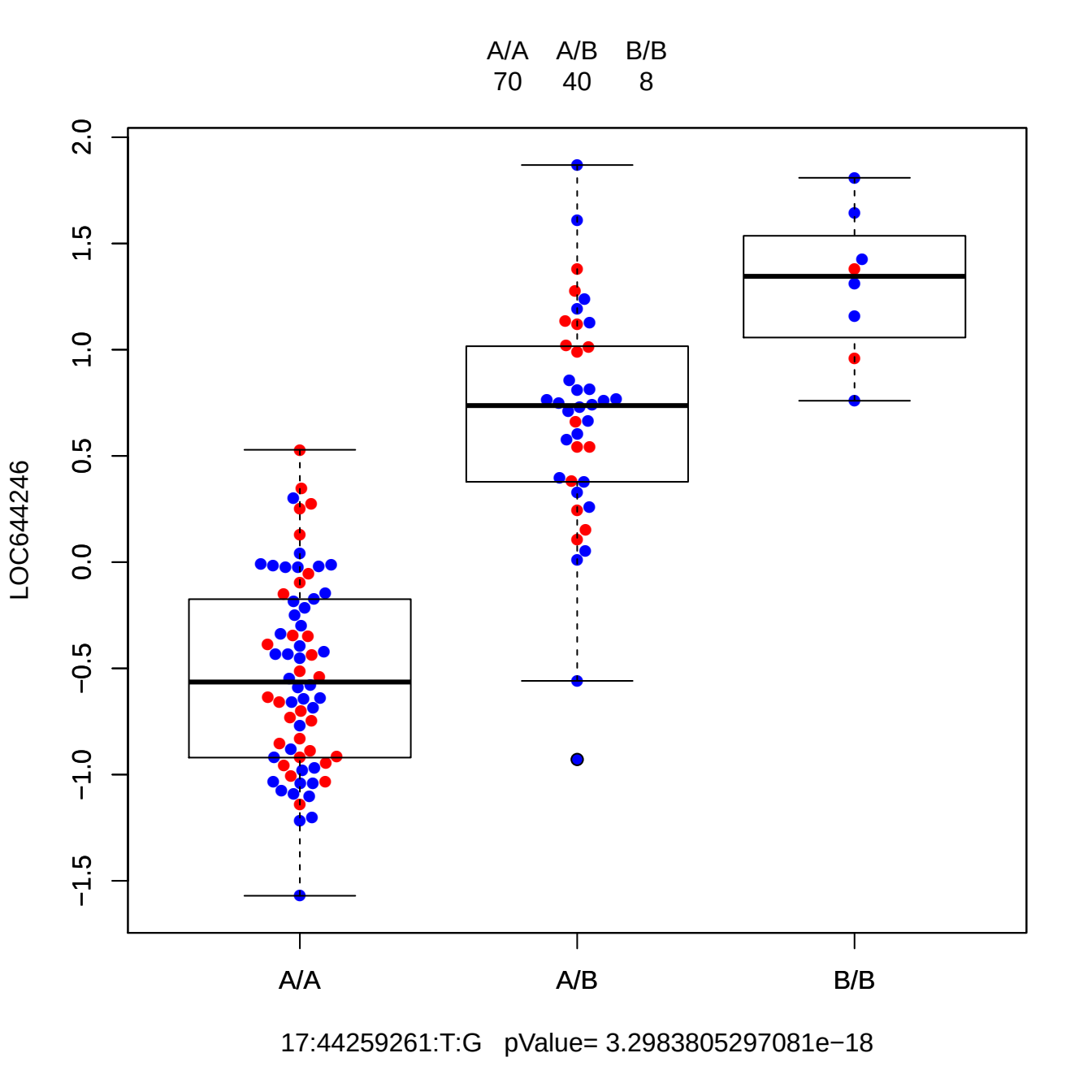

A/A A/B B/B
51 52 15
UGT2B4
2
1
0
−1
−2
A/A
A/B
B/B
rs1583241:70430536:A:G pValue= 7.42942424850492e−19

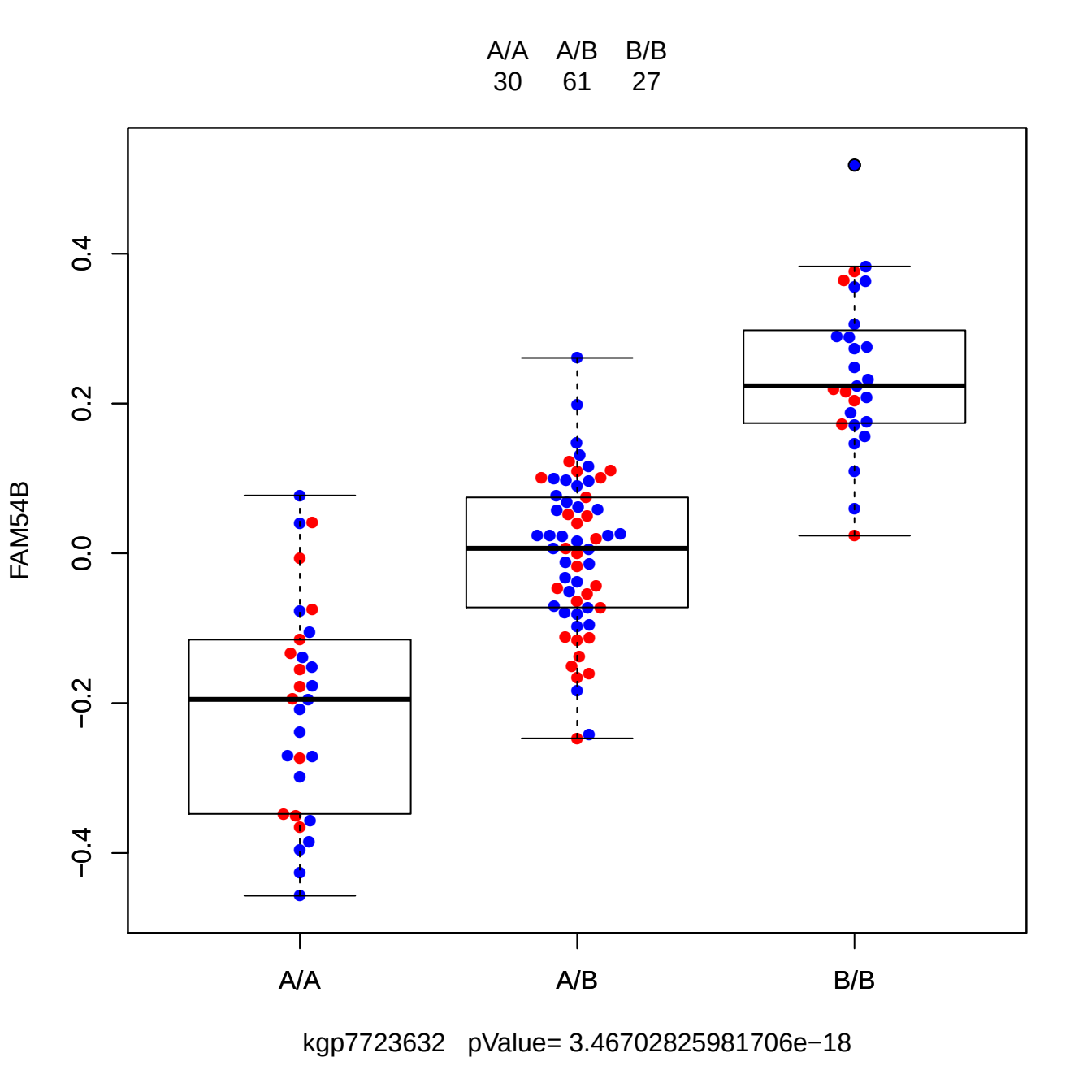

A/A A/B B/B
55 55 8
GSTM1
3
2
1
0
−1
−2
A/A
A/B
B/B
1:110230075:G:<CN0>:110241247 pValue= 8.71315918646727e−19

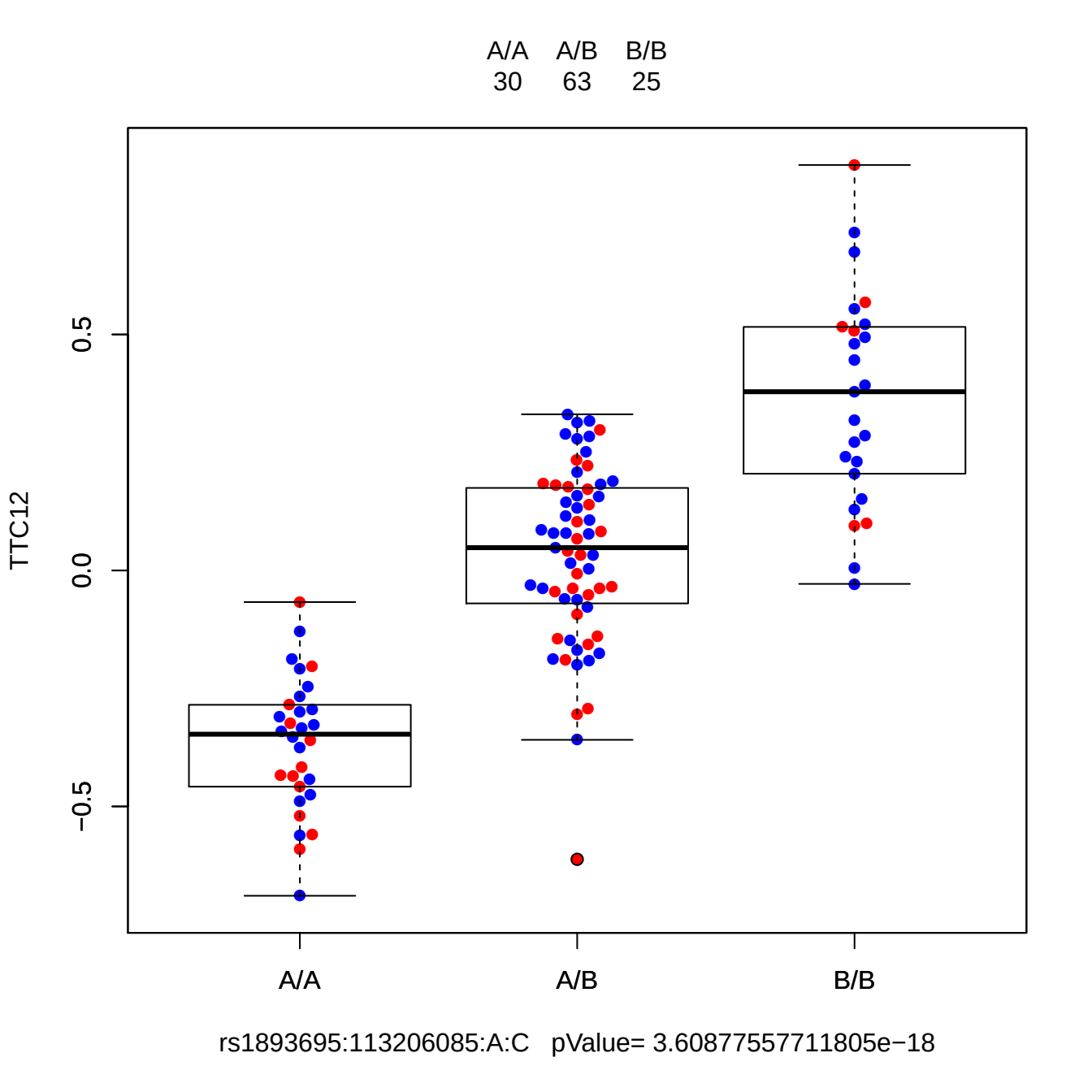

A/A A/B B/B
60 51 7
BCO2
1.0
0.5
0.0
−0.5
−1.0
−1.5
A/A
A/B
B/B
rs10891337:112063254:C:T pValue= 1.40595866623277e−18

