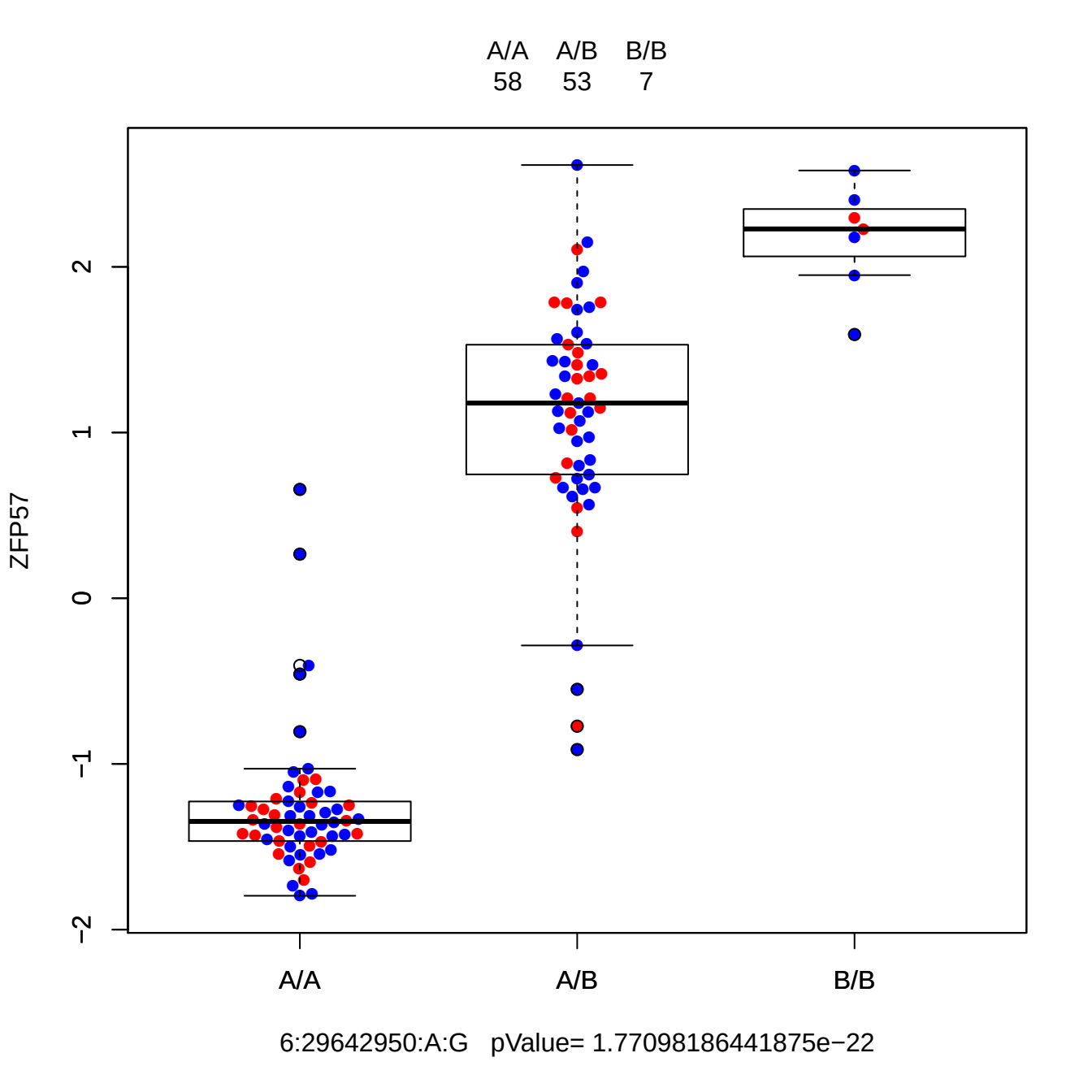
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58 53 7
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B/B
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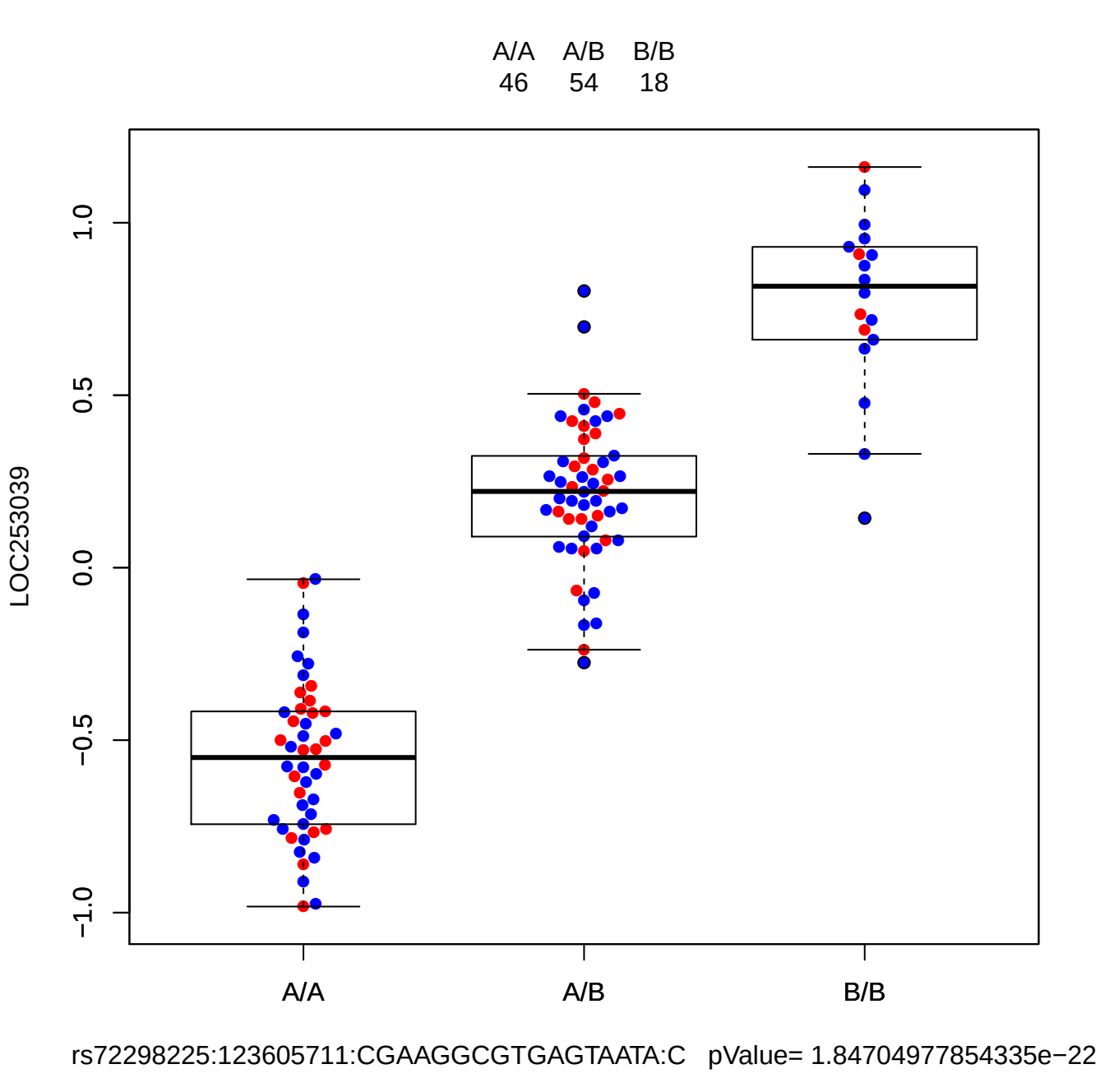
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A/B
B/B
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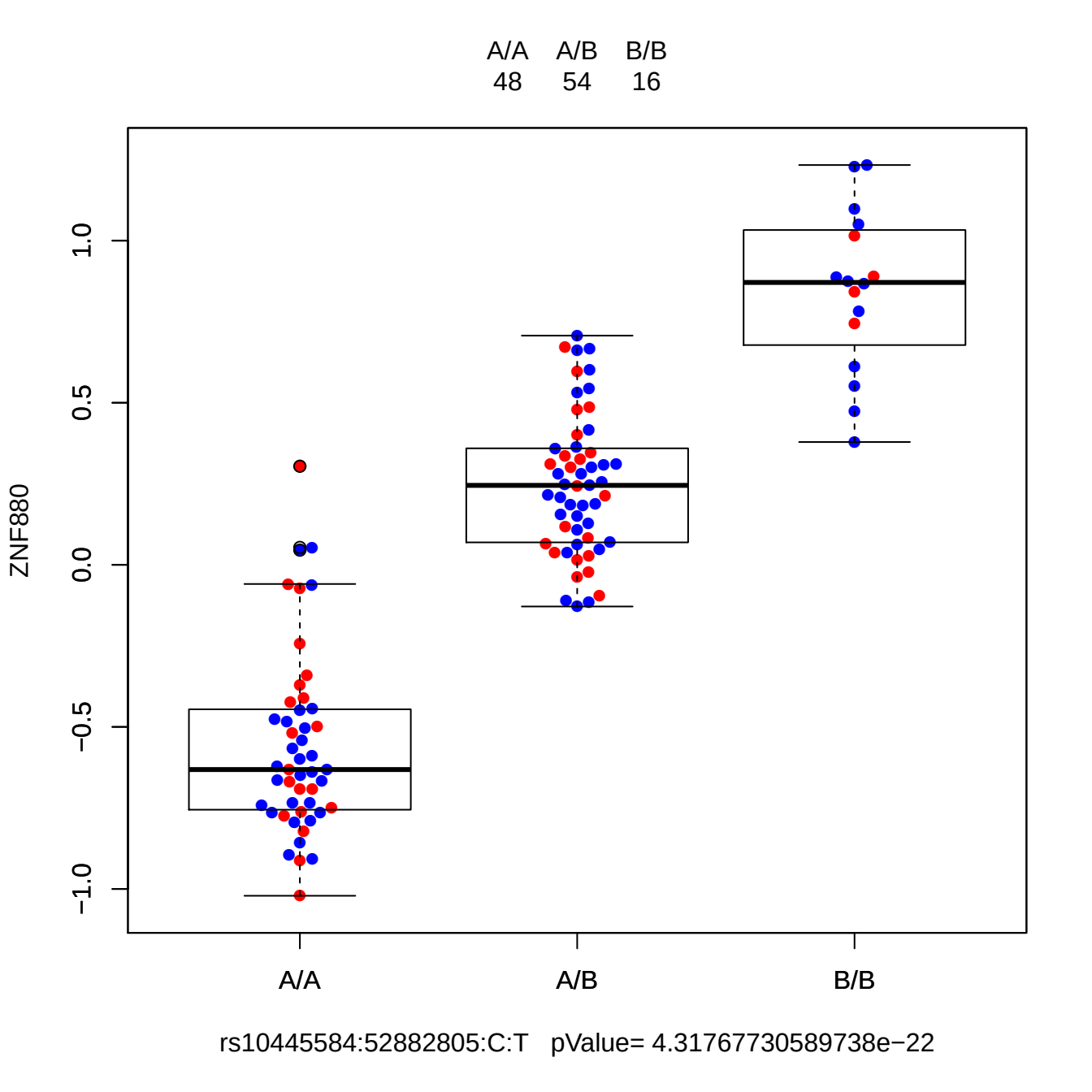
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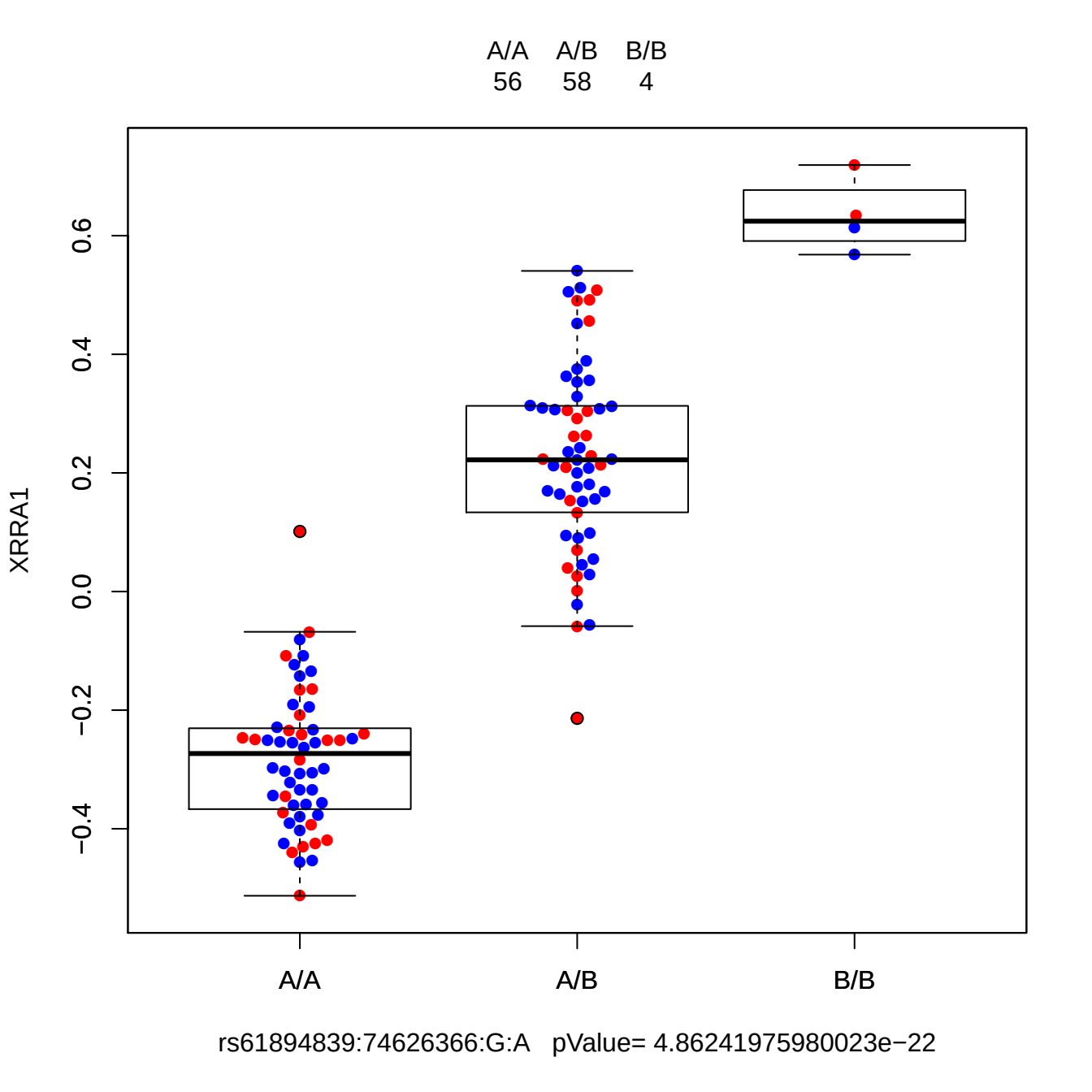
A/B
B/B
rs10445584:52882805:C:T pValue= 4.31767730589738e−22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0.2
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A/B
B/B
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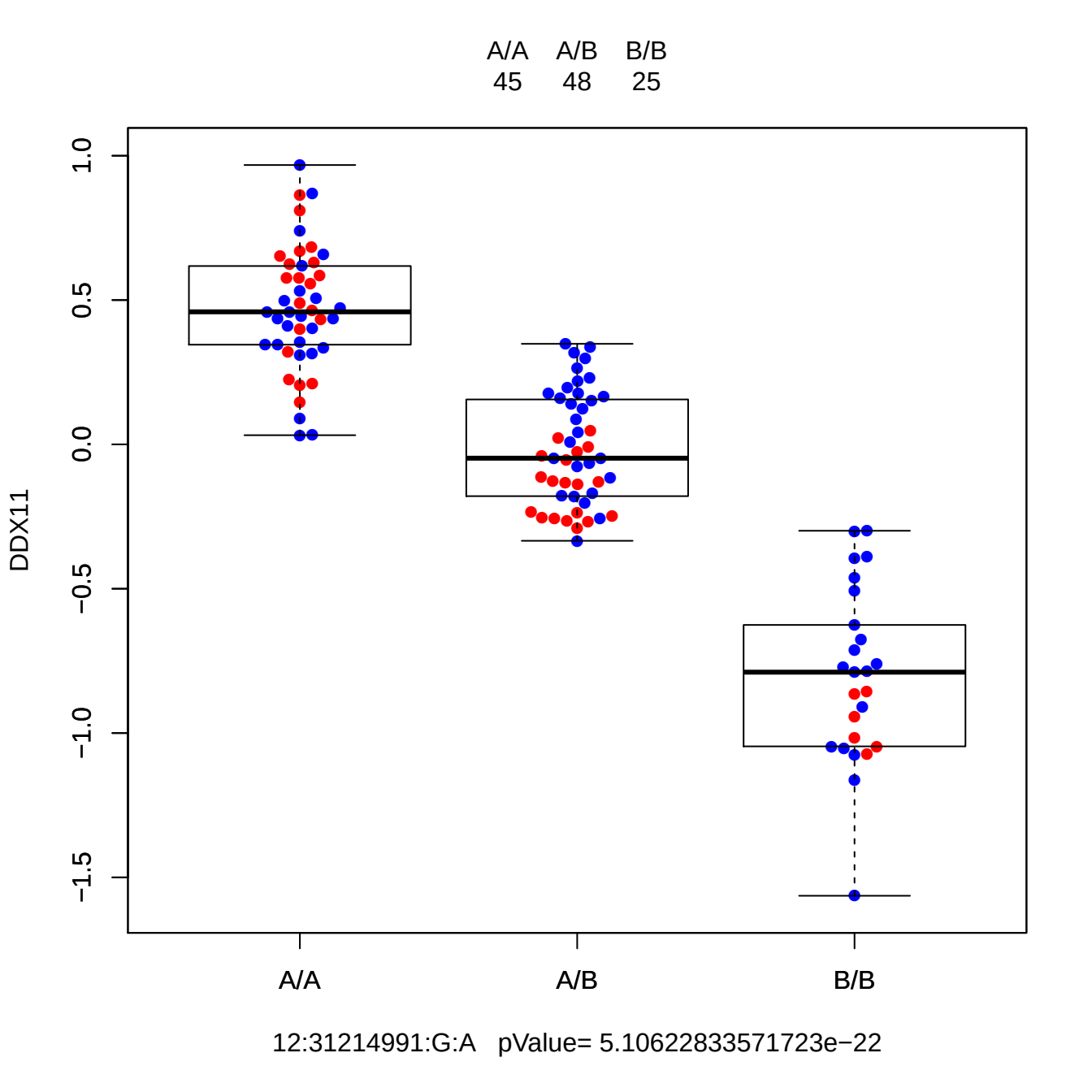
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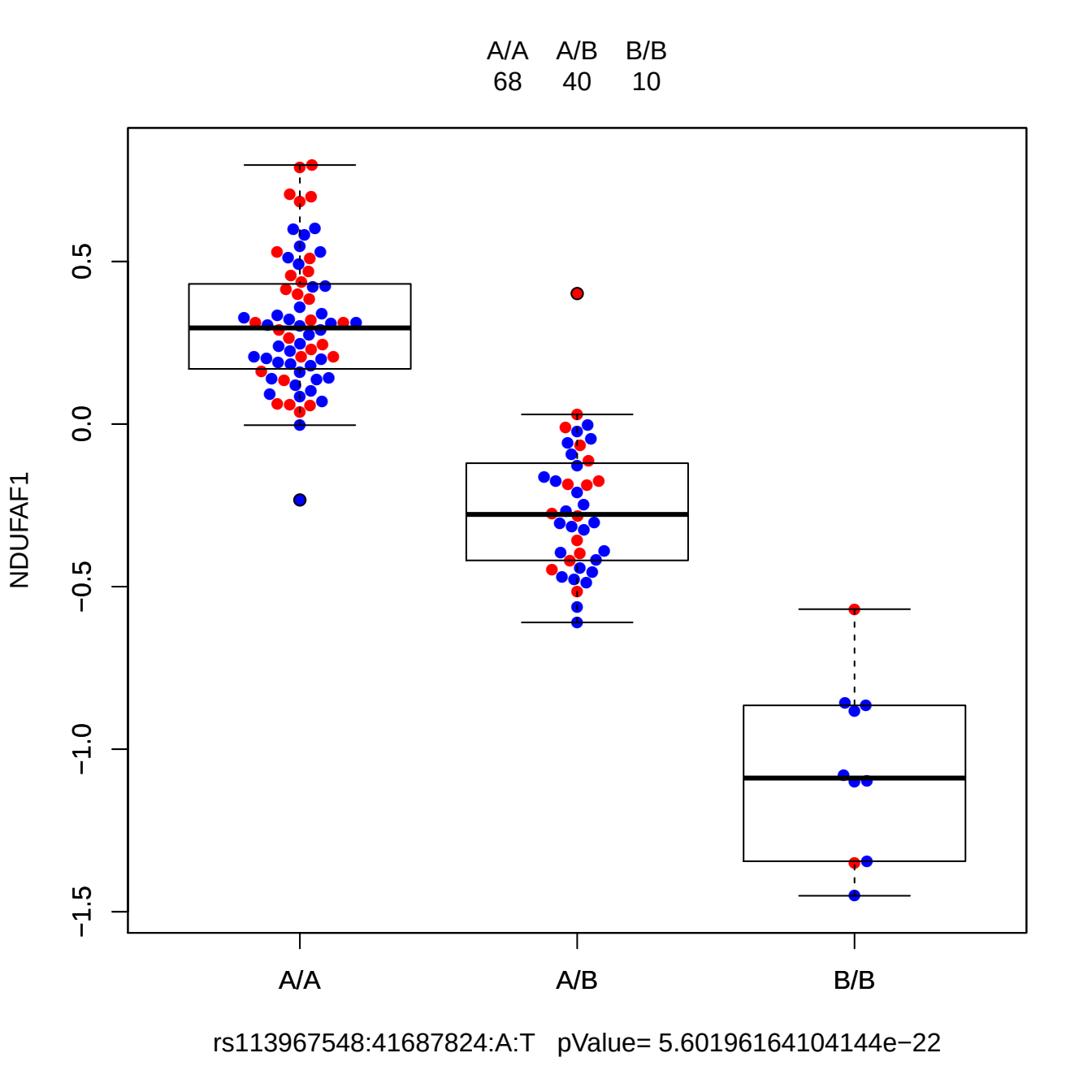
A/B
B/B
12:31214991:G:A pValue= 5.10622833571723e−22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0.0
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−1.5
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A/B
B/B
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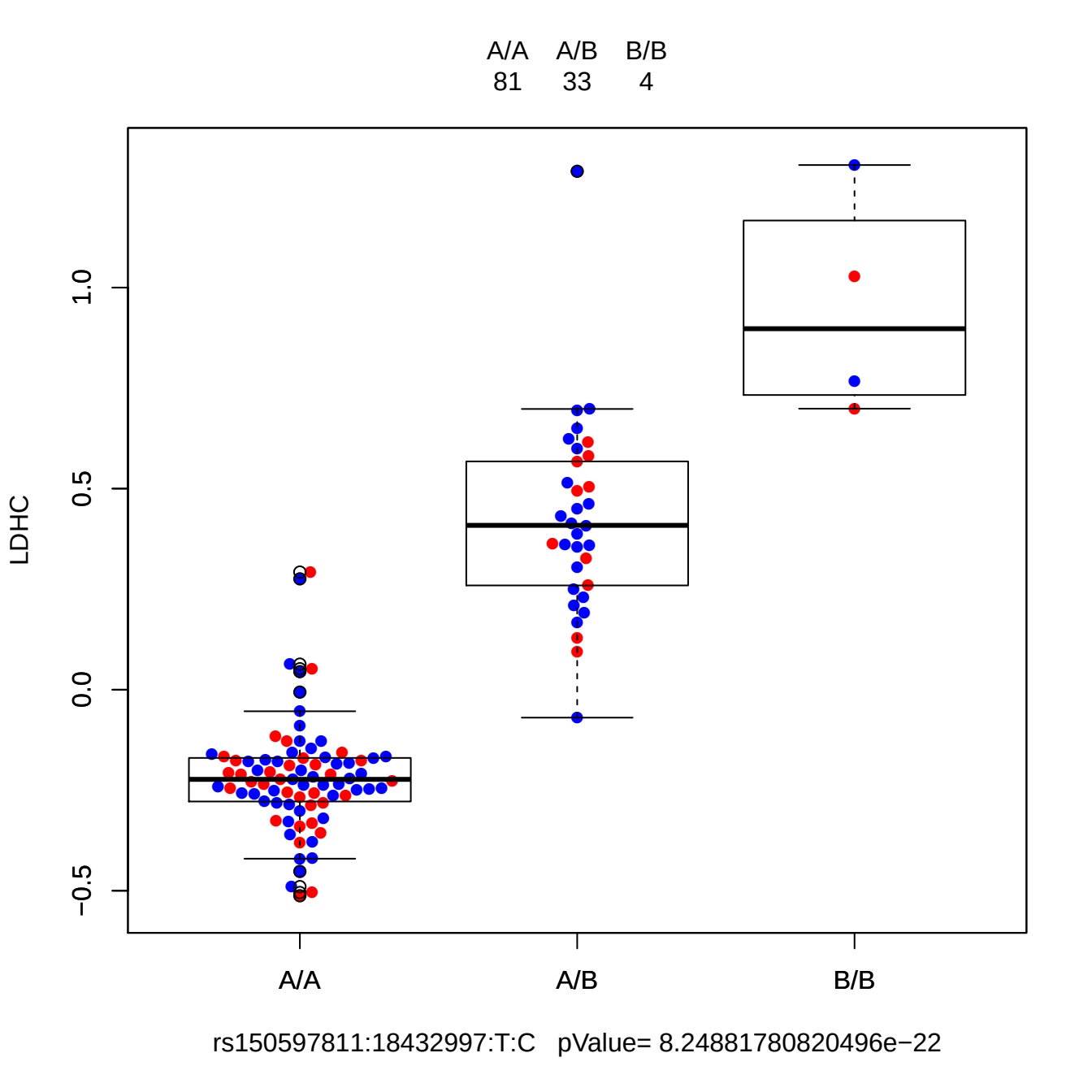
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81 33 4
LDHC
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A/B
B/B
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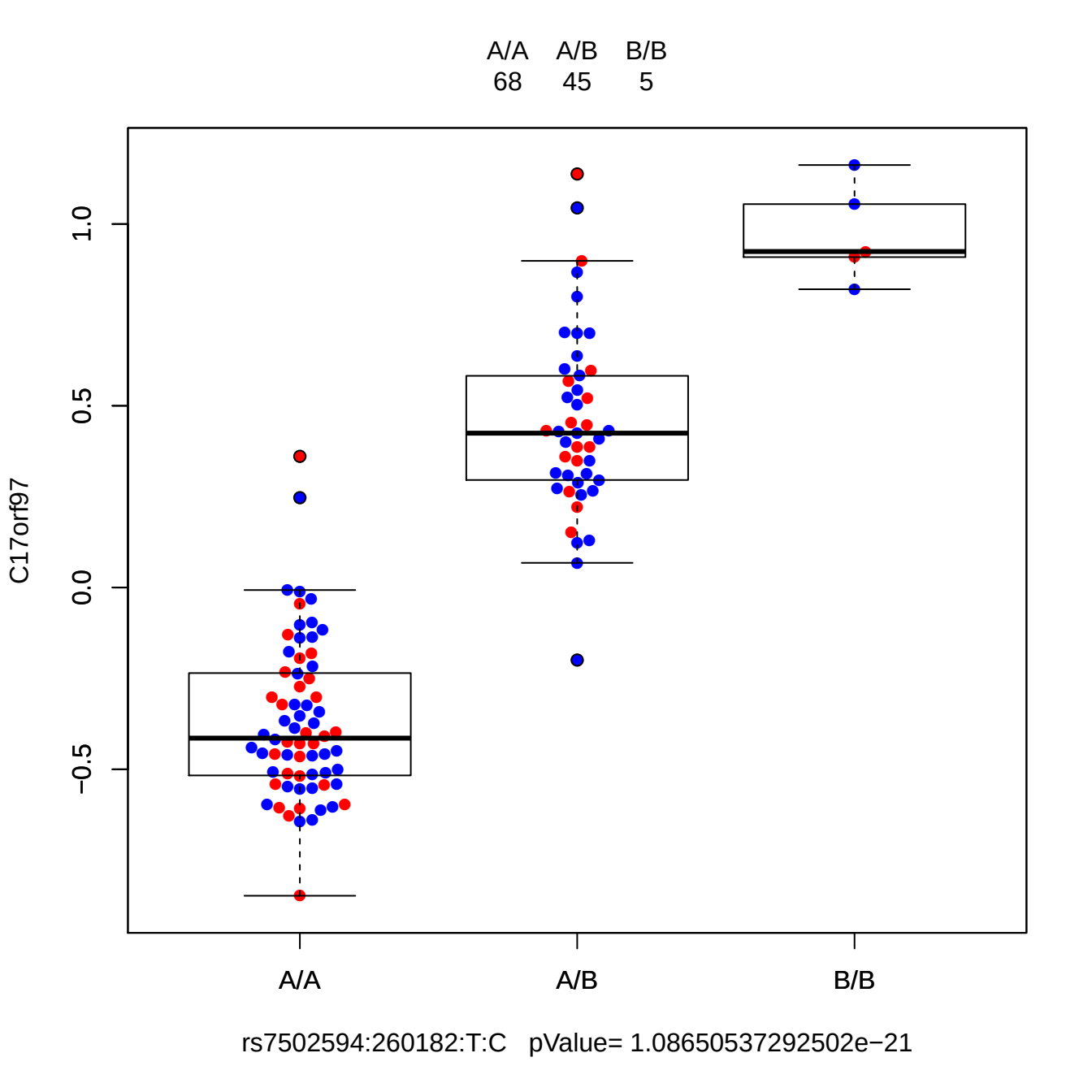
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A/B
B/B
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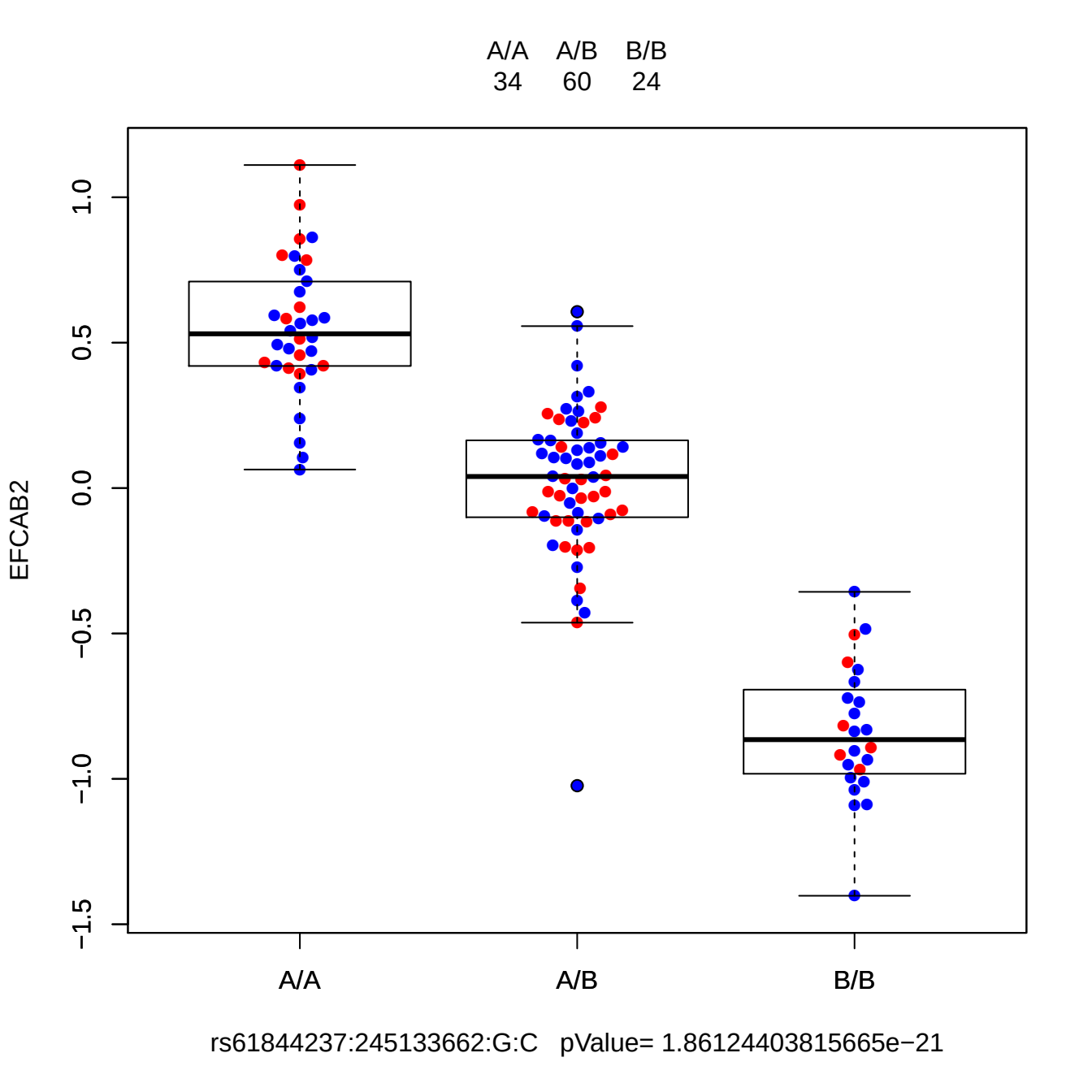
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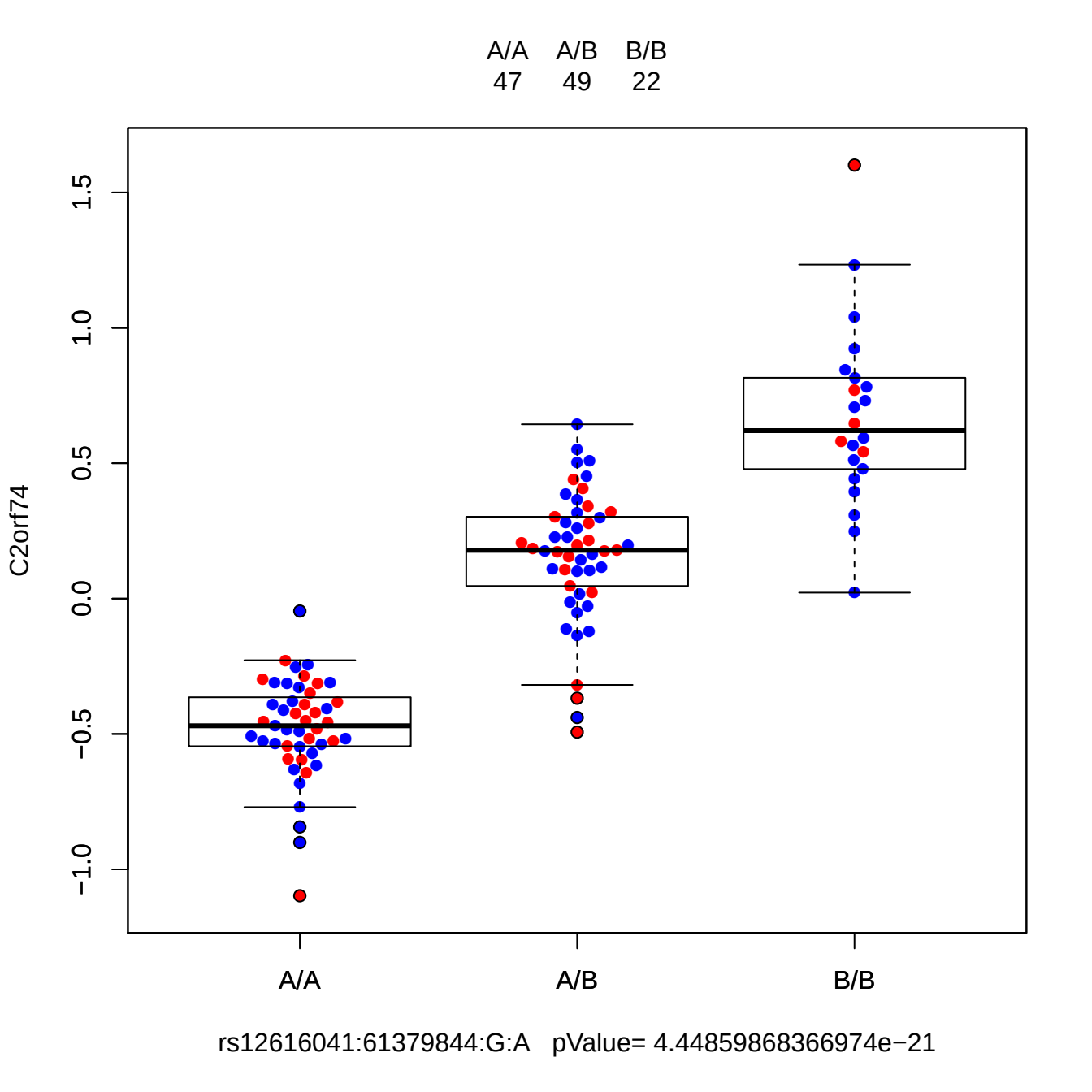
A/A
A/B
B/B
rs61844237:245133662:G:C pValue= 1.86124403815665e−21


