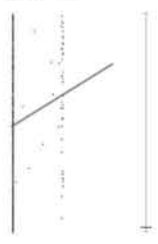


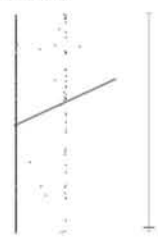
SNP rs4948068 (chr. 7, 50994688 bp)
 Probe 3670619 (chr. 6, 113301680 - 11334609 bp), AMD1
 P-Value 7.98E-6

HT12-Controls



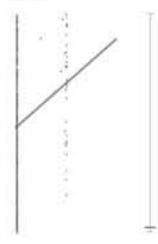
CC (369) CA (45) AA (0)
 Corr: 0.15 R2: 0.022
 Z-Score:3.055 P-Value:0.002

HT12-COPD



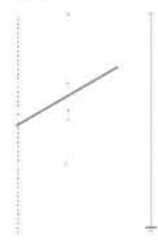
CC (405) CA (48) AA (0)
 Corr: 0.11 R2: 0.012
 Z-Score:2.342 P-Value:0.019

HT12-ALS



CC (290) CA (34) AA (0)
 Corr: 0.211 R2: 0.044
 Z-Score:3.823 P-Value:1.22E-4

HT12-UC



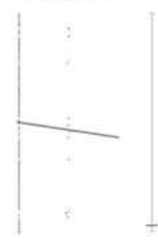
CC (44) CA (5) AA (0)
 Corr: 0.136 R2: 0.019
 Z-Score:0.933 P-Value:0.351

HbV2-Controls



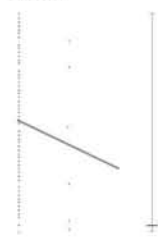
CC (54) CA (5) AA (0)
 Corr: -0.101 R2: 0.01
 Z-Score:-0.758 P-Value:0.448

HbV2-ColiacDisease



CC (100) CA (11) AA (0)
 Corr: -0.036 R2: 0.001
 Z-Score:-0.371 P-Value:0.711

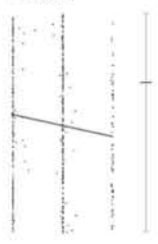
HbV2-ALS



CC (53) CA (6) AA (0)
 Corr: -0.113 R2: 0.013
 Z-Score:-0.851 P-Value:0.395

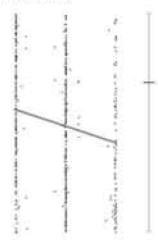
SNP rs2517713 (chr. 6, 30092678 bp)
 Probe 6640408 (chr. 6, 6032340 - 6601215 bp), LY86
 P-Value 5.09E-7

HT12-Controls



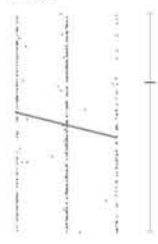
TT (150) TG (205) GG (59)
 Corr: -0.118 R2: 0.014
 Z-Score:-2.404 P-Value:0.016

HT12-COPD



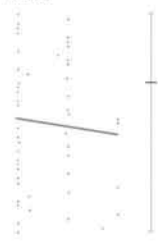
TT (182) TG (200) GG (82)
 Corr: -0.183 R2: 0.034
 Z-Score:-3.921 P-Value:8.82E-5

HT12-ALS



TT (98) TG (170) GG (56)
 Corr: -0.134 R2: 0.018
 Z-Score:-2.405 P-Value:0.016

HT12-UC



TT (27) TG (17) GG (5)
 Corr: 0.08 R2: 0.006
 Z-Score:0.544 P-Value:0.587

HbV2-Controls



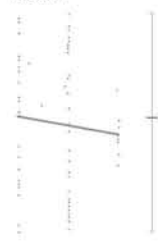
TT (14) TG (32) GG (13)
 Corr: -0.213 R2: 0.045
 Z-Score:-1.617 P-Value:0.106

HbV2-ColiacDisease



TT (20) TG (62) GG (29)
 Corr: 0.043 R2: 0.002
 Z-Score:0.444 P-Value:0.657

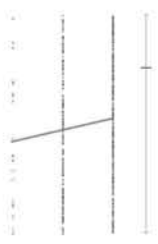
HbV2-ALS



TT (23) TG (26) GG (8)
 Corr: -0.092 R2: 0.009
 Z-Score:-0.696 P-Value:0.486

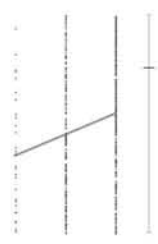
SNP rs3003662 (chr. 16, 51143842 bp)
 Probe 4830343 (chr. 16, 45280059 - 45290806 bp), OHC6L
 P-Value 4.12E-7

HT12-Controls



AA (20) AG (157) GG (237)
 Corr: 0.106 R2: 0.011
 Z-Score:2.156 P-Value:0.031

HT12-COPD



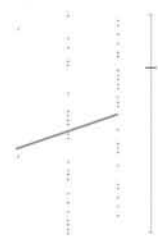
AA (28) AG (176) GG (249)
 Corr: 0.208 R2: 0.043
 Z-Score:4.453 P-Value:8.48E-6

HT12-ALS



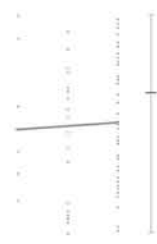
AA (17) AG (120) GG (177)
 Corr: 0.082 R2: 0.007
 Z-Score:1.478 P-Value:0.139

HT12-UC



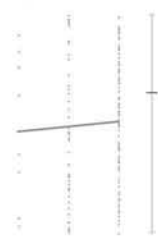
AA (2) AG (23) GG (24)
 Corr: 0.148 R2: 0.022
 Z-Score:1.018 P-Value:0.309

HbV2-Controls



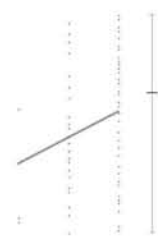
AA (6) AG (18) GG (35)
 Corr: 0.038 R2: 0.001
 Z-Score:0.289 P-Value:0.773

HbV2-ColiacDisease



AA (8) AG (37) GG (96)
 Corr: 0.05 R2: 0.002
 Z-Score:0.518 P-Value:0.604

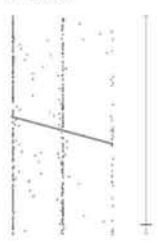
HbV2-ALS



AA (3) AG (22) GG (34)
 Corr: 0.237 R2: 0.056
 Z-Score:1.606 P-Value:0.071

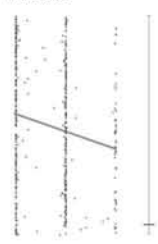
SNP rs2922239 (chr. 12, 54768447 bp)
 Probe 3180671 (chr. 19, 1191749 - 1196823 bp), ATP5D
 P-Value 4.11E-7

HT12-Controls



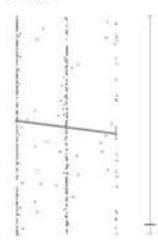
GG (196) GT (180) TT (38)
 Corr: -0.134 R2: 0.018
 Z-Score:-2.726 P-Value:0.006

HT12-COPD



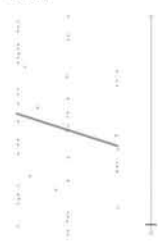
GG (198) GT (206) TT (40)
 Corr: -0.181 R2: 0.033
 Z-Score:-3.885 P-Value:1.03E-4

HT12-ALS



GG (144) GT (147) TT (33)
 Corr: -0.096 R2: 0.004
 Z-Score:-1.178 P-Value:0.239

HT12-UC



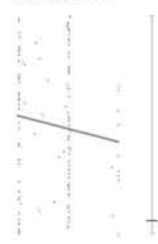
GG (23) GT (17) TT (9)
 Corr: -0.182 R2: 0.033
 Z-Score:-1.254 P-Value:0.21

HbV2-Controls



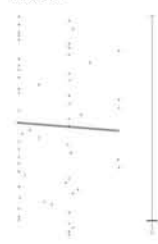
GG (30) GT (29) TT (3)
 Corr: -0.162 R2: 0.026
 Z-Score:-1.227 P-Value:0.22

HbV2-ColiacDisease



GG (44) GT (55) TT (12)
 Corr: -0.129 R2: 0.017
 Z-Score:-1.352 P-Value:0.176

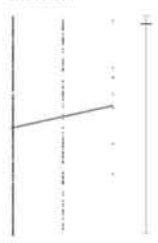
HbV2-ALS



GG (28) GT (26) TT (5)
 Corr: -0.041 R2: 0.002
 Z-Score:-0.31 P-Value:0.756

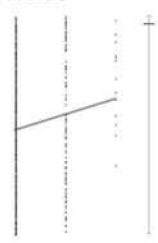
SNP rs9271306 (chr. 6, 32684832 bp)
 Probe 2640389 (chr. 6, 159105766 - 159161432 bp), VIL2
 P-Value 4.06E-7

HT12-Controls



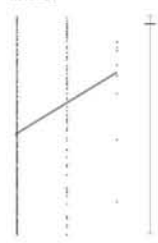
AA (316) AG (90) GG (0)
 Corr: 0.085 R2: 0.007
 Z-Score:1.726 P-Value:0.084

HT12-COPD



AA (342) AG (98) GG (13)
 Corr: 0.122 R2: 0.015
 Z-Score:2.6 P-Value:0.009

HT12-ALS



AA (299) AG (75) GG (10)
 Corr: 0.251 R2: 0.063
 Z-Score:4.582 P-Value:4.6E-6

HT12-UC



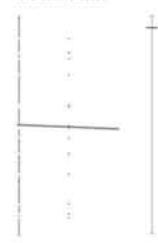
AA (34) AG (13) GG (2)
 Corr: 0.27 R2: 0.073
 Z-Score:1.879 P-Value:0.06

HbV2-Controls



AA (40) AG (19) GG (0)
 Corr: 0.192 R2: 0.037
 Z-Score:1.455 P-Value:0.146

HbV2-ColiacDisease



AA (97) AG (14) GG (0)
 Corr: -0.01 R2: 0
 Z-Score:-0.106 P-Value:0.916

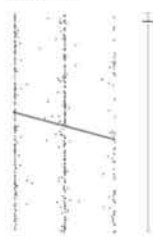
HbV2-ALS



AA (42) AG (16) GG (1)
 Corr: 0.032 R2: 0.001
 Z-Score:0.241 P-Value:0.809

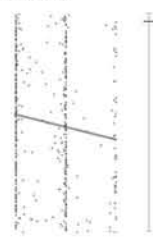
SNP rs1245738 (chr. 3, 56840616 bp)
Probe 5670138 (chr. 12, 5997301 - 6105097 bp), VWF
P-Value 3.89E-7

HT12-Controls



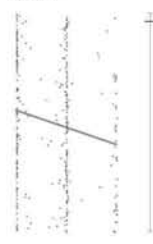
GG (153) GA (194) AA (67)
Corr: -0.146 R2: 0.021
Z-Score: 2.975 P-Value: 0.003

HT12-COPD



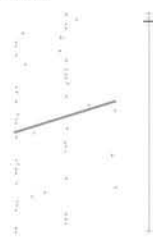
GG (202) GA (200) AA (51)
Corr: -0.13 R2: 0.017
Z-Score: 2.765 P-Value: 0.006

HT12-ALS



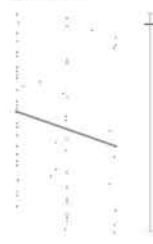
GG (132) GA (148) AA (44)
Corr: -0.178 R2: 0.032
Z-Score: 3.222 P-Value: 0.001

HT12-UC



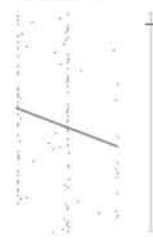
GG (24) GA (22) AA (3)
Corr: 0.142 R2: 0.02
Z-Score: 0.971 P-Value: 0.331

HBv2-Controls



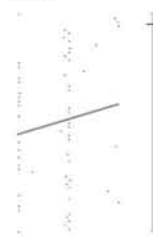
GG (28) GA (21) AA (10)
Corr: -0.195 R2: 0.036
Z-Score: 1.478 P-Value: 0.139

HBv2-CeliacDisease



GG (41) GA (57) AA (113)
Corr: -0.188 R2: 0.035
Z-Score: 1.972 P-Value: 0.049

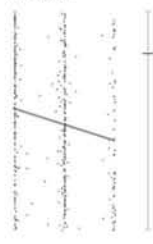
HBv2-ALS



GG (20) GA (32) AA (7)
Corr: 0.143 R2: 0.02
Z-Score: 1.077 P-Value: 0.281

SNP rs1245738 (chr. 3, 56840616 bp)
Probe 1070450 (chr. 9, 12417050 - 12419892 bp), PTGS1
P-Value 3.29E-7

HT12-Controls



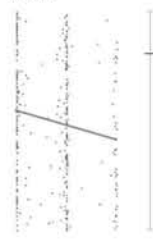
GG (153) GA (194) AA (67)
Corr: -0.189 R2: 0.029
Z-Score: 3.457 P-Value: 5.46E-4

HT12-COPD



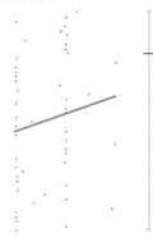
GG (202) GA (200) AA (51)
Corr: -0.152 R2: 0.023
Z-Score: 3.248 P-Value: 0.001

HT12-ALS



GG (132) GA (148) AA (44)
Corr: -0.149 R2: 0.022
Z-Score: 2.678 P-Value: 0.007

HT12-UC



GG (24) GA (22) AA (3)
Corr: 0.164 R2: 0.027
Z-Score: 1.125 P-Value: 0.261

HBv2-Controls
eQTL not available
Probe not present.

HBv2-CeliacDisease
eQTL not available
Probe not present.

HBv2-ALS
eQTL not available
Probe not present.

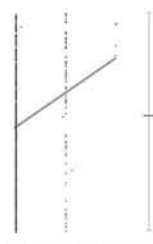
SNP rs11887534 (chr. 2, 43919751 bp)
Probe 3120368 (chr. 3, 8910358 - 9634079 bp), IL17RE
P-Value 2.79E-7

HT12-Controls



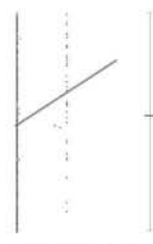
GG (373) GC (29) CC (2)
Corr: 0.06 R2: 0.004
Z-Score: 1.214 P-Value: 0.225

HT12-COPD



GG (381) GC (68) CC (4)
Corr: 0.218 R2: 0.047
Z-Score: 4.674 P-Value: 2.95E-6

HT12-ALS



GG (289) GC (35) CC (0)
Corr: 0.159 R2: 0.025
Z-Score: 2.674 P-Value: 0.004

HT12-UC



GG (45) GC (4) CC (0)
Corr: 0.1 R2: 0.01
Z-Score: 0.685 P-Value: 0.494

HBv2-Controls
eQTL not available
Probe not present.

HBv2-CeliacDisease
eQTL not available
Probe not present.

HBv2-ALS
eQTL not available
Probe not present.

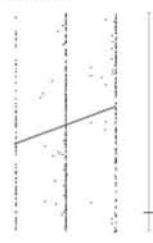
SNP rs2523283 (chr. 6, 29613638 bp)
Probe 2000128 (chr. 1, 20534320 - 20538599 bp), C4BPA
P-Value 2.44E-7

HT12-Controls



GG (72) GA (190) AA (140)
Corr: 0.087 R2: 0.008
Z-Score: 1.767 P-Value: 0.077

HT12-COPD



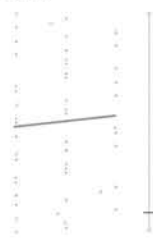
GG (75) GA (221) AA (157)
Corr: 0.203 R2: 0.041
Z-Score: 4.361 P-Value: 1.29E-5

HT12-ALS



GG (53) GA (158) AA (113)
Corr: 0.15 R2: 0.023
Z-Score: 2.709 P-Value: 0.007

HT12-UC



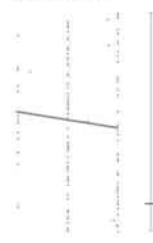
GG (18) GA (20) AA (11)
Corr: 0.065 R2: 0.004
Z-Score: 0.442 P-Value: 0.659

HBv2-Controls



GG (7) GA (25) AA (27)
Corr: 0.298 R2: 0.089
Z-Score: 2.292 P-Value: 0.022

HBv2-CeliacDisease



GG (14) GA (54) AA (43)
Corr: -0.083 R2: 0.007
Z-Score: -0.863 P-Value: 0.388

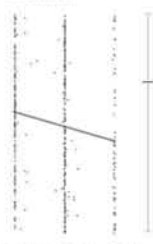
HBv2-ALS



GG (12) GA (32) AA (15)
Corr: 0.154 R2: 0.024
Z-Score: 1.162 P-Value: 0.245

SNP rs2517713 (chr. 6, 30020078 bp)
Probe 1500149 (chr. 22, 38124692 - 38164078 bp), MAP3K7P1
P-Value 2.07E-7

HT12-Controls



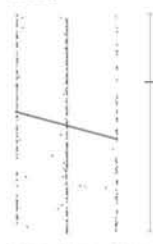
TT (150) TG (205) GG (59)
Corr: -0.156 R2: 0.024
Z-Score: 3.187 P-Value: 0.001

HT12-COPD



TT (162) TG (209) GG (82)
Corr: -0.114 R2: 0.013
Z-Score: 2.427 P-Value: 0.015

HT12-ALS



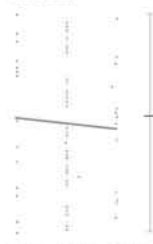
TT (98) TG (170) GG (56)
Corr: -0.143 R2: 0.02
Z-Score: 2.569 P-Value: 0.01

HT12-UC



TT (27) TG (17) GG (5)
Corr: -0.333 R2: 0.111
Z-Score: 2.341 P-Value: 0.019

HBv2-Controls



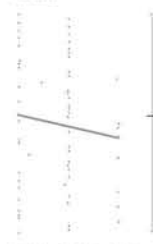
TT (14) TG (32) GG (13)
Corr: -0.058 R2: 0.003
Z-Score: -0.435 P-Value: 0.663

HBv2-CeliacDisease



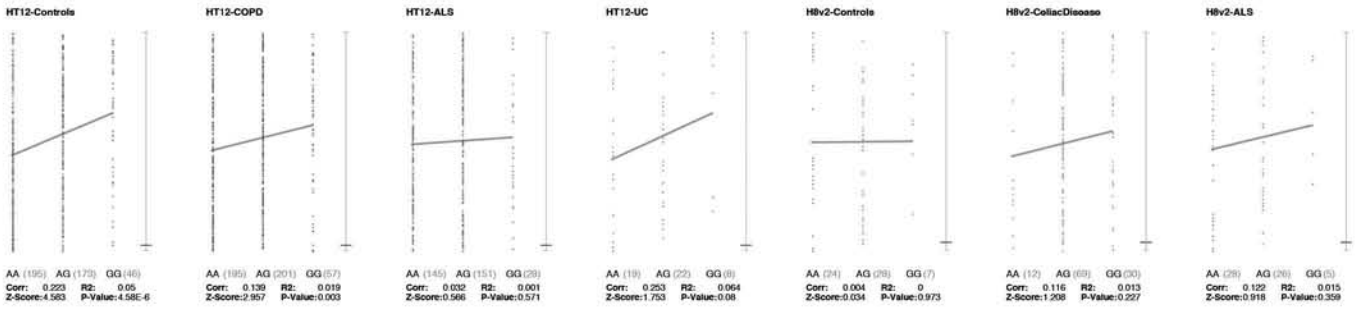
TT (20) TG (82) GG (29)
Corr: -0.087 R2: 0.007
Z-Score: -0.903 P-Value: 0.367

HBv2-ALS

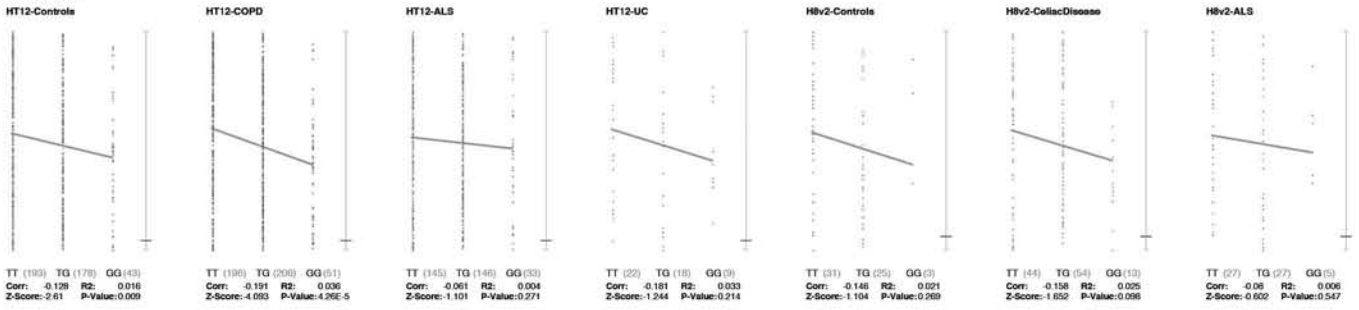


TT (29) TG (28) GG (8)
Corr: -0.119 R2: 0.014
Z-Score: -0.897 P-Value: 0.37

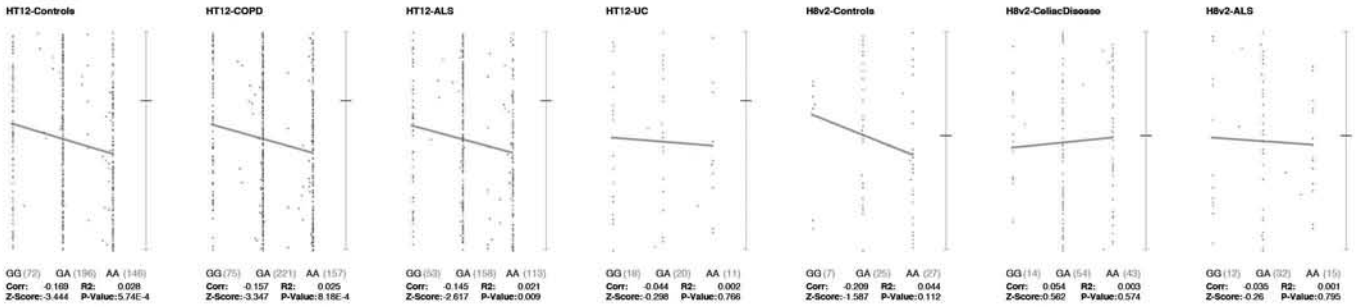
SNP rs313263 (chr. 6, 32497626 bp)
 Probe 2940424 (chr. 7, 36518135 - 36731593 bp), AOH1
 P-Value 2.08E-7