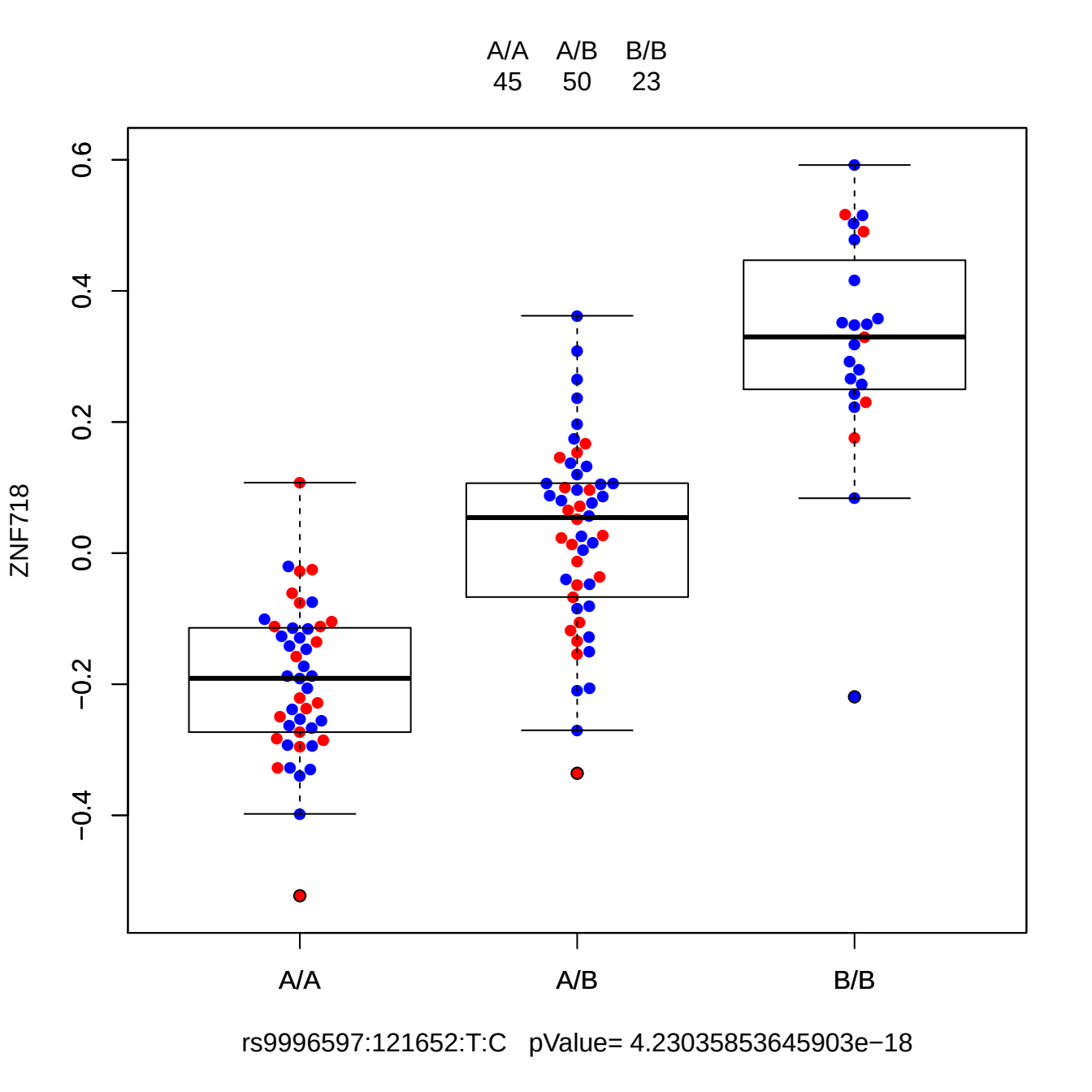

A/A A/B B/B
45 62 11
MAPT
1.0
0.5
0.0
−0.5
−1.0
A/A
A/B
B/B
exm−rs242557 pValue= 2.45336974221816e−18

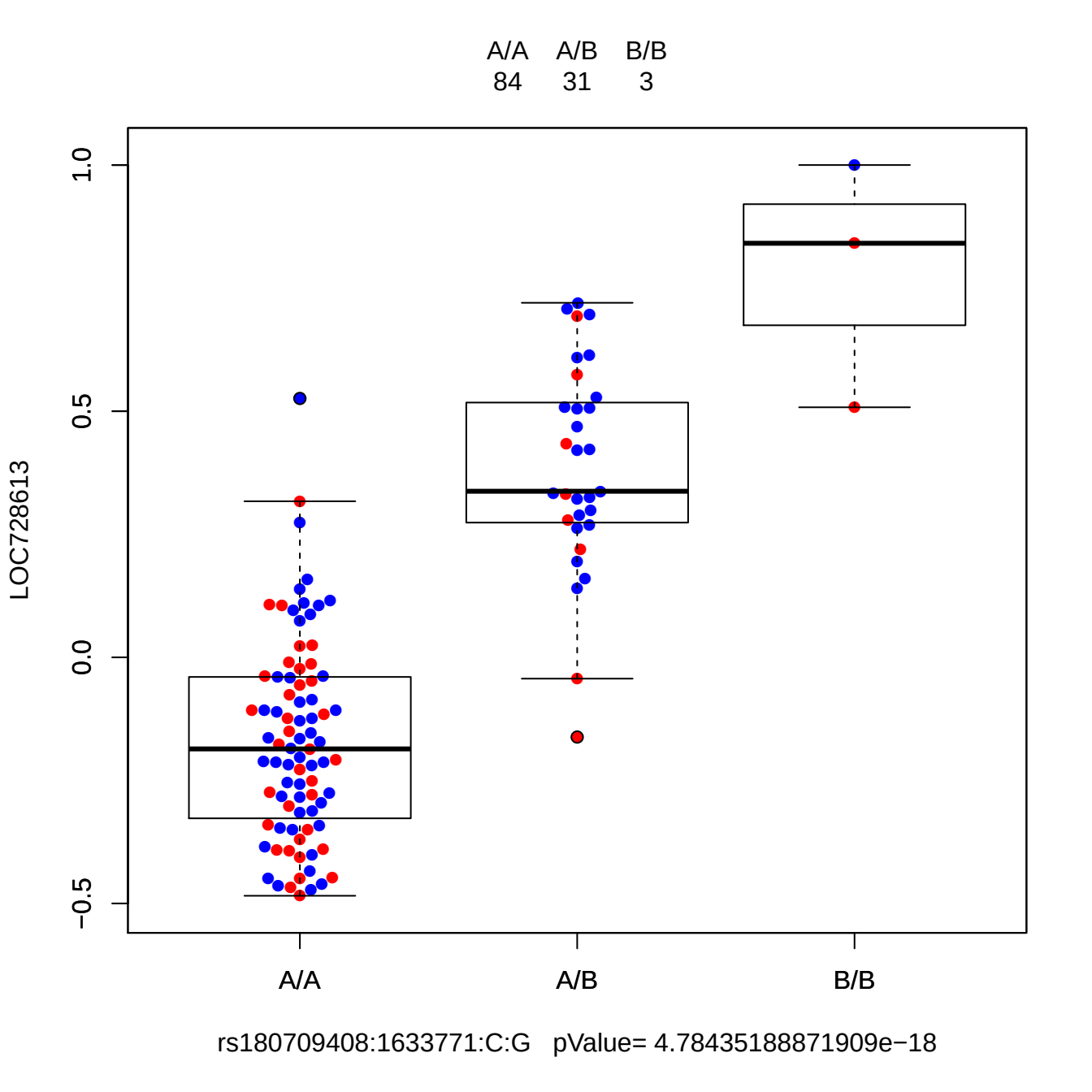

A/A A/B B/B
27 66 25
SMC2
0.5
0.0
−0.5
A/A
A/B
B/B
rs3739737:106858192:A:G pValue= 3.02829292249112e−18

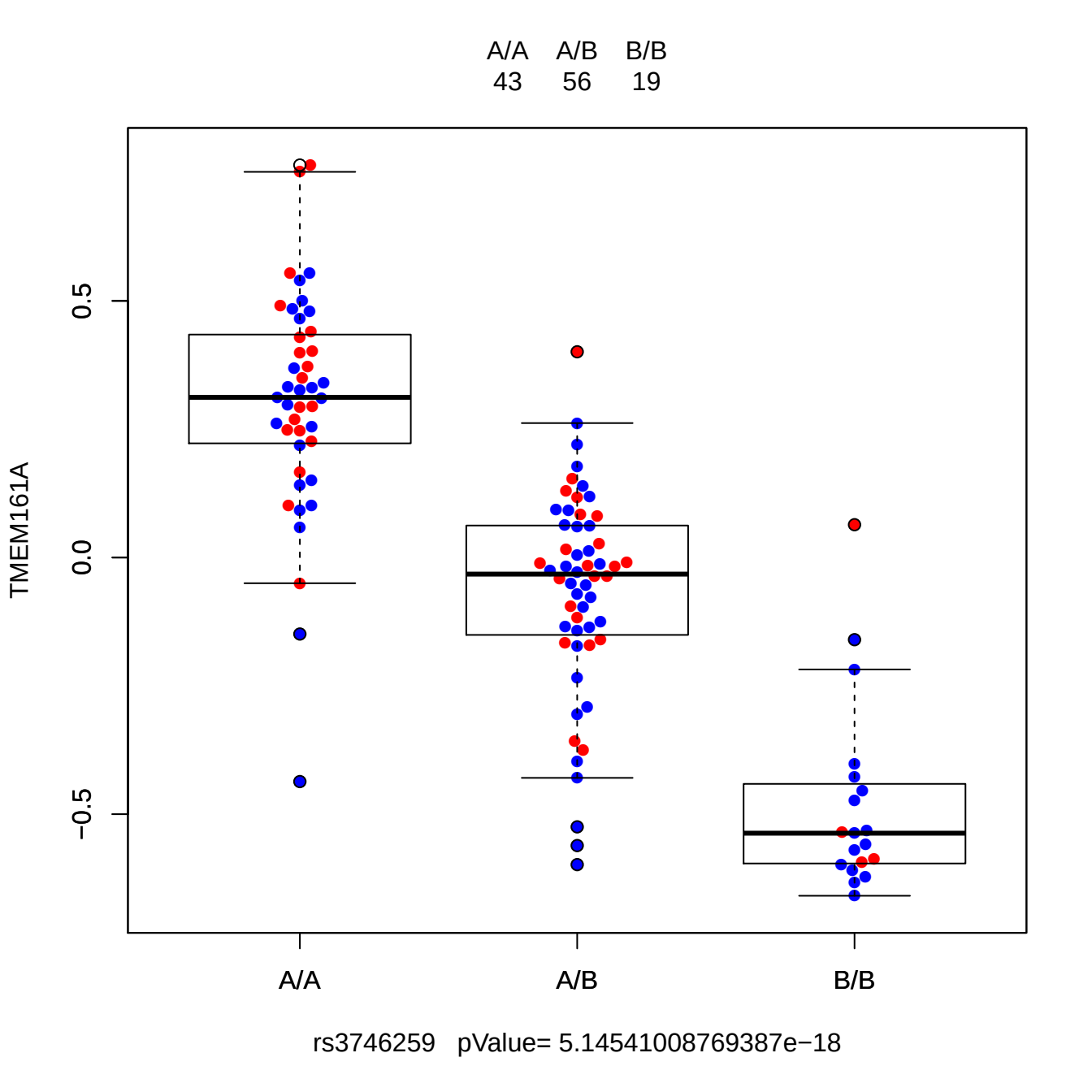

A/A A/B B/B
70 40 8
LOC644246
2.0
1.5
1.0
0.5
0.0
−0.5
−1.0
−1.5
A/A
A/B
B/B
17:44259261:T:G pValue= 3.2983805297081e−18