A/A A/B B/B
47 49 22
C2orf74
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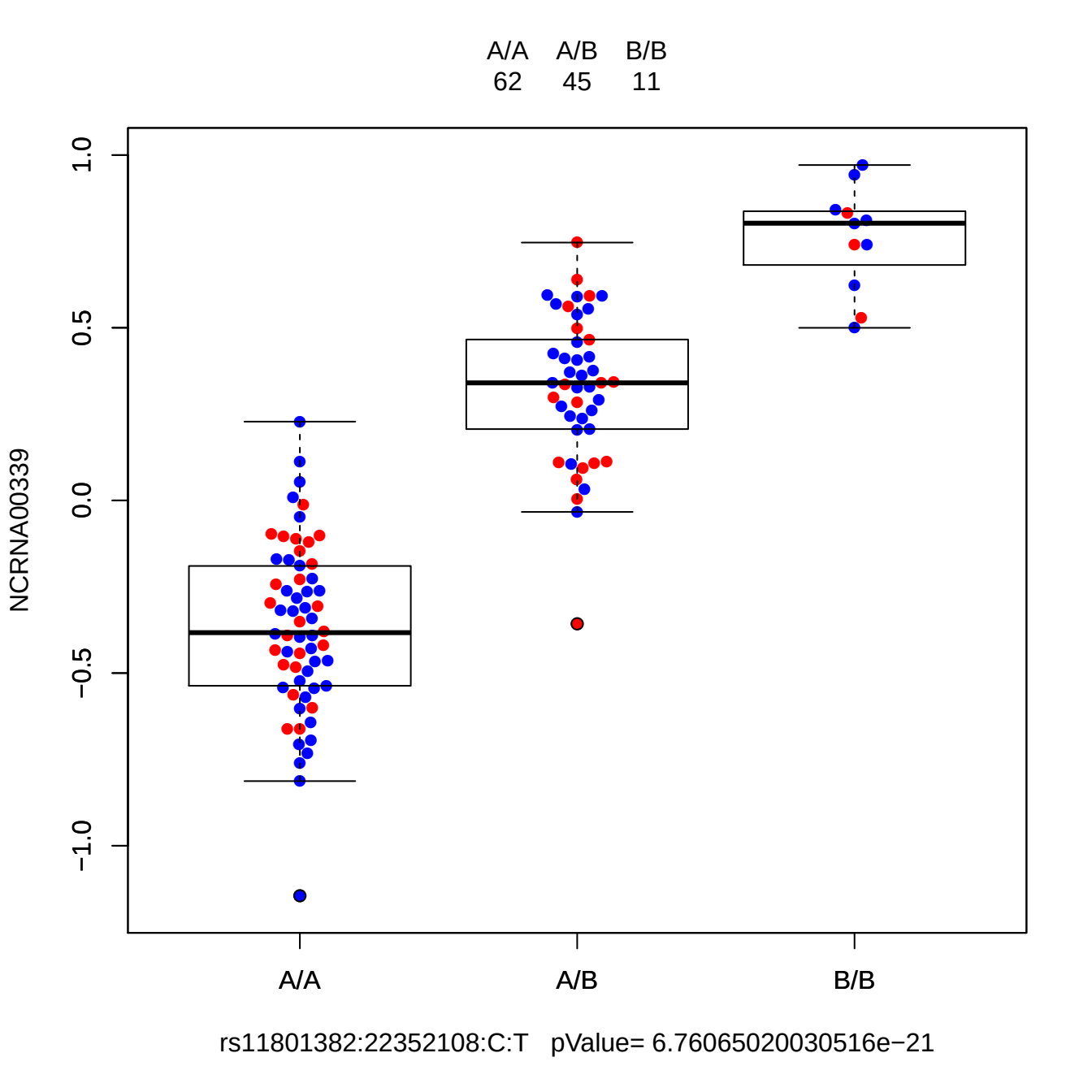
1.0
0.5
0.0
−0.5
−1.0
A/A
A/B
B/B
rs12616041:61379844:G:A pValue= 4.44859868366974e−21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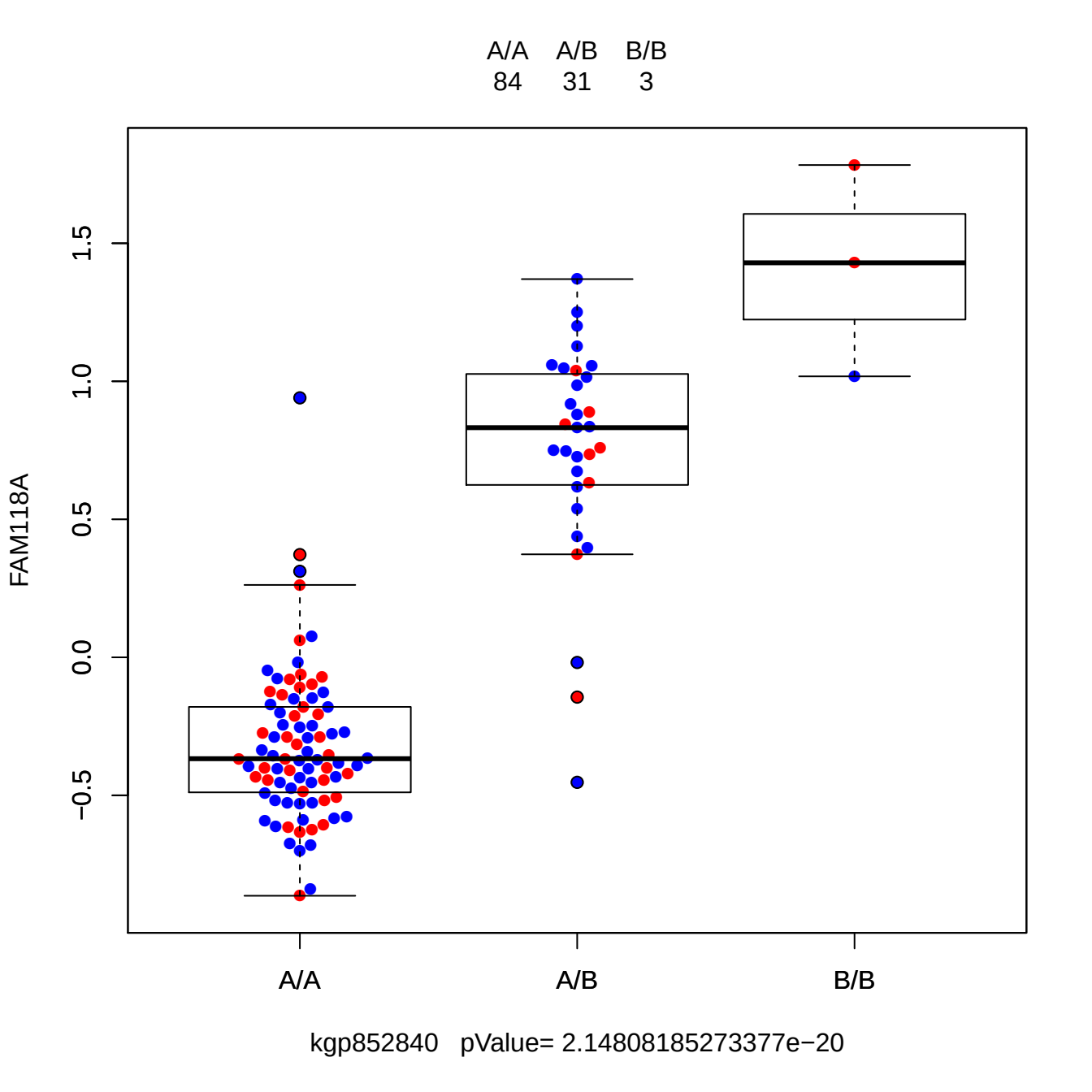
−1.0
A/A
A/B
B/B
rs11801382:22352108:C:T pValue= 6.76065020030516e−21


A/A A/B B/B
84 31 3
FAM118A
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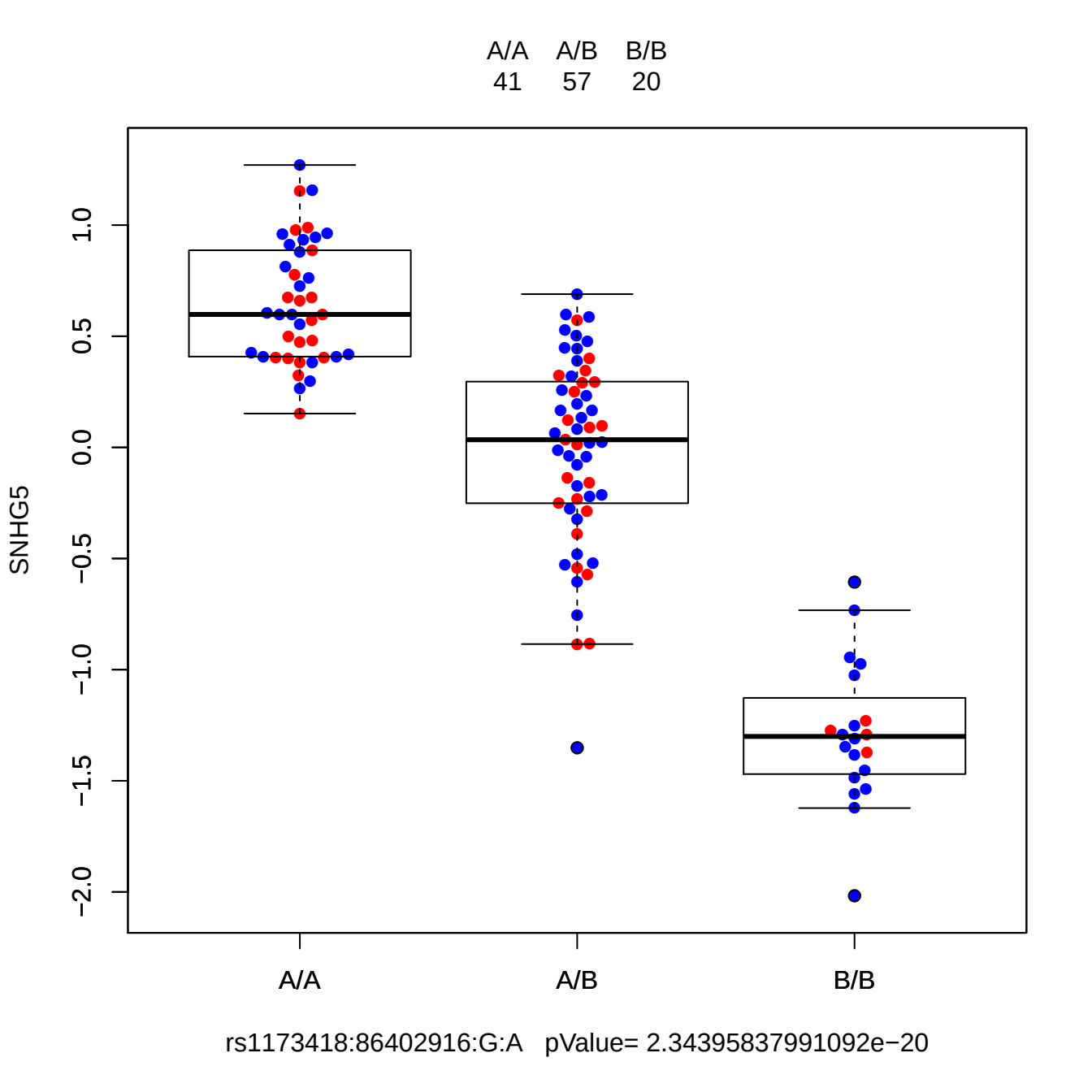
A/A
A/B
B/B
kgp852840 pValue= 2.14808185273377e−20