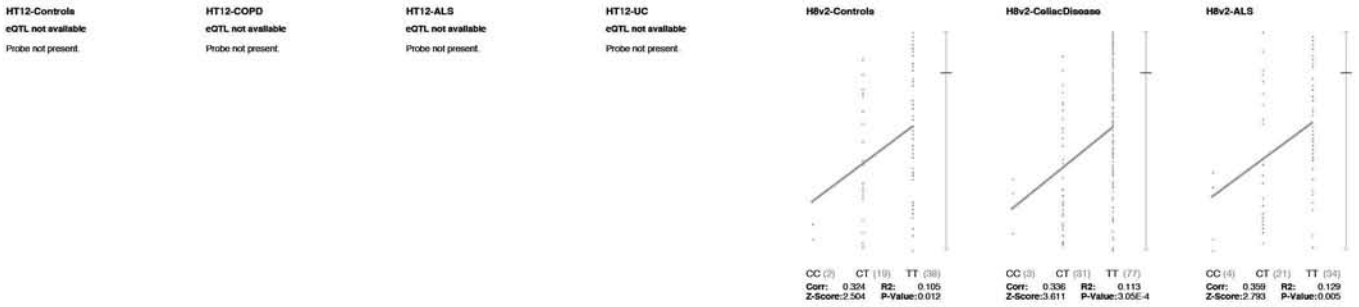
SNP rs1701704 (chr. 12, 54688754 bp)
 Probe 3190671 (chr. 19, 1191749 - 1196823 bp), ATP5D
 P-Value 2.05E-7



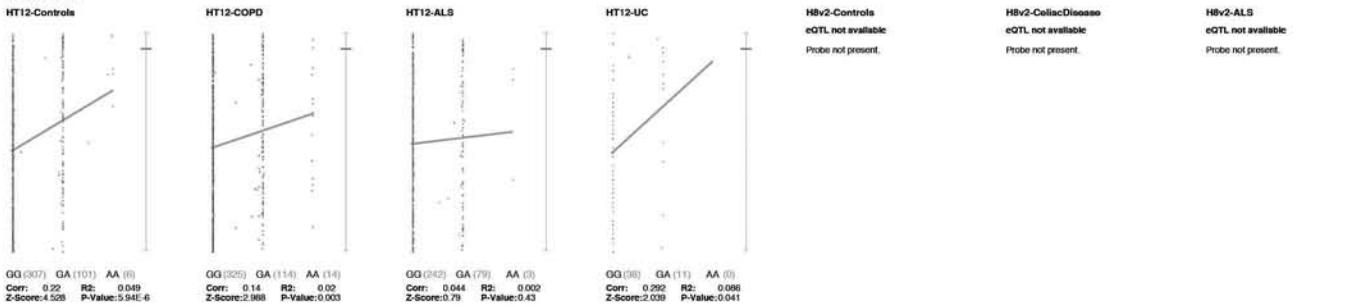
SNP rs2523333 (chr. 6, 29613638 bp)
 Probe 6640406 (chr. 6, 6523240 - 6601215 bp), LY6E
 P-Value 2.06E-7



SNP rs4307868 (chr. 11, 133072195 bp)
 Probe Human_RefSeq-v2_4730132 (chr. 12, 38434090 - 38787158 bp), SLC2A13
 P-Value 2.01E-7



SNP rs2647044 (chr. 6, 32775888 bp)
 Probe 1110300 (chr. 4, 19376727 - 193821641 bp), TMEM154
 P-Value 1.75E-7



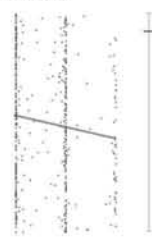
SNP rs1245738 (chr. 3, 56840616 bp)
Probe 5610605 (chr. 15, 37659572 - 37662845 tel), THBS1
P-Value 1.7E-7

HT12-Controls



GG (153) GA (194) AA (67)
Corr: -0.174 R2: 0.03
Z-Score: -3.564 P-Value: 3.65E-4

HT12-COPD



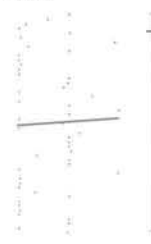
GG (202) GA (200) AA (51)
Corr: -0.121 R2: 0.015
Z-Score: -2.585 P-Value: 0.01

HT12-ALS



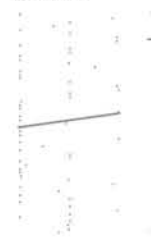
GG (132) GA (148) AA (44)
Corr: -0.168 R2: 0.028
Z-Score: -3.029 P-Value: 0.002

HT12-UC



GG (24) GA (22) AA (3)
Corr: 0.031 R2: 0.001
Z-Score: 0.214 P-Value: 0.831

HBv2-Controls



GG (20) GA (21) AA (10)
Corr: 0.075 R2: 0.006
Z-Score: 0.568 P-Value: 0.57

HBv2-CeliacDisease



GG (41) GA (57) AA (13)
Corr: -0.099 R2: 0.01
Z-Score: -1.028 P-Value: 0.299

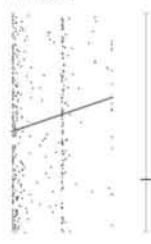
HBv2-ALS



GG (20) GA (32) AA (7)
Corr: -0.231 R2: 0.053
Z-Score: -1.762 P-Value: 0.078

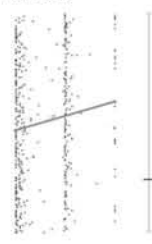
SNP rs11622954 (chr. 11, 182856 bp)
Probe 1050292 (chr. 3, 130261335 - 130264935 bp), GP9
P-Value 1.64E-7

HT12-Controls



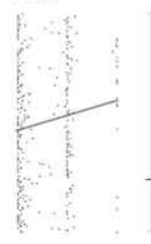
GG (248) GA (143) AA (23)
Corr: 0.144 R2: 0.021
Z-Score: 2.934 P-Value: 0.003

HT12-COPD



GG (261) GA (185) AA (27)
Corr: 0.134 R2: 0.018
Z-Score: 2.853 P-Value: 0.004

HT12-ALS



GG (190) GA (116) AA (18)
Corr: 0.134 R2: 0.018
Z-Score: 2.419 P-Value: 0.016

HT12-UC



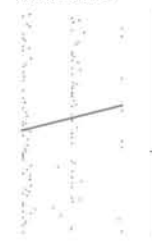
GG (31) GA (15) AA (3)
Corr: -0.002 R2: 0
Z-Score: -0.012 P-Value: 0.99

HBv2-Controls



GG (26) GA (29) AA (4)
Corr: 0.174 R2: 0.03
Z-Score: 1.317 P-Value: 0.188

HBv2-CeliacDisease



GG (56) GA (47) AA (8)
Corr: 0.115 R2: 0.013
Z-Score: 1.197 P-Value: 0.231

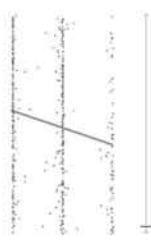
HBv2-ALS



GG (40) GA (19) AA (0)
Corr: 0.236 R2: 0.057
Z-Score: 1.821 P-Value: 0.069

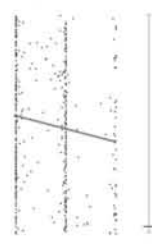
SNP rs1245738 (chr. 3, 56840616 bp)
Probe 2340577 (chr. 1, 120261435 - 120278414 bp), AQP10/ATP9B2
P-Value 1.61E-7

HT12-Controls



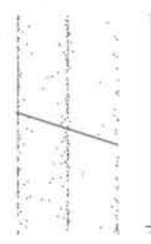
GG (153) GA (194) AA (67)
Corr: -0.187 R2: 0.035
Z-Score: -3.818 P-Value: 1.35E-4

HT12-COPD



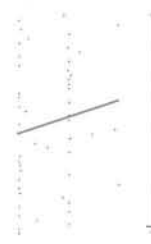
GG (202) GA (200) AA (51)
Corr: -0.133 R2: 0.018
Z-Score: -2.839 P-Value: 0.005

HT12-ALS



GG (132) GA (148) AA (44)
Corr: -0.165 R2: 0.027
Z-Score: -2.984 P-Value: 0.003

HT12-UC



GG (24) GA (22) AA (3)
Corr: 0.153 R2: 0.023
Z-Score: 1.048 P-Value: 0.295

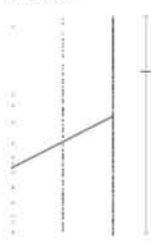
HBv2-Controls
eQTL not available
Probe not present.

HBv2-CeliacDisease
eQTL not available
Probe not present.

HBv2-ALS
eQTL not available
Probe not present.

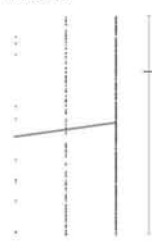
SNP rs425105 (chr. 19, 51900321 bp)
Probe 1000390 (chr. 12, 111826122 - 111830177 bp), OAS1
P-Value 1.58E-7

HT12-Controls



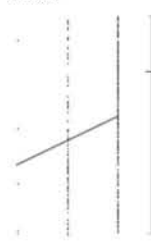
CC (15) CT (100) TT (290)
Corr: 0.22 R2: 0.048
Z-Score: 4.509 P-Value: 6.5E-6

HT12-COPD



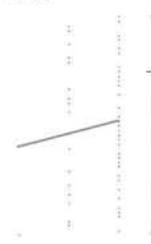
CC (11) CT (119) TT (323)
Corr: 0.056 R2: 0.003
Z-Score: 1.18 P-Value: 0.238

HT12-ALS



CC (5) CT (89) TT (220)
Corr: 0.191 R2: 0.036
Z-Score: 3.455 P-Value: 5.5E-4

HT12-UC



CC (1) CT (10) TT (22)
Corr: 0.108 R2: 0.012
Z-Score: 0.736 P-Value: 0.461

HBv2-Controls
eQTL not available
Probe not present.

HBv2-CeliacDisease
eQTL not available
Probe not present.

HBv2-ALS
eQTL not available
Probe not present.

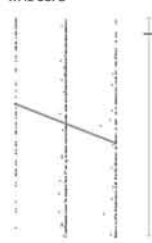
SNP rs12718597 (chr. 7, 503205922 bp)
Probe 3290161 (chr. 19, 60428926 - 60433444 bp), TME8B8
P-Value 1.43E-7

HT12-Controls



AA (94) AC (197) CC (153)
Corr: -0.139 R2: 0.019
Z-Score: -2.83 P-Value: 0.005

HT12-COPD



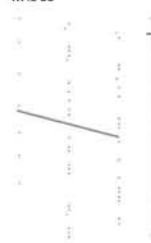
AA (88) AC (226) CC (159)
Corr: -0.209 R2: 0.044
Z-Score: -4.492 P-Value: 7.05E-6

HT12-ALS



AA (56) AC (103) CC (105)
Corr: -0.079 R2: 0.006
Z-Score: -1.42 P-Value: 0.156

HT12-UC



AA (7) AC (23) CC (19)
Corr: -0.138 R2: 0.019
Z-Score: -0.946 P-Value: 0.344

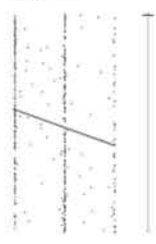
HBv2-Controls
eQTL not available
Probe not present.

HBv2-CeliacDisease
eQTL not available
Probe not present.

HBv2-ALS
eQTL not available
Probe not present.

SNP rs11171739 (chr. 12, 54756892 bp)
Probe 3450750 (chr. 19, 62729505 - 62744506 bp), ZNF549
P-Value: 1.3E-7

HT12-Controls



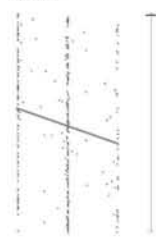
TT (158) TC (190) CC (80)
Corr: -0.191 R2: 0.036
Z-Score: -3.958 P-Value: 9.29E-5

HT12-COPD



TT (153) TC (225) CC (75)
Corr: -0.096 R2: 0.009
Z-Score: -2.048 P-Value: 0.041

HT12-ALS



TT (102) TC (174) CC (48)
Corr: -0.178 R2: 0.032
Z-Score: -3.235 P-Value: 0.001

HT12-UC



TT (16) TC (34) CC (9)
Corr: -0.096 R2: 0.009
Z-Score: -0.654 P-Value: 0.513

HBv2-Controls

eQTL not available
Probe not present.

HBv2-ColiacDisease

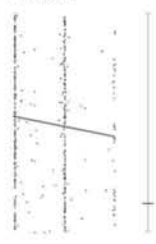
eQTL not available
Probe not present.

HBv2-ALS

eQTL not available
Probe not present.

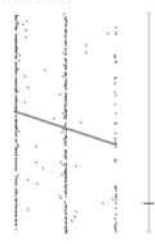
SNP rs2922239 (chr. 12, 54768447 bp)
Probe 5000026 (chr. 9, 10074959 - 10087889 bp), COL15A1
P-Value: 1.26E-7

HT12-Controls



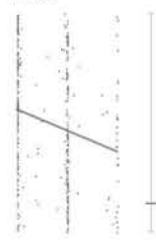
GG (190) GT (180) TT (38)
Corr: -0.099 R2: 0.01
Z-Score: -2.015 P-Value: 0.044

HT12-COPD



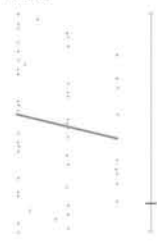
GG (190) GT (200) TT (40)
Corr: -0.17 R2: 0.029
Z-Score: -3.63 P-Value: 2.83E-4

HT12-ALS



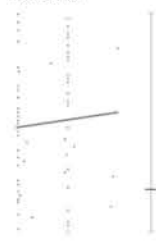
GG (144) GT (147) TT (33)
Corr: -0.212 R2: 0.045
Z-Score: -3.841 P-Value: 1.23E-4

HT12-UC



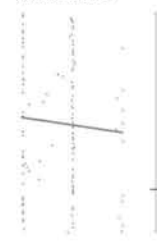
GG (33) GT (17) TT (9)
Corr: -0.142 R2: 0.02
Z-Score: -0.974 P-Value: 0.33

HBv2-Controls



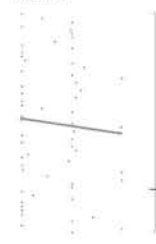
GG (90) GT (26) TT (3)
Corr: 0.067 R2: 0.005
Z-Score: 0.507 P-Value: 0.612

HBv2-ColiacDisease



GG (44) GT (55) TT (12)
Corr: -0.074 R2: 0.005
Z-Score: -0.737 P-Value: 0.461

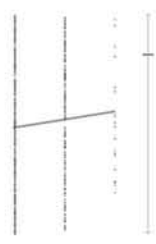
HBv2-ALS



GG (28) GT (26) TT (5)
Corr: -0.074 R2: 0.005
Z-Score: -0.555 P-Value: 0.579

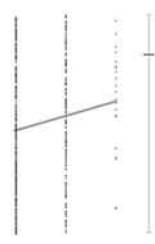
SNP rs9357152 (chr. 6, 32772938 bp)
Probe 7610167 (chr. 19, 49875011 - 49895687 bp), RAB48
P-Value: 1.21E-7

HT12-Controls



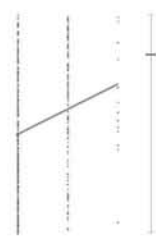
AA (241) AG (154) GG (19)
Corr: 0.076 R2: 0.006
Z-Score: 1.542 P-Value: 0.123

HT12-COPD



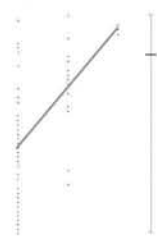
AA (272) AG (190) GG (21)
Corr: 0.132 R2: 0.017
Z-Score: 2.82 P-Value: 0.005

HT12-ALS



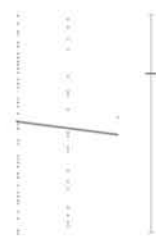
AA (203) AG (108) GG (13)
Corr: 0.223 R2: 0.05
Z-Score: 4.057 P-Value: 4.97E-5

HT12-UC



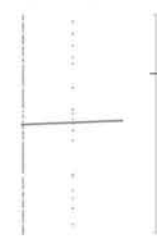
AA (33) AG (13) GG (3)
Corr: 0.556 R2: 0.309
Z-Score: 4.145 P-Value: 3.4E-5

HBv2-Controls



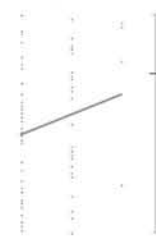
AA (39) AG (19) GG (1)
Corr: -0.05 R2: 0.003
Z-Score: -0.379 P-Value: 0.704

HBv2-ColiacDisease



AA (83) AG (18) GG (0)
Corr: 0.012 R2: 0
Z-Score: 0.127 P-Value: 0.899

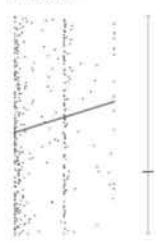
HBv2-ALS



AA (37) AG (23) GG (4)
Corr: 0.192 R2: 0.037
Z-Score: 1.461 P-Value: 0.144

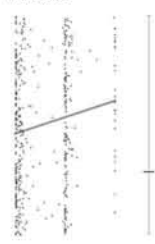
SNP rs11022954 (chr. 11, 192856 bp)
Probe 1980315 (chr. 5, 24871568 - 24871568 bp), -
P-Value: 1.12E-7

HT12-Controls



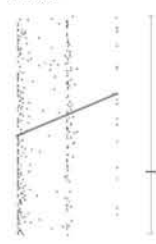
GG (248) GA (143) AA (23)
Corr: 0.135 R2: 0.018
Z-Score: 2.746 P-Value: 0.006

HT12-COPD



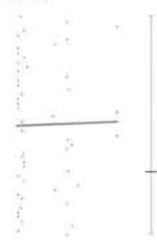
GG (261) GA (165) AA (27)
Corr: 0.152 R2: 0.023
Z-Score: 3.251 P-Value: 0.001

HT12-ALS



GG (190) GA (116) AA (18)
Corr: 0.187 R2: 0.035
Z-Score: 3.389 P-Value: 7E-4

HT12-UC



GG (31) GA (15) AA (3)
Corr: 0.019 R2: 0
Z-Score: 0.131 P-Value: 0.896

HBv2-Controls

eQTL not available
Probe not present.

HBv2-ColiacDisease

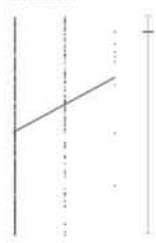
eQTL not available
Probe not present.

HBv2-ALS

eQTL not available
Probe not present.

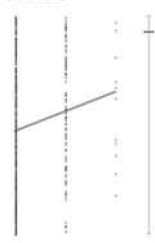
SNP rs8321 (chr. 6, 30140501 bp)
Probe 1110300 (chr. 4, 153760727 - 153821641 bp), TMEM154
P-Value: 1.09E-7

HT12-Controls



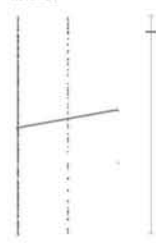
AA (316) AC (90) CC (8)
Corr: 0.207 R2: 0.043
Z-Score: 4.246 P-Value: 2.18E-5

HT12-COPD



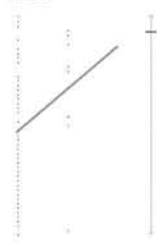
AA (341) AC (101) CC (11)
Corr: 0.151 R2: 0.023
Z-Score: 3.231 P-Value: 0.001

HT12-ALS



AA (248) AC (74) CC (2)
Corr: 0.063 R2: 0.004
Z-Score: 1.126 P-Value: 0.26

HT12-UC



AA (41) AC (3) CC (0)
Corr: 0.248 R2: 0.061
Z-Score: 1.704 P-Value: 0.088

HBv2-Controls

eQTL not available
Probe not present.

HBv2-ColiacDisease

eQTL not available
Probe not present.

HBv2-ALS

eQTL not available
Probe not present.

SNP rs1427407 (chr. 2, 60571547 bp)
Probe Human_FitSeq_8_v2-6400079 (chr. 11, 5229996 - 5429081 bp), HBG2(WENST0000039563)

P-Value: 1.05E-7

HT12-Controls

eQTL not available

Probe not present.

HT12-COPD

eQTL not available

Probe not present.

HT12-ALS

eQTL not available

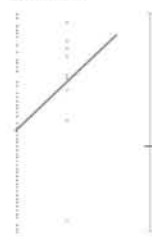
Probe not present.

HT12-UC

eQTL not available

Probe not present.