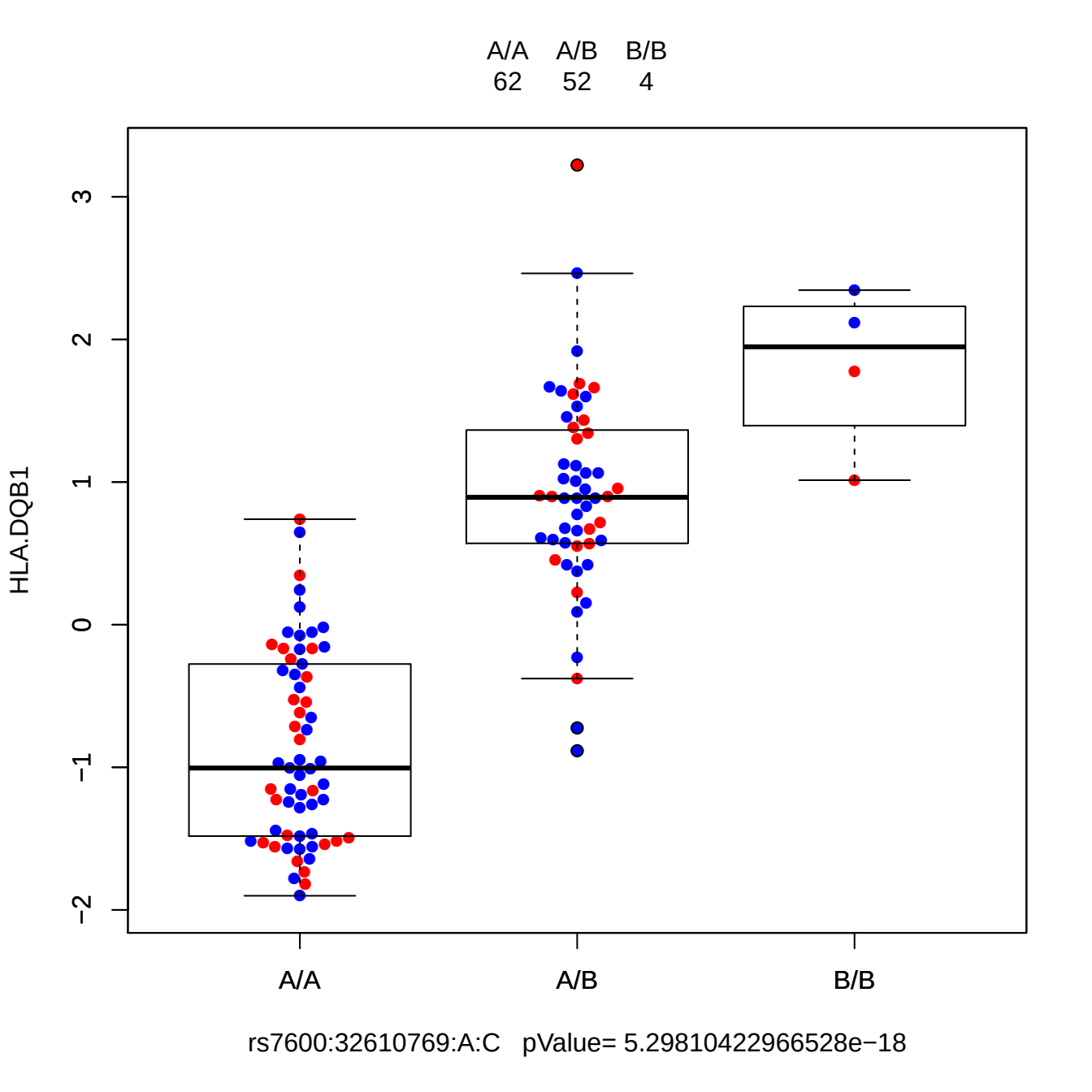

A/A A/B B/B
30 61 27
FAM54B
0.4
0.2
0.0
−0.2
−0.4
A/A
A/B
B/B
kgp7723632 pValue= 3.46702825981706e−18

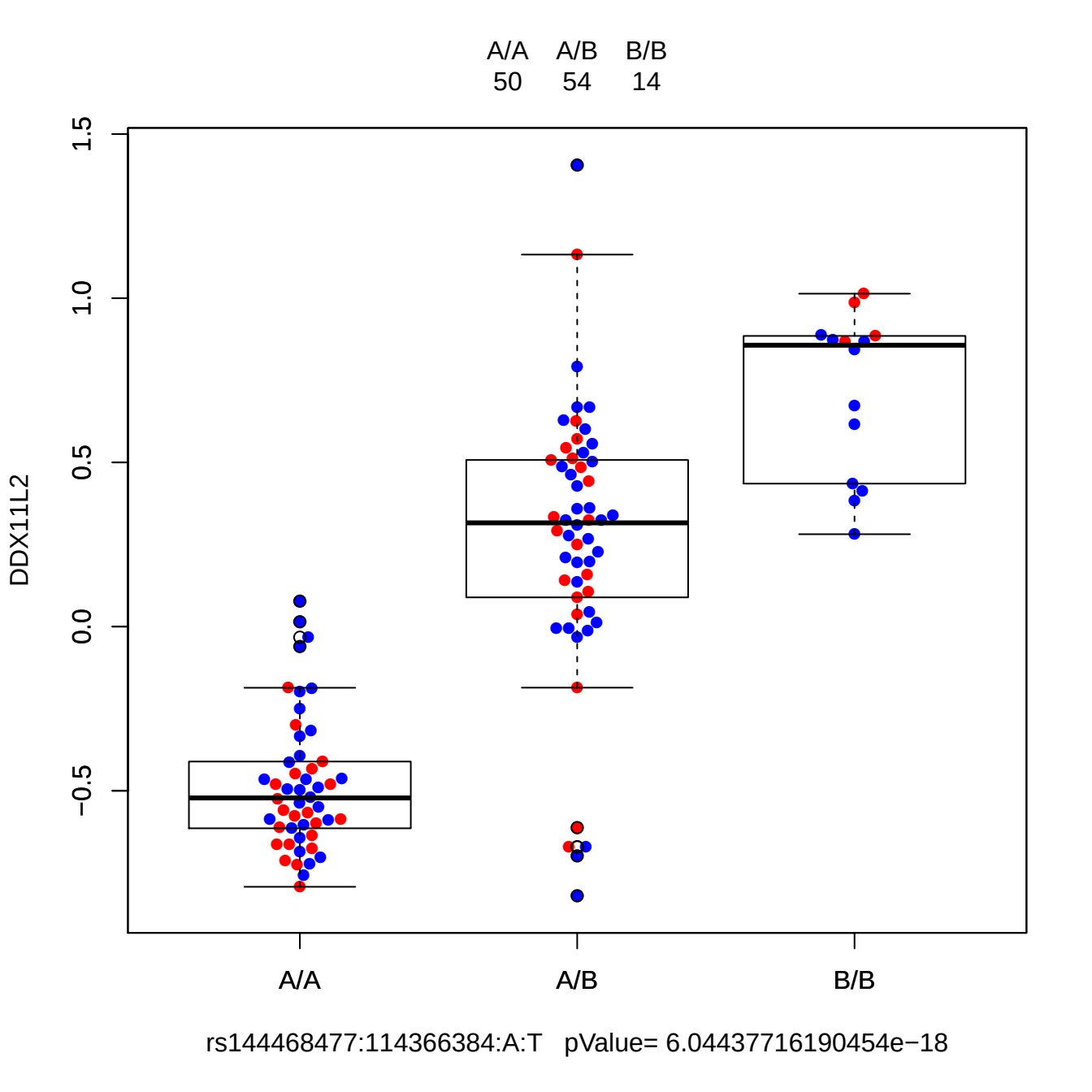

A/A A/B B/B
30 63 25
TTC12
0.5
0.0
−0.5
A/A
A/B
B/B
rs1893695:113206085:A:C pValue= 3.60877557711805e−18

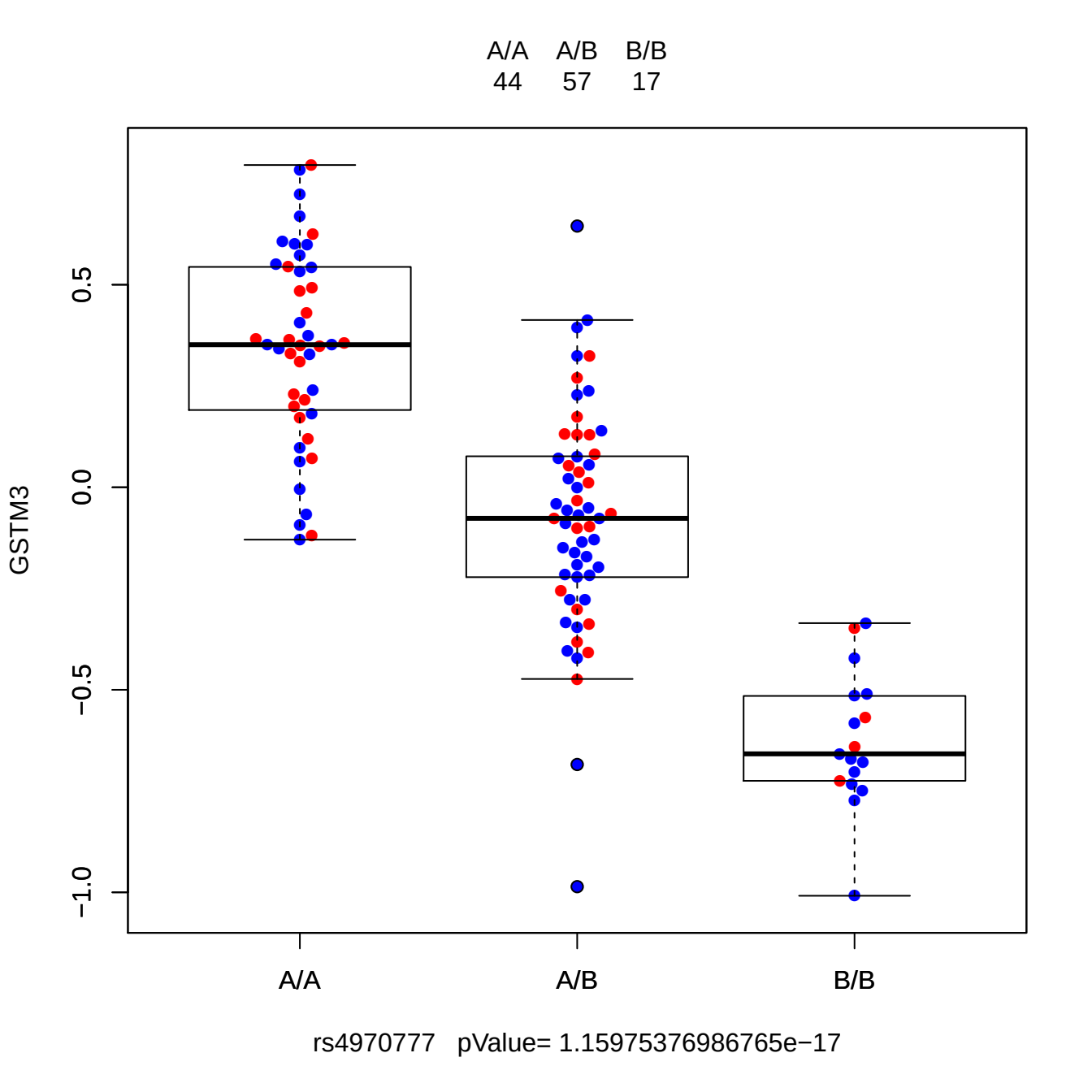

A/A A/B B/B
45 50 23
ZNF718
0.6
0.4
0.2
0.0
−0.2
−0.4
A/A
A/B
B/B
rs9996597:121652:T:C pValue= 4.23035853645903e−18