A/A A/B B/B
41 57 20
SNHG5
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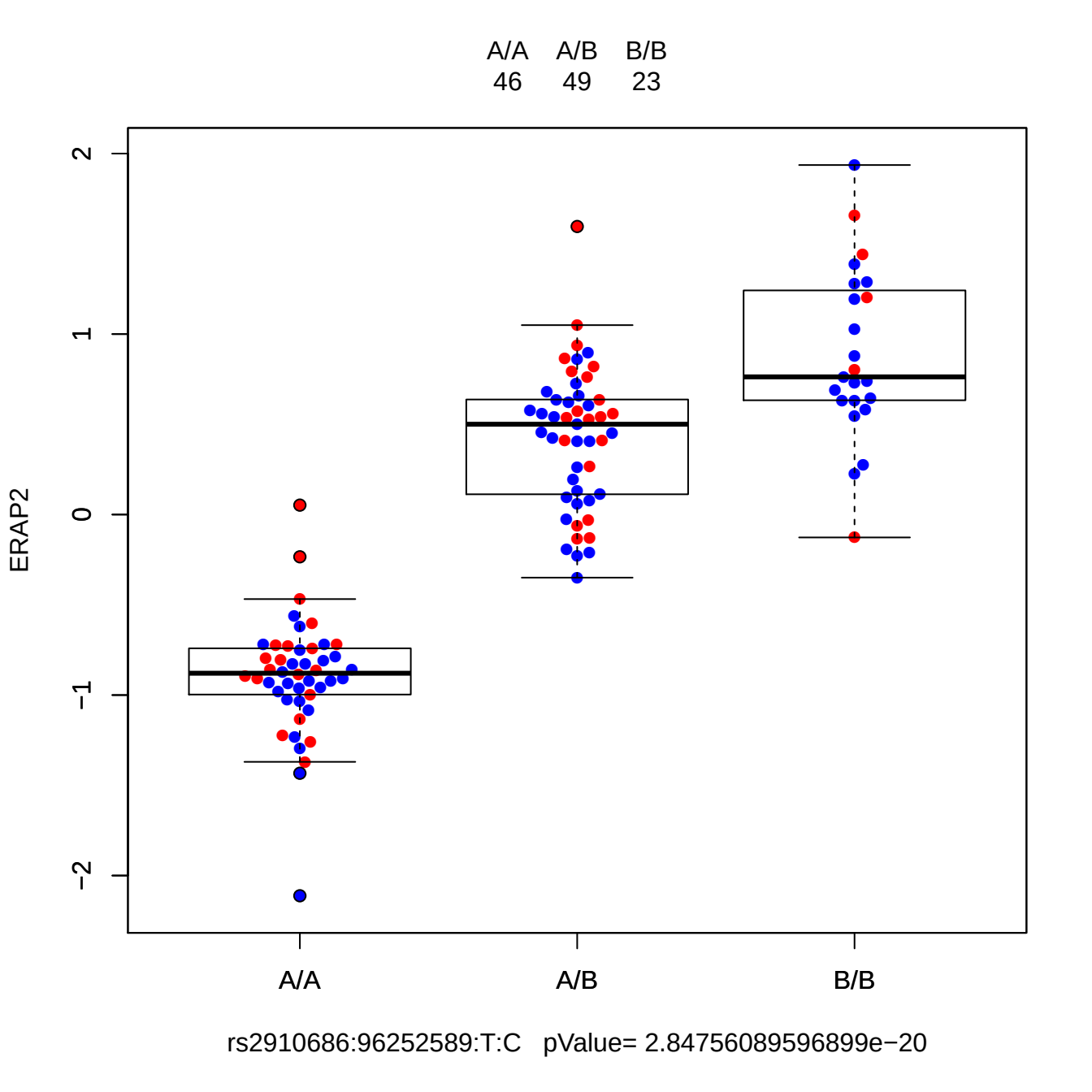
0.0
−0.5
−1.0
−1.5
−2.0
A/A
A/B
B/B
rs1173418:86402916:G:A pValue= 2.34395837991092e−20


A/A A/B B/B
46 49 23
ERAP2
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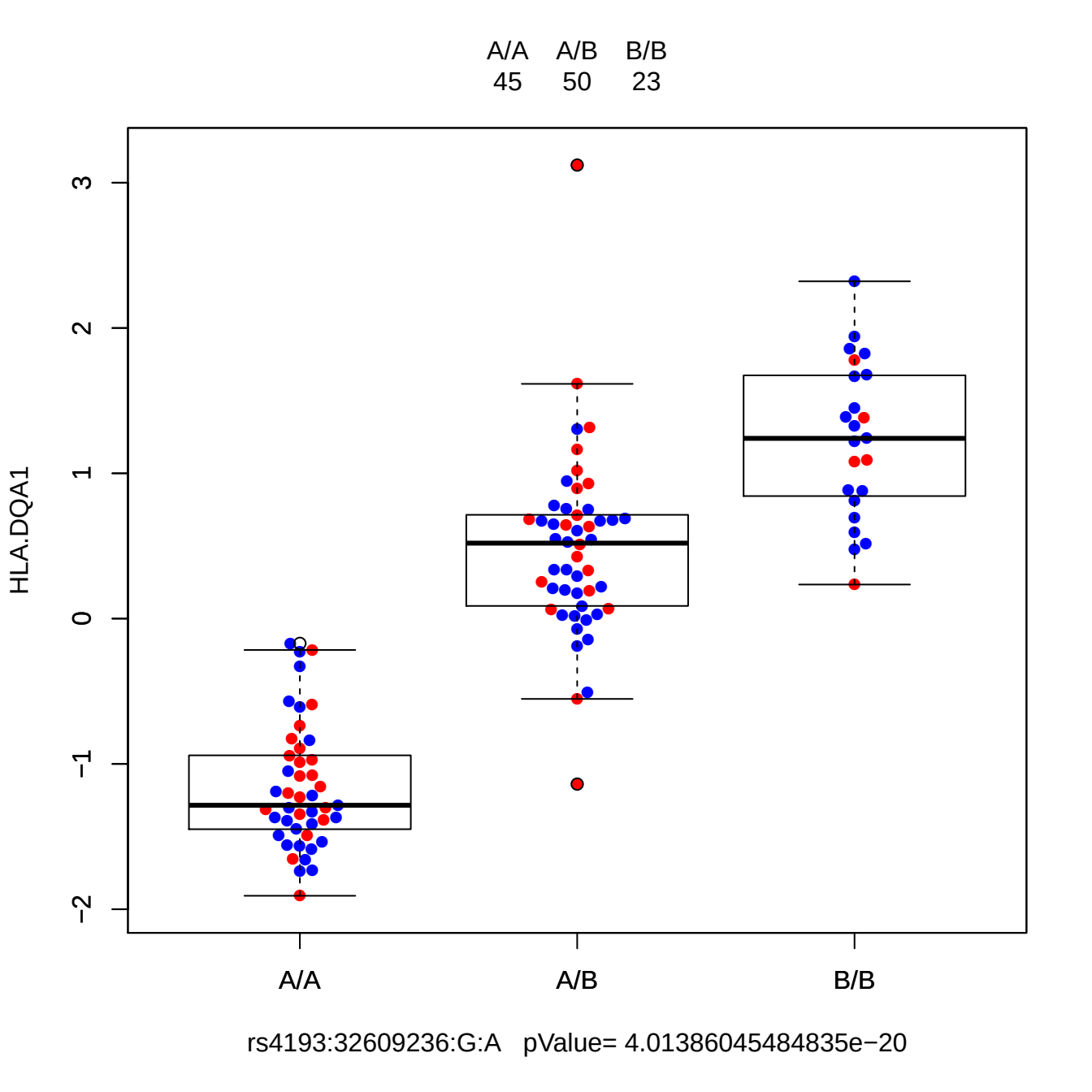
−2
A/A
A/B
B/B
rs2910686:96252589:T:C pValue= 2.84756089596899e−20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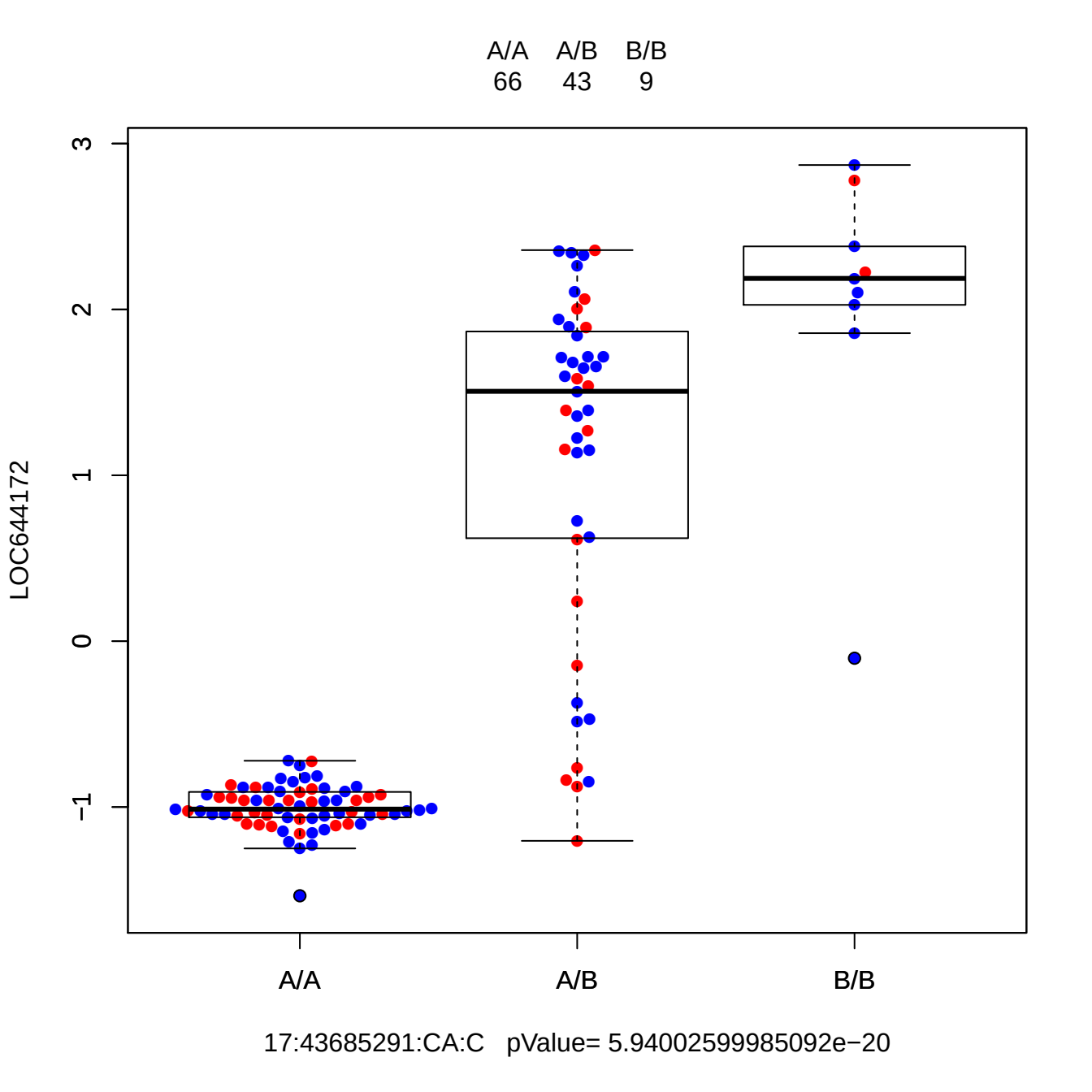
1
0
−1
−2
A/A
A/B
B/B
rs4193:32609236:G:A pValue= 4.01386045484835e−20