HbV2-Controls



GG (50) GT (9) TT (0)
Corr: 0.266 R2: 0.071
Z-Score: 2.039 P-Value: 0.041

HbV2-CeliacDisease



GG (78) GT (30) TT (3)
Corr: 0.302 R2: 0.091
Z-Score: 3.221 P-Value: 0.001

HbV2-ALS



GG (42) GT (15) TT (2)
Corr: 0.499 R2: 0.249
Z-Score: 4.021 P-Value: 5.79E-5

SNP rs1701704 (chr. 12, 54698754 bp)
Probe 5000026 (chr. 9, 10074959 - 10087889 bp), COL15A1

P-Value: 1.03E-7

HT12-Controls



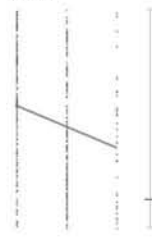
TT (193) TG (178) GG (43)
Corr: -0.1 R2: 0.01
Z-Score: -2.034 P-Value: 0.042

HT12-COPD



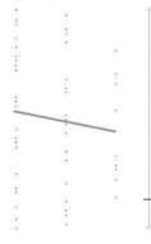
TT (190) TG (200) GG (51)
Corr: -0.171 R2: 0.029
Z-Score: -3.854 P-Value: 2.59E-4

HT12-ALS



TT (145) TG (148) GG (33)
Corr: -0.22 R2: 0.048
Z-Score: -3.991 P-Value: 6.59E-5

HT12-UC



TT (22) TG (18) GG (9)
Corr: -0.119 R2: 0.014
Z-Score: -0.817 P-Value: 0.414

HbV2-Controls



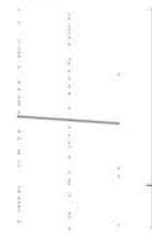
TT (31) TG (25) GG (3)
Corr: 0.055 R2: 0.003
Z-Score: 0.417 P-Value: 0.677

HbV2-CeliacDisease



TT (44) TG (54) GG (13)
Corr: -0.075 R2: 0.006
Z-Score: -0.782 P-Value: 0.434

HbV2-ALS



TT (27) TG (27) GG (5)
Corr: -0.036 R2: 0.001
Z-Score: -0.271 P-Value: 0.786

SNP rs929645 (chr. 6, 32516502 bp)
Probe 5570703 (chr. 21, 38672819 - 38956488 bp), EFG

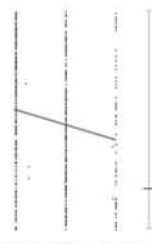
P-Value: 9.6E-8

HT12-Controls



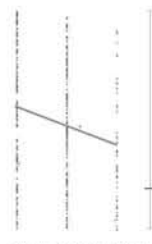
CC (172) CG (187) GG (55)
Corr: -0.074 R2: 0.005
Z-Score: -1.502 P-Value: 0.133

HT12-COPD



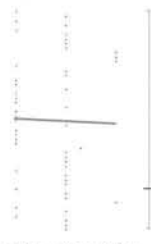
CC (194) CG (197) GG (62)
Corr: -0.168 R2: 0.028
Z-Score: -3.582 P-Value: 3.41E-4

HT12-ALS



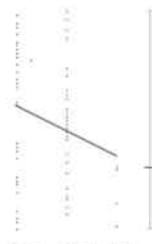
CC (199) CG (140) GG (45)
Corr: -0.213 R2: 0.045
Z-Score: -3.857 P-Value: 1.15E-4

HT12-UC



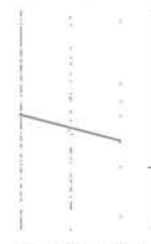
CC (20) CG (25) GG (4)
Corr: -0.025 R2: 0.001
Z-Score: -0.17 P-Value: 0.885

HbV2-Controls



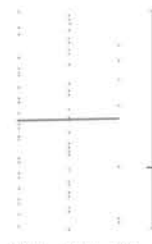
CC (29) CG (20) GG (4)
Corr: -0.238 R2: 0.057
Z-Score: -1.815 P-Value: 0.07

HbV2-CeliacDisease



CC (73) CG (31) GG (7)
Corr: -0.122 R2: 0.015
Z-Score: -1.272 P-Value: 0.203

HbV2-ALS

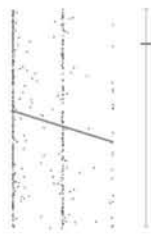


CC (24) CG (28) GG (7)
Corr: 0.012 R2: 0
Z-Score: 0.067 P-Value: 0.93

SNP rs9399137 (chr. 6, 135482711 bp)
Probe 6960615 (chr. 16, 1932977 - 1945672 bp), RPL3L

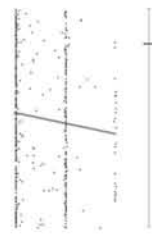
P-Value: 9.59E-8

HT12-Controls



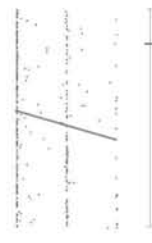
TT (289) TC (158) CC (25)
Corr: -0.144 R2: 0.021
Z-Score: -2.935 P-Value: 0.003

HT12-COPD



TT (256) TC (173) CC (25)
Corr: -0.098 R2: 0.01
Z-Score: -2.08 P-Value: 0.038

HT12-ALS



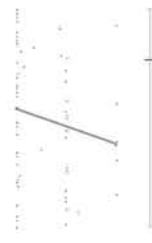
TT (188) TC (114) CC (22)
Corr: -0.14 R2: 0.02
Z-Score: -2.522 P-Value: 0.012

HT12-UC



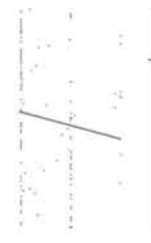
TT (25) TC (22) CC (2)
Corr: -0.268 R2: 0.071
Z-Score: -1.847 P-Value: 0.065

HbV2-Controls



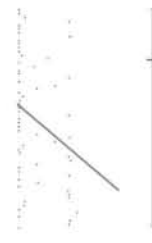
TT (34) TC (19) CC (6)
Corr: -0.181 R2: 0.033
Z-Score: -1.374 P-Value: 0.17

HbV2-CeliacDisease



TT (85) TC (37) CC (9)
Corr: -0.134 R2: 0.018
Z-Score: -1.407 P-Value: 0.159

HbV2-ALS

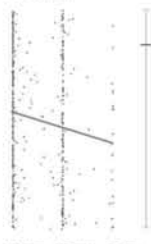


TT (42) TC (17) CC (6)
Corr: -0.283 R2: 0.08
Z-Score: -2.17 P-Value: 0.03

SNP rs778054 (chr. 6, 135482609 bp)
Probe 6960615 (chr. 16, 1932977 - 1945672 bp), RPL3L

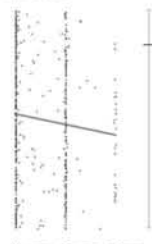
P-Value: 9.43E-8

HT12-Controls



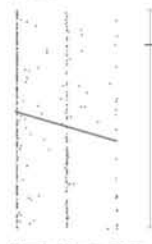
AA (263) AG (158) GG (25)
Corr: -0.144 R2: 0.021
Z-Score: -2.933 P-Value: 0.003

HT12-COPD



AA (255) AG (178) GG (25)
Corr: -0.098 R2: 0.01
Z-Score: -2.081 P-Value: 0.037

HT12-ALS



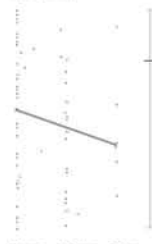
AA (188) AG (114) GG (22)
Corr: -0.14 R2: 0.02
Z-Score: -2.52 P-Value: 0.012

HT12-UC



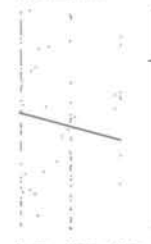
AA (25) AG (22) GG (2)
Corr: -0.268 R2: 0.071
Z-Score: -1.844 P-Value: 0.065

HbV2-Controls



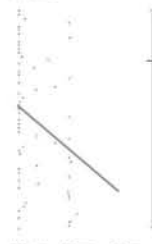
AA (34) AG (19) GG (6)
Corr: -0.181 R2: 0.033
Z-Score: -1.374 P-Value: 0.17

HbV2-CeliacDisease



AA (85) AG (37) GG (9)
Corr: -0.135 R2: 0.018
Z-Score: -1.408 P-Value: 0.159

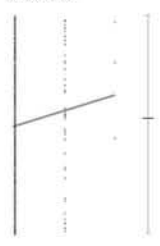
HbV2-ALS



AA (42) AG (17) GG (6)
Corr: -0.283 R2: 0.08
Z-Score: -2.174 P-Value: 0.03

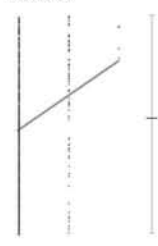
SNP rs675629 (chr. 2, 43018594 bp)
Probe 3120368 (chr. 3, 9910358 - 9934079 bp), IL17RE
P-Value 8.69E-8

HT12-Controls



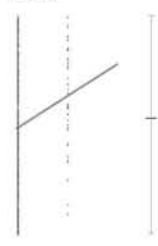
GG (372) GA (39) AA (3)
Corr: 0.081 R2: 0.007
Z-Score:1.65 P-Value:0.099

HT12-COPD



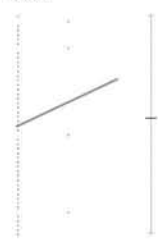
GG (381) GA (68) AA (1)
Corr: 0.217 R2: 0.047
Z-Score:4.688 P-Value:3.03E-8

HT12-ALS



GG (289) GA (95) AA (0)
Corr: 0.157 R2: 0.025
Z-Score:2.83 P-Value:0.005

HT12-UC



GG (45) GA (4) AA (0)
Corr: 0.1 R2: 0.01
Z-Score:0.685 P-Value:0.494

HBv2-Controls

eQTL not available
Probe not present.

HBv2-ColiacDisease

eQTL not available
Probe not present.

HBv2-ALS

eQTL not available
Probe not present.

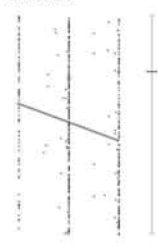
SNP rs2523393 (chr. 6, 29813638 bp)
Probe 4200025 (chr. 11, 119585957 - 119606959 bp), OAF
P-Value 8.57E-8

HT12-Controls



GG (72) GA (190) AA (140)
Corr: -0.14 R2: 0.02
Z-Score:-2.882 P-Value:0.004

HT12-COPD



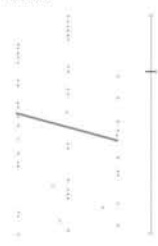
GG (76) GA (221) AA (152)
Corr: -0.197 R2: 0.039
Z-Score:-4.219 P-Value:2.45E-5

HT12-ALS



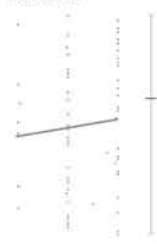
GG (53) GA (158) AA (113)
Corr: -0.144 R2: 0.021
Z-Score:-2.604 P-Value:0.009

HT12-UC



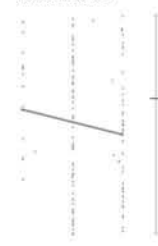
GG (18) GA (20) AA (11)
Corr: -0.153 R2: 0.023
Z-Score:-1.551 P-Value:0.293

HBv2-Controls



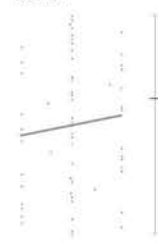
GG (7) GA (25) AA (27)
Corr: 0.087 R2: 0.008
Z-Score:0.654 P-Value:0.513

HBv2-ColiacDisease



GG (14) GA (54) AA (83)
Corr: -0.129 R2: 0.017
Z-Score:-1.347 P-Value:0.178

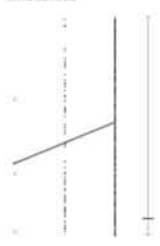
HBv2-ALS



GG (12) GA (32) AA (15)
Corr: 0.103 R2: 0.011
Z-Score:0.773 P-Value:0.44

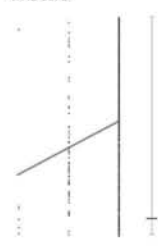
SNP rs7758512 (chr. 6, 30078568 bp)
Probe 4200600 (chr. 20, 6551199 - 65560176 bp), C20orf200
P-Value 8.35E-8

HT12-Controls



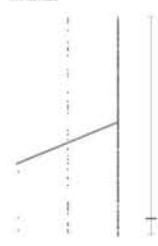
GG (4) GT (64) TT (348)
Corr: 0.13 R2: 0.017
Z-Score:2.655 P-Value:0.008

HT12-COPD



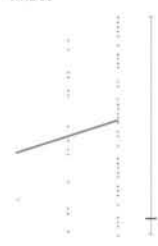
GG (6) GT (58) TT (389)
Corr: 0.167 R2: 0.028
Z-Score:3.561 P-Value:3.7E-4

HT12-ALS



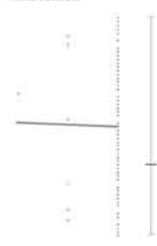
GG (3) GT (44) TT (227)
Corr: 0.125 R2: 0.016
Z-Score:2.257 P-Value:0.024

HT12-UC



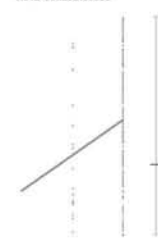
GG (1) GT (14) TT (34)
Corr: 0.124 R2: 0.015
Z-Score:0.851 P-Value:0.395

HBv2-Controls



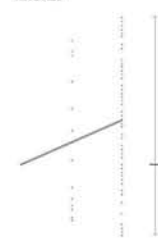
GG (1) GT (6) TT (52)
Corr: -0.01 R2: 0
Z-Score:-0.077 P-Value:0.939

HBv2-ColiacDisease



GG (6) GT (16) TT (95)
Corr: 0.192 R2: 0.037
Z-Score:2.02 P-Value:0.043

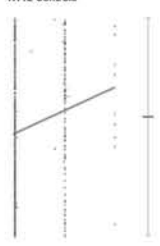
HBv2-ALS



GG (9) GT (14) TT (45)
Corr: 0.145 R2: 0.021
Z-Score:1.096 P-Value:0.273

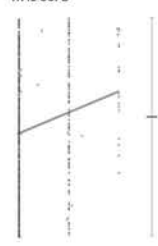
SNP rs3129934 (chr. 6, 32444165 bp)
Probe 3180504 (chr. 11, 69538721 - 6959052 bp), ATPGD1
P-Value 7.8E-8

HT12-Controls



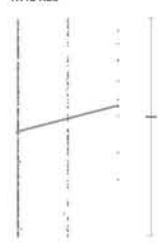
CC (303) CT (102) TT (9)
Corr: 0.183 R2: 0.034
Z-Score:3.745 P-Value:1.8E-4

HT12-COPD



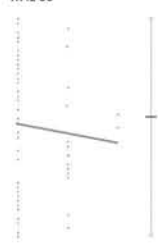
CC (381) CT (104) TT (18)
Corr: 0.178 R2: 0.032
Z-Score:3.813 P-Value:1.37E-4

HT12-ALS



CC (229) CT (84) TT (11)
Corr: 0.111 R2: 0.012
Z-Score:1.993 P-Value:0.046

HT12-UC



CC (34) CT (13) TT (2)
Corr: -0.084 R2: 0.007
Z-Score:-0.57 P-Value:0.568

HBv2-Controls

eQTL not available
Probe not present.

HBv2-ColiacDisease

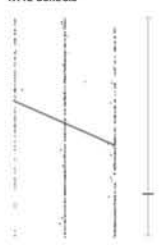
eQTL not available
Probe not present.

HBv2-ALS

eQTL not available
Probe not present.

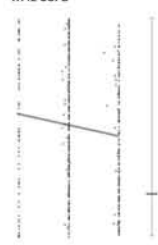
SNP rs12718597 (chr. 7, 50325922 bp)
Probe 830309 (chr. 17, 69714519 - 69728996 bp), FAM104A/COG1
P-Value 7.32E-8

HT12-Controls



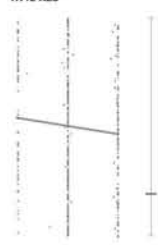
AA (94) AC (197) CC (153)
Corr: -0.238 R2: 0.057
Z-Score:-4.906 P-Value:9.31E-7

HT12-COPD



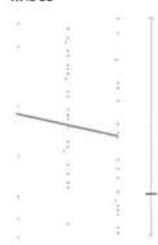
AA (68) AC (226) CC (159)
Corr: -0.118 R2: 0.014
Z-Score:-2.503 P-Value:0.012

HT12-ALS



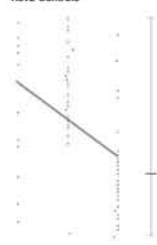
AA (56) AC (103) CC (105)
Corr: -0.089 R2: 0.008
Z-Score:-1.59 P-Value:0.112

HT12-UC



AA (7) AC (23) CC (19)
Corr: -0.115 R2: 0.013
Z-Score:-0.787 P-Value:0.431

HBv2-Controls



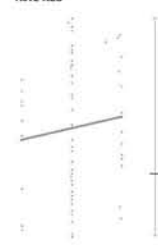
AA (11) AC (25) CC (25)
Corr: -0.428 R2: 0.183
Z-Score:-3.382 P-Value:7.19E-4

HBv2-ColiacDisease



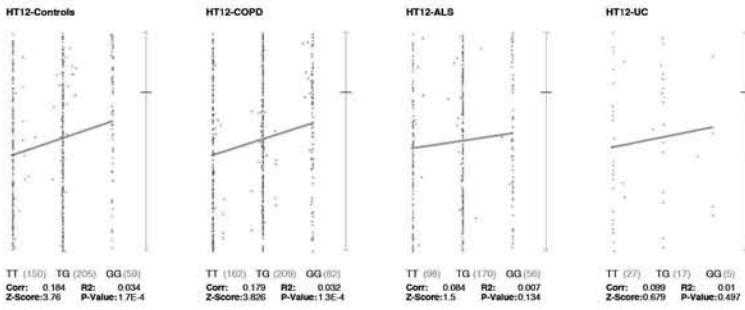
AA (11) AC (53) CC (47)
Corr: 0.005 R2: 0
Z-Score:0.051 P-Value:0.96

HBv2-ALS



AA (9) AC (95) CC (15)
Corr: 0.113 R2: 0.013
Z-Score:0.849 P-Value:0.396

SNP rs2517713 (chr. 6, 30066078 bp)
 Probe 80003 (chr. 8, 10276847 - 103007311 bp), NCALD
 P-Value: 6.81E-8

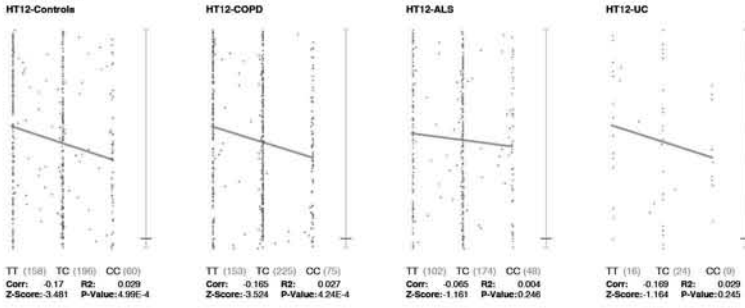


HBv2-Controls
 eQTL not available
 Probe not present.

HBv2-ColiacDisease
 eQTL not available
 Probe not present.

HBv2-ALS
 eQTL not available
 Probe not present.

SNP rs11171739 (chr. 12, 54756892 bp)
 Probe 3190671 (chr. 19, 1191749 - 1196823 bp), ATP5D
 P-Value: 5.99E-8

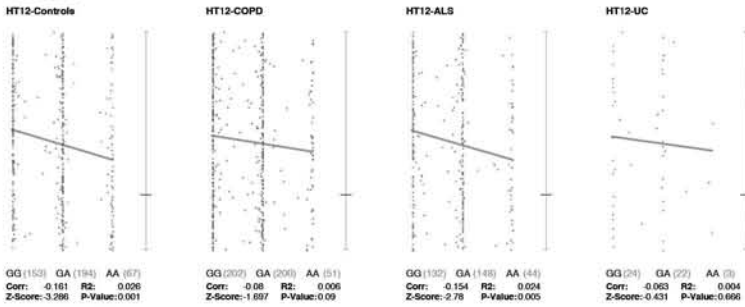


HBv2-Controls
 eQTL not available
 Probe not present.

HBv2-ColiacDisease
 eQTL not available
 Probe not present.

HBv2-ALS
 eQTL not available
 Probe not present.

SNP rs12485738 (chr. 3, 56842616 bp)
 Probe 4800681 (chr. 4, 156006328 - 156872626 bp), GUCY1A3
 P-Value: 6.05E-8

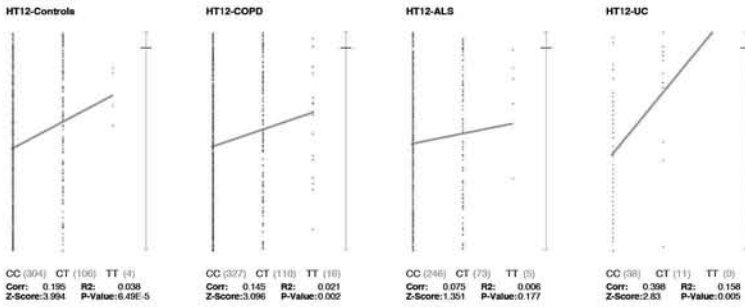


HBv2-Controls
 eQTL not available
 Probe not present.

HBv2-ColiacDisease
 eQTL not available
 Probe not present.

HBv2-ALS
 eQTL not available
 Probe not present.