A/A A/B B/B
84 31 3
LOC728613
1.0
0.5
0.0
−0.5
A/A
A/B
B/B
rs180709408:1633771:C:G pValue= 4.78435188871909e−18


A/A A/B B/B
43 56 19
TMEM161A
0.5
0.0
−0.5
A/A
A/B
B/B
rs3746259 pValue= 5.14541008769387e−18


A/A A/B B/B
62 52 4
HLA.DQB1
3
2
1
0
−1
−2
A/A
A/B
B/B
rs7600:32610769:A:C pValue= 5.29810422966528e−18


A/A A/B B/B
50 54 14
DDX11L2
1.5
1.0
0.5
0.0
−0.5
A/A
A/B
B/B
rs144468477:114366384:A:T pValue= 6.04437716190454e−18


A/A A/B B/B
44 57 17
GSTM3
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0.0
−0.5
−1.0
A/A
A/B
B/B
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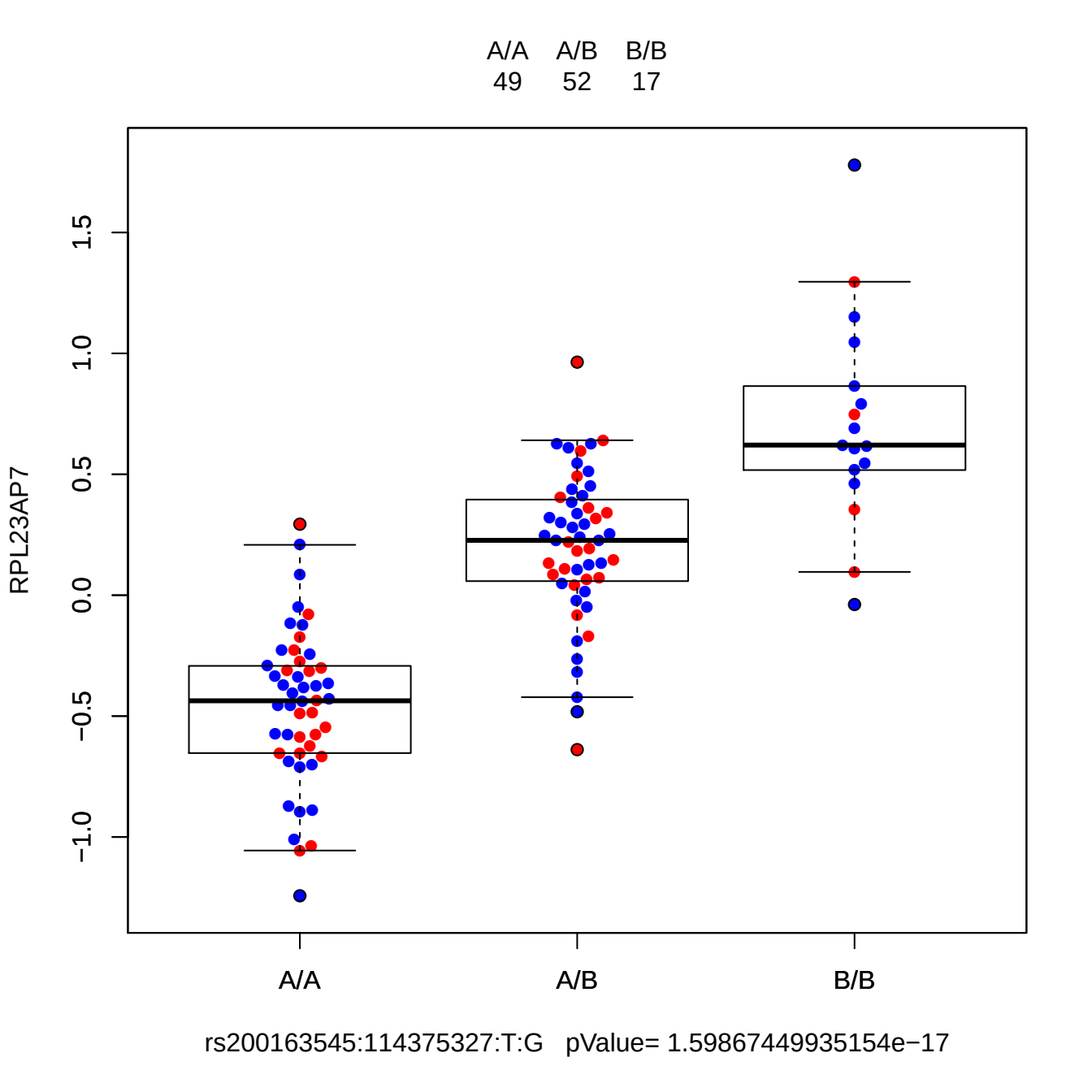
A/A A/B B/B
49 52 17
RPL23AP7
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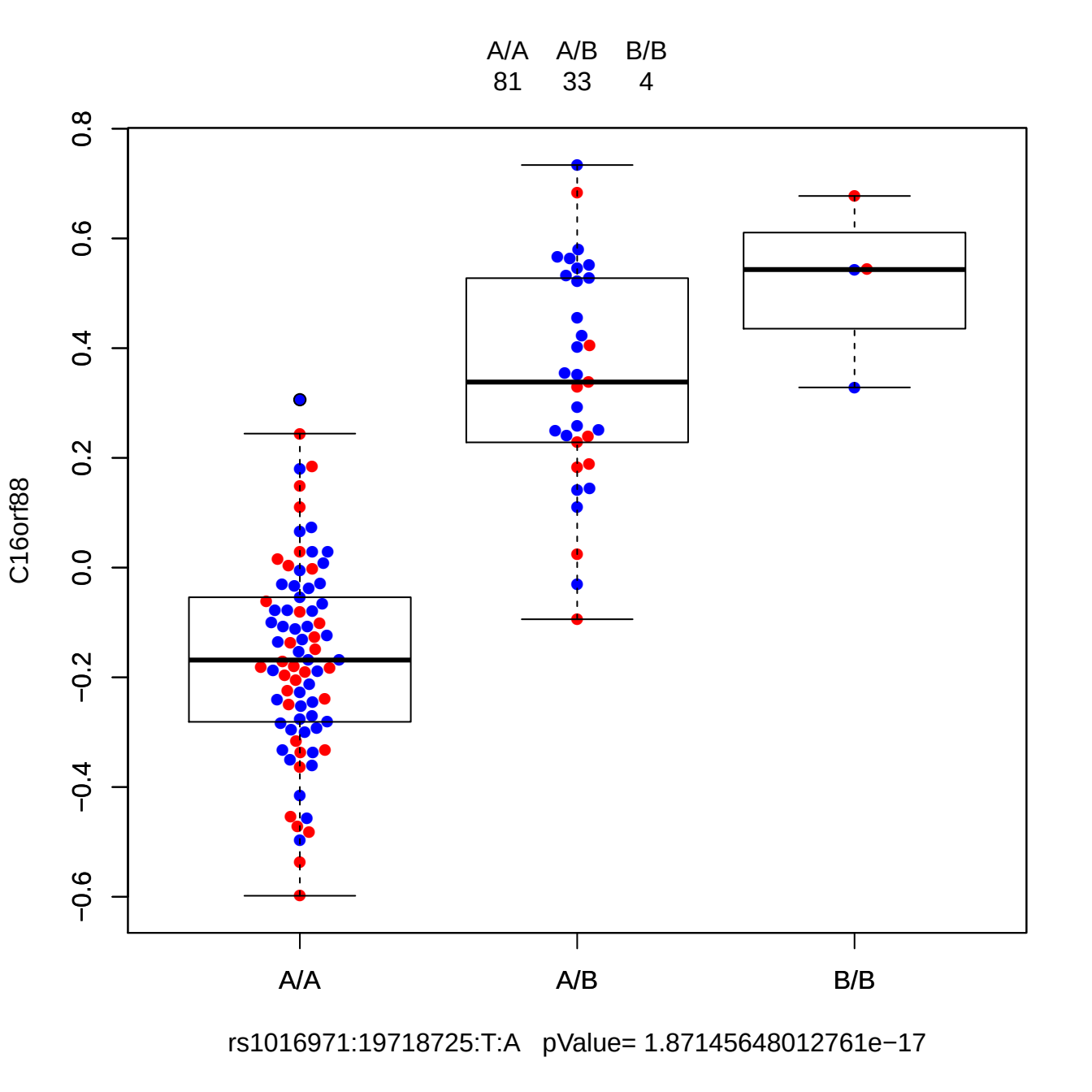
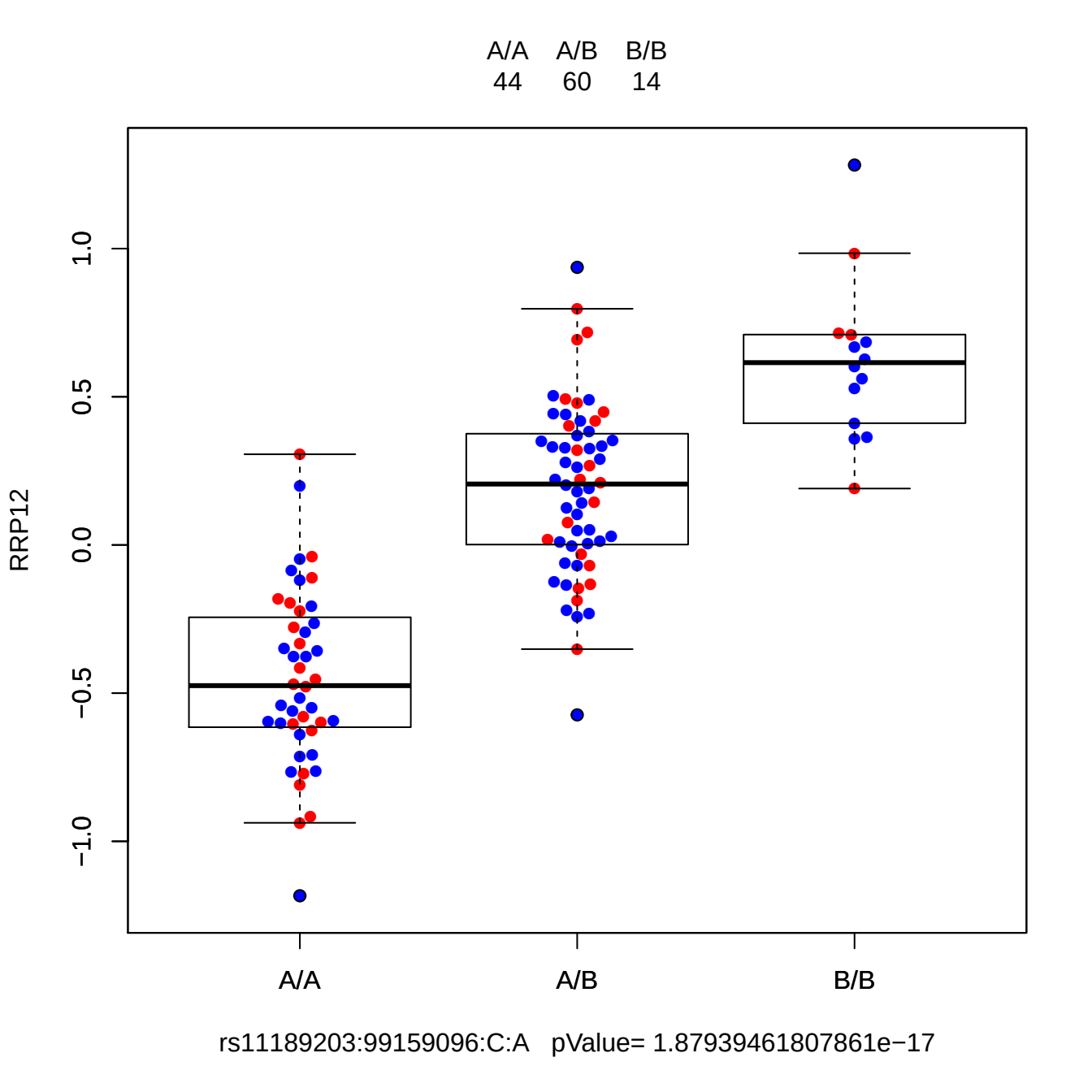
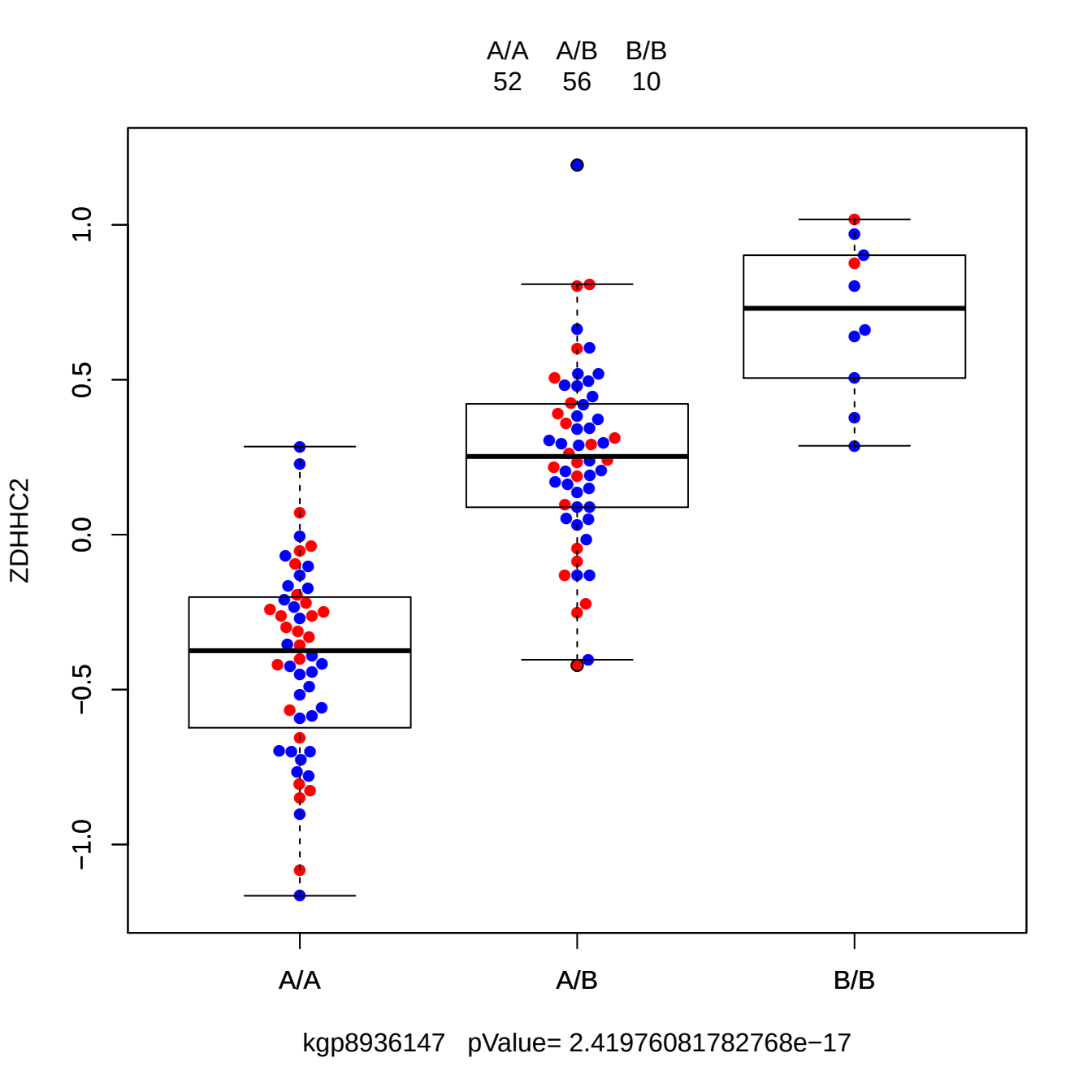
1.0
0.5
0.0
−0.5
−1.0
A/A
A/B
B/B
rs200163545:114375327:T:G pValue= 1.59867449935154e−17