A/A A/B B/B
66 43 9
LOC644172
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A/A
A/B
B/B
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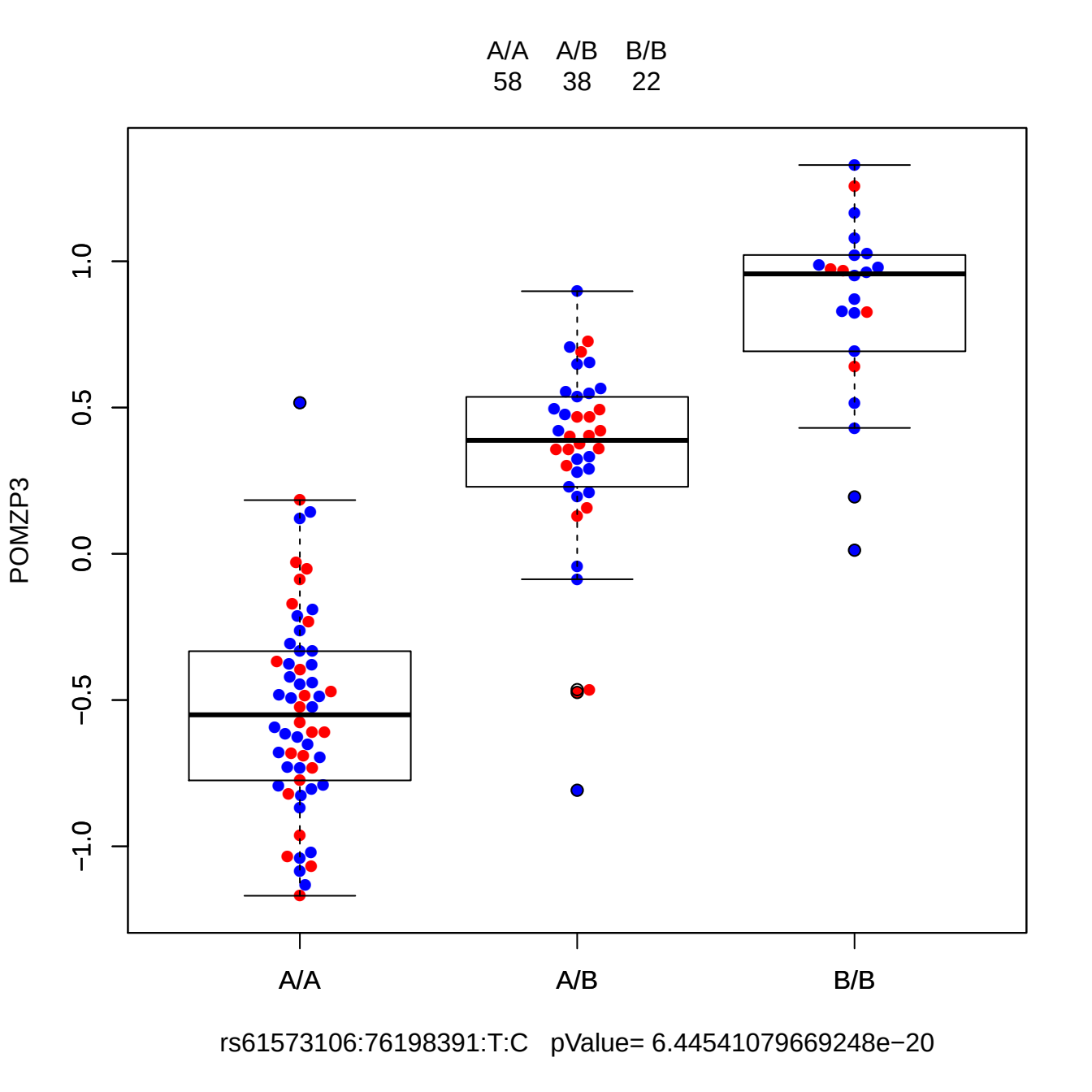
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A/B
B/B
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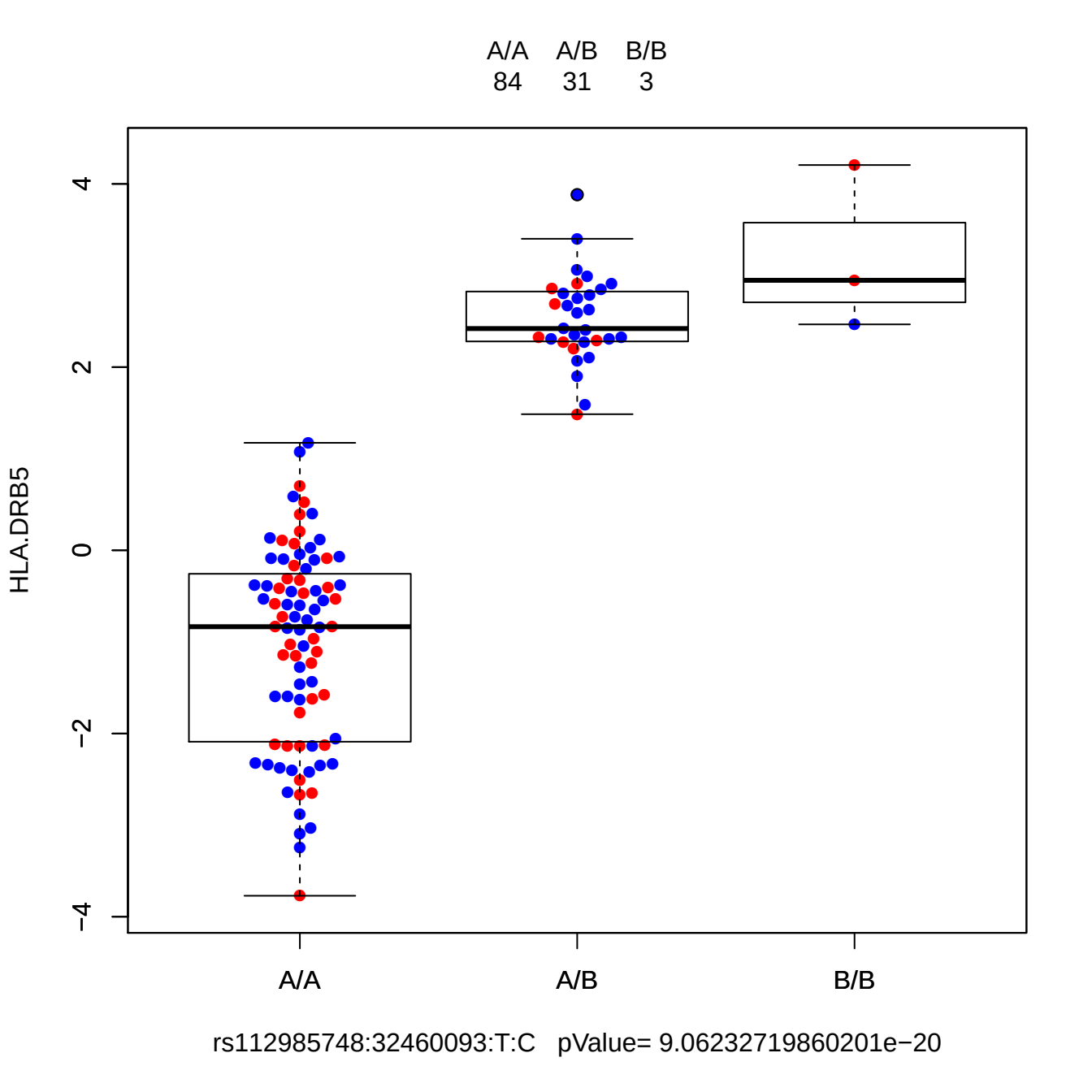
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−4
A/A
A/B
B/B
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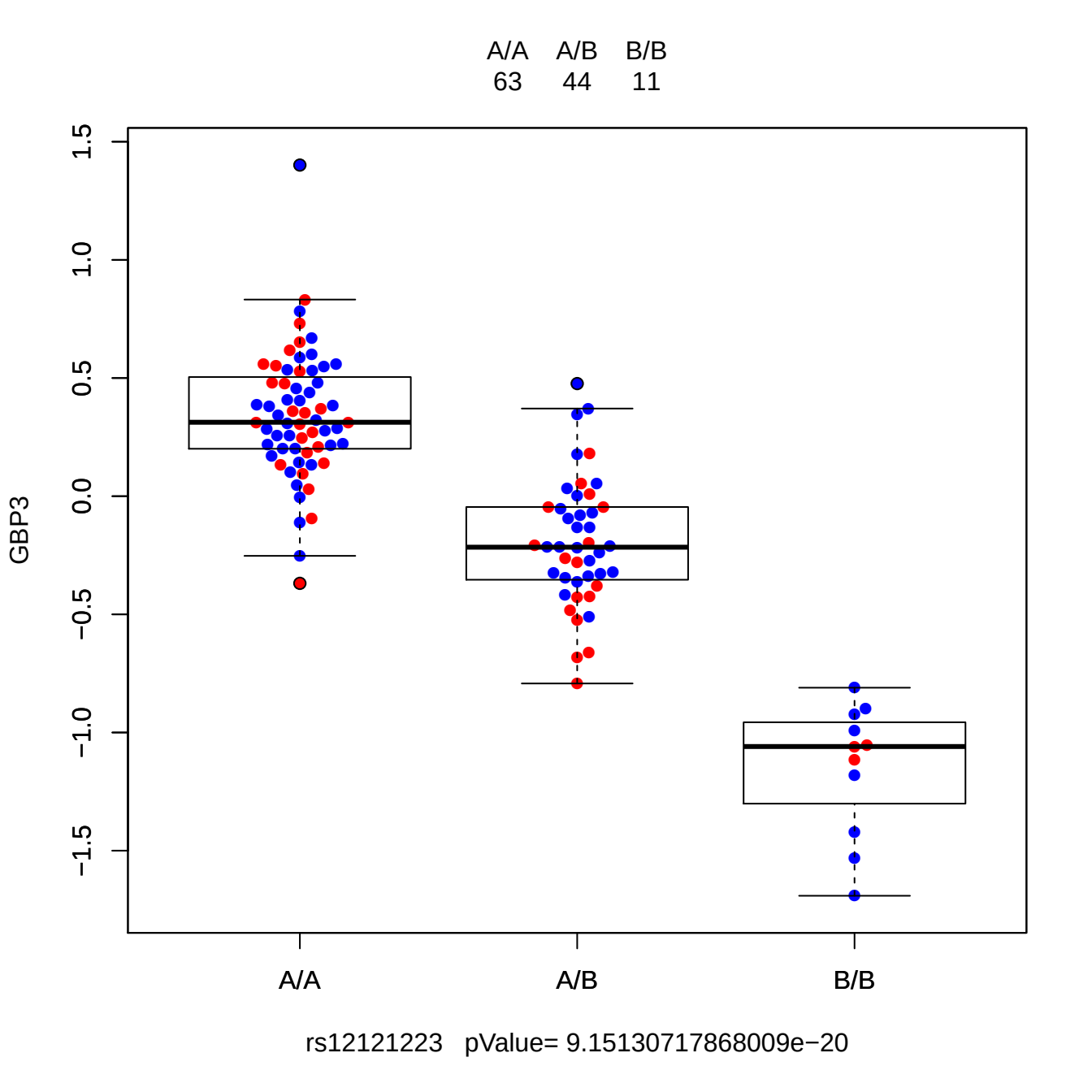
A/A A/B B/B
63 44 11
GBP3
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0.5
0.0
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−1.0
−1.5
A/A
A/B
B/B
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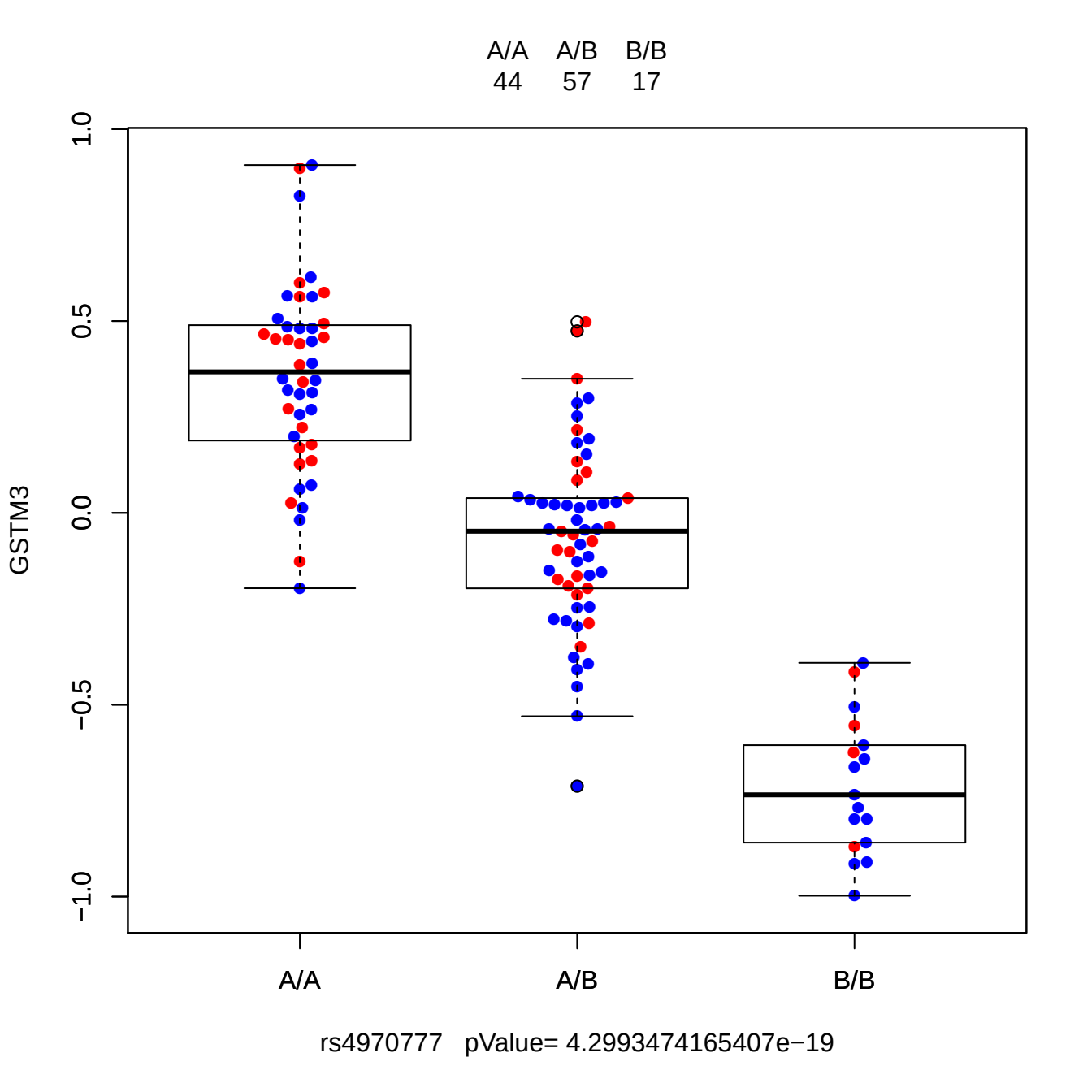
A/A A/B B/B
44 57 17
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0.0
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−1.0
GSTM3
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A/B
B/B
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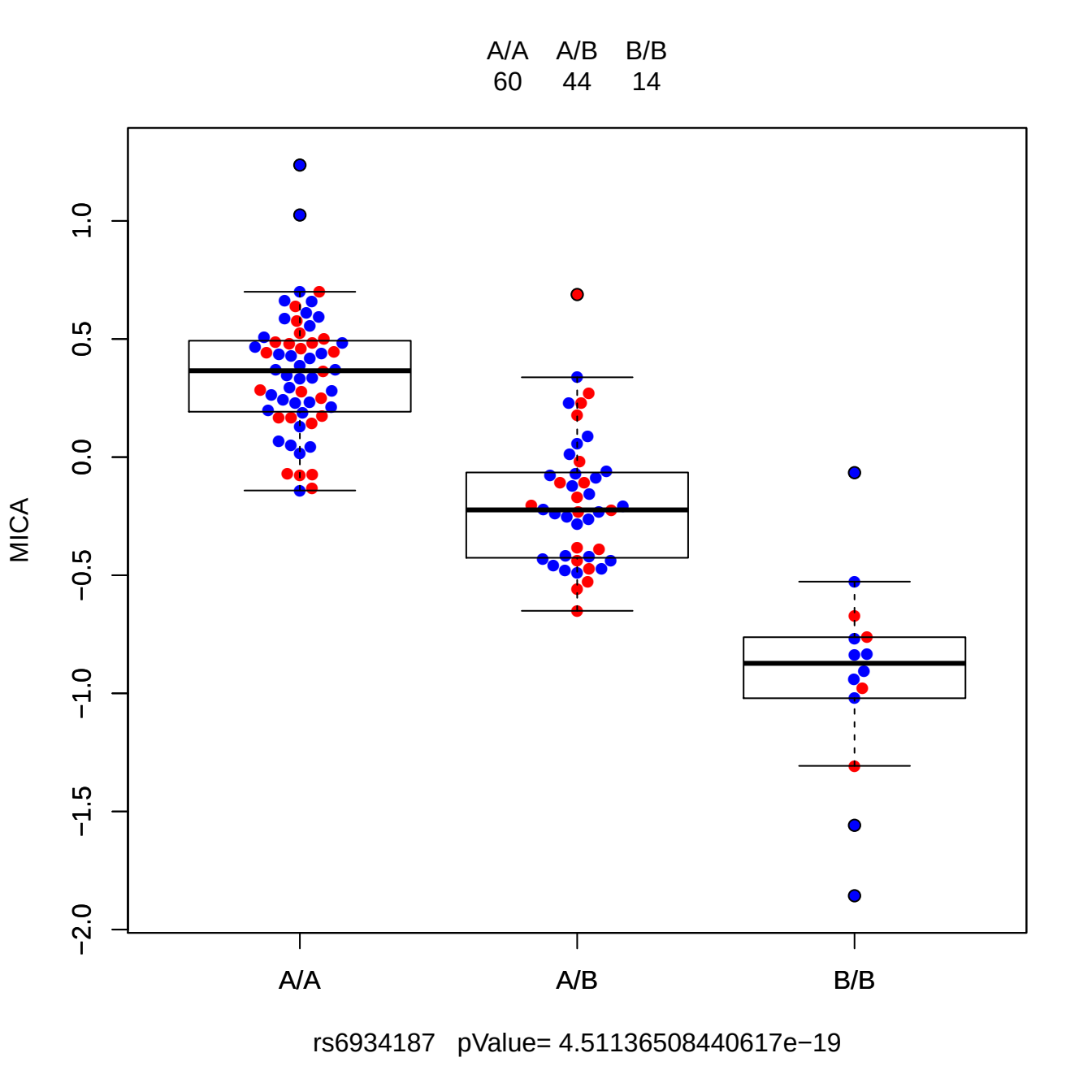
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MICA
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0.0
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−1.5
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A/A
A/B
B/B
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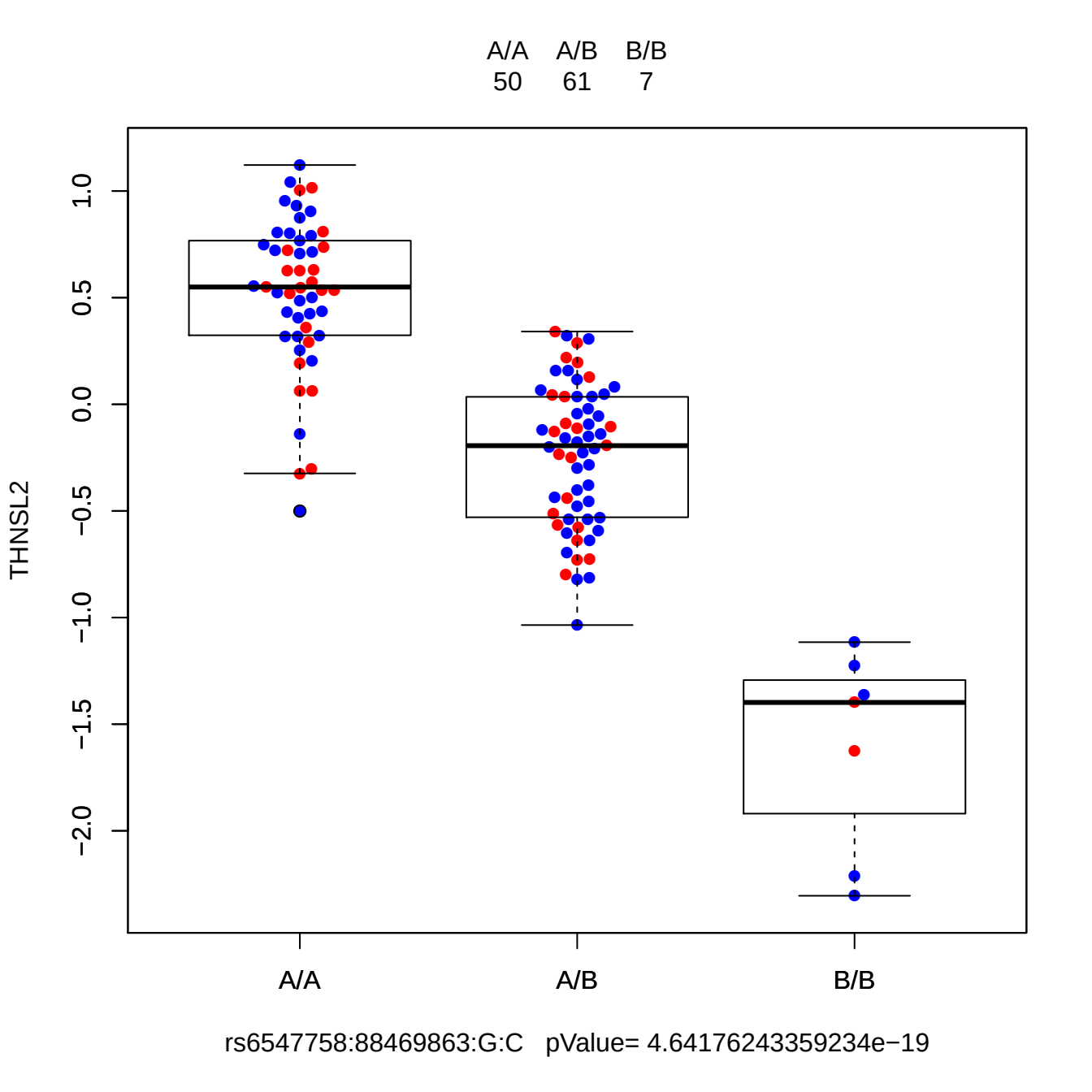
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THNSL2
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A/B
B/B
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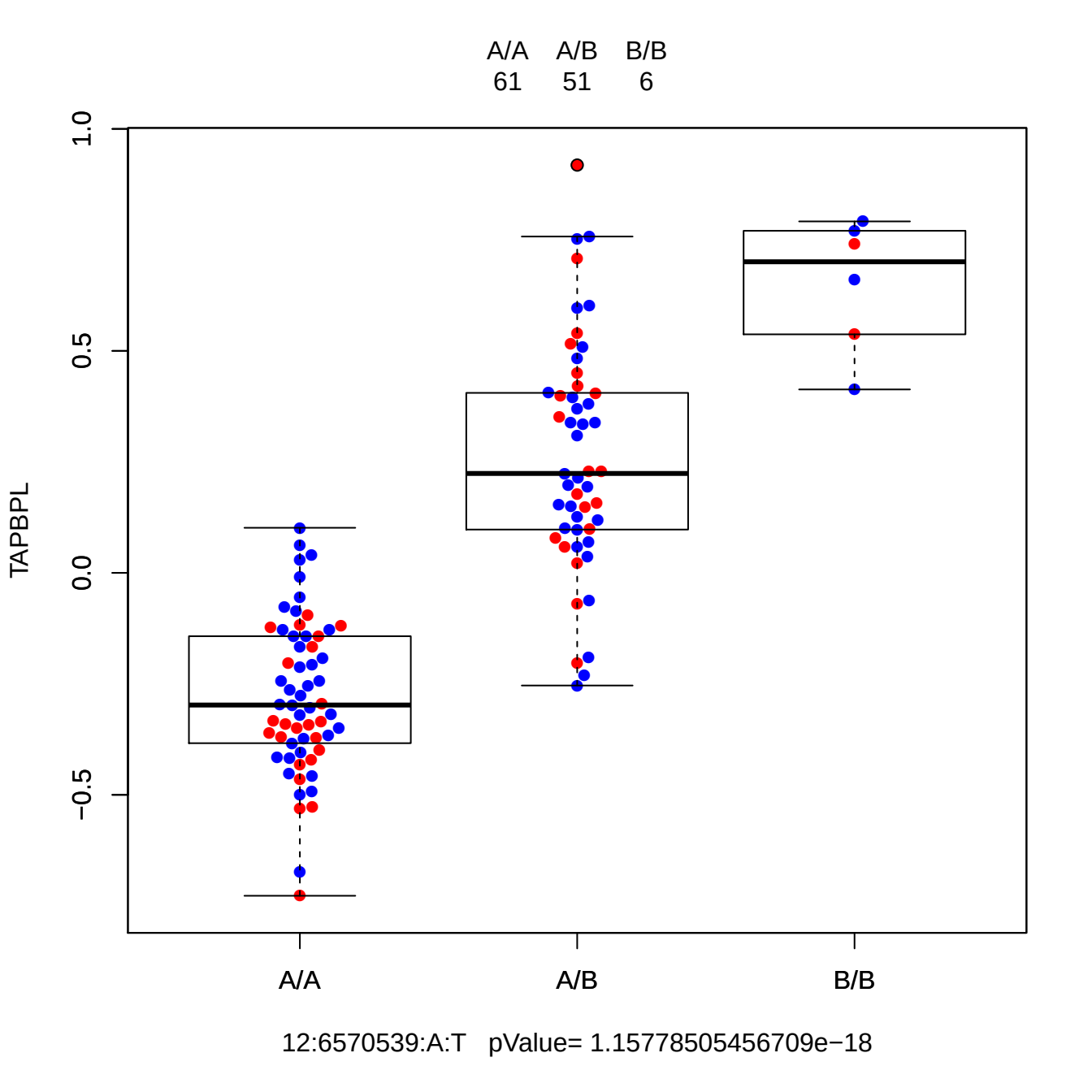
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A/B
B/B
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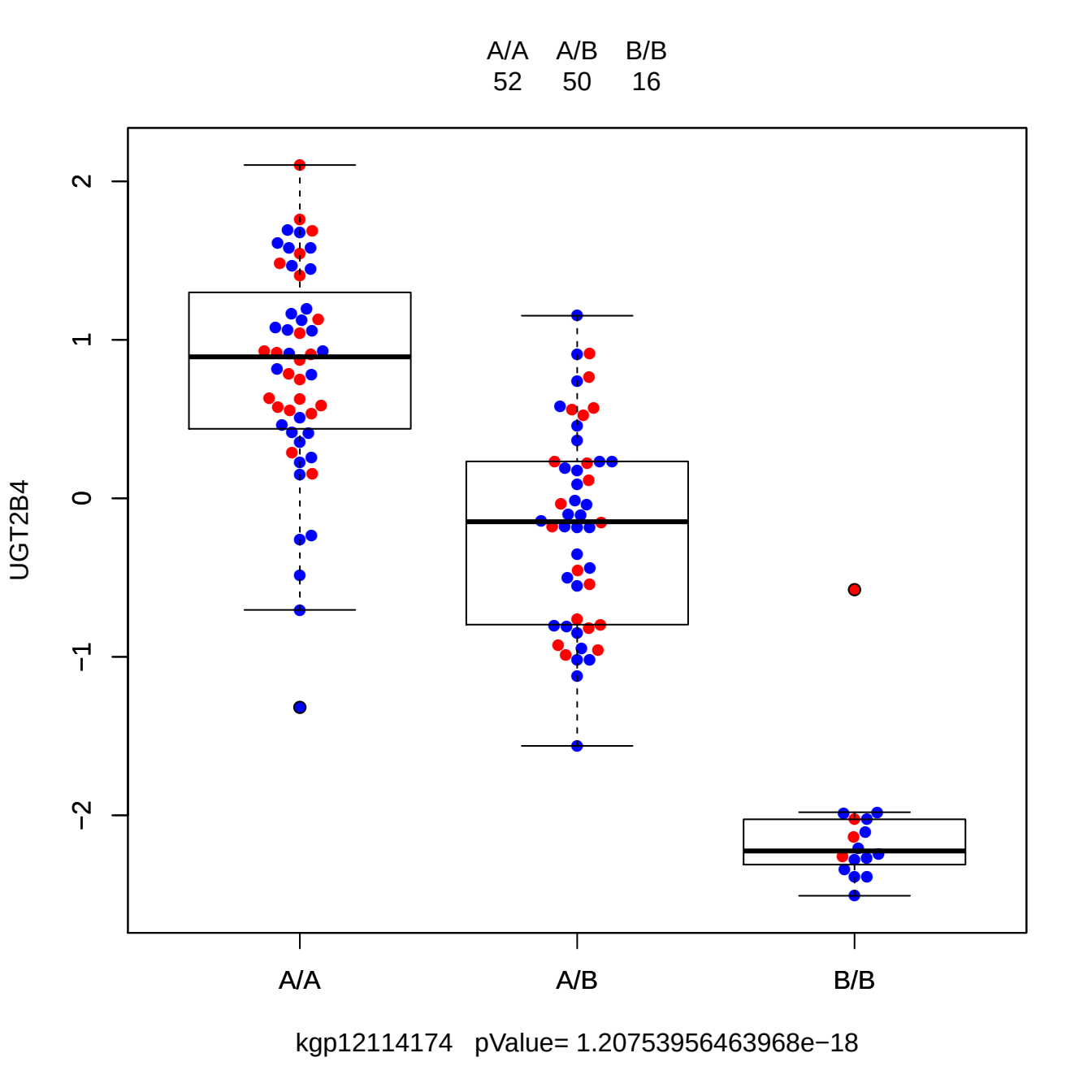
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52 50 16
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−1
−2
A/A
A/B
B/B
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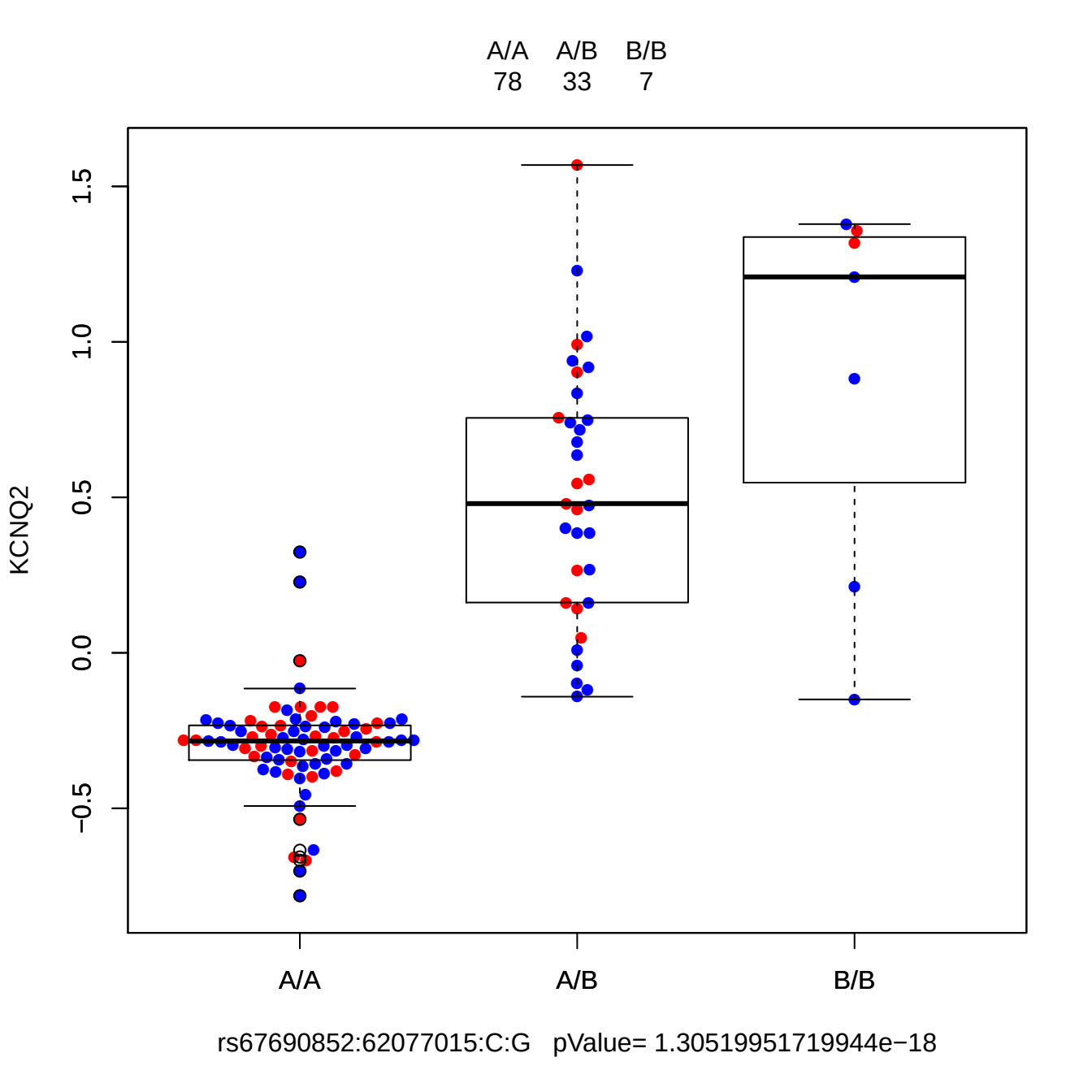
A/A A/B B/B
78 33 7
KCNQ2
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A/B
B/B
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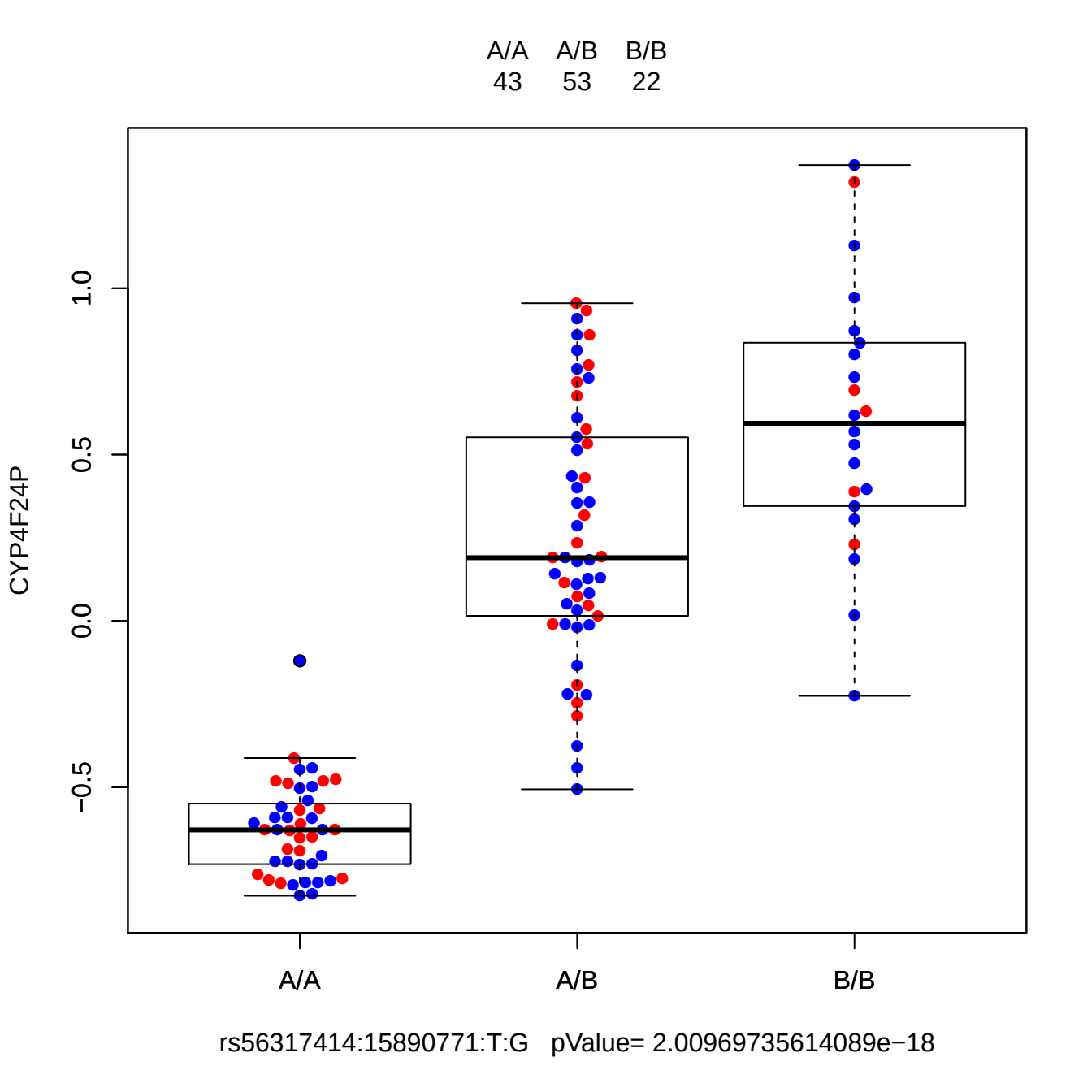
A/A A/B B/B
43 53 22
CYP4F24P
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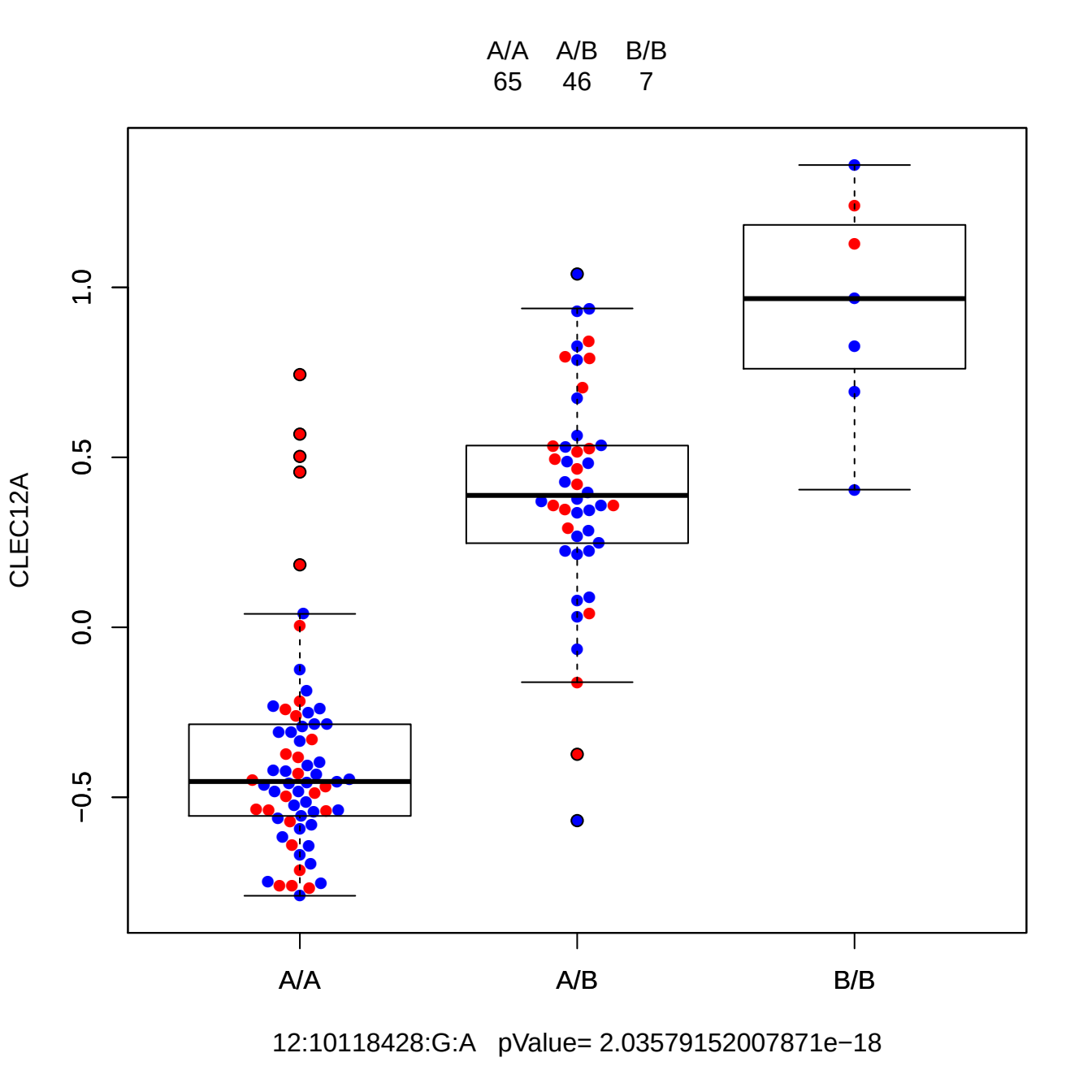
A/A
A/B
B/B
rs56317414:15890771:T:G pValue= 2.00969735614089e−18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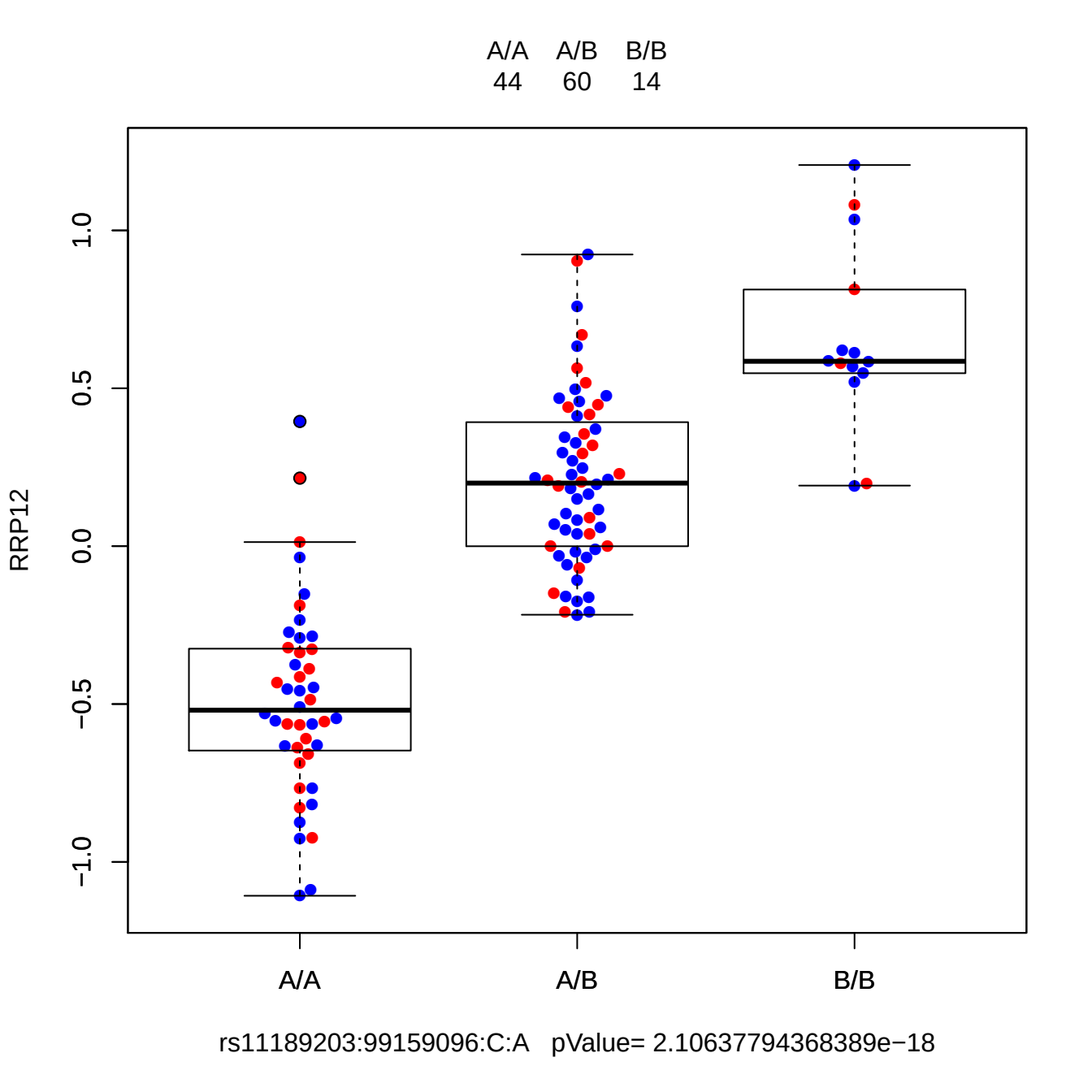
A/A
A/B
B/B
12:10118428:G:A pValue= 2.03579152007871e−18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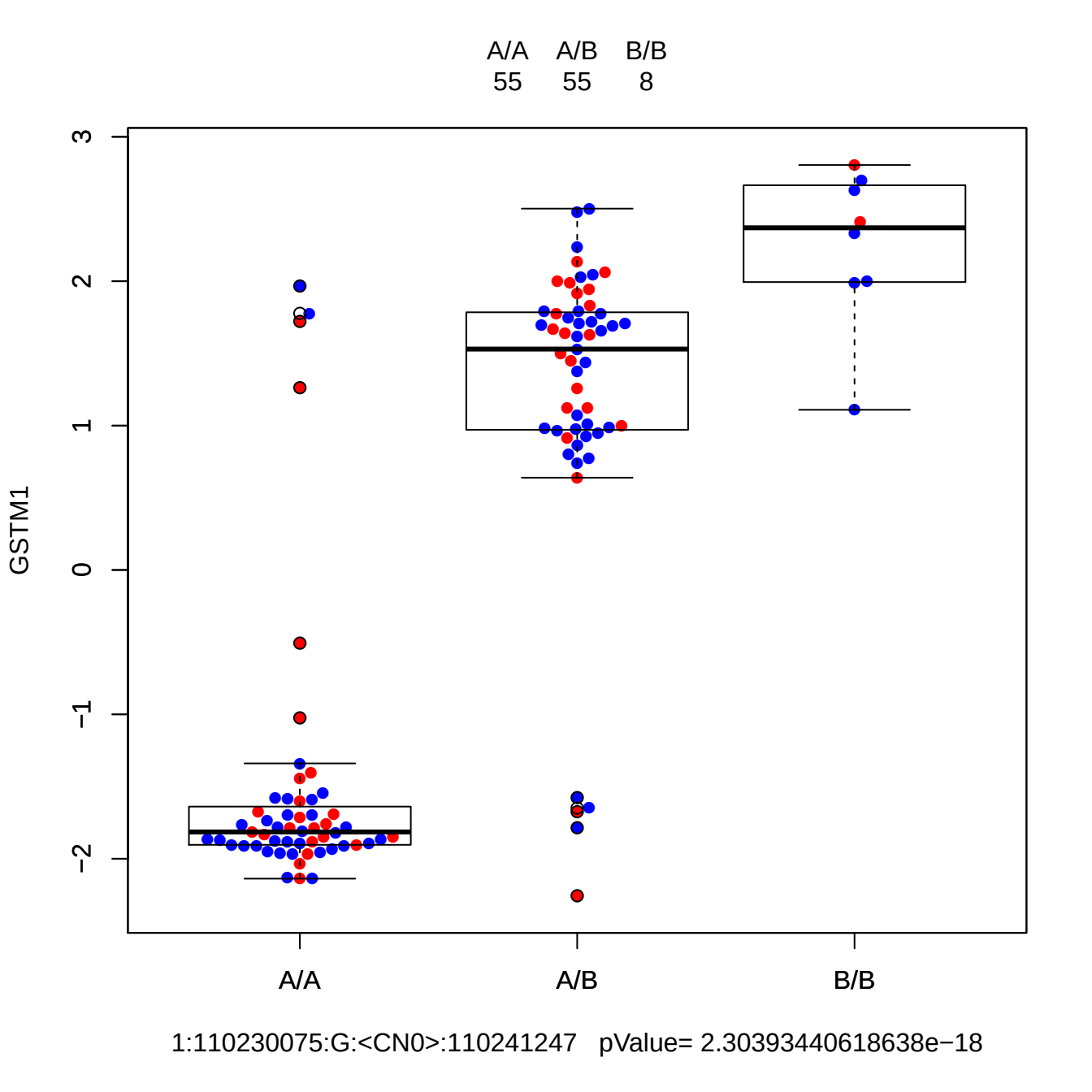
A/A
A/B
B/B
rs11189203:99159096:C:A pValue= 2.10637794368389e−18