SNP rs3131296 (chr. 6, 32280971 bp)
 Probe 1110300 (chr. 4, 153785727 - 153821641 bp), TMEM154
 P-Value: 5.68E-8

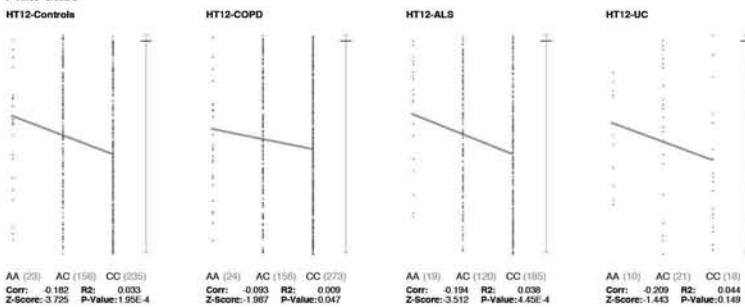


HBv2-Controls
 eQTL not available
 Probe not present.

HBv2-ColiacDisease
 eQTL not available
 Probe not present.

HBv2-ALS
 eQTL not available
 Probe not present.

SNP rs745761 (chr. 6, 31444079 bp)
 Probe 6260347 (chr. 22, 40346041 - 40390980 bp), MPOC6
 P-Value: 5.68E-8



HBv2-Controls
 eQTL not available
 Probe not present.

HBv2-ColiacDisease
 eQTL not available
 Probe not present.

HBv2-ALS
 eQTL not available
 Probe not present.

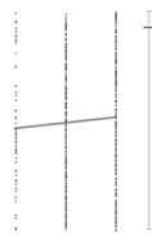
SNP rs494620 (chr. 6, 31946692 bp)
Probe 1110300 (chr. 4, 153765727 - 153821641 bp), TMEM154
P-Value: 5.01E-8

HT12-Controls



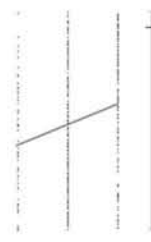
AA (51) AG (206) GG (157)
Corr: 0.196 R2: 0.039
Z-Score:4.025 P-Value:5.69E-5

HT12-COPD



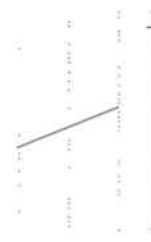
AA (52) AG (200) GG (193)
Corr: 0.057 R2: 0.003
Z-Score:1.218 P-Value:0.223

HT12-ALS



AA (50) AG (154) GG (117)
Corr: 0.226 R2: 0.051
Z-Score:4.111 P-Value:3.96E-5

HT12-UC



AA (7) AG (20) GG (22)
Corr: 0.219 R2: 0.048
Z-Score:4.151 P-Value:0.131

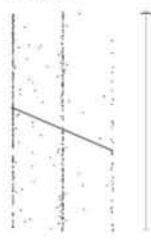
HBv2-Controls
eQTL not available
Probe not present.

HBv2-ColiacDisease
eQTL not available
Probe not present.

HBv2-ALS
eQTL not available
Probe not present.

SNP rs2292239 (chr. 12, 54768447 bp)
Probe 3450750 (chr. 19, 62729505 - 62744936 bp), ZNF549
P-Value: 4.89E-8

HT12-Controls



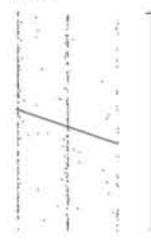
GG (196) GT (180) TT (38)
Corr: -0.214 R2: 0.046
Z-Score:-4.387 P-Value:1.19E-5

HT12-COPD



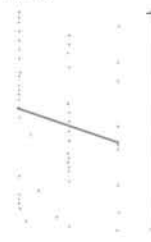
GG (190) GT (200) TT (40)
Corr: -0.086 R2: 0.007
Z-Score:-1.827 P-Value:0.068

HT12-ALS



GG (144) GT (147) TT (33)
Corr: -0.168 R2: 0.028
Z-Score:-3.038 P-Value:0.002

HT12-UC



GG (33) GT (17) TT (9)
Corr: -0.191 R2: 0.037
Z-Score:-1.316 P-Value:0.188

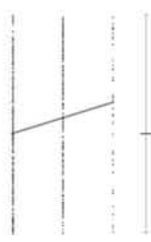
HBv2-Controls
eQTL not available
Probe not present.

HBv2-ColiacDisease
eQTL not available
Probe not present.

HBv2-ALS
eQTL not available
Probe not present.

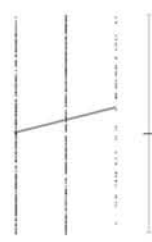
SNP rs6445975 (chr. 3, 58345217 bp)
Probe 450370 (chr. 16, 63103029 - 63103029 bp),
P-Value: 4.87E-8

HT12-Controls



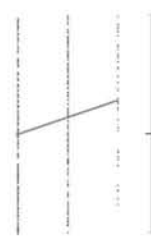
TT (200) TG (177) GG (37)
Corr: 0.156 R2: 0.024
Z-Score:3.191 P-Value:0.001

HT12-COPD



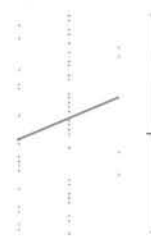
TT (199) TG (205) GG (45)
Corr: 0.126 R2: 0.016
Z-Score:2.682 P-Value:0.007

HT12-ALS



TT (160) TG (127) GG (37)
Corr: 0.187 R2: 0.035
Z-Score:3.377 P-Value:7.32E-4

HT12-UC



TT (17) TG (28) GG (4)
Corr: 0.193 R2: 0.037
Z-Score:1.326 P-Value:0.184

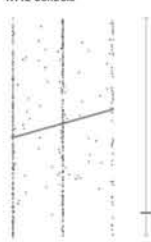
HBv2-Controls
eQTL not available
Probe not present.

HBv2-ColiacDisease
eQTL not available
Probe not present.

HBv2-ALS
eQTL not available
Probe not present.

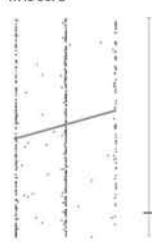
SNP rs11171739 (chr. 12, 54756892 bp)
Probe 1030333 (chr. 17, 29025409 - 29029329 bp), CCL2
P-Value: 4.93E-8

HT12-Controls



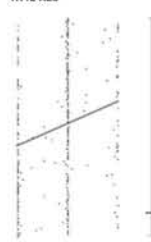
TT (158) TC (190) CC (60)
Corr: 0.152 R2: 0.023
Z-Score:3.056 P-Value:0.002

HT12-COPD



TT (153) TC (225) CC (75)
Corr: 0.132 R2: 0.021
Z-Score:3.235 P-Value:0.001

HT12-ALS



TT (102) TC (174) CC (68)
Corr: 0.226 R2: 0.051
Z-Score:4.097 P-Value:4.18E-5

HT12-UC



TT (16) TC (24) CC (9)
Corr: 0.269 R2: 0.072
Z-Score:1.87 P-Value:0.062

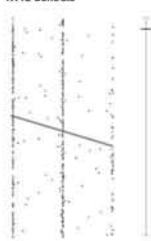
HBv2-Controls
eQTL not available
Probe not present.

HBv2-ColiacDisease
eQTL not available
Probe not present.

HBv2-ALS
eQTL not available
Probe not present.

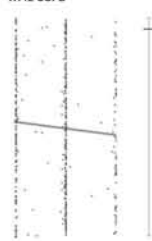
SNP rs11171739 (chr. 12, 54756892 bp)
Probe 2650112 (chr. 9, 13796357 - 13799404 bp), UBAC1
P-Value: 4.6E-8

HT12-Controls



TT (158) TC (190) CC (60)
Corr: -0.155 R2: 0.024
Z-Score:-3.165 P-Value:0.002

HT12-COPD



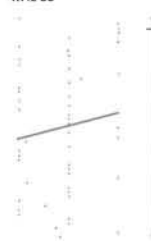
TT (153) TC (225) CC (75)
Corr: -0.071 R2: 0.005
Z-Score:-1.515 P-Value:0.13

HT12-ALS



TT (102) TC (174) CC (68)
Corr: -0.278 R2: 0.078
Z-Score:-5.1 P-Value:3.4E-7

HT12-UC



TT (16) TC (24) CC (9)
Corr: 0.14 R2: 0.02
Z-Score:0.961 P-Value:0.337

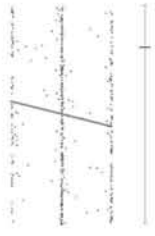
HBv2-Controls
eQTL not available
Probe not present.

HBv2-ColiacDisease
eQTL not available
Probe not present.

HBv2-ALS
eQTL not available
Probe not present.

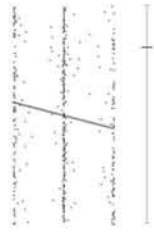
SNP rs643361 (chr. 6, 139681116 bp)
Probe 3290369 (chr. 20, 1040906 - 1090022 bp), PSMF1
P-Value 4.43E-8

HT12-Controls



AA (82) AC (210) CC (110)
Corr: -0.129 R2: 0.017
Z-Score: 2.627 P-Value: 0.009

HT12-COPD



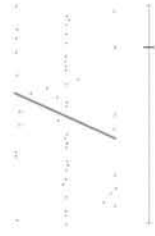
AA (110) AC (230) CC (101)
Corr: -0.133 R2: 0.018
Z-Score: 2.842 P-Value: 0.004

HT12-ALS



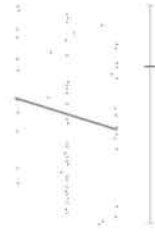
AA (95) AC (149) CC (80)
Corr: -0.151 R2: 0.023
Z-Score: 2.715 P-Value: 0.007

HT12-UC



AA (11) AC (29) CC (9)
Corr: -0.211 R2: 0.044
Z-Score: 1.452 P-Value: 0.147

HBv2-Controls



AA (11) AC (31) CC (17)
Corr: -0.161 R2: 0.026
Z-Score: 1.218 P-Value: 0.223

HBv2-ColiacDisease



AA (30) AC (57) CC (24)
Corr: -0.128 R2: 0.016
Z-Score: 1.339 P-Value: 0.18

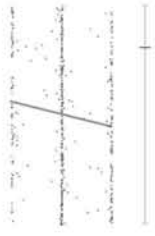
HBv2-ALS



AA (14) AC (28) CC (17)
Corr: -0.227 R2: 0.051
Z-Score: 1.725 P-Value: 0.085

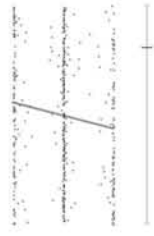
SNP rs626751 (chr. 6, 139681112 bp)
Probe 3290369 (chr. 20, 1040906 - 1090022 bp), PSMF1
P-Value 4.4E-8

HT12-Controls



AA (82) AC (210) CC (110)
Corr: -0.129 R2: 0.017
Z-Score: 2.63 P-Value: 0.009

HT12-COPD



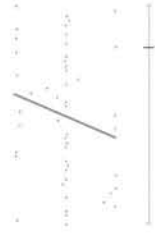
AA (110) AC (230) CC (101)
Corr: -0.134 R2: 0.018
Z-Score: 2.852 P-Value: 0.004

HT12-ALS



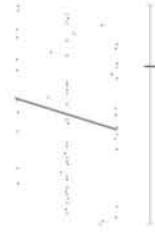
AA (95) AC (149) CC (80)
Corr: -0.15 R2: 0.022
Z-Score: 2.705 P-Value: 0.007

HT12-UC



AA (11) AC (29) CC (9)
Corr: -0.208 R2: 0.043
Z-Score: 1.452 P-Value: 0.151

HBv2-Controls



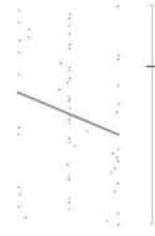
AA (11) AC (31) CC (17)
Corr: -0.162 R2: 0.026
Z-Score: 1.225 P-Value: 0.22

HBv2-ColiacDisease



AA (30) AC (57) CC (24)
Corr: -0.128 R2: 0.016
Z-Score: 1.339 P-Value: 0.181

HBv2-ALS



AA (14) AC (28) CC (17)
Corr: -0.227 R2: 0.051
Z-Score: 1.727 P-Value: 0.084

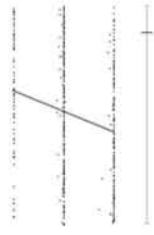
SNP rs12718597 (chr. 7, 50395922 bp)
Probe 1780538 (chr. 23, 152616234 bp), SLC6A8
P-Value 4.33E-8

HT12-Controls



AA (64) AC (197) CC (153)
Corr: -0.095 R2: 0.009
Z-Score: 1.924 P-Value: 0.054

HT12-COPD



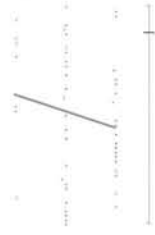
AA (68) AC (226) CC (159)
Corr: -0.222 R2: 0.049
Z-Score: 4.779 P-Value: 1.76E-6

HT12-ALS



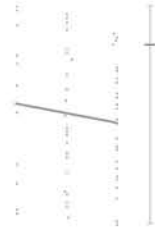
AA (56) AC (163) CC (105)
Corr: -0.137 R2: 0.019
Z-Score: 2.47 P-Value: 0.014

HT12-UC



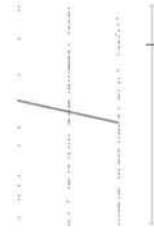
AA (7) AC (23) CC (11)
Corr: -0.175 R2: 0.031
Z-Score: 1.203 P-Value: 0.229

HBv2-Controls



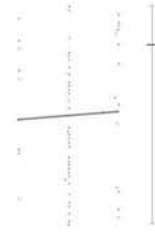
AA (11) AC (23) CC (25)
Corr: -0.107 R2: 0.012
Z-Score: -0.808 P-Value: 0.419

HBv2-ColiacDisease



AA (11) AC (53) CC (47)
Corr: -0.113 R2: 0.013
Z-Score: -1.176 P-Value: 0.239

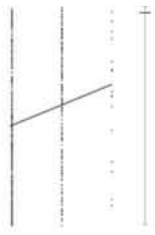
HBv2-ALS



AA (9) AC (35) CC (15)
Corr: 0.042 R2: 0.002
Z-Score: 0.313 P-Value: 0.754

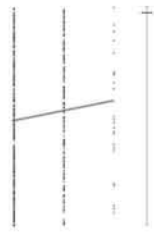
SNP rs13437062 (chr. 6, 31462529 bp)
Probe 6380347 (chr. 22, 40348241 - 4039096 bp), XFCC6
P-Value 4.14E-8

HT12-Controls



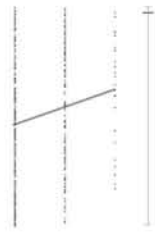
CC (248) CT (148) TT (17)
Corr: 0.185 R2: 0.034
Z-Score: 3.793 P-Value: 1.49E-4

HT12-COPD



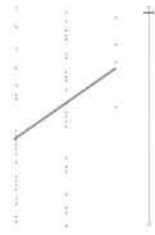
CC (260) CT (189) TT (24)
Corr: 0.095 R2: 0.009
Z-Score: 2.03 P-Value: 0.042

HT12-ALS



CC (188) CT (113) TT (28)
Corr: 0.173 R2: 0.03
Z-Score: 3.134 P-Value: 0.002

HT12-UC



CC (22) CT (23) TT (4)
Corr: 0.342 R2: 0.117
Z-Score: 2.404 P-Value: 0.016

HBv2-Controls

eQTL not available
Probe not present.

HBv2-ColiacDisease

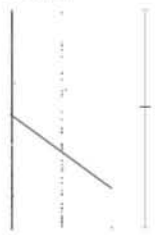
eQTL not available
Probe not present.

HBv2-ALS

eQTL not available
Probe not present.

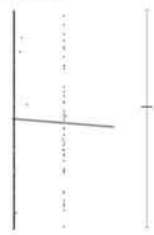
SNP rs570917 (chr. 22, 49364219 bp)
Probe 2940673 (chr. 16, 2957408 - 2957567 bp), KHEMN2
P-Value 3.81E-8

HT12-Controls



TT (385) TC (48) CC (11)
Corr: -0.192 R2: 0.037
Z-Score: 3.938 P-Value: 8.17E-5

HT12-COPD



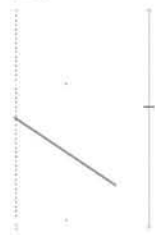
TT (411) TC (42) CC (0)
Corr: -0.018 R2: 0
Z-Score: 0.394 P-Value: 0.701

HT12-ALS



TT (292) TC (82) CC (0)
Corr: -0.22 R2: 0.048
Z-Score: 3.989 P-Value: 6.64E-5

HT12-UC



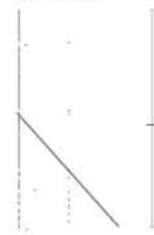
TT (47) TC (2) CC (0)
Corr: -0.103 R2: 0.011
Z-Score: -0.705 P-Value: 0.481

HBv2-Controls



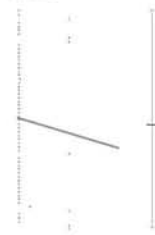
TT (53) TC (6) CC (0)
Corr: -0.201 R2: 0.04
Z-Score: 1.526 P-Value: 0.127

HBv2-ColiacDisease



TT (100) TC (11) CC (0)
Corr: -0.266 R2: 0.071
Z-Score: 2.817 P-Value: 0.005

HBv2-ALS



TT (52) TC (7) CC (0)
Corr: -0.076 R2: 0.006
Z-Score: 0.573 P-Value: 0.566

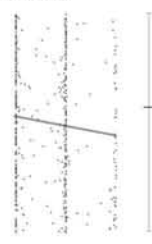
SNP rs1245738 (chr. 3, 56840616 bp)
 Probe 1000739 (chr. 2, 108570199 - 108671134 bp), LIMS1
 P-Value 3.82E-8

HT12-Controls



GG (153) GA (194) AA (67)
 Corr: 0.192 R2: 0.037
 Z-Score:3.932 P-Value:5.41E-5

HT12-COPD



GG (202) GA (200) AA (51)
 Corr: 0.1 R2: 0.01
 Z-Score:2.12 P-Value:0.034

HT12-ALS



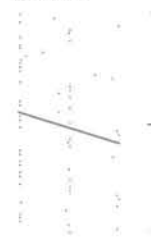
GG (132) GA (148) AA (44)
 Corr: 0.148 R2: 0.022
 Z-Score:2.686 P-Value:0.007

HT12-UC



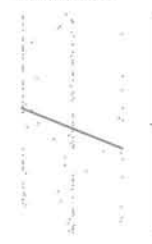
GG (24) GA (22) AA (3)
 Corr: 0.003 R2: 0
 Z-Score:0.02 P-Value:0.984

HBv2-Controls



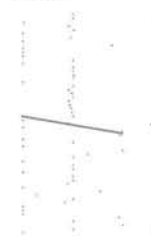
GG (29) GA (21) AA (10)
 Corr: 0.173 R2: 0.03
 Z-Score:1.307 P-Value:0.191

HBv2-ColiacDisease



GG (41) GA (57) AA (13)
 Corr: 0.199 R2: 0.04
 Z-Score:2.091 P-Value:0.037

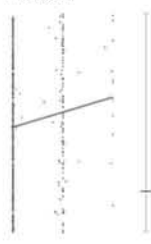
HBv2-ALS



GG (20) GA (32) AA (7)
 Corr: 0.064 R2: 0.007
 Z-Score:0.636 P-Value:0.525

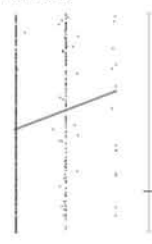
SNP rs12474009 (chr. 2, 141437612 bp)
 Probe 5490717 (chr. 9, 139442152 - 139453200 bp), NOXA1/ENTPD8
 P-Value 3.3E-8

HT12-Controls



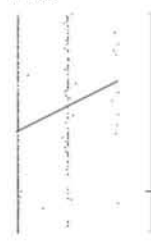
AA (296) AT (106) TT (12)
 Corr: 0.124 R2: 0.015
 Z-Score:2.534 P-Value:0.012

HT12-COPD



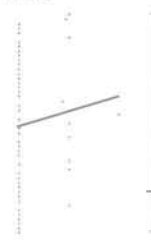
AA (308) AT (130) TT (15)
 Corr: 0.164 R2: 0.027
 Z-Score:3.509 P-Value:4.9E-4

HT12-ALS



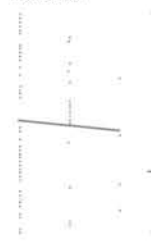
AA (228) AT (86) TT (10)
 Corr: 0.207 R2: 0.043
 Z-Score:3.744 P-Value:1.81E-4

HT12-UC



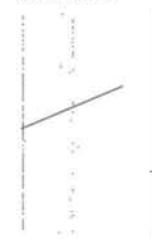
AA (39) AT (9) TT (1)
 Corr: 0.107 R2: 0.012
 Z-Score:0.734 P-Value:0.463

HBv2-Controls



AA (89) AT (16) TT (4)
 Corr: 0.047 R2: 0.002
 Z-Score:0.355 P-Value:0.722

HBv2-ColiacDisease



AA (80) AT (31) TT (8)
 Corr: 0.145 R2: 0.021
 Z-Score:1.514 P-Value:0.13

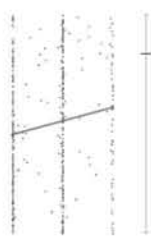
HBv2-ALS



AA (32) AT (24) TT (8)
 Corr: 0.003 R2: 0
 Z-Score:0.023 P-Value:0.981

SNP rs1117139 (chr. 3, 159896597 bp), RARRES1
 Probe 2340681 (chr. 3, 159896597 - 159933969 bp), RARRES1
 P-Value 2.99E-8