A/A A/B B/B
81 33 4
C16orf88
0.8
0.6
0.4
0.2
0.0
−0.2
−0.4
−0.6
A/A
A/B
B/B
rs1016971:19718725:T:A pValue= 1.87145648012761e−17


A/A A/B B/B
44 60 14
RRP12
1.0
0.5
0.0
−0.5
−1.0
A/A
A/B
B/B
rs11189203:99159096:C:A pValue= 1.87939461807861e−17


A/A A/B B/B
52 56 10
ZDHHC2
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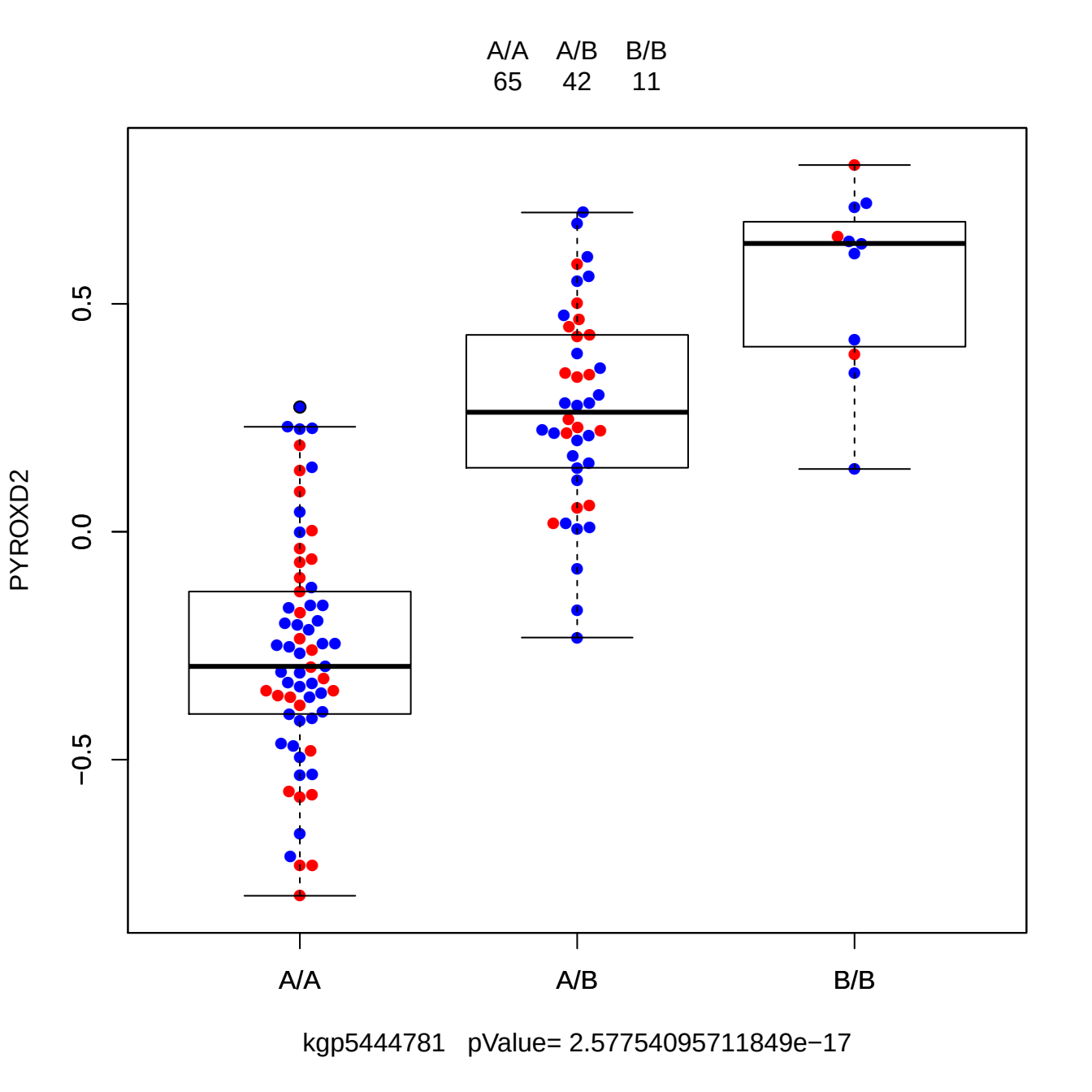
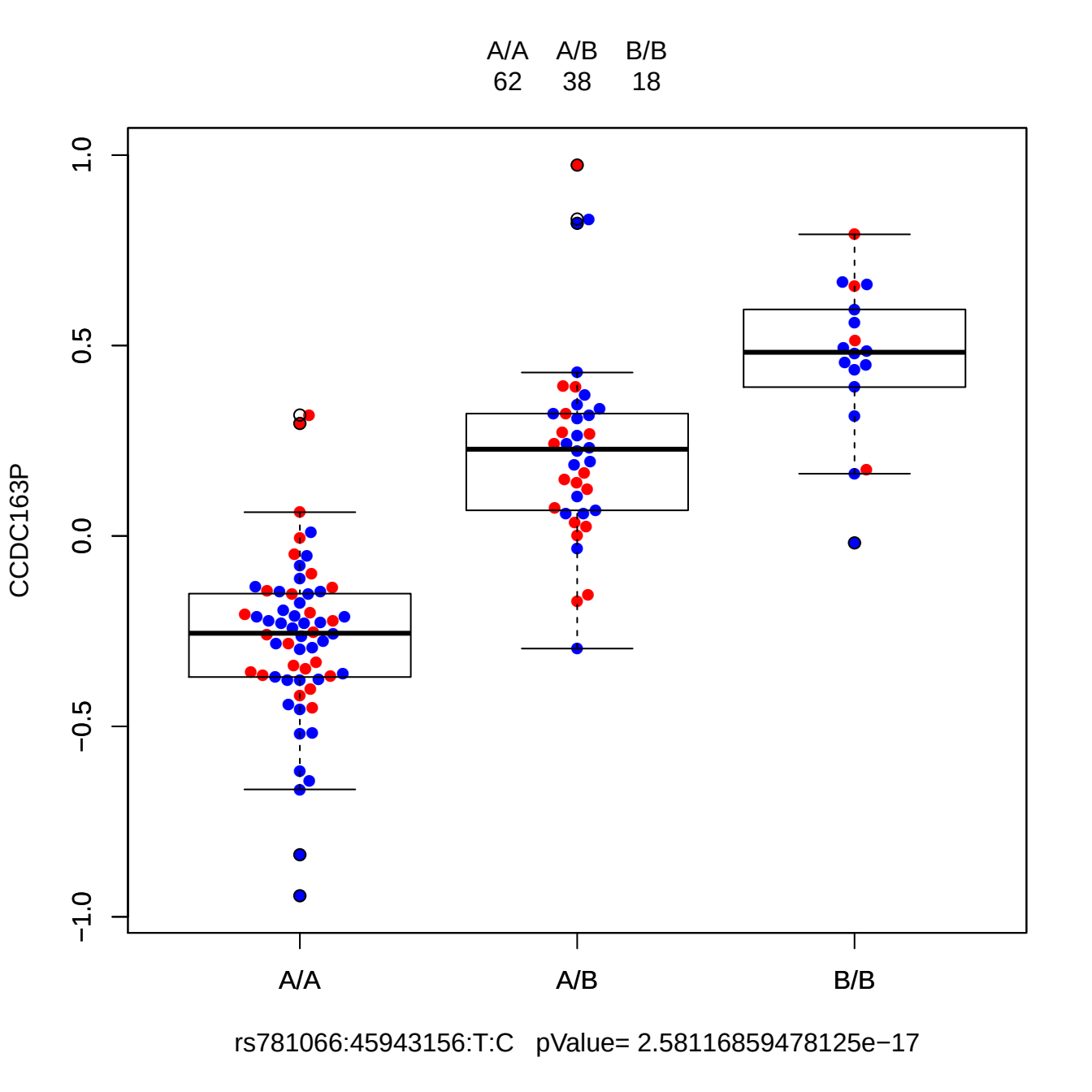
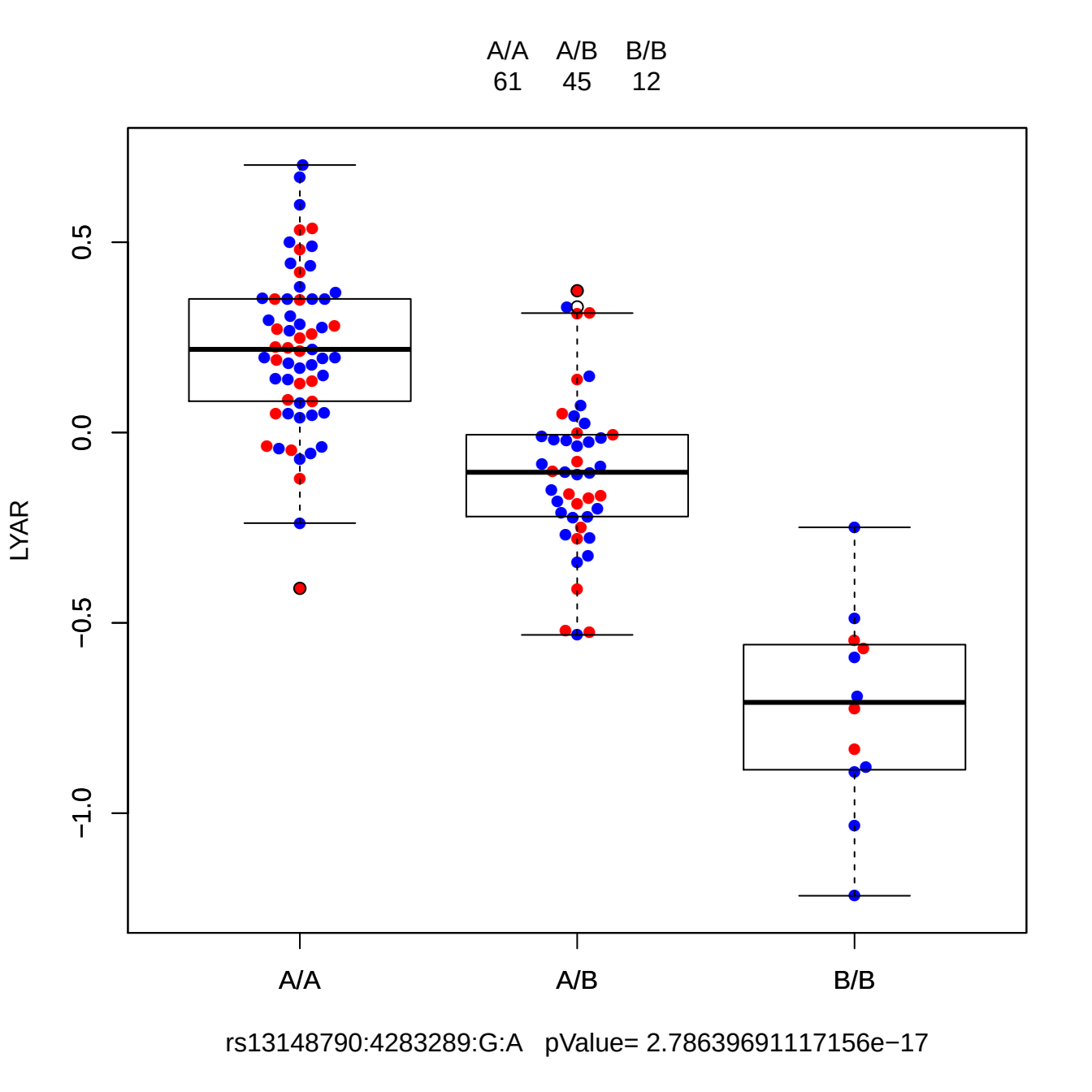
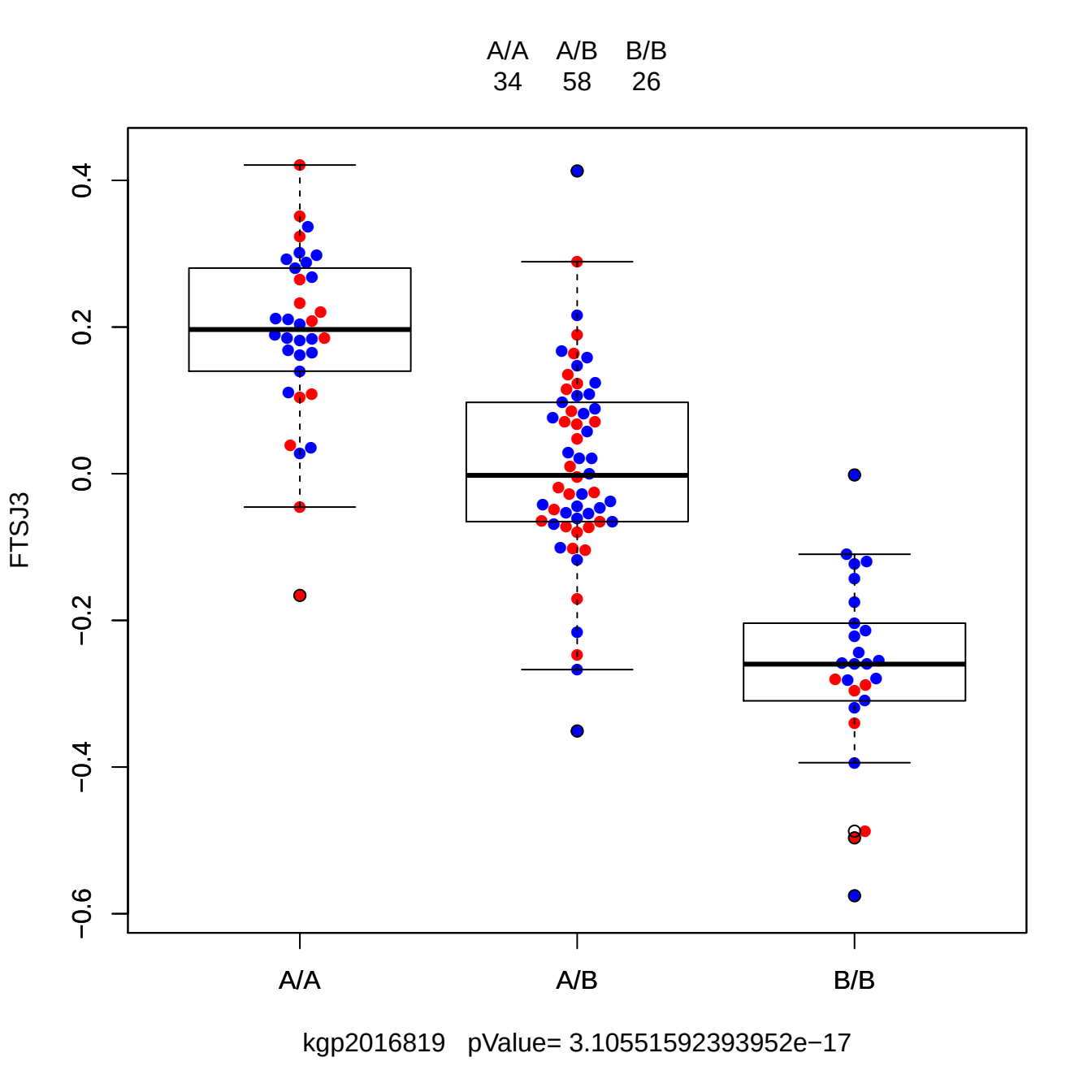
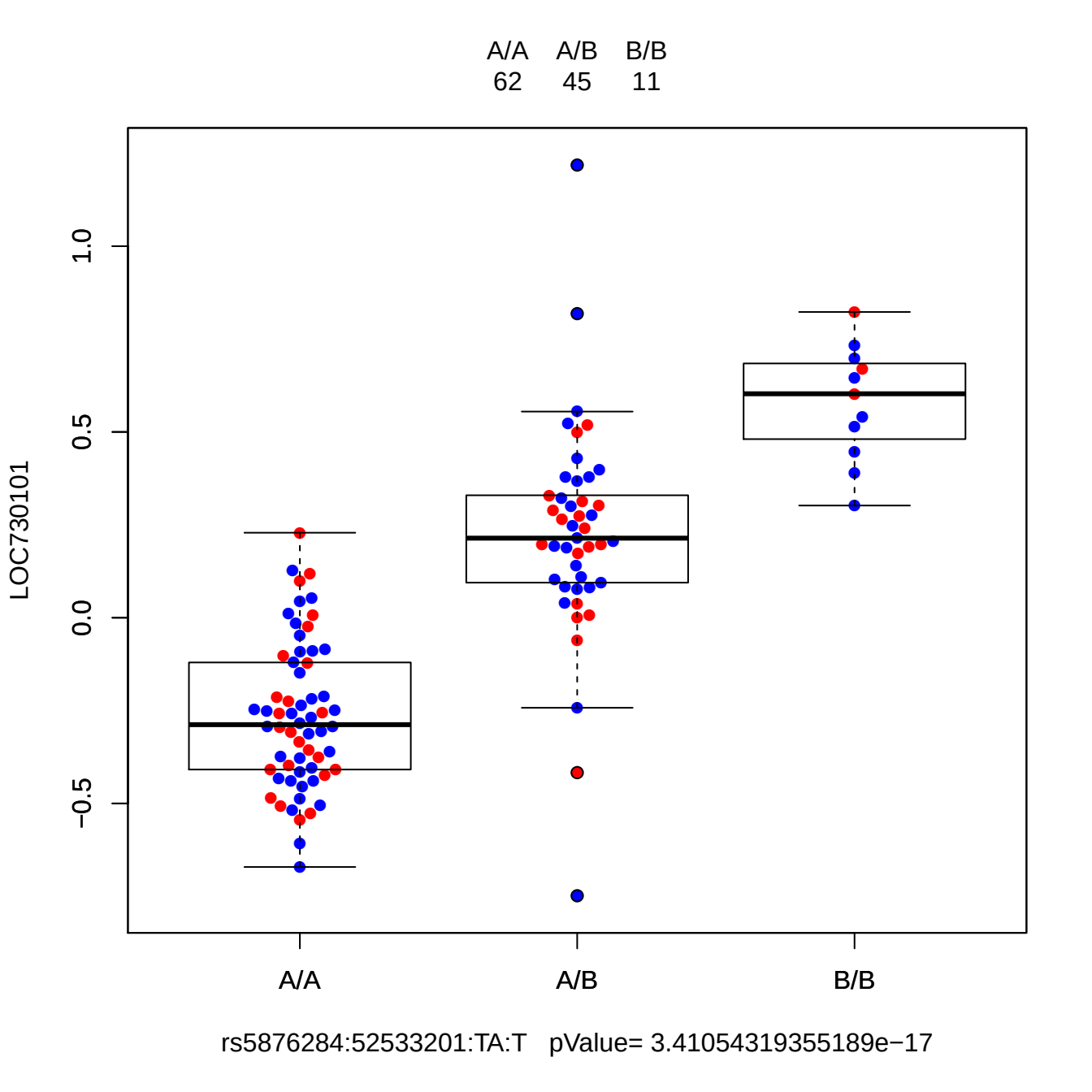
0.5
0.0
−0.5
−1.0
A/A
A/B
B/B
kgp8936147 pValue= 2.41976081782768e−17