A/A A/B B/B
55 55 8
GSTM1
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2
1
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−1
−2
A/A
A/B
B/B
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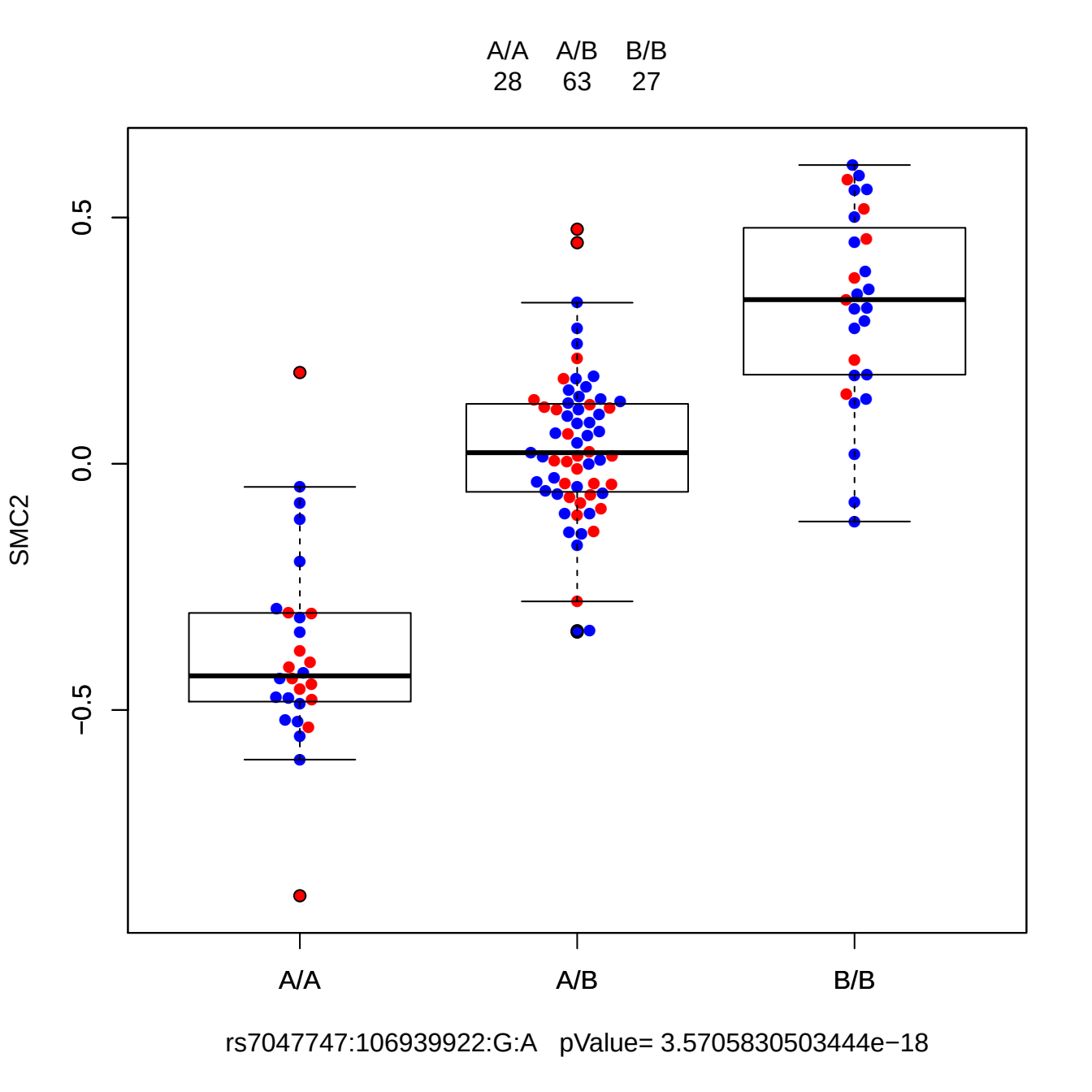
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28 63 27
SMC2
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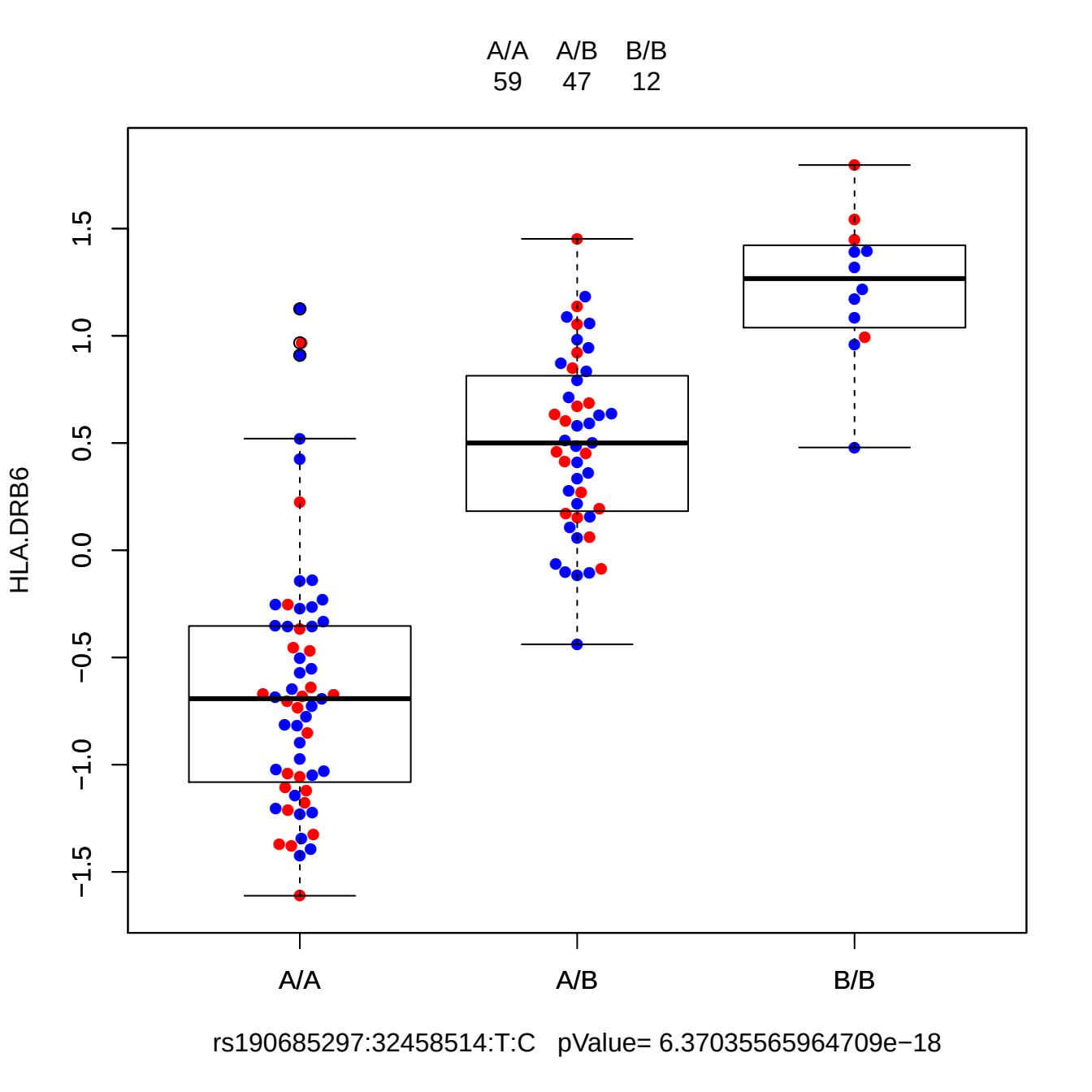
A/A
A/B
B/B
rs7047747:106939922:G:A pValue= 3.5705830503444e−18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59 47 12
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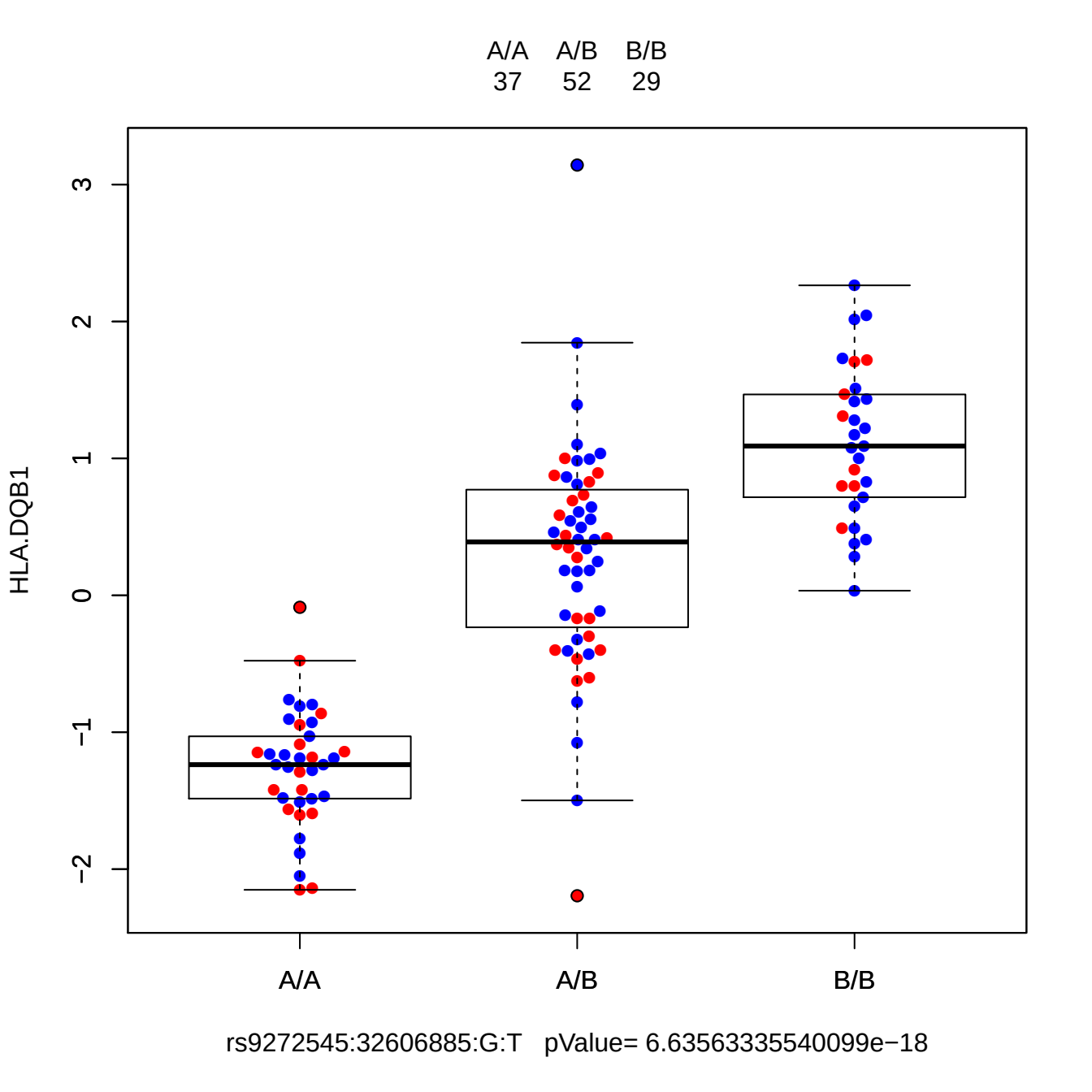
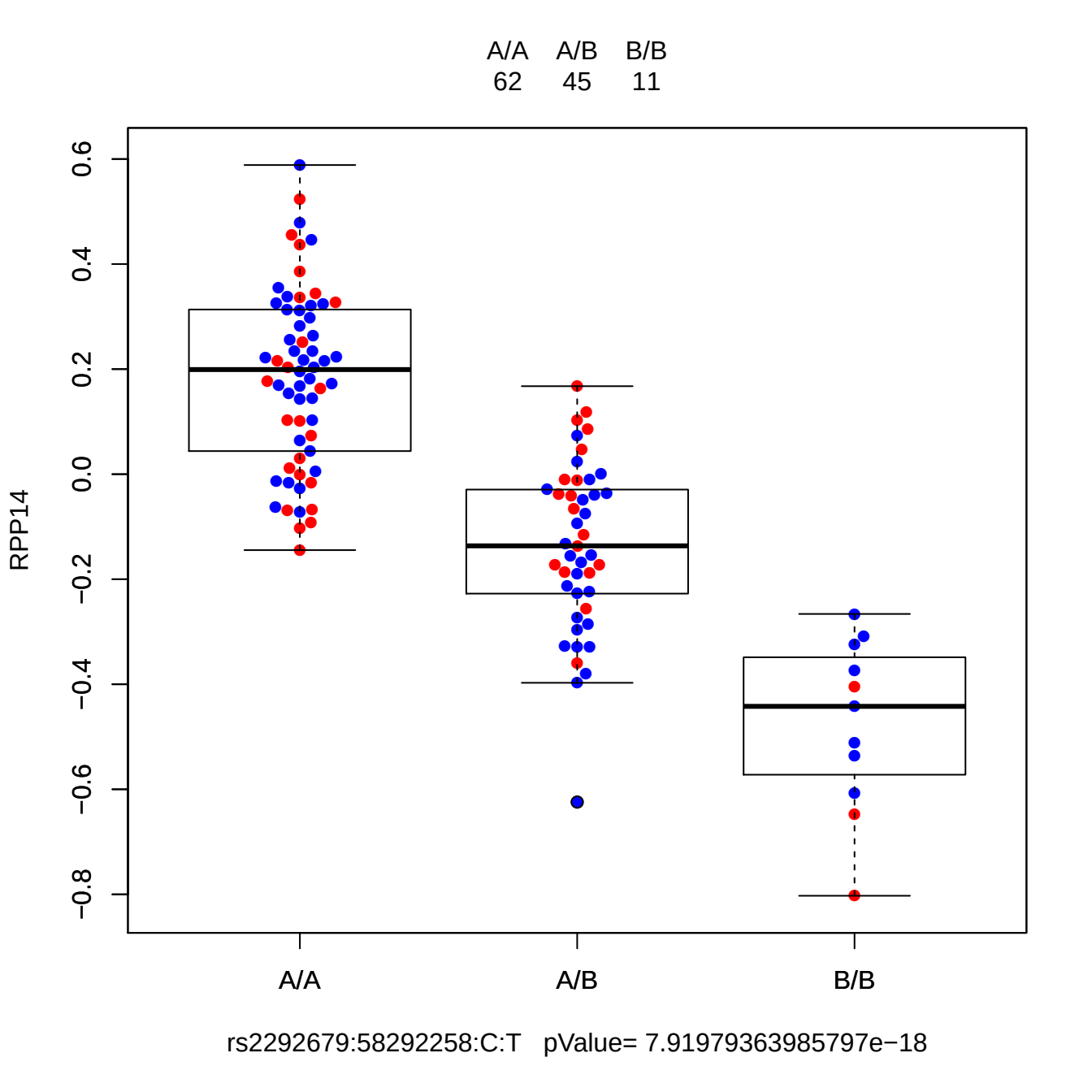
−1.5
A/A
A/B
B/B
rs190685297:32458514:T:C pValue= 6.37035565964709e−18