HT12-Controls



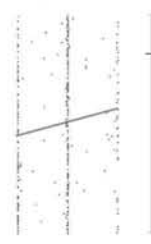
TT (158) TC (196) CC (60)
 Corr: 0.144 R2: 0.021
 Z-Score:2.936 P-Value:0.003

HT12-COPD



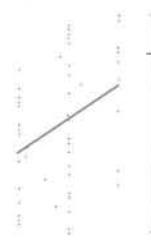
TT (153) TC (225) CC (75)
 Corr: 0.148 R2: 0.021
 Z-Score:3.12 P-Value:0.002

HT12-ALS



TT (102) TC (174) CC (48)
 Corr: 0.138 R2: 0.019
 Z-Score:2.489 P-Value:0.013

HT12-UC



TT (18) TC (24) CC (9)
 Corr: 0.361 R2: 0.13
 Z-Score:2.546 P-Value:0.011

HBv2-Controls



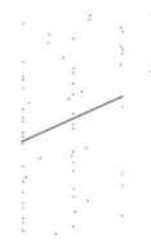
TT (22) TC (32) CC (5)
 Corr: 0.108 R2: 0.012
 Z-Score:0.817 P-Value:0.414

HBv2-ColiacDisease



TT (33) TC (59) CC (19)
 Corr: 0.026 R2: 0.001
 Z-Score:0.273 P-Value:0.785

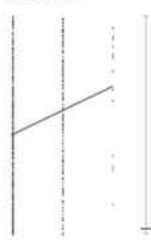
HBv2-ALS



TT (24) TC (25) CC (10)
 Corr: 0.25 R2: 0.063
 Z-Score:1.912 P-Value:0.056

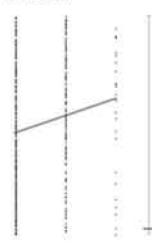
SNP rs1900493 (chr. 6, 32471193 bp)
 Probe 2940424 (chr. 7, 36518135 - 36731595 bp), AOH1
 P-Value 2.89E-8

HT12-Controls



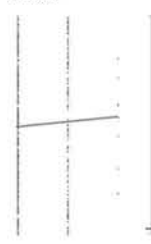
TT (164) TC (135) CC (15)
 Corr: 0.211 R2: 0.044
 Z-Score:4.323 P-Value:1.54E-5

HT12-COPD



TT (277) TC (150) CC (26)
 Corr: 0.182 R2: 0.026
 Z-Score:3.454 P-Value:5.53E-4

HT12-ALS



TT (113) TC (103) CC (8)
 Corr: 0.044 R2: 0.002
 Z-Score:0.788 P-Value:0.431

HT12-UC



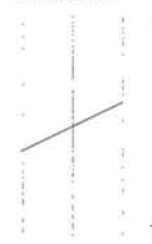
TT (34) TC (14) CC (1)
 Corr: 0.206 R2: 0.043
 Z-Score:1.422 P-Value:0.155

HBv2-Controls



TT (30) TC (27) CC (2)
 Corr: 0.019 R2: 0
 Z-Score:-0.146 P-Value:0.894

HBv2-ColiacDisease



TT (19) TC (68) CC (24)
 Corr: 0.235 R2: 0.055
 Z-Score:2.479 P-Value:0.013

HBv2-ALS



TT (38) TC (20) CC (1)
 Corr: 0.029 R2: 0.001
 Z-Score:0.217 P-Value:0.828

SNP rs250919 (chr. 6, 30133482 bp)
 Probe 5080576 (chr. 4, 52917852 - 55002636 bp), KIT
 P-Value 2.96E-8

HT12-Controls



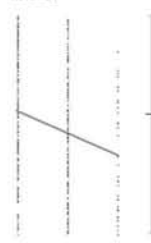
GG (166) GA (192) AA (55)
 Corr: 0.196 R2: 0.038
 Z-Score:4.009 P-Value:6.09E-5

HT12-COPD



GG (189) GA (192) AA (72)
 Corr: 0.053 R2: 0.003
 Z-Score:1.12 P-Value:0.263

HT12-ALS



GG (145) GA (143) AA (38)
 Corr: 0.232 R2: 0.054
 Z-Score:4.214 P-Value:2.51E-5

HT12-UC



GG (27) GA (20) AA (2)
 Corr: 0.298 R2: 0.089
 Z-Score:2.081 P-Value:0.037

HBv2-Controls

eQTL not available
 Probe not present.

HBv2-ColiacDisease

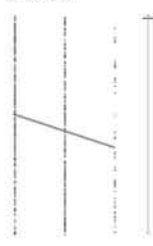
eQTL not available
 Probe not present.

HBv2-ALS

eQTL not available
 Probe not present.

SNP rs1701704 (chr. 12, 54698754 bp)
Probe 3310592 (chr. 7, 98917628 - 98936200 bp), ZNF789/ZNF384
P-Value 2.59E-8

HT12-Controls



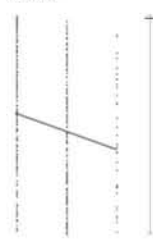
TT (193) TG (178) GG (43)
Corr: -0.17 R2: 0.029
Z-Score: 3.474 P-Value: 1.13E-4

HT12-COPD



TT (190) TG (200) GG (51)
Corr: -0.12 R2: 0.014
Z-Score: 2.56 P-Value: 0.01

HT12-ALS



TT (145) TG (146) GG (35)
Corr: -0.186 R2: 0.035
Z-Score: 3.36 P-Value: 7.79E-4

HT12-UC



TT (22) TG (18) GG (9)
Corr: 0.217 R2: 0.047
Z-Score: 1.501 P-Value: 0.133

HbV2-Controls

eQTL not available
Probe not present.

HbV2-CeliacDisease

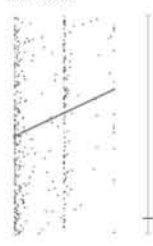
eQTL not available
Probe not present.

HbV2-ALS

eQTL not available
Probe not present.

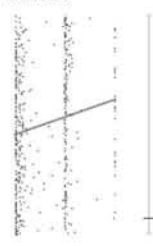
SNP rs11622954 (chr. 11, 182856 bp)
Probe 630470 (chr. 19, 43485644 - 43488486 bp), C19orf33
P-Value 2.59E-8

HT12-Controls



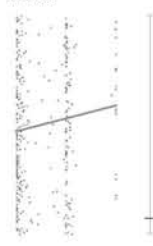
GG (248) GA (143) AA (20)
Corr: 0.203 R2: 0.041
Z-Score: 4.164 P-Value: 3.13E-5

HT12-COPD



GG (281) GA (185) AA (27)
Corr: 0.157 R2: 0.025
Z-Score: 3.348 P-Value: 8.13E-4

HT12-ALS



GG (190) GA (116) AA (18)
Corr: 0.119 R2: 0.014
Z-Score: 2.147 P-Value: 0.032

HT12-UC



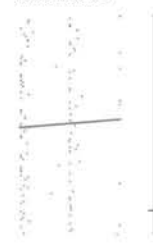
GG (31) GA (15) AA (3)
Corr: 0.201 R2: 0.04
Z-Score: 1.362 P-Value: 0.167

HbV2-Controls



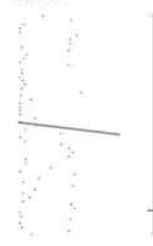
GG (26) GA (29) AA (4)
Corr: 0.129 R2: 0.017
Z-Score: 0.976 P-Value: 0.329

HbV2-CeliacDisease



GG (56) GA (47) AA (8)
Corr: 0.037 R2: 0.001
Z-Score: 0.38 P-Value: 0.704

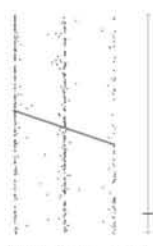
HbV2-ALS



GG (40) GA (19) AA (0)
Corr: 0.041 R2: 0.002
Z-Score: 0.307 P-Value: 0.759

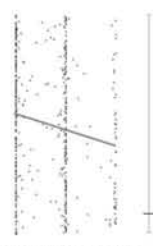
SNP rs12485738 (chr. 3, 56840616 bp)
Probe 1740456 (chr. 7, 30140077 - 30169906 bp), C7orf41
P-Value 2.41E-8

HT12-Controls



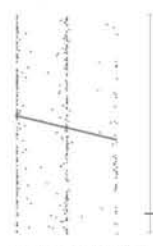
GG (153) GA (194) AA (67)
Corr: -0.181 R2: 0.033
Z-Score: 3.697 P-Value: 2.19E-4

HT12-COPD



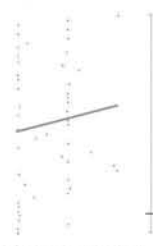
GG (202) GA (200) AA (51)
Corr: -0.164 R2: 0.027
Z-Score: 3.495 P-Value: 4.74E-4

HT12-ALS



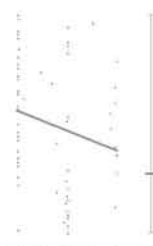
GG (132) GA (148) AA (44)
Corr: -0.125 R2: 0.016
Z-Score: 2.257 P-Value: 0.024

HT12-UC



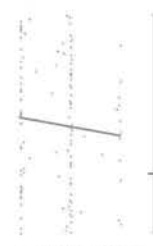
GG (24) GA (22) AA (3)
Corr: 0.119 R2: 0.014
Z-Score: 0.814 P-Value: 0.416

HbV2-Controls



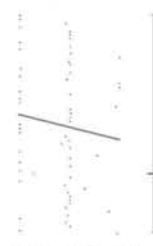
GG (28) GA (21) AA (10)
Corr: -0.217 R2: 0.047
Z-Score: 1.648 P-Value: 0.099

HbV2-CeliacDisease



GG (41) GA (57) AA (13)
Corr: -0.088 R2: 0.008
Z-Score: 0.919 P-Value: 0.358

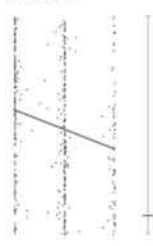
HbV2-ALS



GG (20) GA (32) AA (7)
Corr: -0.117 R2: 0.014
Z-Score: 0.882 P-Value: 0.378

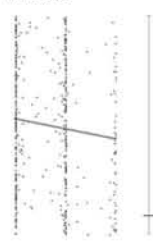
SNP rs12485738 (chr. 3, 56840616 bp)
Probe 20075 (chr. 3, 49030497 - 49034303 bp), DALRD3/hsa-miR/C3orf80
P-Value 2.26E-8

HT12-Controls



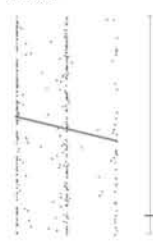
GG (153) GA (194) AA (67)
Corr: -0.212 R2: 0.045
Z-Score: 4.342 P-Value: 1.41E-5

HT12-COPD



GG (202) GA (200) AA (51)
Corr: -0.107 R2: 0.012
Z-Score: 2.286 P-Value: 0.022

HT12-ALS



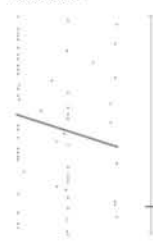
GG (132) GA (148) AA (44)
Corr: -0.13 R2: 0.017
Z-Score: 2.335 P-Value: 0.02

HT12-UC



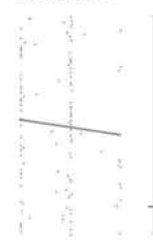
GG (24) GA (22) AA (3)
Corr: 0.124 R2: 0.015
Z-Score: 0.849 P-Value: 0.396

HbV2-Controls



GG (28) GA (21) AA (10)
Corr: -0.179 R2: 0.032
Z-Score: 1.353 P-Value: 0.176

HbV2-CeliacDisease



GG (41) GA (57) AA (13)
Corr: -0.077 R2: 0.006
Z-Score: 0.8 P-Value: 0.424

HbV2-ALS



GG (20) GA (32) AA (7)
Corr: -0.371 R2: 0.138
Z-Score: 2.895 P-Value: 0.004

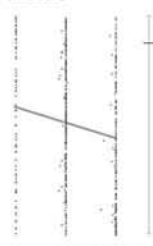
SNP rs12718587 (chr. 7, 50325922 bp)
Probe 7610615 (chr. 16, 33040034 - 33250316 bp), SLCO6A1P/WAC1335614
P-Value 2.08E-8

HT12-Controls



AA (94) AC (197) CC (153)
Corr: -0.177 R2: 0.031
Z-Score: 3.628 P-Value: 2.86E-4

HT12-COPD



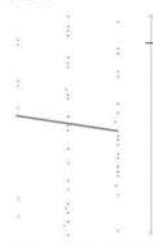
AA (68) AC (226) CC (159)
Corr: -0.165 R2: 0.027
Z-Score: 3.522 P-Value: 4.28E-4

HT12-ALS



AA (56) AC (193) CC (105)
Corr: -0.154 R2: 0.024
Z-Score: 2.776 P-Value: 0.005

HT12-UC



AA (7) AC (23) CC (19)
Corr: -0.078 R2: 0.006
Z-Score: 0.53 P-Value: 0.596

HbV2-Controls



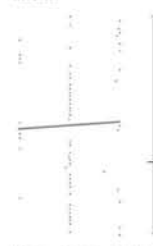
AA (11) AC (23) CC (25)
Corr: -0.121 R2: 0.015
Z-Score: 0.911 P-Value: 0.362

HbV2-CeliacDisease



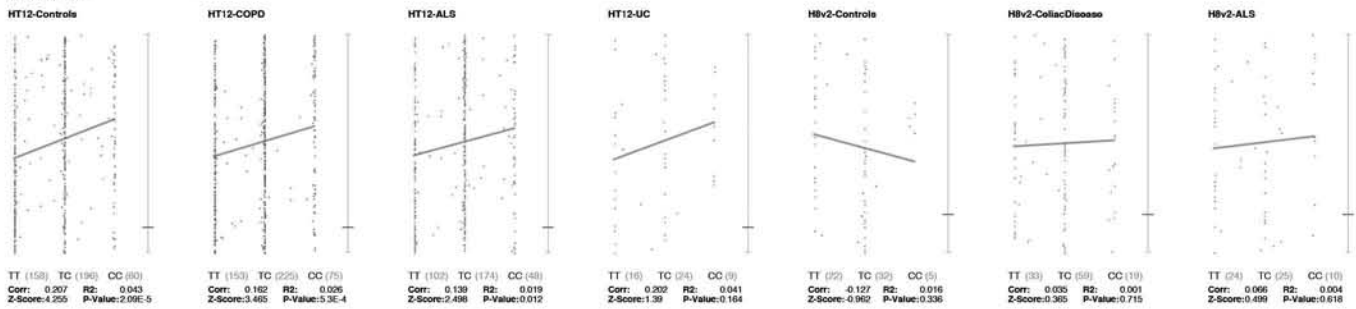
AA (11) AC (53) CC (47)
Corr: -0.067 R2: 0.004
Z-Score: 0.694 P-Value: 0.488

HbV2-ALS

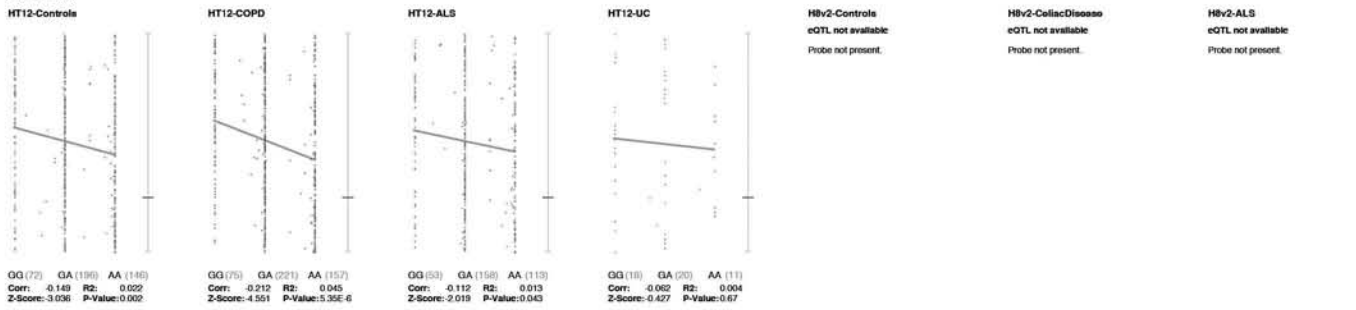


AA (9) AC (35) CC (15)
Corr: 0.034 R2: 0.001
Z-Score: 0.252 P-Value: 0.801

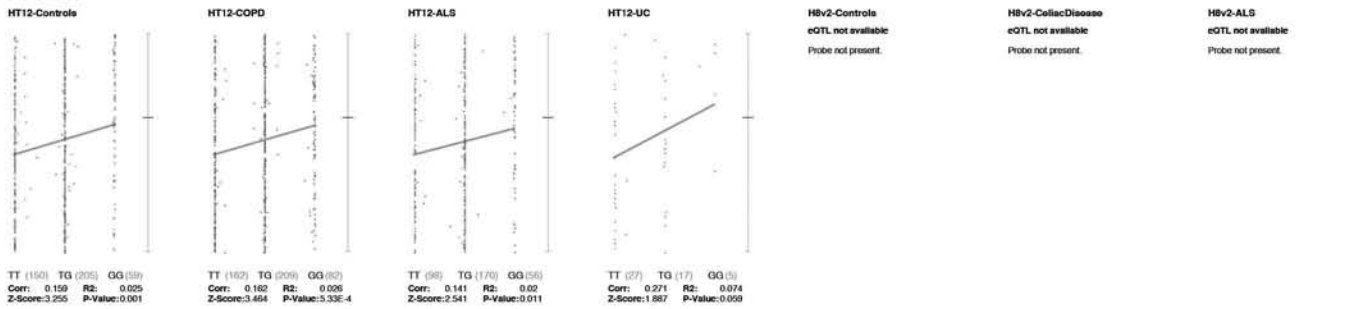
SNP rs1117139 (chr. 6, 54756892 bp)
 Probe 3370349 (chr. 6, 32020406 - 32028840 bp), CF8
 P-Value 1.99E-8



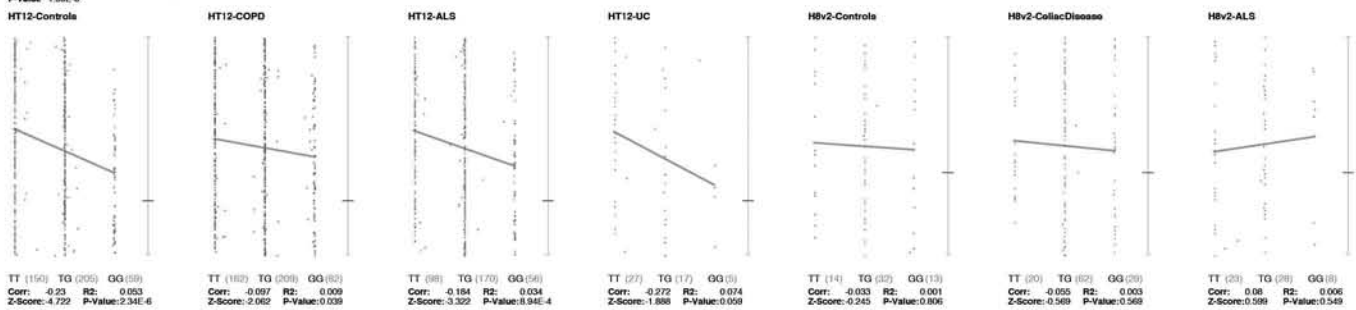
SNP rs2523393 (chr. 6, 29813638 bp)
 Probe 3900392 (chr. 8, 14513214 - 145140571 bp), GRNA
 P-Value 1.9E-8



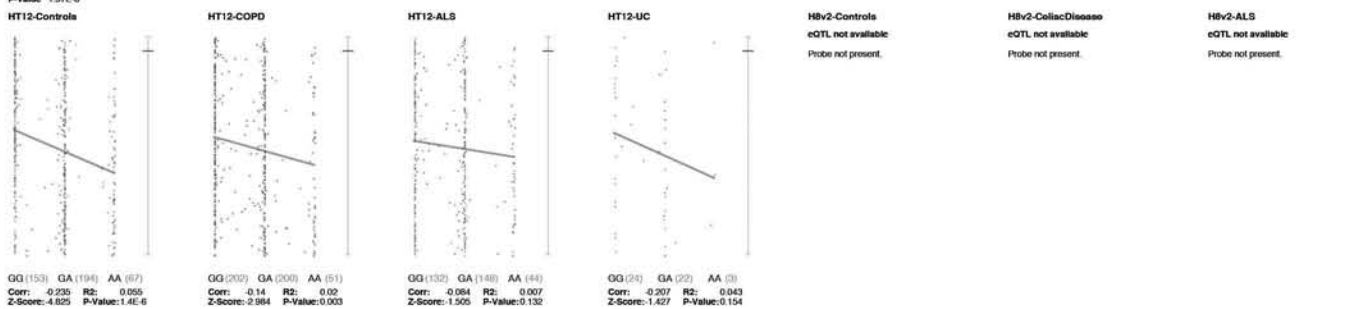
SNP rs2517713 (chr. 6, 30026078 bp)
 Probe 7000274 (chr. 9, 118691171 - 118694970 bp), RPL10P3/SNOHA70/IASTN2
 P-Value 1.68E-8



SNP rs2517713 (chr. 6, 30026078 bp)
 Probe 7360725 (chr. 17, 70824752 - 70914385 bp), GBR2
 P-Value 1.59E-8

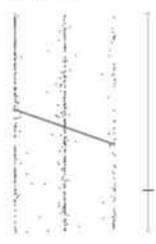


SNP rs1285738 (chr. 3, 56840816 bp)
 Probe 5560246 (chr. 15, 61120991 - 61152164 bp), TPM1
 P-Value 1.57E-8