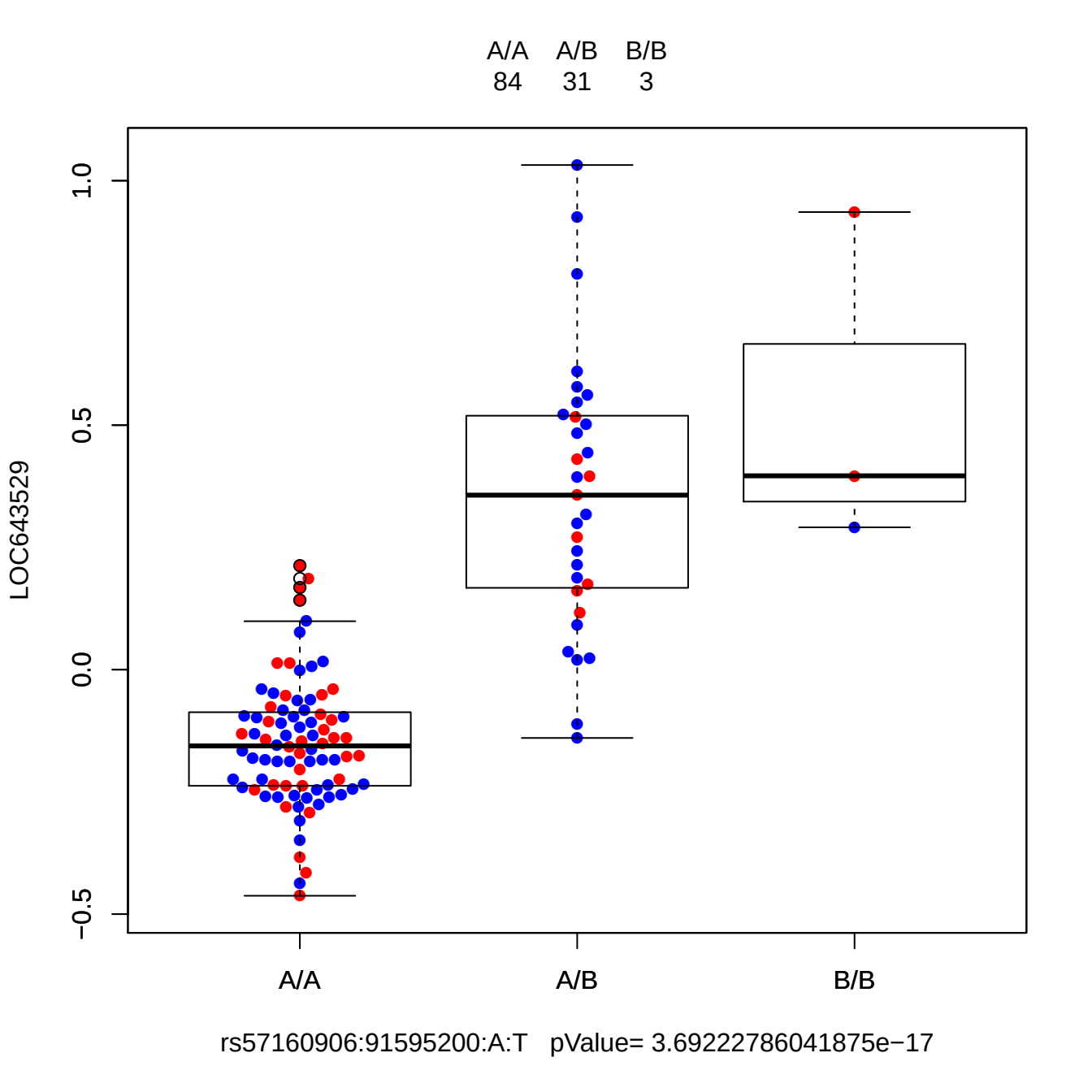

A/A A/B B/B
65 42 11
PYROXD2
0.5
0.0
−0.5
A/A
A/B
B/B
kgp5444781 pValue= 2.57754095711849e−17

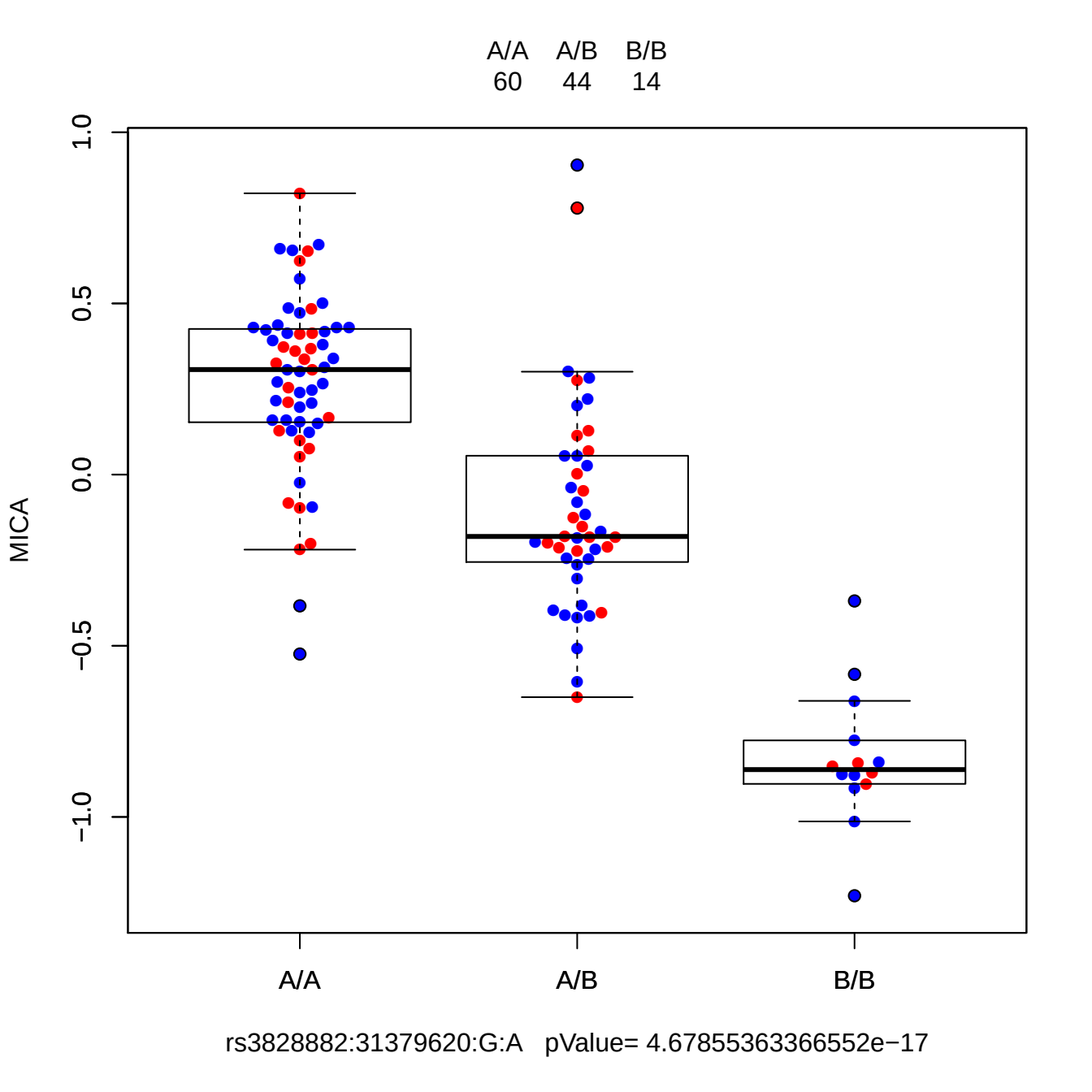

A/A A/B B/B
62 38 18
CCDC163P
1.0
0.5
0.0
−0.5
−1.0
A/A
A/B
B/B
rs781066:45943156:T:C pValue= 2.58116859478125e−17