A/A A/B B/B
37 52 29
HLA.DQB1
3
2
1
0
−1
−2
A/A
A/B
B/B
rs9272545:32606885:G:T pValue= 6.63563335540099e−18


A/A A/B B/B
62 45 11
RPP14
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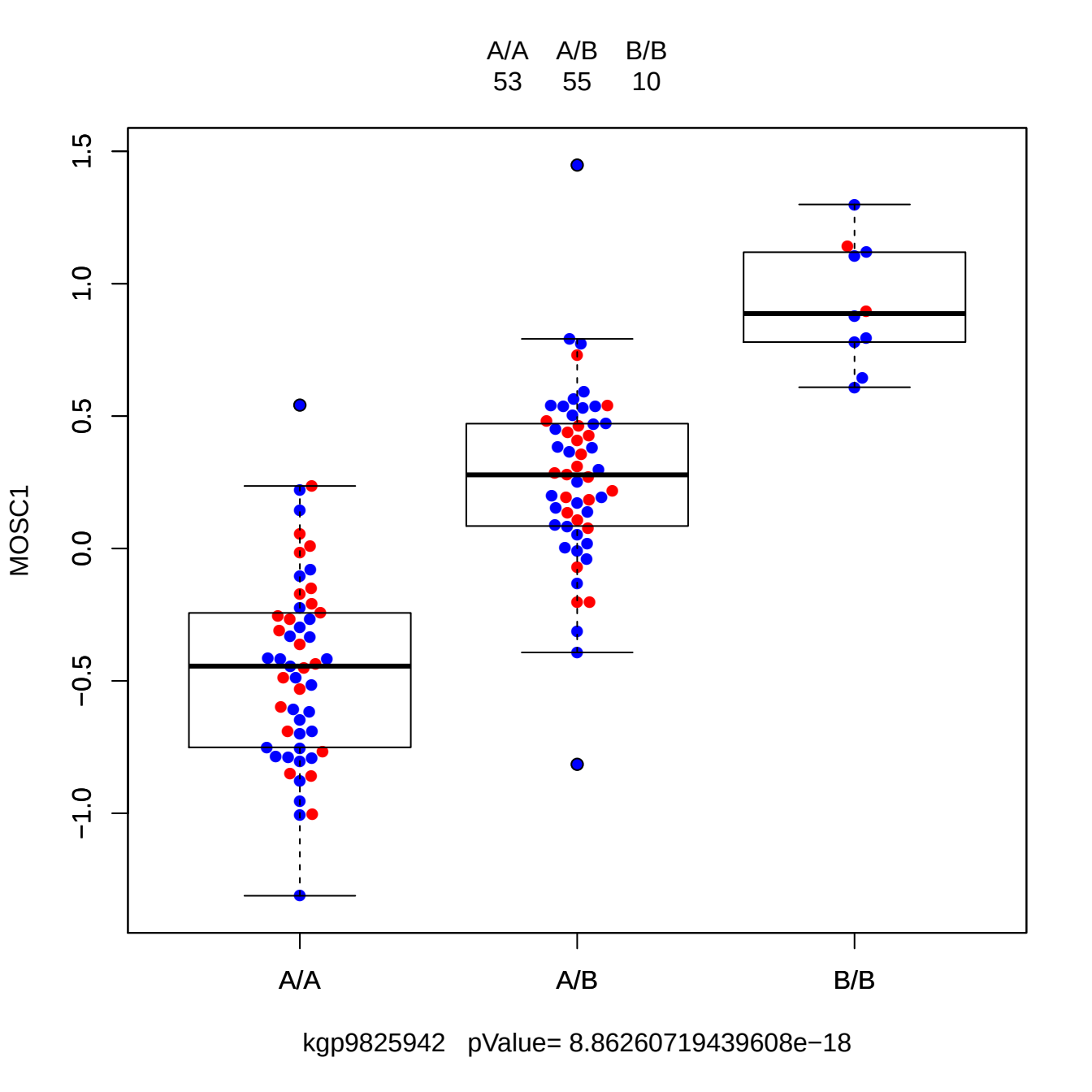
0.4
0.2
0.0
−0.2
−0.4
−0.6
−0.8
A/A
A/B
B/B
rs2292679:58292258:C:T pValue= 7.91979363985797e−18


A/A A/B B/B
53 55 10
MOSC1
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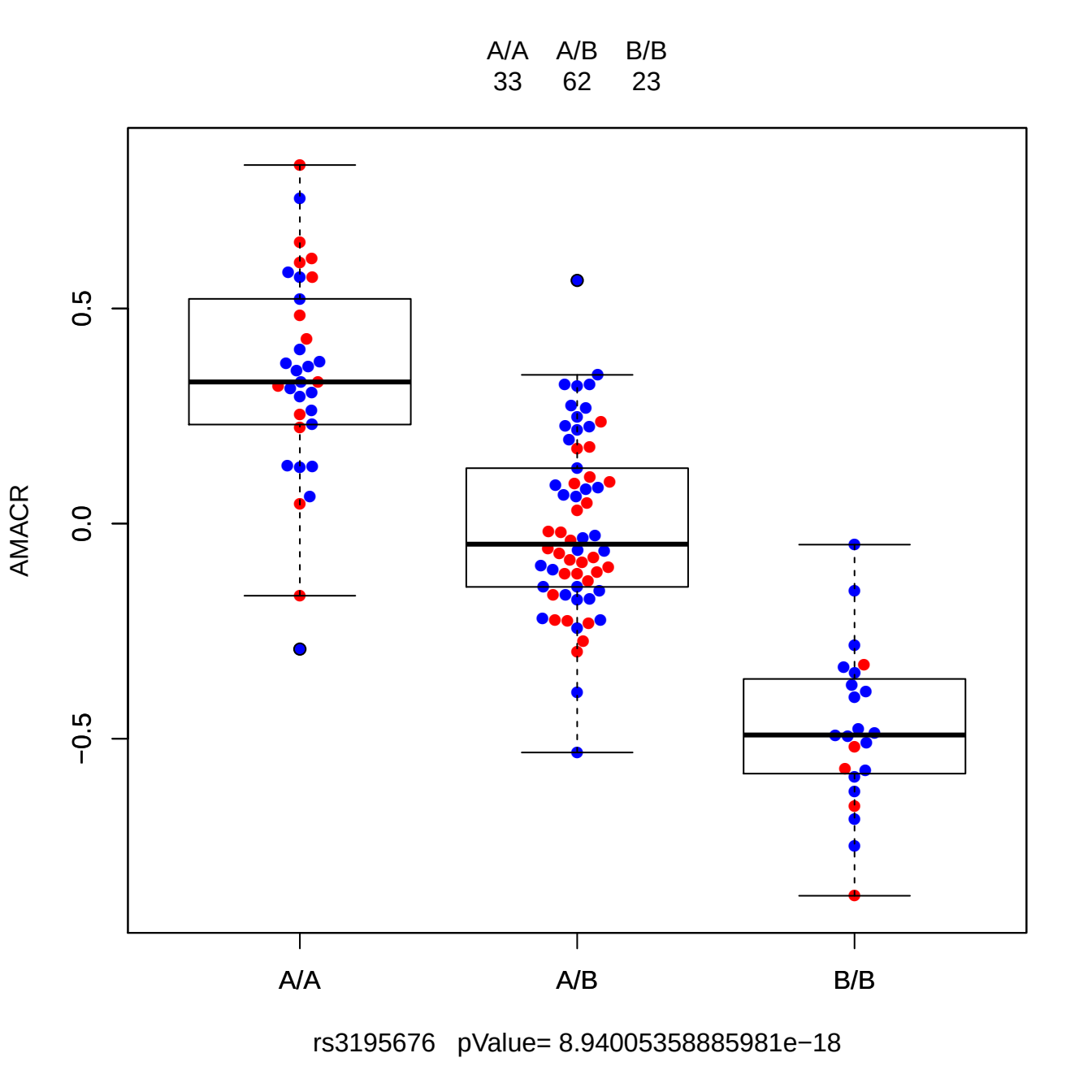
−1.0
A/A
A/B
B/B
kgp9825942 pValue= 8.86260719439608e−18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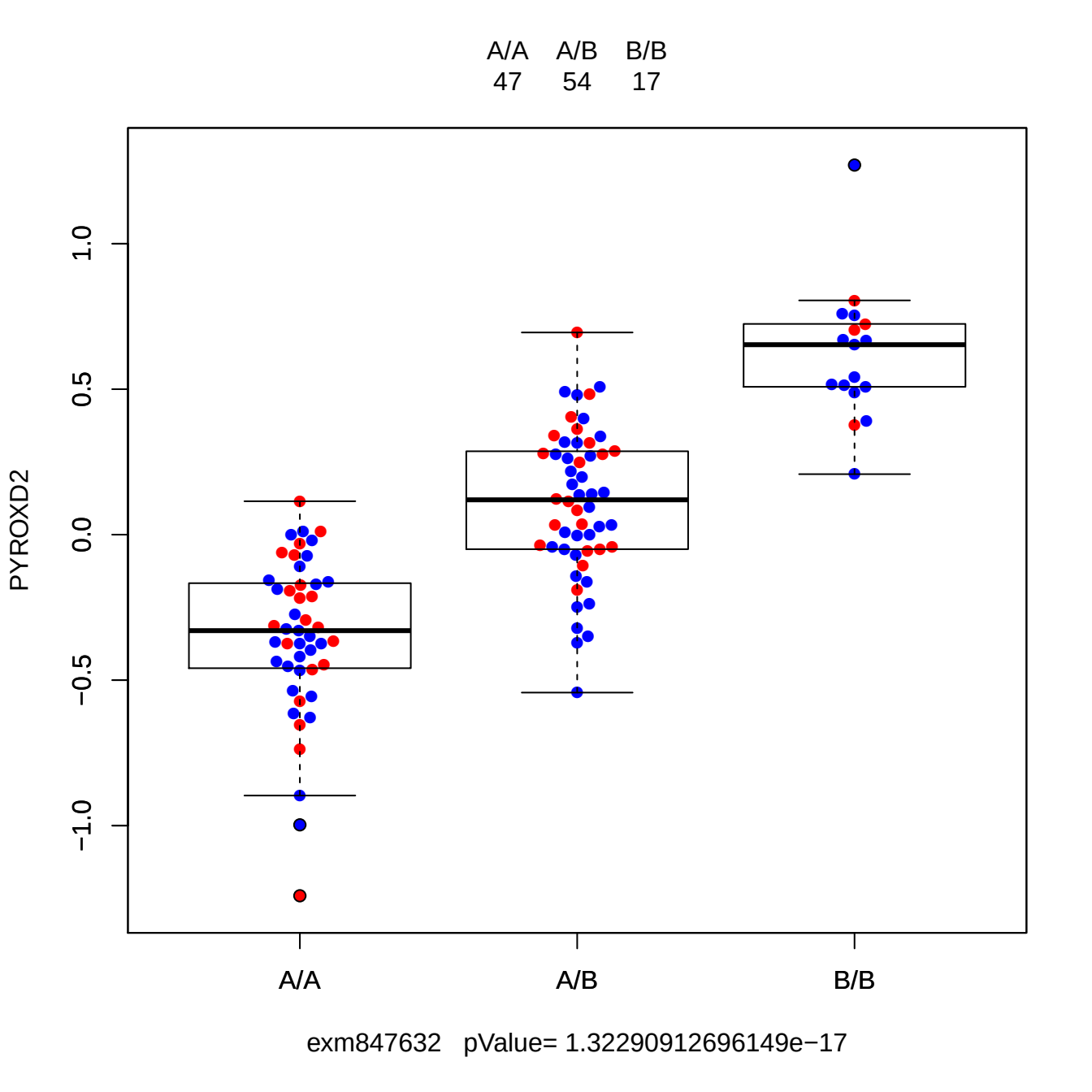
33 62 23
AMACR
0.5
0.0
−0.5
A/A
A/B
B/B
rs3195676 pValue= 8.94005358885981e−18