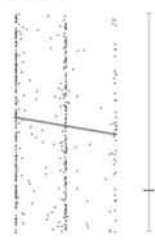
SNP rs12485738 (chr. 3, 56840616 bp)
Probe 2230241 (chr. 6, 6088310 - 6266923 bp), F13A1
P-Value: 1.56E-8

HT12-Controls



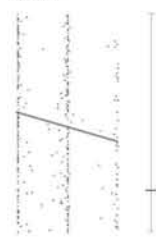
GG (153) GA (194) AA (67)
Corr: -0.193 R2: 0.037
Z-Score: -3.947 P-Value: 7.9E-5

HT12-COPD



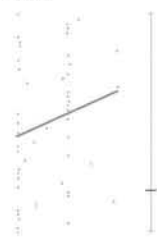
GG (202) GA (200) AA (51)
Corr: -0.09 R2: 0.008
Z-Score: -1.91 P-Value: 0.056

HT12-ALS



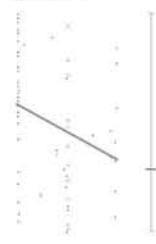
GG (132) GA (148) AA (44)
Corr: -0.147 R2: 0.022
Z-Score: -2.659 P-Value: 0.008

HT12-UC



GG (24) GA (22) AA (3)
Corr: 0.206 R2: 0.043
Z-Score: 1.430 P-Value: 0.151

HBv2-Controls



GG (28) GA (21) AA (10)
Corr: -0.305 R2: 0.093
Z-Score: -2.346 P-Value: 0.019

HBv2-ColiacDisease



GG (41) GA (57) AA (13)
Corr: -0.244 R2: 0.059
Z-Score: -2.578 P-Value: 0.01

HBv2-ALS



GG (20) GA (32) AA (7)
Corr: -0.217 R2: 0.047
Z-Score: -1.649 P-Value: 0.099

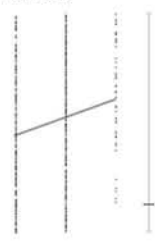
SNP rs4917014 (chr. 7, 50276409 bp)
Probe 780215 (chr. 17, 6917581 - 6925324 bp), CLEC10A
P-Value: 1.51E-8

HT12-Controls



TT (107) TG (168) GG (49)
Corr: 0.115 R2: 0.013
Z-Score: 2.341 P-Value: 0.019

HT12-COPD



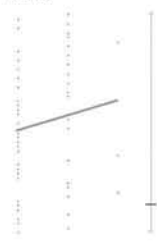
TT (185) TG (222) GG (46)
Corr: 0.182 R2: 0.033
Z-Score: 3.894 P-Value: 9.87E-5

HT12-ALS



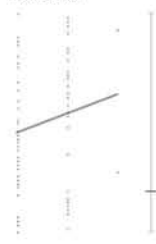
TT (142) TG (158) GG (27)
Corr: 0.092 R2: 0.008
Z-Score: 1.646 P-Value: 0.1

HT12-UC



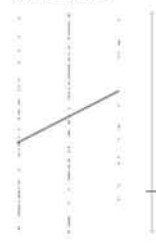
TT (27) TG (110) GG (3)
Corr: 0.144 R2: 0.021
Z-Score: 0.989 P-Value: 0.323

HBv2-Controls



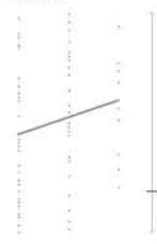
TT (32) TG (25) GG (2)
Corr: 0.166 R2: 0.028
Z-Score: 1.256 P-Value: 0.209

HBv2-ColiacDisease



TT (39) TG (58) GG (14)
Corr: 0.26 R2: 0.068
Z-Score: 2.76 P-Value: 0.006

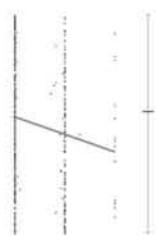
HBv2-ALS



TT (27) TG (33) GG (9)
Corr: 0.19 R2: 0.036
Z-Score: 1.438 P-Value: 0.15

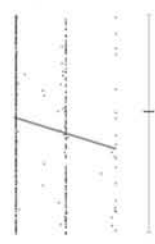
SNP rs131794 (chr. 22, 48310618 bp)
Probe 5940673 (chr. 16, 2957408 - 2957567 bp), KREMEN2
P-Value: 1.48E-8

HT12-Controls



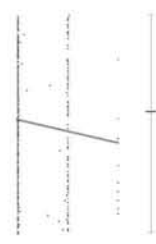
CC (259) CA (142) AA (13)
Corr: -0.152 R2: 0.023
Z-Score: -3.109 P-Value: 0.002

HT12-COPD



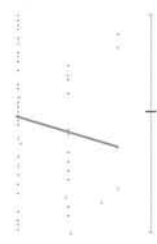
CC (282) CA (148) AA (22)
Corr: -0.141 R2: 0.02
Z-Score: -3.012 P-Value: 0.003

HT12-ALS



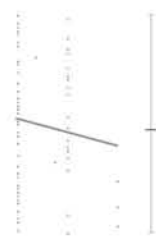
CC (220) CA (94) AA (10)
Corr: -0.097 R2: 0.009
Z-Score: -1.738 P-Value: 0.082

HT12-UC



CC (30) CA (14) AA (5)
Corr: -0.153 R2: 0.023
Z-Score: -1.048 P-Value: 0.295

HBv2-Controls



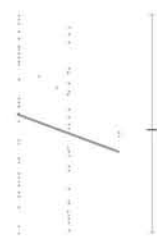
CC (37) CA (19) AA (3)
Corr: -0.122 R2: 0.015
Z-Score: -0.92 P-Value: 0.358

HBv2-ColiacDisease



CC (69) CA (36) AA (6)
Corr: -0.309 R2: 0.095
Z-Score: -3.297 P-Value: 9.79E-4

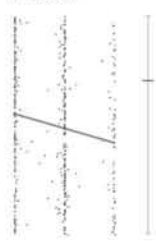
HBv2-ALS



CC (31) CA (26) AA (2)
Corr: -0.163 R2: 0.027
Z-Score: -1.233 P-Value: 0.218

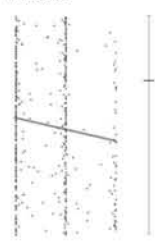
SNP rs12485738 (chr. 3, 56840616 bp)
Probe 3630327 (chr. 3, 12888901 - 129041709 bp), MGLL
P-Value: 1.45E-8

HT12-Controls



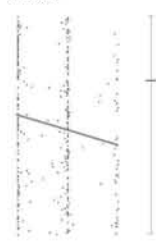
GG (153) GA (194) AA (67)
Corr: -0.158 R2: 0.025
Z-Score: -3.216 P-Value: 0.001

HT12-COPD



GG (202) GA (200) AA (51)
Corr: -0.119 R2: 0.014
Z-Score: -2.536 P-Value: 0.011

HT12-ALS



GG (132) GA (148) AA (44)
Corr: -0.155 R2: 0.024
Z-Score: -2.794 P-Value: 0.005

HT12-UC



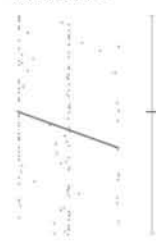
GG (24) GA (22) AA (3)
Corr: 0.01 R2: 0
Z-Score: 0.071 P-Value: 0.944

HBv2-Controls



GG (28) GA (21) AA (10)
Corr: -0.293 R2: 0.086
Z-Score: -2.252 P-Value: 0.024

HBv2-ColiacDisease



GG (41) GA (57) AA (13)
Corr: -0.176 R2: 0.031
Z-Score: -1.843 P-Value: 0.065

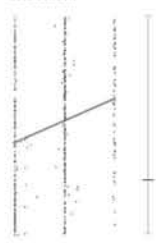
HBv2-ALS



GG (20) GA (32) AA (7)
Corr: -0.189 R2: 0.036
Z-Score: -1.432 P-Value: 0.152

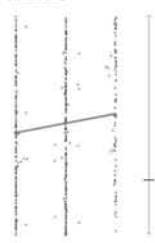
SNP rs2517713 (chr. 6, 30026078 bp)
Probe 5390608 (chr. 17, 35313374 - 35329429 bp), GSDMB
P-Value: 1.4E-8

HT12-Controls



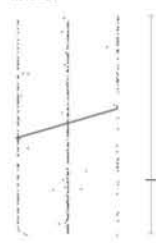
TT (150) TG (205) GG (59)
Corr: 0.231 R2: 0.053
Z-Score: 4.75 P-Value: 2.04E-6

HT12-COPD



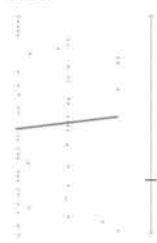
TT (182) TG (209) GG (82)
Corr: 0.108 R2: 0.012
Z-Score: 2.299 P-Value: 0.021

HT12-ALS



TT (98) TG (170) GG (56)
Corr: 0.158 R2: 0.025
Z-Score: 2.948 P-Value: 0.004

HT12-UC



TT (27) TG (17) GG (5)
Corr: 0.06 R2: 0.004
Z-Score: 0.408 P-Value: 0.683

HBv2-Controls

eQTL not available
Probe not present.

HBv2-ColiacDisease

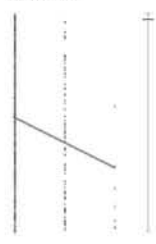
eQTL not available
Probe not present.

HBv2-ALS

eQTL not available
Probe not present.

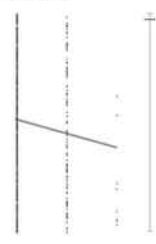
SNP rs4324798 (chr. 6, 28984096 bp)
Probe IS30347 (chr. 22, 40348241 - 40399980 bp), XRCC6
P-Value: 1.43E-8

HT12-Controls



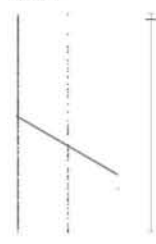
GG (324) GA (83) AA (7)
Corr: -0.185 R2: 0.034
Z-Score: -3.788 P-Value: 1.52E-4

HT12-COPD



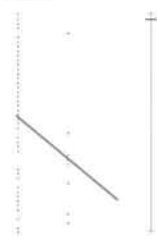
GG (348) GA (97) AA (8)
Corr: -0.105 R2: 0.011
Z-Score: -2.238 P-Value: 0.025

HT12-ALS



GG (253) GA (70) AA (1)
Corr: -0.195 R2: 0.038
Z-Score: -3.537 P-Value: 4.04E-4

HT12-UC



GG (41) GA (8) AA (9)
Corr: -0.238 R2: 0.057
Z-Score: -1.648 P-Value: 0.099

HBv2-Controls

eQTL not available
Probe not present.

HBv2-CeliacDisease

eQTL not available
Probe not present.

HBv2-ALS

eQTL not available
Probe not present.

SNP rs9268877 (chr. 6, 32539125 bp)
Probe 2940424 (chr. 7, 36518135 - 36731959 bp), AOH1
P-Value: 1.36E-8

HT12-Controls



AA (81) AG (212) GG (141)
Corr: -0.15 R2: 0.023
Z-Score: -3.058 P-Value: 0.002

HT12-COPD



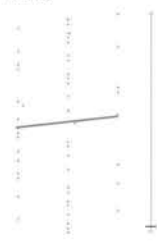
AA (91) AG (214) GG (148)
Corr: -0.172 R2: 0.03
Z-Score: -3.682 P-Value: 2.32E-4

HT12-ALS



AA (50) AG (179) GG (95)
Corr: -0.16 R2: 0.026
Z-Score: -2.888 P-Value: 0.004

HT12-UC



AA (16) AG (25) GG (9)
Corr: 0.055 R2: 0.003
Z-Score: 0.379 P-Value: 0.708

HBv2-Controls



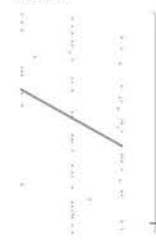
AA (13) AG (32) GG (14)
Corr: -0.237 R2: 0.056
Z-Score: -1.808 P-Value: 0.071

HBv2-CeliacDisease



AA (11) AG (42) GG (88)
Corr: 0.037 R2: 0.001
Z-Score: 0.391 P-Value: 0.696

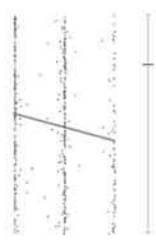
HBv2-ALS



AA (10) AG (28) GG (21)
Corr: -0.303 R2: 0.092
Z-Score: -2.333 P-Value: 0.02

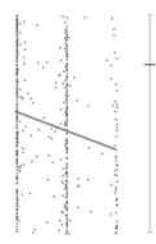
SNP rs12485738 (chr. 3, 56840616 bp)
Probe 1410010 (chr. 10, 96898324 - 97041771 bp), FOLM1
P-Value: 1.26E-8

HT12-Controls



GG (153) GA (194) AA (67)
Corr: -0.151 R2: 0.023
Z-Score: -3.075 P-Value: 0.002

HT12-COPD



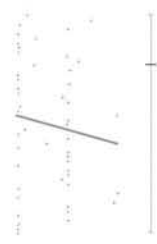
GG (202) GA (200) AA (51)
Corr: -0.196 R2: 0.038
Z-Score: -4.202 P-Value: 2.64E-5

HT12-ALS



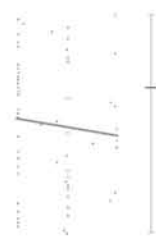
GG (132) GA (148) AA (44)
Corr: -0.105 R2: 0.011
Z-Score: -1.885 P-Value: 0.059

HT12-UC



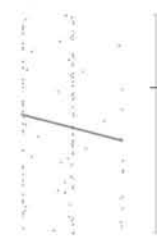
GG (24) GA (22) AA (3)
Corr: -0.126 R2: 0.016
Z-Score: -0.863 P-Value: 0.388

HBv2-Controls



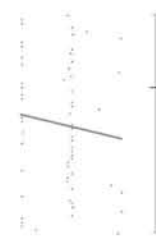
GG (28) GA (21) AA (10)
Corr: -0.092 R2: 0.008
Z-Score: -0.692 P-Value: 0.489

HBv2-CeliacDisease



GG (41) GA (57) AA (110)
Corr: -0.128 R2: 0.016
Z-Score: -1.335 P-Value: 0.182

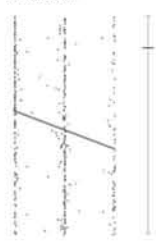
HBv2-ALS



GG (28) GA (32) AA (7)
Corr: -0.114 R2: 0.013
Z-Score: -0.861 P-Value: 0.389

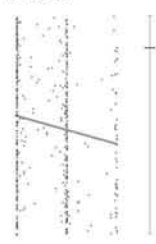
SNP rs12485738 (chr. 3, 56840616 bp)
Probe 6770543 (chr. 16, 4947319 - 5010157 bp), SEC14L5
P-Value: 1.19E-8

HT12-Controls



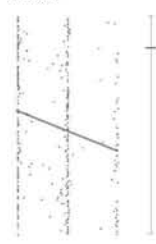
GG (153) GA (194) AA (67)
Corr: -0.207 R2: 0.043
Z-Score: -4.235 P-Value: 2.28E-5

HT12-COPD



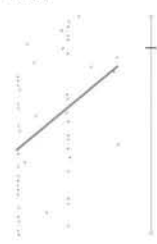
GG (202) GA (200) AA (51)
Corr: -0.146 R2: 0.021
Z-Score: -3.118 P-Value: 0.002

HT12-ALS



GG (132) GA (148) AA (44)
Corr: -0.206 R2: 0.042
Z-Score: -3.725 P-Value: 1.95E-4

HT12-UC



GG (24) GA (22) AA (3)
Corr: 0.385 R2: 0.148
Z-Score: 2.734 P-Value: 0.006

HBv2-Controls

eQTL not available
Probe not present.

HBv2-CeliacDisease

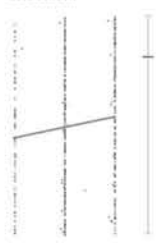
eQTL not available
Probe not present.

HBv2-ALS

eQTL not available
Probe not present.

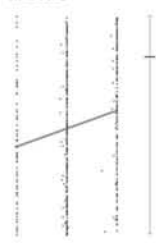
SNP rs12718387 (chr. 7, 50325922 bp)
Probe 7200379 (chr. 12, 6748802 - 6751379 bp), PTMS
P-Value: 1.12E-8

HT12-Controls



AA (94) AC (197) CC (153)
Corr: 0.111 R2: 0.012
Z-Score: 2.264 P-Value: 0.024

HT12-COPD



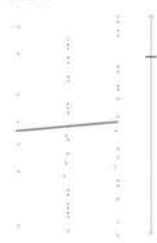
AA (88) AC (226) CC (159)
Corr: 0.197 R2: 0.039
Z-Score: 4.232 P-Value: 2.32E-5

HT12-ALS



AA (56) AC (163) CC (105)
Corr: 0.104 R2: 0.011
Z-Score: 1.864 P-Value: 0.062

HT12-UC



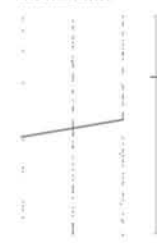
AA (7) AC (23) CC (119)
Corr: 0.048 R2: 0.002
Z-Score: 0.316 P-Value: 0.752

HBv2-Controls



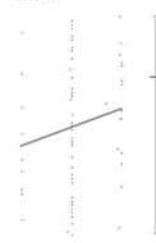
AA (11) AC (23) CC (25)
Corr: 0.444 R2: 0.197
Z-Score: 3.525 P-Value: 4.24E-4

HBv2-CeliacDisease



AA (11) AC (53) CC (47)
Corr: 0.088 R2: 0.008
Z-Score: 0.919 P-Value: 0.358

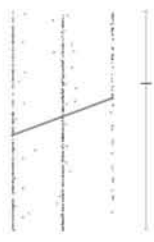
HBv2-ALS



AA (9) AC (95) CC (15)
Corr: 0.18 R2: 0.032
Z-Score: 1.363 P-Value: 0.173

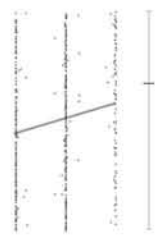
SNP rs2517713 (chr. 6, 30009078 bp)
Probe 7150170 (chr. 6, 6840527 - 6844510 bp), AF203439.5/DEF11P/WF238378.A/DEF43
P-Value 1.09E-8

HT12-Controls



TT (150) TG (205) GG (58)
Corr: 0.197 R2: 0.039
Z-Score:4.029 P-Value:5.8E-5

HT12-COPD



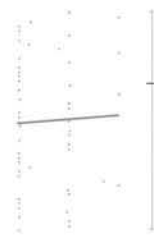
TT (102) TG (209) GG (82)
Corr: 0.166 R2: 0.026
Z-Score:3.556 P-Value:3.77E-4

HT12-ALS



TT (96) TG (170) GG (56)
Corr: 0.129 R2: 0.017
Z-Score:2.327 P-Value:0.02

HT12-UC



TT (27) TG (17) GG (5)
Corr: 0.039 R2: 0.002
Z-Score:0.264 P-Value:0.791

HBv2-Controls

eQTL not available
Probe not present.

HBv2-ColicDisease

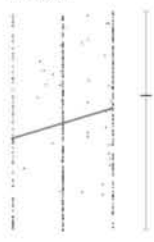
eQTL not available
Probe not present.

HBv2-ALS

eQTL not available
Probe not present.

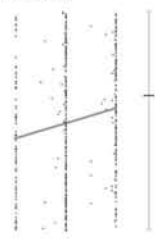
SNP rs2523393 (chr. 6, 29613638 bp)
Probe 7000274 (chr. 9, 118991711 - 118994970 bp), RPL10P3/MSNOHA/D/MSW129
P-Value 1.1E-8

HT12-Controls



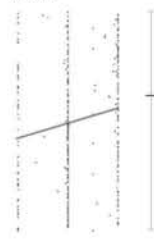
GG (72) GA (190) AA (140)
Corr: 0.164 R2: 0.027
Z-Score:3.349 P-Value:5.12E-4

HT12-COPD



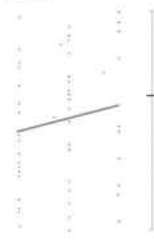
GG (75) GA (221) AA (157)
Corr: 0.161 R2: 0.026
Z-Score:3.433 P-Value:5.98E-4

HT12-ALS



GG (83) GA (158) AA (113)
Corr: 0.162 R2: 0.026
Z-Score:2.918 P-Value:0.004

HT12-UC



GG (18) GA (20) AA (11)
Corr: 0.151 R2: 0.023
Z-Score:1.026 P-Value:0.3

HBv2-Controls

eQTL not available
Probe not present.

HBv2-ColicDisease

eQTL not available
Probe not present.

HBv2-ALS

eQTL not available
Probe not present.

SNP rs2944479 (chr. 6, 31690035 bp)
Probe 1110300 (chr. 4, 193769727 - 193821641 bp), TMEM154
P-Value 1.09E-8

HT12-Controls



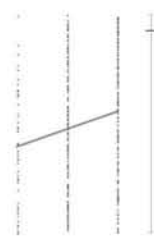
CC (42) CA (175) AA (197)
Corr: 0.215 R2: 0.046
Z-Score:4.405 P-Value:1.06E-5

HT12-COPD



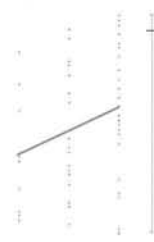
CC (39) CA (203) AA (211)
Corr: 0.078 R2: 0.006
Z-Score:1.625 P-Value:0.104

HT12-ALS



CC (48) CA (139) AA (137)
Corr: 0.195 R2: 0.038
Z-Score:3.53 P-Value:4.19E-4

HT12-UC



CC (9) CA (17) AA (25)
Corr: 0.279 R2: 0.078
Z-Score:1.939 P-Value:0.052

HBv2-Controls

eQTL not available
Probe not present.