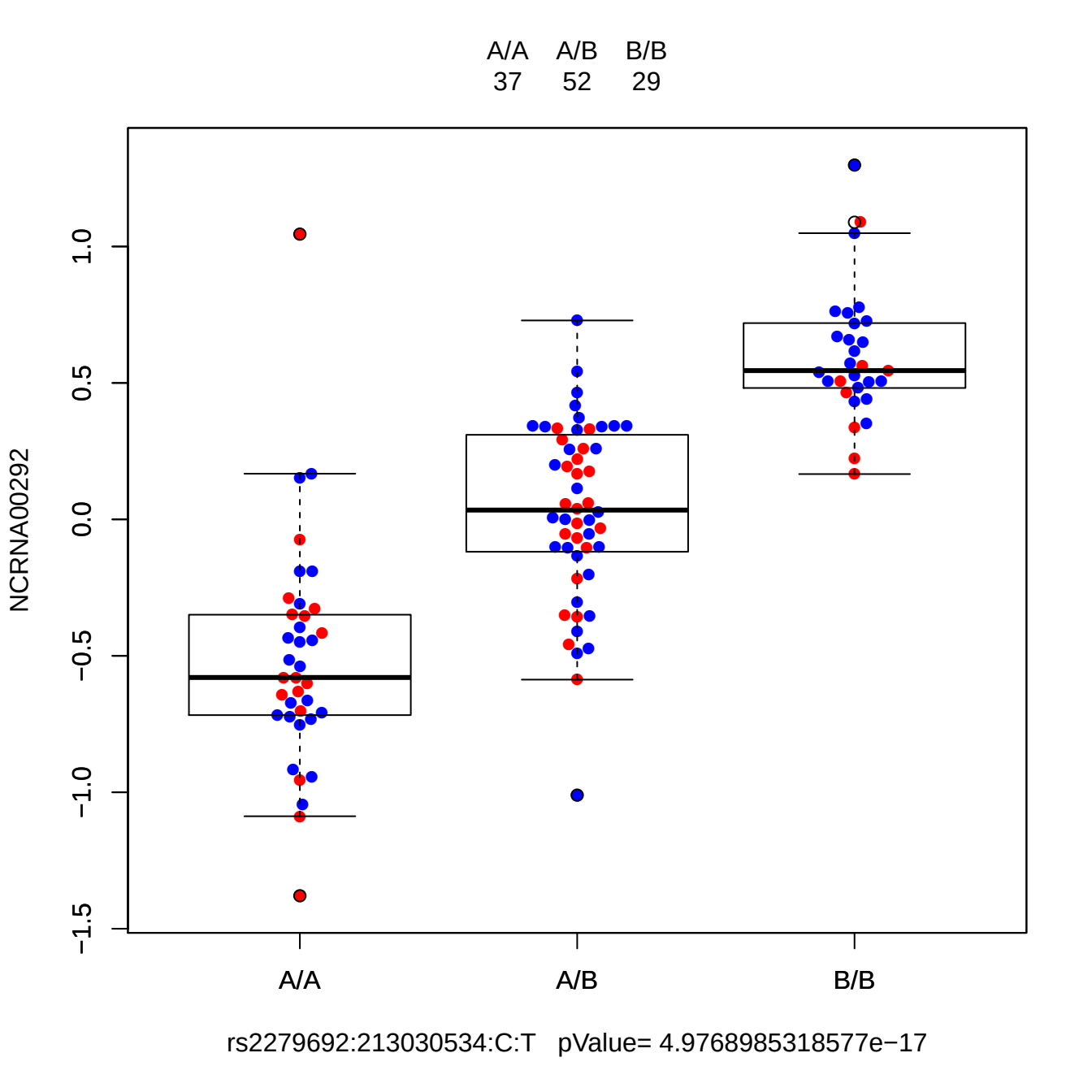

A/A A/B B/B
61 45 12
LYAR
0.5
0.0
−0.5
−1.0
A/A
A/B
B/B
rs13148790:4283289:G:A pValue= 2.78639691117156e−17

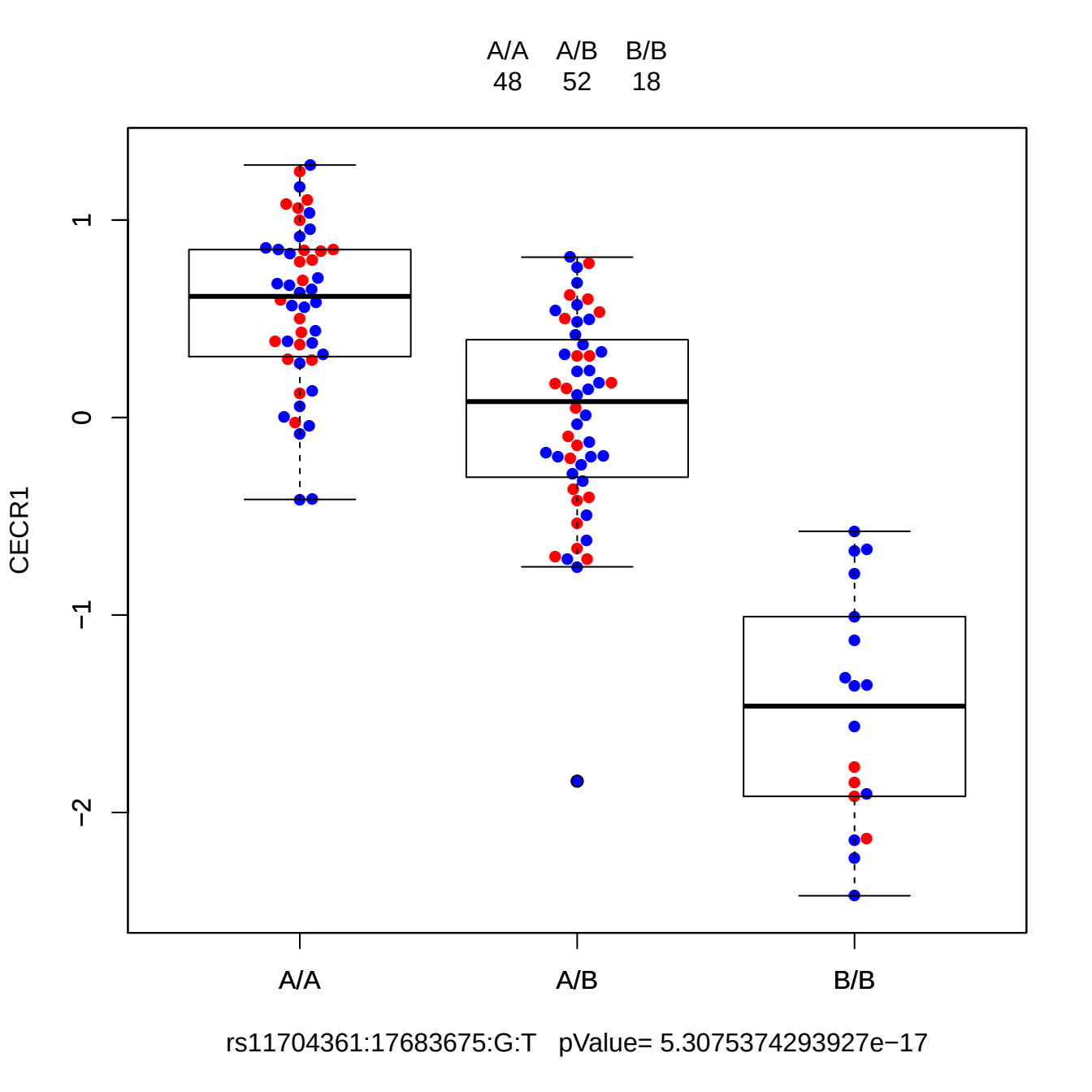

A/A A/B B/B
34 58 26
FTSJ3
0.4
0.2
0.0
−0.2
−0.4
−0.6
A/A
A/B
B/B
kgp2016819 pValue= 3.10551592393952e−17

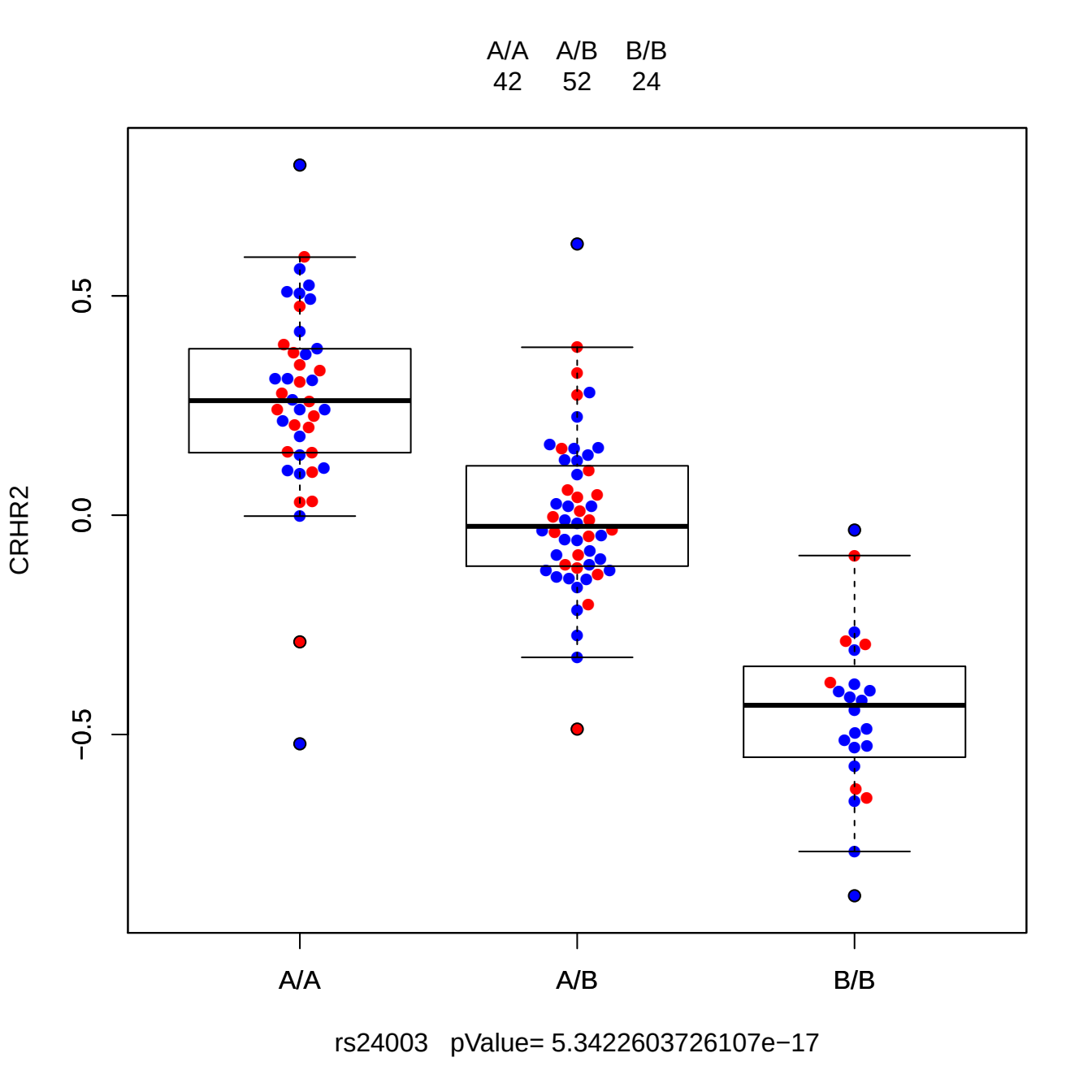

A/A A/B B/B
62 45 11
LOC730101
1.0
0.5
0.0
−0.5
A/A
A/B
B/B
rs5876284:52533201:TA:T pValue= 3.41054319355189e−17


A/A A/B B/B
84 31 3
LOC643529
1.0
0.5
0.0
−0.5
A/A
A/B
B/B
rs57160906:91595200:A:T pValue= 3.69222786041875e−17


A/A A/B B/B
60 44 14
MICA
1.0
0.5
0.0
−0.5
−1.0
A/A
A/B
B/B
rs3828882:31379620:G:A pValue= 4.67855363366552e−17


A/A A/B B/B
37 52 29
NCRNA00292
1.0
0.5
0.0
−0.5
−1.0
−1.5
A/A
A/B
B/B
rs2279692:213030534:C:T pValue= 4.9768985318577e−17


A/A A/B B/B
48 52 18
CECR1
1
0
−1
−2
A/A
A/B
B/B
rs11704361:17683675:G:T pValue= 5.3075374293927e−17


A/A A/B B/B
42 52 24
CRHR2
0.5
0.0
−0.5
A/A
A/B
B/B
rs24003 pValue= 5.3422603726107e−17