A/A A/B B/B
47 54 17
PYROXD2
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−1.0
A/A
A/B
B/B
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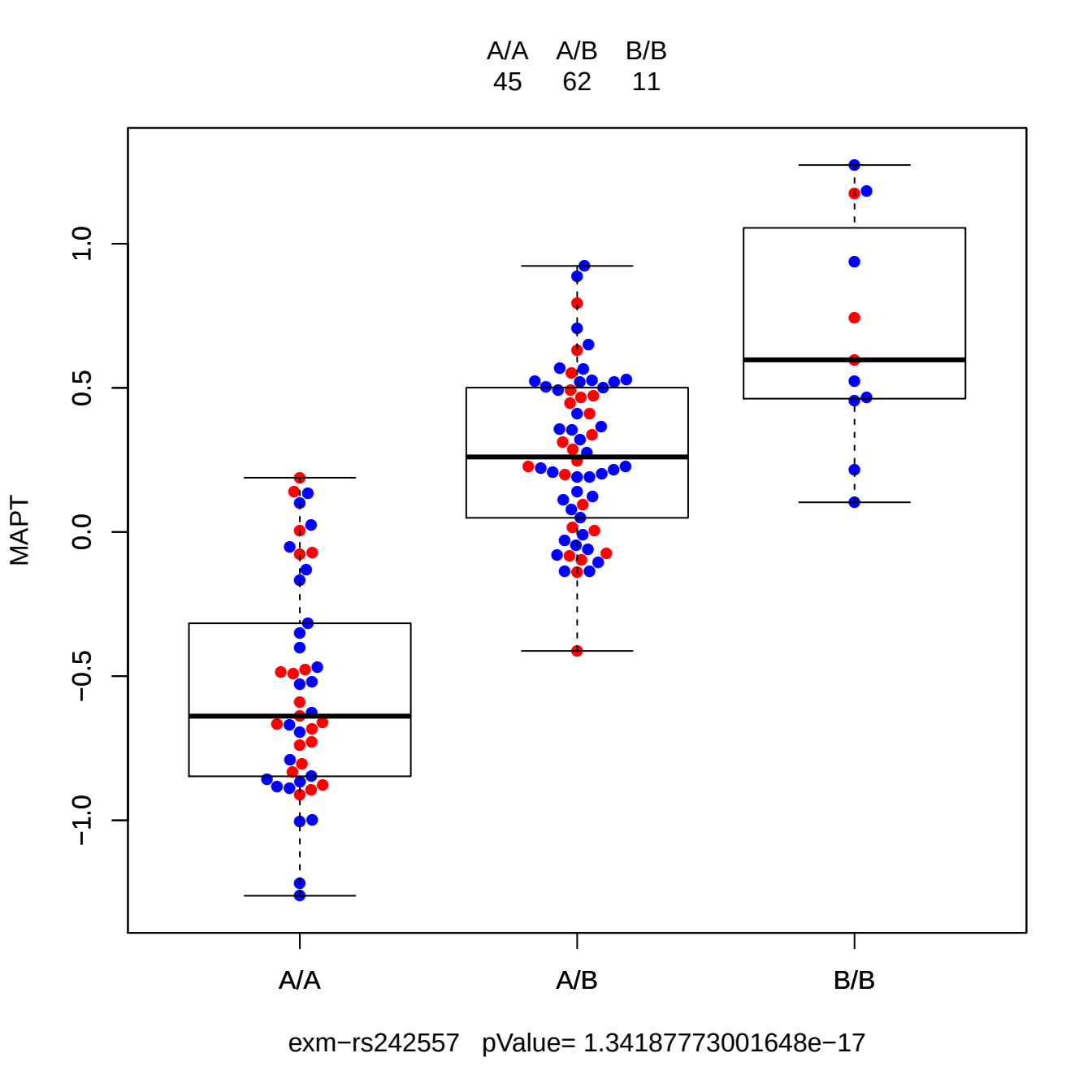
A/A A/B B/B
45 62 11
MAPT
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A/A
A/B
B/B
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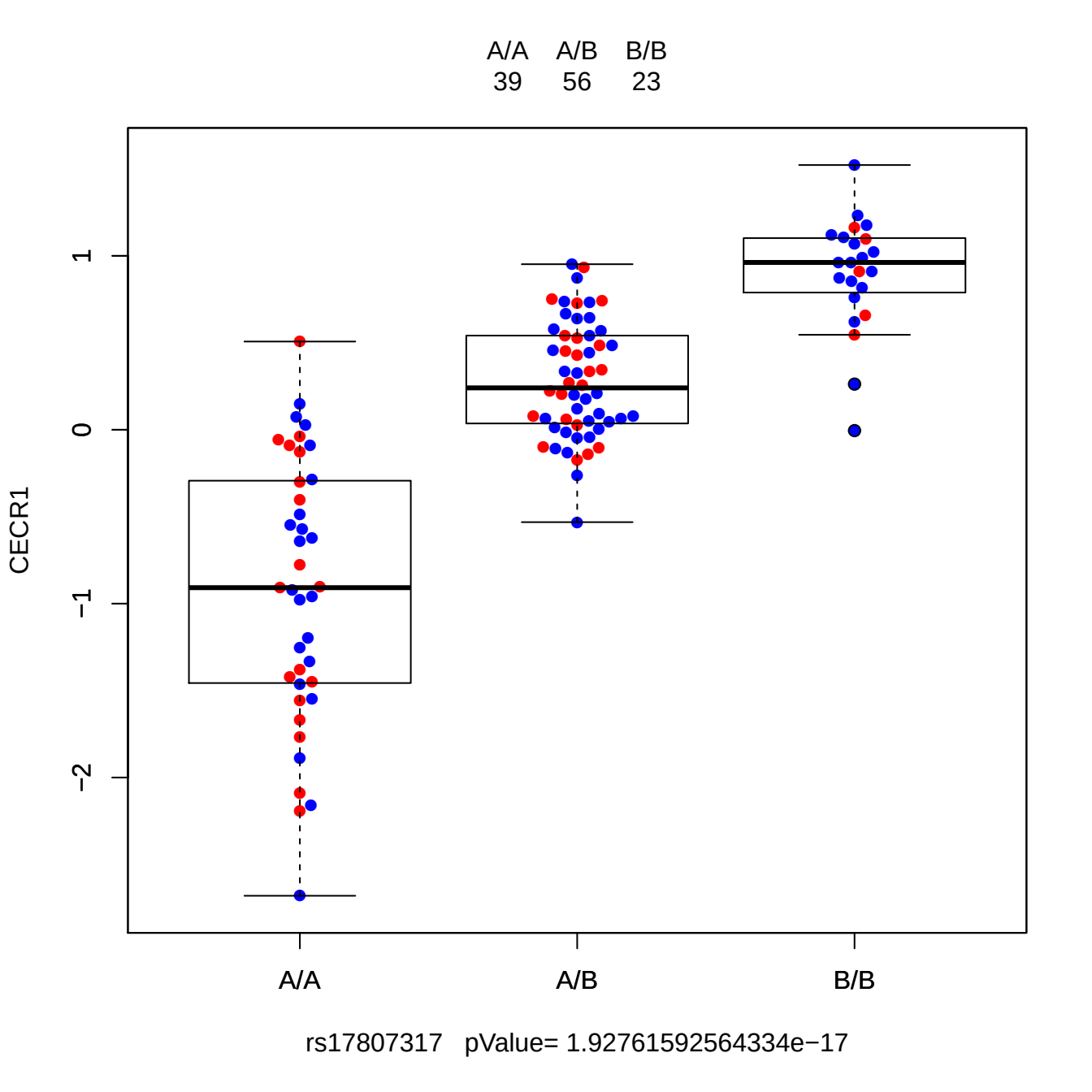
A/A A/B B/B
39 56 23
CECR1
1
0
−1
−2
A/A
A/B
B/B
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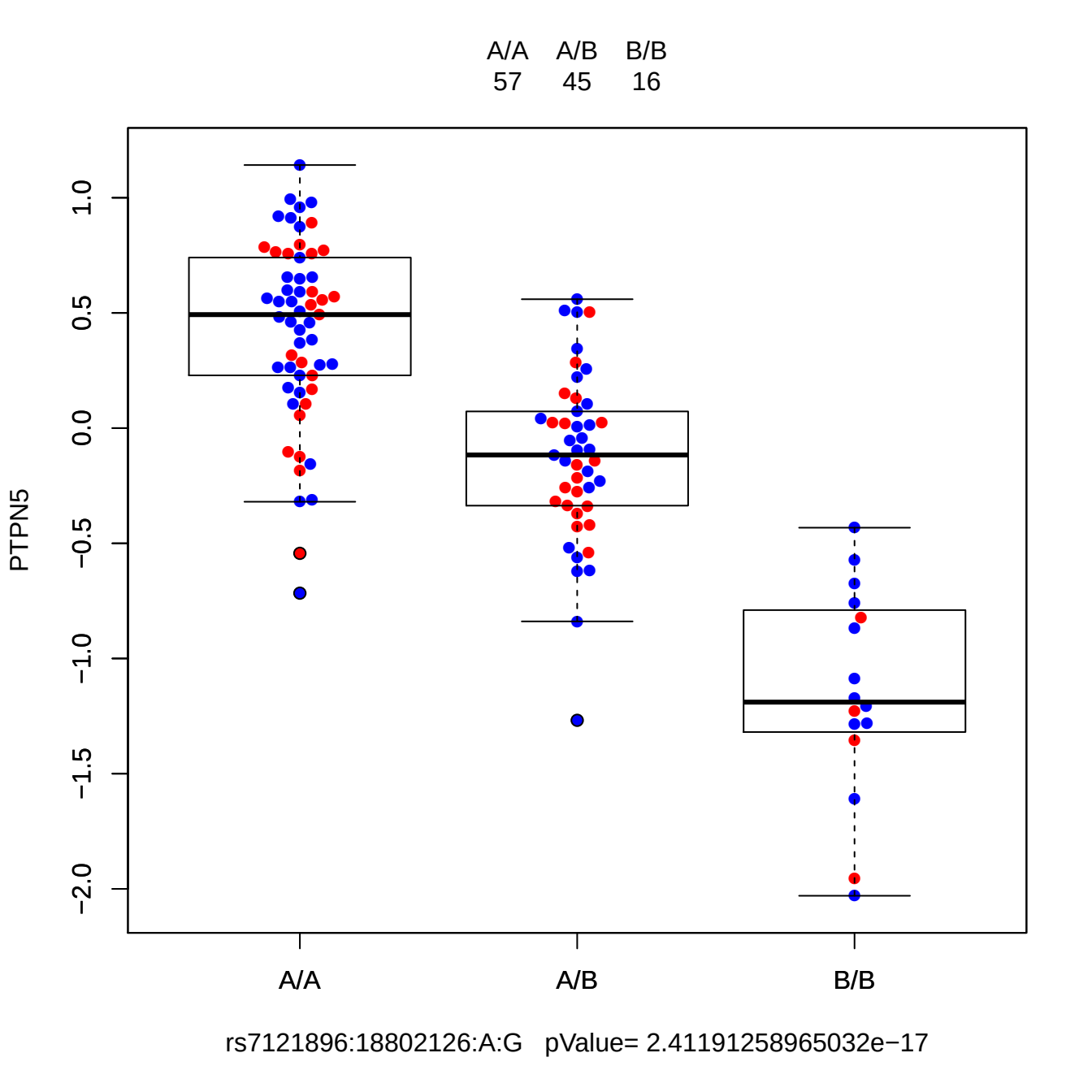
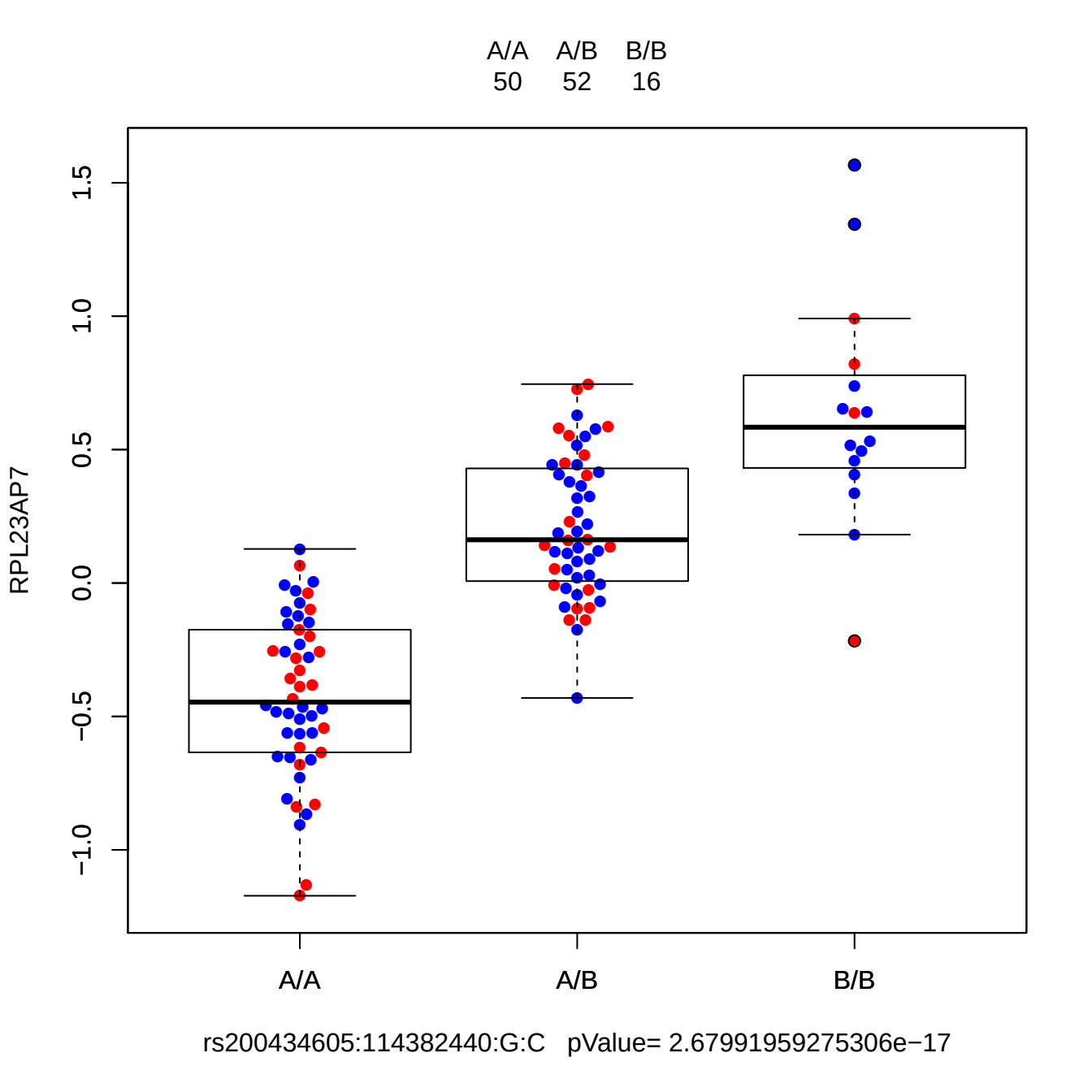

A/A A/B B/B
57 45 16
PTPN5
1.0
0.5
0.0
−0.5
−1.0
−1.5
−2.0
A/A
A/B
B/B
rs7121896:18802126:A:G pValue= 2.41191258965032e−17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50 52 16
RPL23AP7
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1.0
0.5
0.0
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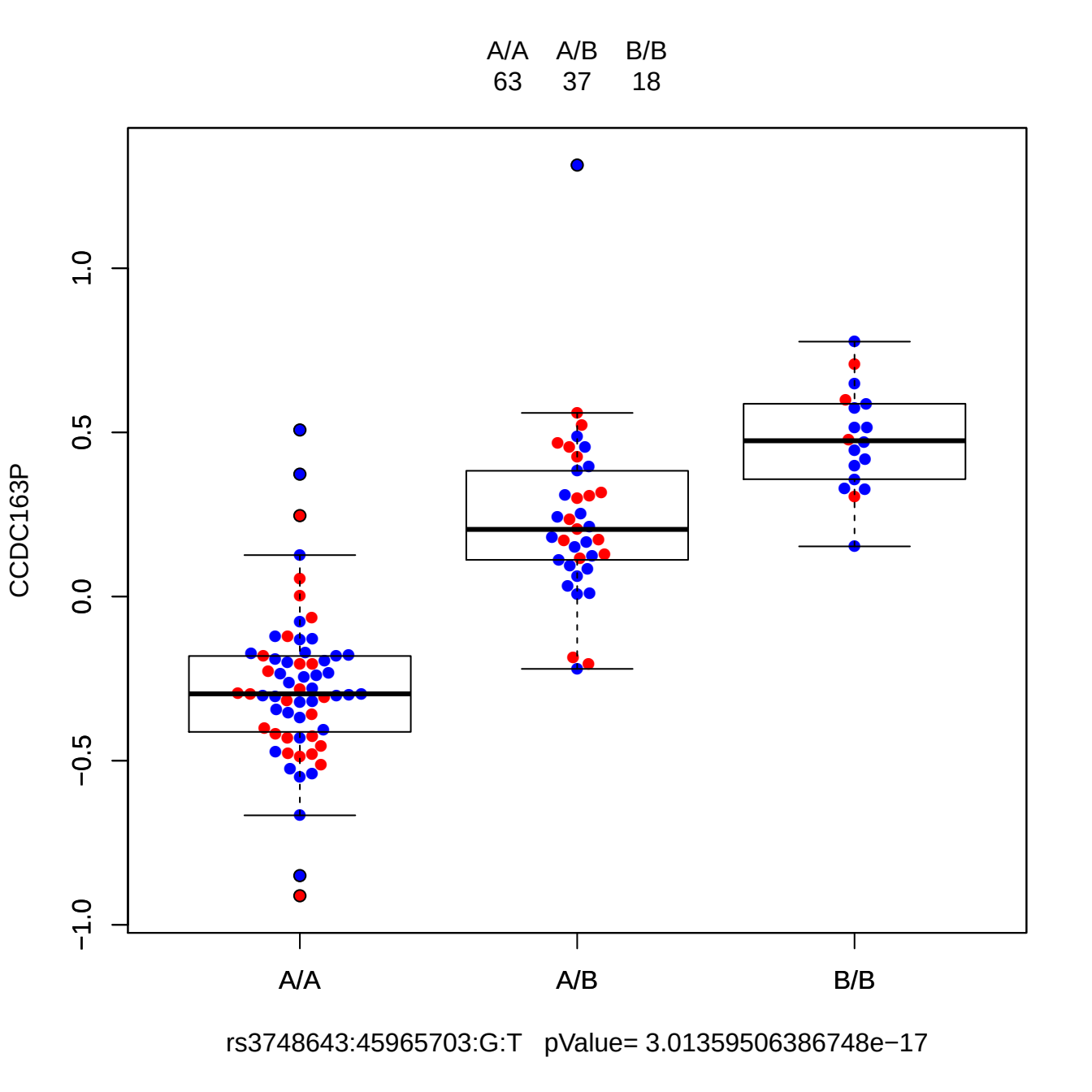
−1.0
A/A
A/B
B/B
rs200434605:114382440:G:C pValue= 2.67991959275306e−17


A/A A/B B/B
63 37 18
CCDC163P
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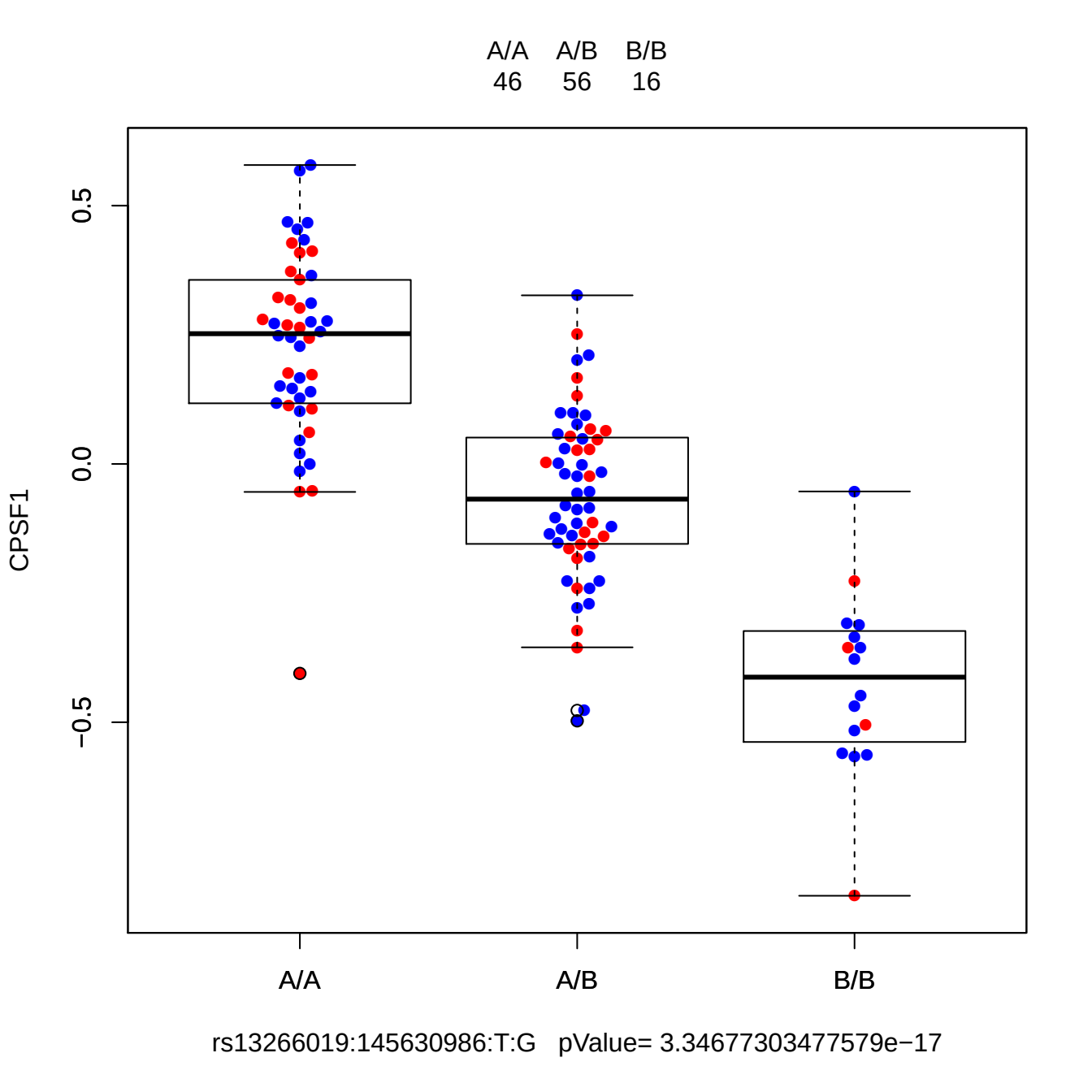
0.0
−0.5
−1.0
A/A
A/B
B/B
rs3748643:45965703:G:T pValue= 3.01359506386748e−17


A/A A/B B/B
46 56 16
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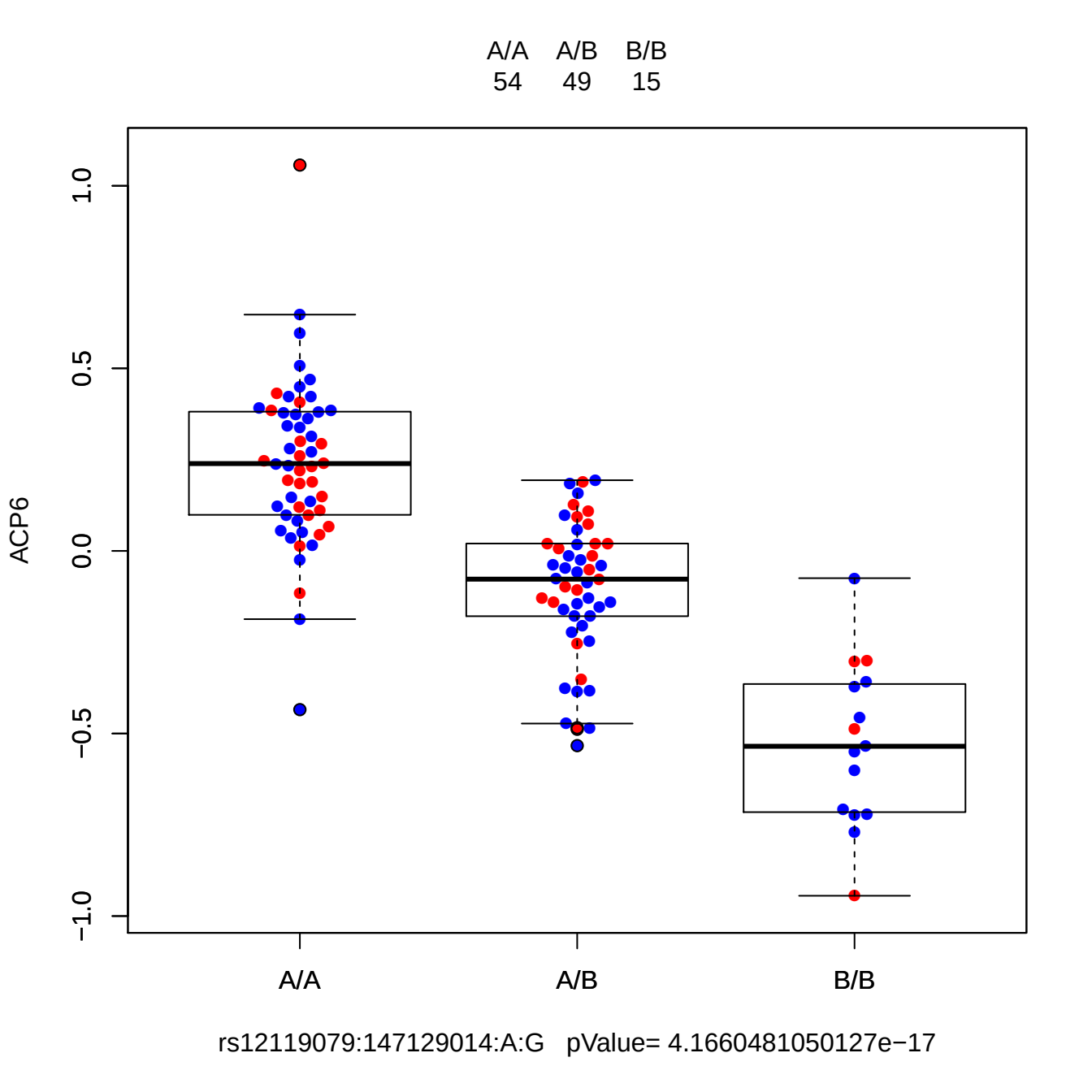
0.0
−0.5
CPSF1
A/A
A/B
B/B
rs13266019:145630986:T:G pValue= 3.34677303477579e−17


A/A A/B B/B
54 49 15
ACP6
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0.0
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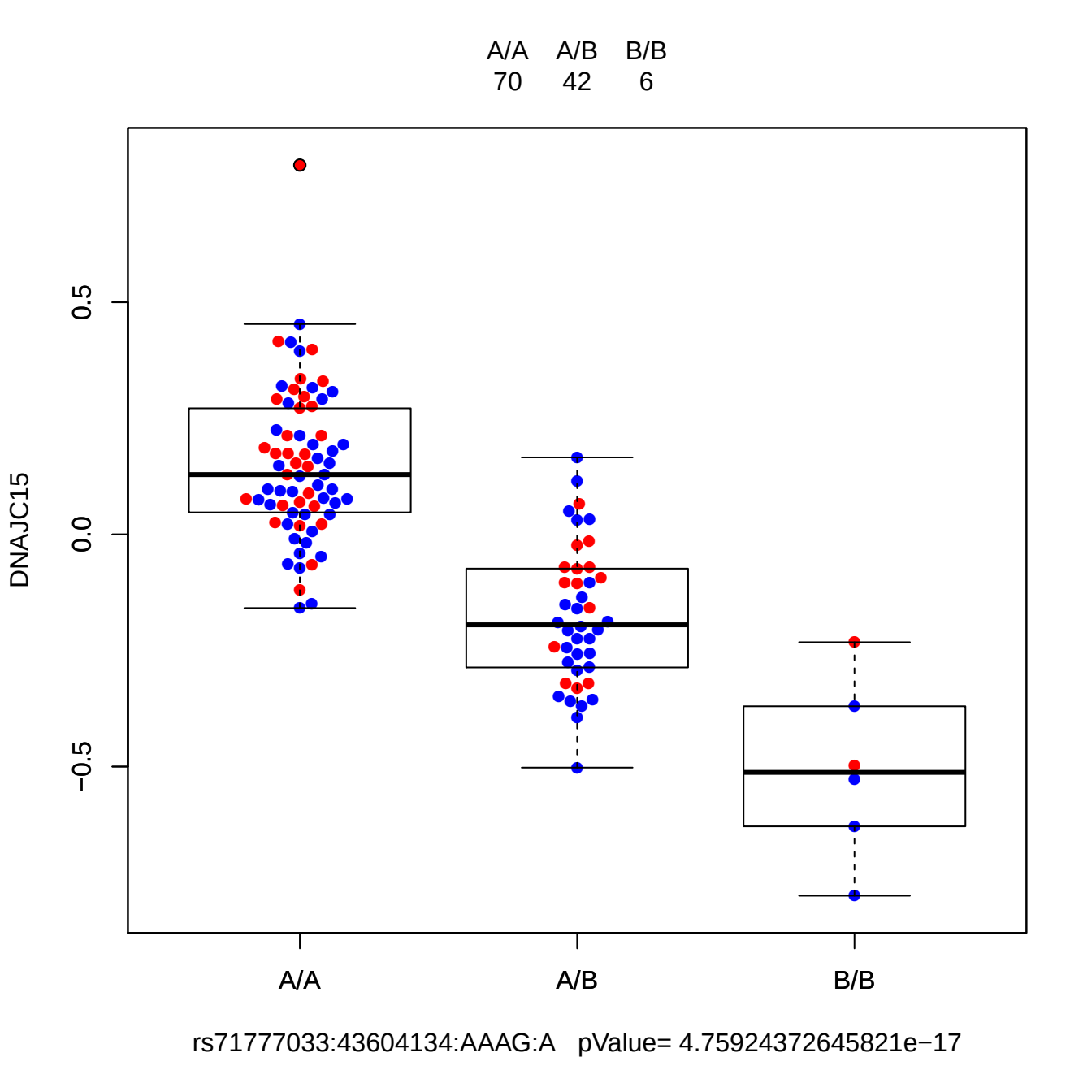
−1.0
A/A
A/B
B/B
rs12119079:147129014:A:G pValue= 4.1660481050127e−17