HBv2-ColicDisease

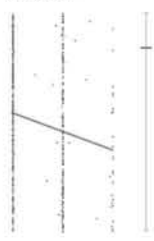
eQTL not available
Probe not present.

HBv2-ALS

eQTL not available
Probe not present.

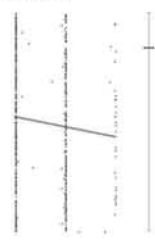
SNP rs9420986 (chr. 6, 135469510 bp)
Probe 6960615 (chr. 16, 1932977 - 1945672 bp), RPL3L
P-Value 1.09E-8

HT12-Controls



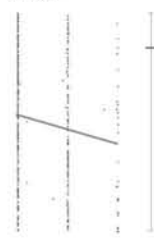
GG (218) GA (180) AA (27)
Corr: -0.179 R2: 0.032
Z-Score:3.664 P-Value:2.48E-4

HT12-COPD



GG (235) GA (188) AA (30)
Corr: -0.095 R2: 0.009
Z-Score:2.012 P-Value:0.044

HT12-ALS



GG (179) GA (117) AA (28)
Corr: -0.151 R2: 0.023
Z-Score:2.715 P-Value:0.007

HT12-UC



GG (24) GA (22) AA (3)
Corr: -0.279 R2: 0.078
Z-Score:1.938 P-Value:0.053

HBv2-Controls



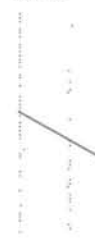
GG (30) GA (23) AA (6)
Corr: -0.118 R2: 0.014
Z-Score:0.893 P-Value:0.372

HBv2-ColicDisease



GG (62) GA (40) AA (9)
Corr: -0.172 R2: 0.029
Z-Score:1.801 P-Value:0.072

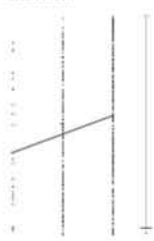
HBv2-ALS



GG (38) GA (20) AA (1)
Corr: -0.225 R2: 0.051
Z-Score:1.713 P-Value:0.087

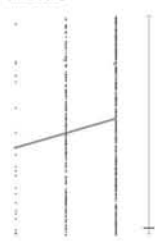
SNP rs1726785 (chr. 16, 67148731 bp)
Probe 7650747 (chr. 1, 159693573 - 159695545 bp), ARHGAP30
P-Value 1E-8

HT12-Controls



AA (24) AC (154) CC (230)
Corr: 0.177 R2: 0.031
Z-Score:3.626 P-Value:2.88E-4

HT12-COPD



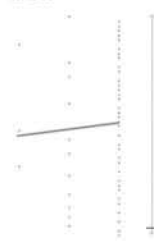
AA (20) AC (187) CC (286)
Corr: 0.135 R2: 0.018
Z-Score:2.886 P-Value:0.004

HT12-ALS



AA (12) AC (130) CC (182)
Corr: 0.127 R2: 0.016
Z-Score:2.294 P-Value:0.022

HT12-UC



AA (8) AC (11) CC (35)
Corr: 0.061 R2: 0.004
Z-Score:0.417 P-Value:0.677

HBv2-Controls



AA (2) AC (24) CC (33)
Corr: 0.118 R2: 0.014
Z-Score:0.893 P-Value:0.372

HBv2-ColicDisease



AA (8) AC (40) CC (83)
Corr: 0.233 R2: 0.054
Z-Score:2.46 P-Value:0.014

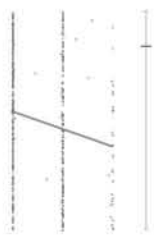
HBv2-ALS



AA (2) AC (18) CC (38)
Corr: 0.136 R2: 0.019
Z-Score:1.628 P-Value:0.304

SNP rs495441 (chr. 6, 13546266 bp)
Probe 8960615 (chr. 16, 1932977 - 1945672 bp), RPL3L
P-Value 9.91E-9

HT12-Controls



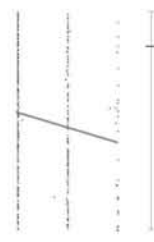
AA (217) AG (167) GG (30)
Corr: -0.174 R2: 0.03
Z-Score: -3.583 P-Value: 3.67E-4

HT12-COPD



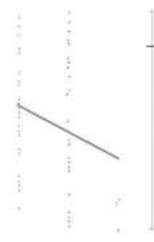
AA (295) AG (187) GG (31)
Corr: -0.1 R2: 0.01
Z-Score: -2.129 P-Value: 0.033

HT12-ALS



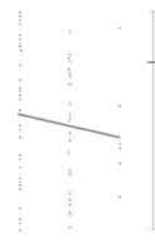
AA (178) AG (118) GG (28)
Corr: -0.154 R2: 0.024
Z-Score: -2.789 P-Value: 0.006

HT12-UC



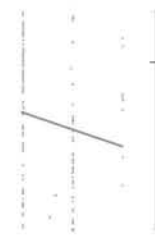
AA (22) AG (23) GG (3)
Corr: -0.249 R2: 0.062
Z-Score: -1.725 P-Value: 0.084

HBv2-Controls



AA (20) AG (23) GG (6)
Corr: -0.119 R2: 0.014
Z-Score: -0.9 P-Value: 0.368

HBv2-ColicDisease



AA (62) AG (40) GG (9)
Corr: -0.173 R2: 0.03
Z-Score: -1.817 P-Value: 0.069

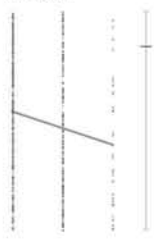
HBv2-ALS



AA (37) AG (21) GG (11)
Corr: -0.238 R2: 0.057
Z-Score: -1.817 P-Value: 0.069

SNP rs9376092 (chr. 6, 13546937 bp)
Probe 8960615 (chr. 16, 1932977 - 1945672 bp), RPL3L
P-Value 9.94E-9

HT12-Controls



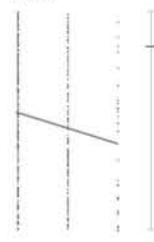
CC (218) CA (167) AA (31)
Corr: -0.185 R2: 0.027
Z-Score: -3.385 P-Value: 7.88E-4

HT12-COPD



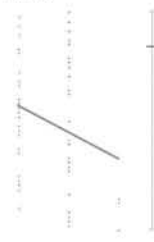
CC (230) CA (188) AA (31)
Corr: -0.104 R2: 0.011
Z-Score: -2.206 P-Value: 0.027

HT12-ALS



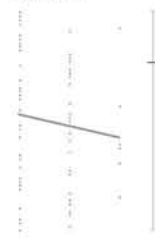
CC (178) CA (118) AA (28)
Corr: -0.155 R2: 0.024
Z-Score: -2.791 P-Value: 0.006

HT12-UC



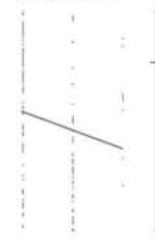
CC (23) CA (23) AA (3)
Corr: -0.249 R2: 0.062
Z-Score: -1.724 P-Value: 0.085

HBv2-Controls



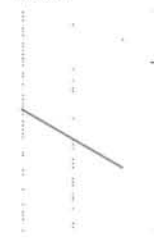
CC (30) CA (23) AA (6)
Corr: -0.119 R2: 0.014
Z-Score: -0.901 P-Value: 0.368

HBv2-ColicDisease



CC (62) CA (40) AA (9)
Corr: -0.188 R2: 0.035
Z-Score: -1.817 P-Value: 0.049

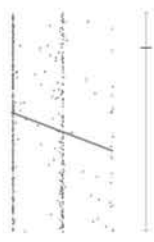
HBv2-ALS



CC (37) CA (21) AA (11)
Corr: -0.237 R2: 0.056
Z-Score: -1.805 P-Value: 0.071

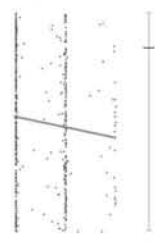
SNP rs9373124 (chr. 6, 13546492 bp)
Probe 8960615 (chr. 16, 1932977 - 1945672 bp), RPL3L
P-Value 9.56E-9

HT12-Controls



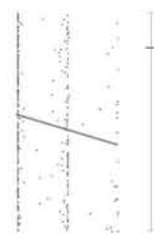
TT (220) TC (169) CC (25)
Corr: -0.179 R2: 0.032
Z-Score: -3.656 P-Value: 2.57E-4

HT12-COPD



TT (236) TC (188) CC (29)
Corr: -0.097 R2: 0.009
Z-Score: -2.056 P-Value: 0.04

HT12-ALS



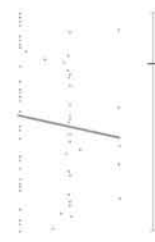
TT (182) TC (118) CC (28)
Corr: -0.149 R2: 0.022
Z-Score: -2.689 P-Value: 0.007

HT12-UC



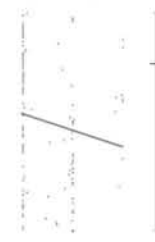
TT (24) TC (22) CC (3)
Corr: -0.317 R2: 0.101
Z-Score: -2.222 P-Value: 0.026

HBv2-Controls



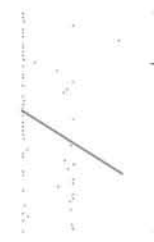
TT (30) TC (24) CC (5)
Corr: -0.11 R2: 0.012
Z-Score: -0.826 P-Value: 0.409

HBv2-ColicDisease



TT (63) TC (39) CC (9)
Corr: -0.158 R2: 0.025
Z-Score: -1.659 P-Value: 0.097

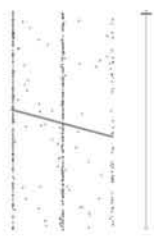
HBv2-ALS



TT (38) TC (20) CC (11)
Corr: -0.236 R2: 0.056
Z-Score: -1.798 P-Value: 0.072

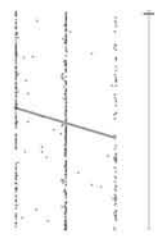
SNP rs11171739 (chr. 12, 54756892 bp)
Probe 3310592 (chr. 7, 98917628 - 98936260 bp), ZNF788/ZNF394
P-Value 9.22E-9

HT12-Controls



TT (158) TC (190) CC (60)
Corr: -0.144 R2: 0.021
Z-Score: -2.928 P-Value: 0.003

HT12-COPD



TT (153) TC (225) CC (75)
Corr: -0.159 R2: 0.025
Z-Score: -3.402 P-Value: 6.88E-4

HT12-ALS



TT (102) TC (174) CC (68)
Corr: -0.191 R2: 0.036
Z-Score: -3.454 P-Value: 5.53E-4

HT12-UC



TT (16) TC (24) CC (9)
Corr: -0.167 R2: 0.028
Z-Score: -1.149 P-Value: 0.25

HBv2-Controls

eQTL not available
Probe not present.

HBv2-ColicDisease

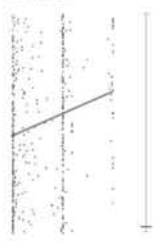
eQTL not available
Probe not present.

HBv2-ALS

eQTL not available
Probe not present.

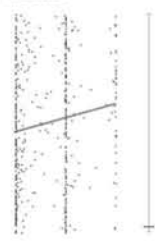
SNP rs602875 (chr. 6, 32081807 bp)
Probe 2640424 (chr. 7, 36518135 - 36731595 bp), AOH1
P-Value 8.85E-9

HT12-Controls



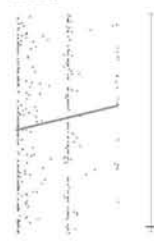
AA (221) AG (165) GG (28)
Corr: 0.208 R2: 0.043
Z-Score: 4.268 P-Value: 1.97E-5

HT12-COPD



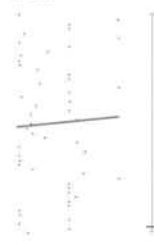
AA (228) AG (179) GG (48)
Corr: 0.144 R2: 0.021
Z-Score: 3.077 P-Value: 0.002

HT12-ALS



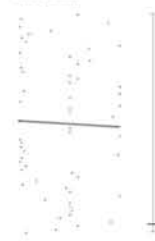
AA (183) AG (121) GG (20)
Corr: 0.112 R2: 0.013
Z-Score: 2.017 P-Value: 0.044

HT12-UC



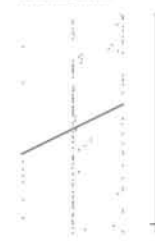
AA (23) AG (22) GG (4)
Corr: 0.048 R2: 0.002
Z-Score: 0.317 P-Value: 0.751

HBv2-Controls



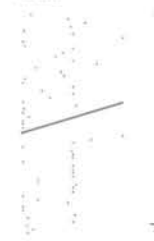
AA (25) AG (26) GG (10)
Corr: -0.028 R2: 0.001
Z-Score: -0.211 P-Value: 0.833

HBv2-ColicDisease



AA (8) AG (69) GG (34)
Corr: 0.217 R2: 0.047
Z-Score: 2.287 P-Value: 0.022

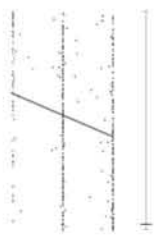
HBv2-ALS



AA (27) AG (30) GG (29)
Corr: 0.126 R2: 0.016
Z-Score: 0.949 P-Value: 0.343

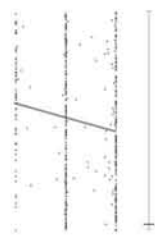
SNP rs615872 (chr. 6, 32682149 bp)
 Probe 2940424 (chr. 7, 36518133 - 36731593 bp), AOH1
 P-Value 8.95E-9

HT12-Controls



CC (50) CG (104) GG (174)
 Corr: 0.232 R2: 0.054
 Z-Score: 4.771 P-Value: 1.83E-6

HT12-COPD



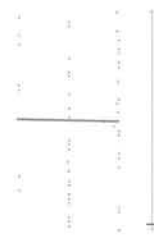
CC (68) CG (100) GG (191)
 Corr: 0.15 R2: 0.023
 Z-Score: 3.268 P-Value: 0.001

HT12-ALS



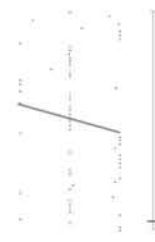
CC (20) CG (150) GG (142)
 Corr: 0.098 R2: 0.008
 Z-Score: 1.579 P-Value: 0.114

HT12-UC



CC (7) CG (21) GG (21)
 Corr: 0.01 R2: 0
 Z-Score: 0.071 P-Value: 0.944

HBv2-Controls



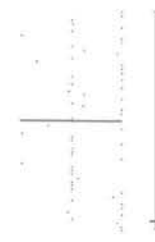
CC (9) CG (30) GG (20)
 Corr: 0.142 R2: 0.02
 Z-Score: 1.073 P-Value: 0.283

HBv2-ColicDisease



CC (36) CG (69) GG (7)
 Corr: 0.16 R2: 0.026
 Z-Score: 1.663 P-Value: 0.092

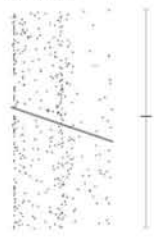
HBv2-ALS



CC (4) CG (30) GG (25)
 Corr: 0.005 R2: 0
 Z-Score: 0.034 P-Value: 0.973

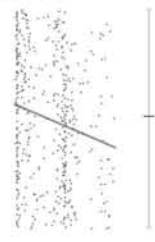
SNP rs1244268 (chr. 16, 20250073 bp)
 Probe 1820096 (chr. 23, 144589943 - 144589943 bp),
 P-Value 8.87E-9

HT12-Controls



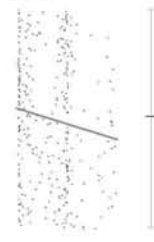
TT (175) TA (200) AA (39)
 Corr: 0.149 R2: 0.022
 Z-Score: 3.04 P-Value: 0.002

HT12-COPD



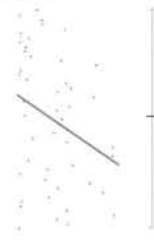
TT (100) TA (210) AA (41)
 Corr: 0.182 R2: 0.033
 Z-Score: 3.9 P-Value: 9.64E-5

HT12-ALS



TT (139) TA (157) AA (28)
 Corr: 0.132 R2: 0.017
 Z-Score: 2.369 P-Value: 0.018

HT12-UC



TT (21) TA (21) AA (7)
 Corr: 0.306 R2: 0.093
 Z-Score: 2.136 P-Value: 0.033

HBv2-Controls

eQTL not available
 Probe not present.

HBv2-ColicDisease

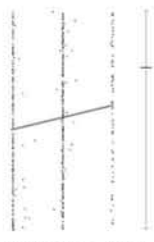
eQTL not available
 Probe not present.

HBv2-ALS

eQTL not available
 Probe not present.

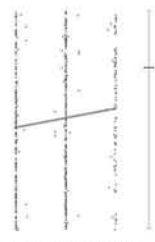
SNP rs2517713 (chr. 6, 30026078 bp)
 Probe 3290310 (chr. 1, 52028472 - 52117974 bp), NR1D1
 P-Value 8.30E-9

HT12-Controls



TT (150) TG (205) GG (59)
 Corr: 0.125 R2: 0.016
 Z-Score: 2.543 P-Value: 0.011

HT12-COPD



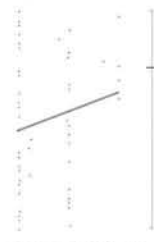
TT (162) TG (206) GG (82)
 Corr: 0.108 R2: 0.012
 Z-Score: 2.29 P-Value: 0.022

HT12-ALS



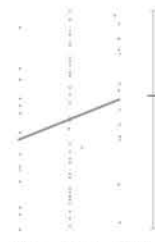
TT (96) TG (170) GG (56)
 Corr: 0.223 R2: 0.05
 Z-Score: 4.052 P-Value: 5.09E-5

HT12-UC



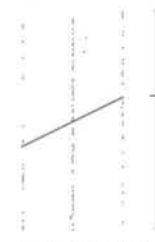
TT (27) TG (17) GG (5)
 Corr: 0.19 R2: 0.036
 Z-Score: 1.306 P-Value: 0.191

HBv2-Controls



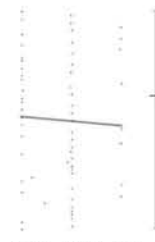
TT (14) TG (32) GG (13)
 Corr: 0.212 R2: 0.045
 Z-Score: 1.612 P-Value: 0.107

HBv2-ColicDisease



TT (20) TG (62) GG (25)
 Corr: 0.256 R2: 0.066
 Z-Score: 2.711 P-Value: 0.007

HBv2-ALS



TT (23) TG (28) GG (6)
 Corr: 0.05 R2: 0.002
 Z-Score: 0.372 P-Value: 0.71

SNP rs1701704 (chr. 12, 54688754 bp)
 Probe 3450750 (chr. 19, 62729505 - 62744936 bp), ZNF549
 P-Value 8.11E-9

HT12-Controls



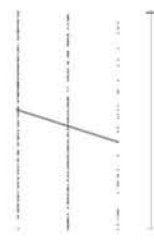
TT (193) TG (178) GG (43)
 Corr: -0.232 R2: 0.054
 Z-Score: 4.776 P-Value: 1.79E-6

HT12-COPD



TT (198) TG (206) GG (51)
 Corr: -0.092 R2: 0.008
 Z-Score: 1.95 P-Value: 0.051

HT12-ALS



TT (145) TG (140) GG (33)
 Corr: -0.167 R2: 0.008
 Z-Score: 3.018 P-Value: 0.003

HT12-UC



TT (22) TG (18) GG (9)
 Corr: -0.308 R2: 0.043
 Z-Score: 1.433 P-Value: 0.152

HBv2-Controls

eQTL not available
 Probe not present.

HBv2-ColicDisease

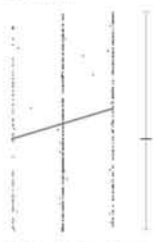
eQTL not available
 Probe not present.

HBv2-ALS

eQTL not available
 Probe not present.

SNP rs9268877 (chr. 6, 32530125 bp)
 Probe 2120746 (chr. 7, 142003303 - 142005921 bp), ENST00000390392
 P-Value 7.72E-9

HT12-Controls



AA (91) AG (212) GG (141)
 Corr: 0.158 R2: 0.025
 Z-Score: 3.234 P-Value: 0.001

HT12-COPD



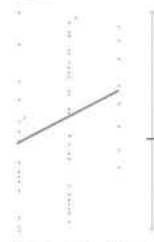
AA (91) AG (214) GG (148)
 Corr: 0.169 R2: 0.028
 Z-Score: 3.607 P-Value: 3.1E-4

HT12-ALS



AA (50) AG (179) GG (95)
 Corr: 0.146 R2: 0.021
 Z-Score: 2.64 P-Value: 0.008

HT12-UC



AA (16) AG (25) GG (8)
 Corr: 0.276 R2: 0.076
 Z-Score: 1.917 P-Value: 0.055

HBv2-Controls

eQTL not available
 Probe not present.

HBv2-ColicDisease

eQTL not available
 Probe not present.

HBv2-ALS

eQTL not available
 Probe not present.