A/A A/B B/B
70 42 6
DNAJC15
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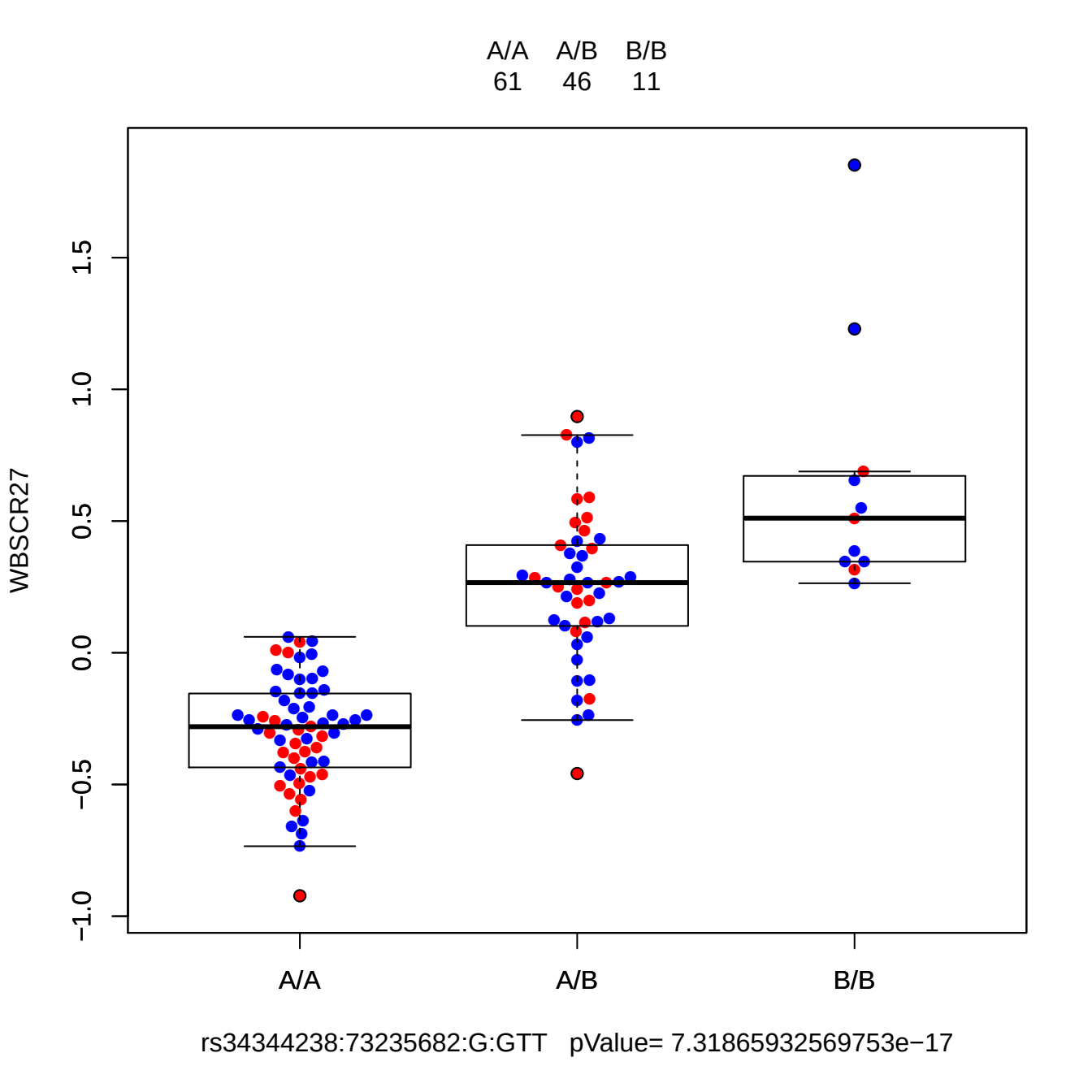
−0.5
A/A
A/B
B/B
rs71777033:43604134:AAAG:A pValue= 4.75924372645821e−17


A/A A/B B/B
61 46 11
WBSCR27
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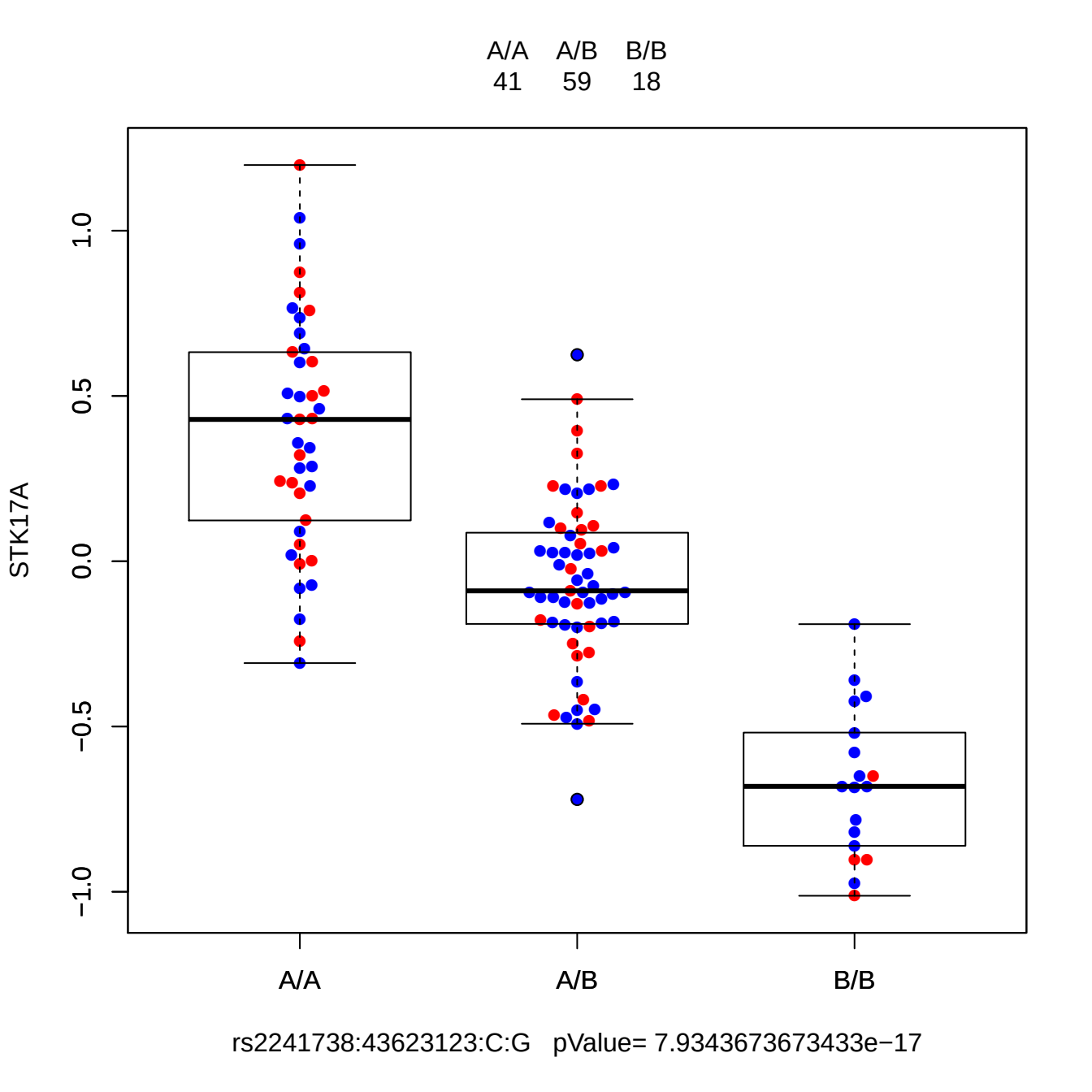
0.5
0.0
−0.5
−1.0
A/A
A/B
B/B
rs34344238:73235682:G:GTT pValue= 7.31865932569753e−17


A/A A/B B/B
41 59 18
STK17A
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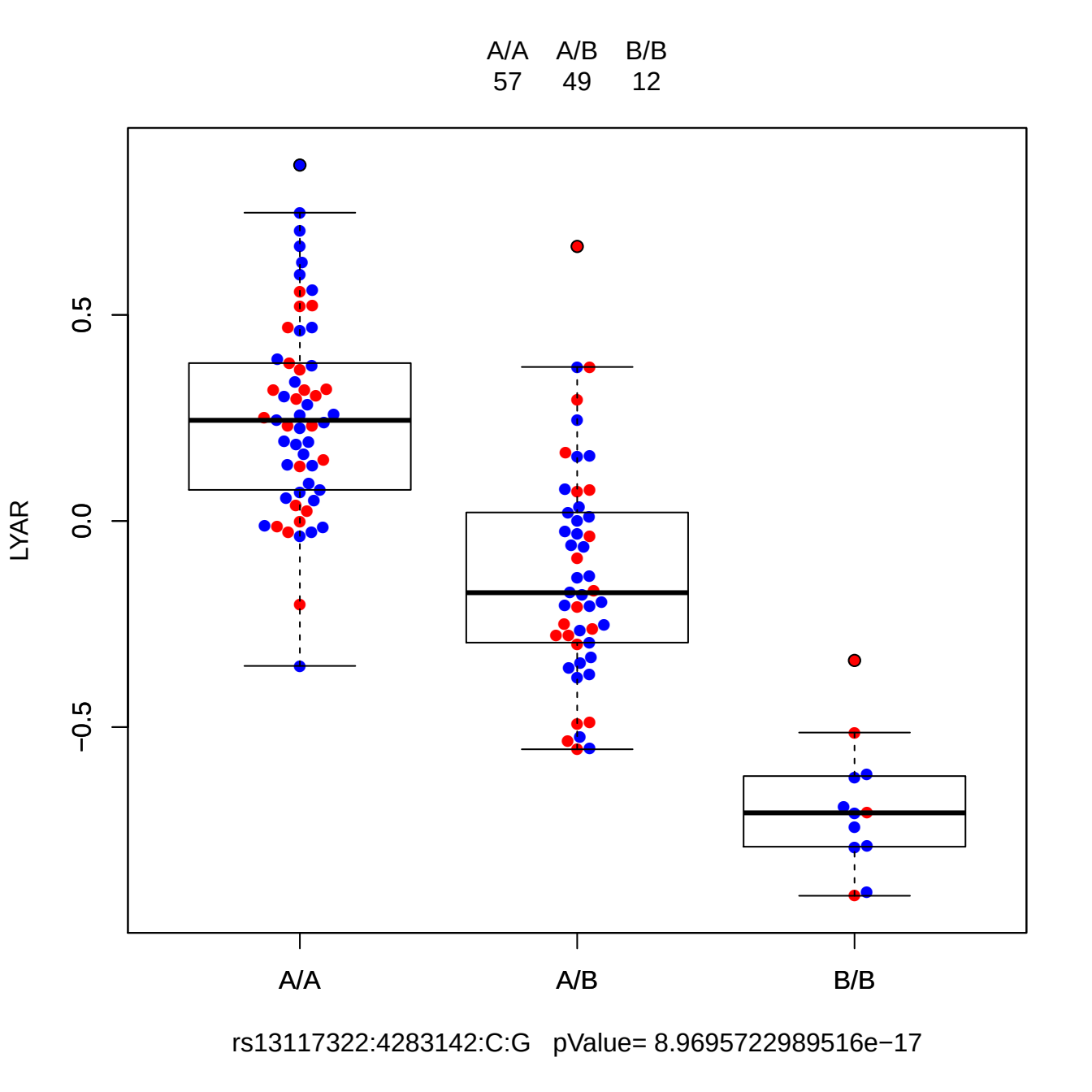
−1.0
A/A
A/B
B/B
rs2241738:43623123:C:G pValue= 7.9343673673433e−17


A/A A/B B/B
57 49 12
LYAR
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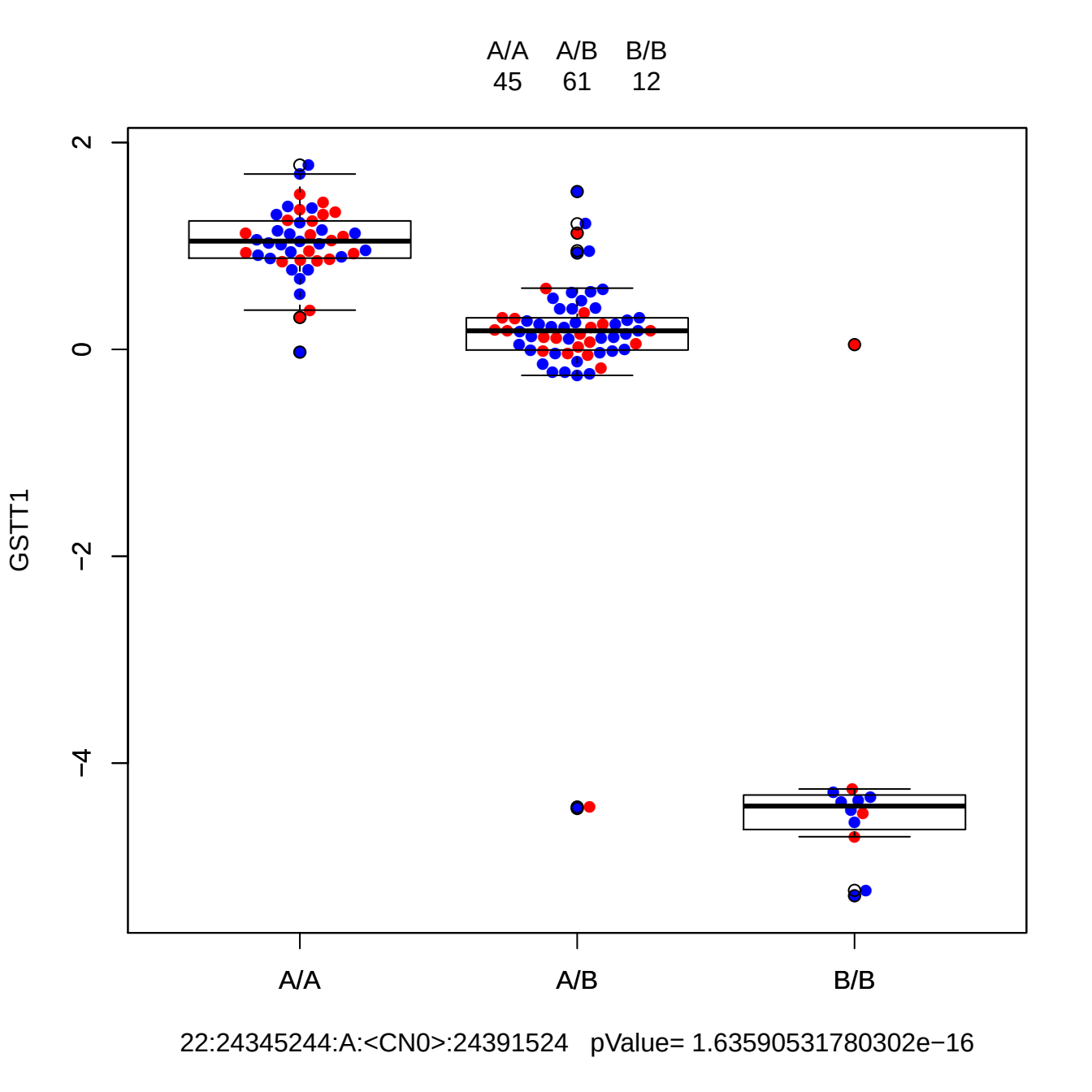
A/A
A/B
B/B
rs13117322:4283142:C:G pValue= 8.9695722989516e−17


A/A A/B B/B
45 61 12
GSTT1
2
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−2
−4
A/A
A/B
B/B
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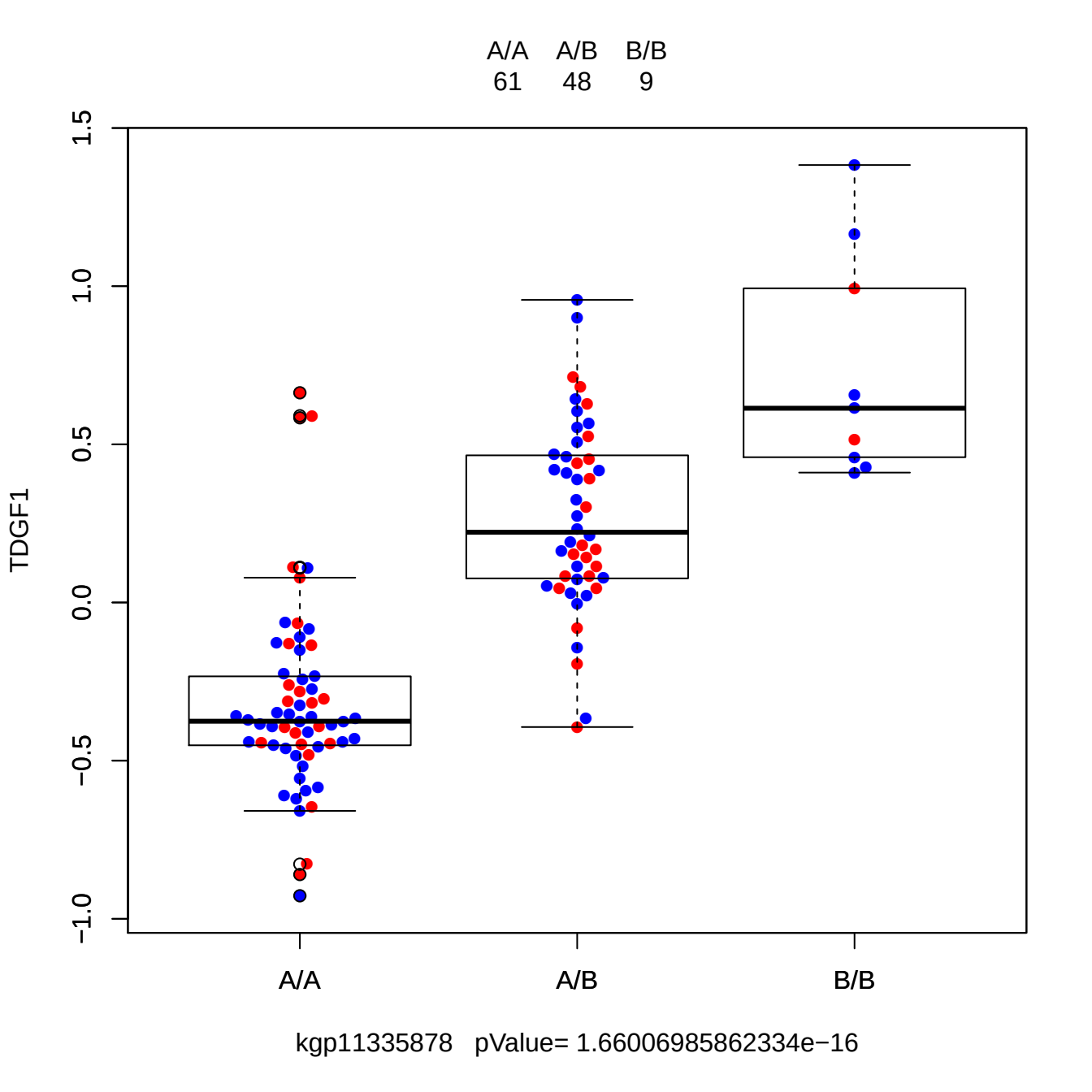
A/A A/B B/B
61 48 9
TDGF1
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1.0
0.5
0.0
−0.5
−1.0
A/A
A/B
B/B
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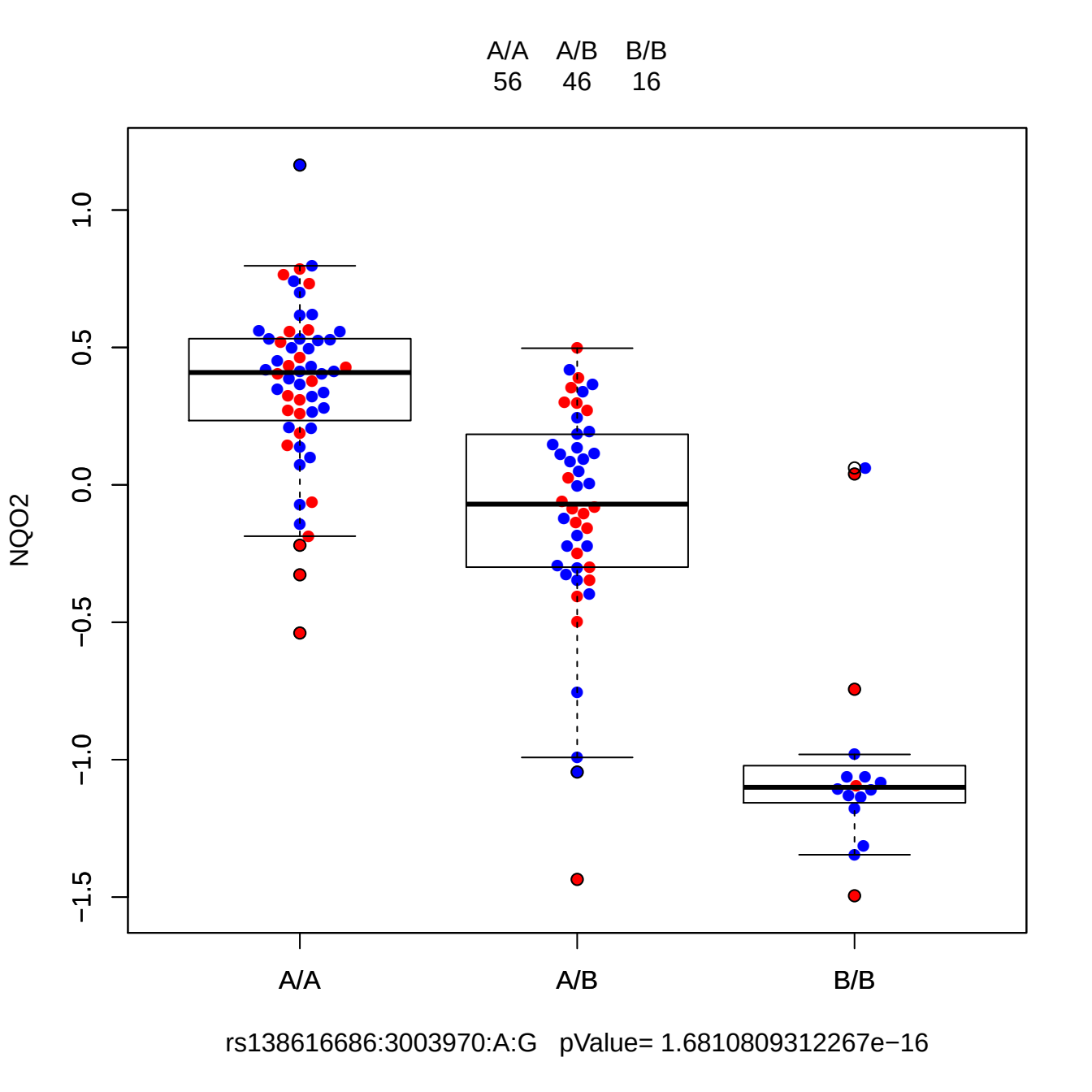
A/A A/B B/B
56 46 16
NQO2
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0.5
0.0
−0.5
−1.0
−1.5
A/A
A/B
B/B
rs138616686:3003970:A:G pValue= 1.6810809312267e−16