SNP rs12485738 (chr. 3, 56840616 bp)
Probe 620750 (chr. 7, 134113711 - 134307010 tel), CALD1
P-Value 7.49E-9

HT12-Controls

HT12-COPD

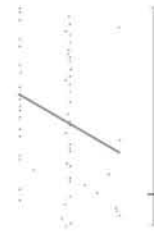
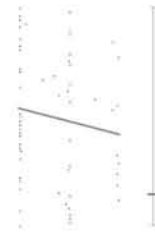
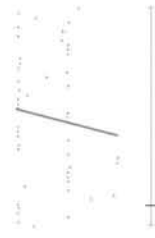
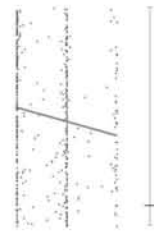
HT12-ALS

HT12-UC

HBv2-Controls

HBv2-ColicDisease

HBv2-ALS



GG (153) GA (194) AA (67)
Corr: -0.171 R2: 0.029
Z-Score: -3.493 P-Value: 4.77E-4

GG (202) GA (200) AA (51)
Corr: -0.144 R2: 0.021
Z-Score: -3.06 P-Value: 0.002

GG (132) GA (148) AA (44)
Corr: -0.106 R2: 0.011
Z-Score: -1.912 P-Value: 0.056

GG (24) GA (22) AA (3)
Corr: -0.119 R2: 0.014
Z-Score: -0.816 P-Value: 0.414

GG (26) GA (21) AA (10)
Corr: -0.144 R2: 0.021
Z-Score: -1.099 P-Value: 0.276

GG (41) GA (57) AA (13)
Corr: -0.184 R2: 0.034
Z-Score: -1.93 P-Value: 0.054

GG (26) GA (32) AA (7)
Corr: -0.277 R2: 0.077
Z-Score: -2.127 P-Value: 0.033

SNP rs713893 (chr. 12, 48333735 bp)
Probe Human_FistSeq_8_v2.2200094 (chr. 4, 11095115 - 11096340 bp), GAR1
P-Value 6.75E-9

HT12-Controls

HT12-COPD

HT12-ALS

HT12-UC

HBv2-Controls

HBv2-ColicDisease

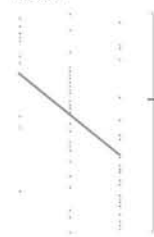
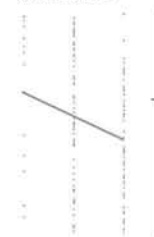
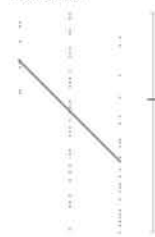
HBv2-ALS

eQTL not available
Probe not present

eQTL not available
Probe not present

eQTL not available
Probe not present

eQTL not available
Probe not present



AA (8) AG (26) GG (23)
Corr: -0.526 R2: 0.277
Z-Score: -4.282 P-Value: 1.85E-5

AA (13) AG (51) GG (17)
Corr: -0.244 R2: 0.06
Z-Score: -2.585 P-Value: 0.01

AA (10) AG (26) GG (23)
Corr: -0.453 R2: 0.205
Z-Score: -3.599 P-Value: 3.19E-4

SNP rs11171739 (chr. 12, 54756892 bp)
Probe 3940500 (chr. 2, 19413728 - 19422865 bp), OSR1
P-Value 6.25E-9

HT12-Controls

HT12-COPD

HT12-ALS

HT12-UC

HBv2-Controls

HBv2-ColicDisease

HBv2-ALS

eQTL not available
Probe not present

eQTL not available
Probe not present

eQTL not available
Probe not present

eQTL not available
Probe not present



TT (158) TC (196) CC (60)
Corr: 0.179 R2: 0.032
Z-Score: 3.657 P-Value: 2.55E-4

TT (153) TC (225) CC (75)
Corr: 0.12 R2: 0.014
Z-Score: 2.551 P-Value: 0.011

TT (102) TC (174) CC (48)
Corr: 0.171 R2: 0.029
Z-Score: 3.067 P-Value: 0.002

TT (18) TC (24) CC (9)
Corr: 0.403 R2: 0.162
Z-Score: 2.87 P-Value: 0.004

eQTL not available
Probe not present

eQTL not available
Probe not present

eQTL not available
Probe not present

SNP rs12485738 (chr. 3, 56840616 bp)
Probe 2070369 (chr. 6, 41294061 - 41231053 bp), RP1-298023.3
P-Value 6.19E-9

HT12-Controls

HT12-COPD

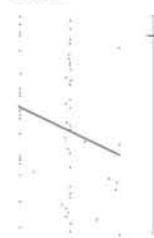
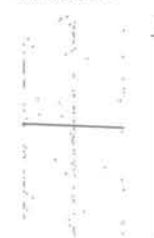
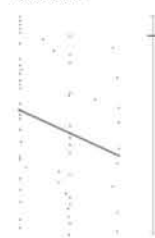
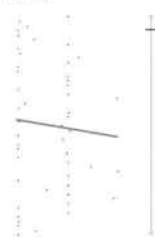
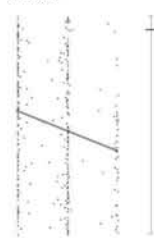
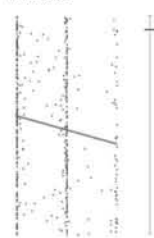
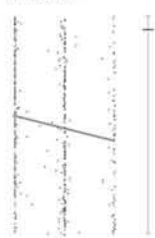
HT12-ALS

HT12-UC

HBv2-Controls

HBv2-ColicDisease

HBv2-ALS



GG (153) GA (194) AA (67)
Corr: -0.137 R2: 0.019
Z-Score: -2.794 P-Value: 0.005

GG (202) GA (200) AA (51)
Corr: -0.142 R2: 0.02
Z-Score: -3.036 P-Value: 0.002

GG (132) GA (148) AA (44)
Corr: -0.206 R2: 0.042
Z-Score: -3.734 P-Value: 1.89E-4

GG (24) GA (22) AA (3)
Corr: -0.078 R2: 0.006
Z-Score: -0.533 P-Value: 0.594

GG (26) GA (21) AA (10)
Corr: -0.256 R2: 0.066
Z-Score: -1.961 P-Value: 0.05

GG (41) GA (57) AA (13)
Corr: -0.019 R2: 0
Z-Score: -0.194 P-Value: 0.846

GG (26) GA (32) AA (7)
Corr: -0.229 R2: 0.052
Z-Score: -1.745 P-Value: 0.081

SNP rs11022954 (chr. 11, 192856 bp)
Probe 2230241 (chr. 6, 6086310 - 6266923 bp), F13A1
P-Value 5.68E-9

HT12-Controls

HT12-COPD

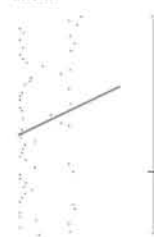
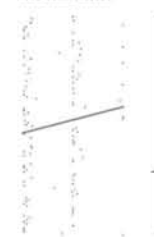
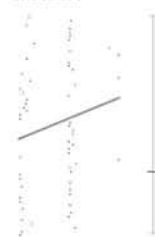
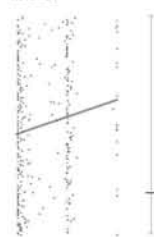
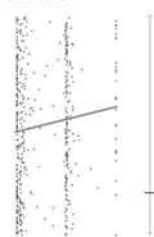
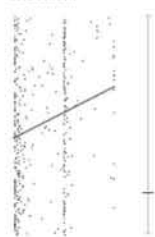
HT12-ALS

HT12-UC

HBv2-Controls

HBv2-ColicDisease

HBv2-ALS



GG (248) GA (143) AA (23)
Corr: 0.219 R2: 0.048
Z-Score: 2.489 P-Value: 7.16E-6

GG (261) GA (165) AA (27)
Corr: 0.117 R2: 0.014
Z-Score: 2.486 P-Value: 0.013

GG (199) GA (116) AA (18)
Corr: 0.153 R2: 0.024
Z-Score: 2.768 P-Value: 0.006

GG (31) GA (15) AA (3)
Corr: -0.095 R2: 0.009
Z-Score: 0.65 P-Value: 0.516

GG (26) GA (29) AA (4)
Corr: 0.183 R2: 0.033
Z-Score: 1.385 P-Value: 0.166

GG (56) GA (47) AA (8)
Corr: 0.123 R2: 0.015
Z-Score: 1.262 P-Value: 0.2

GG (40) GA (19) AA (3)
Corr: 0.162 R2: 0.026
Z-Score: 1.226 P-Value: 0.22

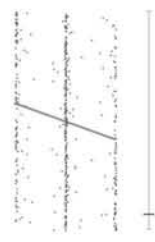
SNP rs643381 (chr. 6, 139881116 bp)
Probe 270133 (chr. 1, 23976470 - 23988309 bp), C1orf128
P-Value 4.9E-9

HT12-Controls



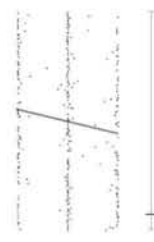
AA (82) AC (210) CC (110)
Corr: -0.112 R2: 0.012
Z-Score: 2.274 P-Value: 0.023

HT12-COPD



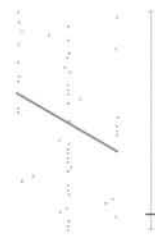
AA (110) AC (230) CC (101)
Corr: -0.191 R2: 0.037
Z-Score: 4.069 P-Value: 4.16E-5

HT12-ALS



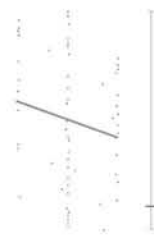
AA (95) AC (149) CC (80)
Corr: -0.139 R2: 0.019
Z-Score: 2.501 P-Value: 0.012

HT12-UC



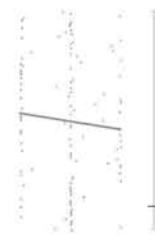
AA (11) AC (29) CC (9)
Corr: -0.274 R2: 0.075
Z-Score: 1.908 P-Value: 0.056

HBv2-Controls



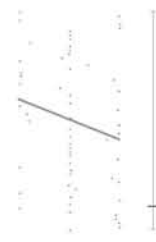
AA (11) AC (31) CC (17)
Corr: -0.188 R2: 0.036
Z-Score: 1.429 P-Value: 0.153

HBv2-ColiacDisease



AA (30) AC (57) CC (24)
Corr: -0.08 R2: 0.006
Z-Score: 0.831 P-Value: 0.406

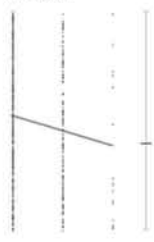
HBv2-ALS



AA (14) AC (28) CC (12)
Corr: -0.216 R2: 0.047
Z-Score: 1.645 P-Value: 0.1

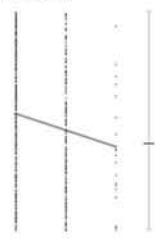
SNP rs7847305 (chr. 3, 187316984 bp)
Probe 540184 (chr. 4, 181858620 - 181858620 bp), -
P-Value 4.85E-9

HT12-Controls



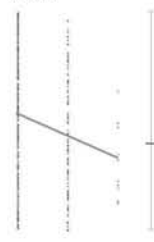
CC (266) CT (132) TT (16)
Corr: -0.134 R2: 0.018
Z-Score: 2.725 P-Value: 0.006

HT12-COPD



CC (260) CT (170) TT (20)
Corr: -0.155 R2: 0.024
Z-Score: 3.318 P-Value: 9.09E-4

HT12-ALS



CC (218) CT (96) TT (10)
Corr: -0.188 R2: 0.035
Z-Score: 3.402 P-Value: 6.69E-4

HT12-UC



CC (27) CT (18) TT (4)
Corr: -0.38 R2: 0.144
Z-Score: 2.692 P-Value: 0.007

HBv2-Controls

eQTL not available
Probe not present.

HBv2-ColiacDisease

eQTL not available
Probe not present.

HBv2-ALS

eQTL not available
Probe not present.

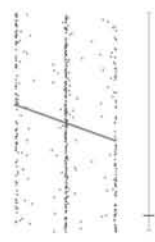
SNP rs628751 (chr. 6, 139880112 bp)
Probe 270133 (chr. 1, 23976470 - 23988309 bp), C1orf128
P-Value 4.75E-9

HT12-Controls



AA (82) AC (210) CC (110)
Corr: -0.112 R2: 0.013
Z-Score: 2.28 P-Value: 0.023

HT12-COPD



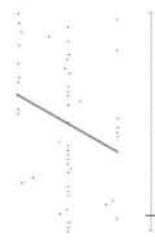
AA (110) AC (230) CC (101)
Corr: -0.192 R2: 0.037
Z-Score: 4.111 P-Value: 3.95E-5

HT12-ALS



AA (95) AC (149) CC (80)
Corr: -0.138 R2: 0.019
Z-Score: 2.494 P-Value: 0.013

HT12-UC



AA (11) AC (29) CC (9)
Corr: -0.274 R2: 0.075
Z-Score: 1.906 P-Value: 0.057

HBv2-Controls



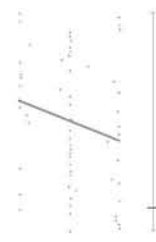
AA (11) AC (31) CC (17)
Corr: -0.188 R2: 0.035
Z-Score: 1.426 P-Value: 0.154

HBv2-ColiacDisease



AA (30) AC (57) CC (24)
Corr: -0.08 R2: 0.006
Z-Score: 0.831 P-Value: 0.406

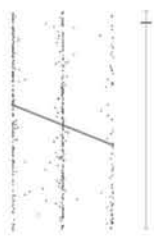
HBv2-ALS



AA (14) AC (28) CC (12)
Corr: -0.217 R2: 0.047
Z-Score: 1.648 P-Value: 0.099

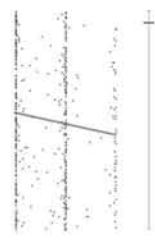
SNP rs12485738 (chr. 3, 56840616 bp)
Probe 4250703 (chr. 7, 128570946 - 12859907 bp), TSPAN33
P-Value 4.66E-9

HT12-Controls



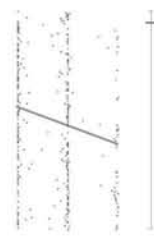
GG (153) GA (194) AA (67)
Corr: -0.219 R2: 0.048
Z-Score: 4.488 P-Value: 7.14E-6

HT12-COPD



GG (202) GA (200) AA (51)
Corr: -0.114 R2: 0.013
Z-Score: 2.425 P-Value: 0.015

HT12-ALS



GG (132) GA (148) AA (44)
Corr: -0.192 R2: 0.037
Z-Score: 3.471 P-Value: 5.19E-4

HT12-UC



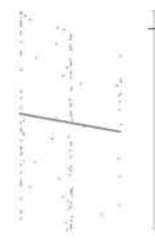
GG (24) GA (22) AA (3)
Corr: -0.068 R2: 0.004
Z-Score: 0.432 P-Value: 0.651

HBv2-Controls



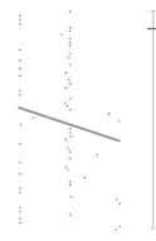
GG (26) GA (21) AA (10)
Corr: 0.06 R2: 0.004
Z-Score: 0.45 P-Value: 0.653

HBv2-ColiacDisease



GG (41) GA (57) AA (13)
Corr: -0.089 R2: 0.008
Z-Score: 0.926 P-Value: 0.354

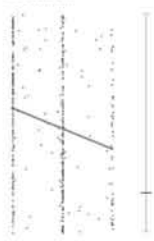
HBv2-ALS



GG (20) GA (32) AA (7)
Corr: -0.161 R2: 0.026
Z-Score: 1.215 P-Value: 0.224

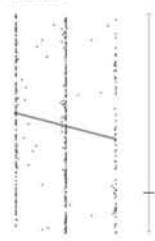
SNP rs11171739 (chr. 12, 54756892 bp)
Probe 4780424 (chr. 19, 43000562 - 4320435 bp), ER3K
P-Value 4.58E-9

HT12-Controls



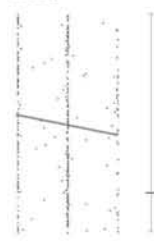
TT (158) TC (196) CC (60)
Corr: -0.216 R2: 0.046
Z-Score: 4.426 P-Value: 9.61E-6

HT12-COPD



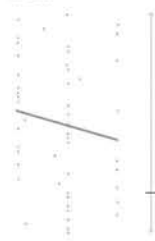
TT (153) TC (225) CC (75)
Corr: -0.137 R2: 0.019
Z-Score: 2.919 P-Value: 0.004

HT12-ALS



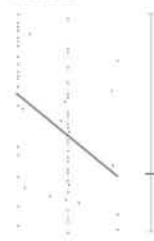
TT (102) TC (174) CC (48)
Corr: -0.105 R2: 0.011
Z-Score: 1.888 P-Value: 0.059

HT12-UC



TT (16) TC (24) CC (9)
Corr: -0.158 R2: 0.025
Z-Score: 1.085 P-Value: 0.278

HBv2-Controls



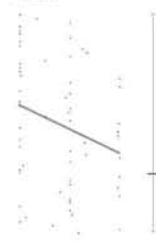
TT (22) TC (32) CC (5)
Corr: -0.378 R2: 0.143
Z-Score: 2.957 P-Value: 0.003

HBv2-ColiacDisease



TT (33) TC (59) CC (19)
Corr: 0.071 R2: 0.005
Z-Score: 0.743 P-Value: 0.457

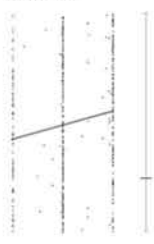
HBv2-ALS



TT (24) TC (25) CC (10)
Corr: -0.268 R2: 0.072
Z-Score: 2.048 P-Value: 0.041

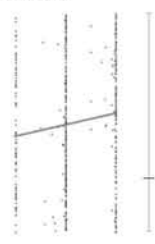
SNP rs2523393 (chr. 6, 29613638 bp)
Probe 4230441 (chr. 16, 56258658 - 56262476 bp), GPR17
P-Value 4.35E-9

HT12-Controls



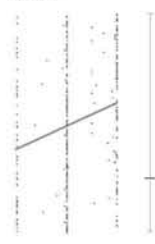
GG (75) GA (196) AA (140)
Corr: 0.155 R2: 0.024
Z-Score:3.173 P-Value:0.002

HT12-COPD



GG (75) GA (221) AA (157)
Corr: 0.123 R2: 0.015
Z-Score:2.612 P-Value:0.009

HT12-ALS



GG (50) GA (158) AA (113)
Corr: 0.245 R2: 0.06
Z-Score:4.456 P-Value:5.35E-6

HT12-UC



GG (18) GA (20) AA (11)
Corr: 0.131 R2: 0.017
Z-Score:0.9 P-Value:0.368

HBv2-Controls

eQTL not available
Probe not present.

HBv2-ColicDisease

eQTL not available
Probe not present.

HBv2-ALS

eQTL not available
Probe not present.

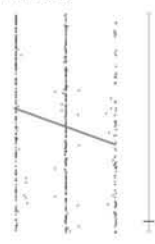
SNP rs2517713 (chr. 6, 30069078 bp)
Probe 6760209 (chr. 6, 136620419 - 136653692 bp), CTA211L3.1
P-Value 4.27E-9

HT12-Controls



TT (150) TG (209) GG (59)
Corr: -0.156 R2: 0.024
Z-Score:-3.182 P-Value:0.001

HT12-COPD



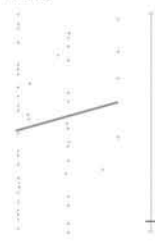
TT (162) TG (209) GG (82)
Corr: -0.202 R2: 0.041
Z-Score:-4.338 P-Value:1.44E-5

HT12-ALS



TT (98) TG (170) GG (56)
Corr: -0.174 R2: 0.03
Z-Score:-3.137 P-Value:0.002

HT12-UC



TT (27) TG (17) GG (9)
Corr: 0.141 R2: 0.02
Z-Score:0.965 P-Value:0.335

HBv2-Controls

eQTL not available
Probe not present.

HBv2-ColicDisease

eQTL not available
Probe not present.

HBv2-ALS

eQTL not available
Probe not present.

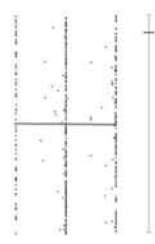
SNP rs2523393 (chr. 6, 29613638 bp)
Probe 5000044 (chr. 3, 101939850 - 101951500 bp), TFG
P-Value 4.29E-9

HT12-Controls



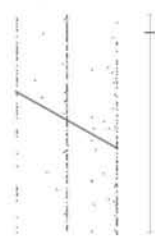
GG (72) GA (196) AA (148)
Corr: -0.287 R2: 0.083
Z-Score:-5.957 P-Value:2.56E-9

HT12-COPD



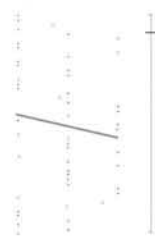
GG (75) GA (221) AA (157)
Corr: -0.009 R2: 0
Z-Score:-0.192 P-Value:0.848

HT12-ALS



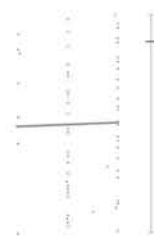
GG (50) GA (158) AA (113)
Corr: -0.301 R2: 0.091
Z-Score:-5.53 P-Value:3.2E-8

HT12-UC



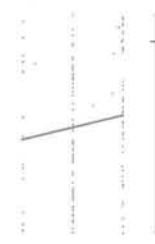
GG (18) GA (20) AA (11)
Corr: -0.136 R2: 0.018
Z-Score:-0.93 P-Value:0.352

HBv2-Controls



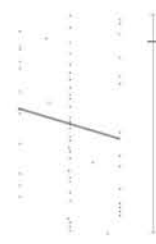
GG (7) GA (25) AA (27)
Corr: 0.023 R2: 0.001
Z-Score:0.173 P-Value:0.863

HBv2-ColicDisease



GG (14) GA (54) AA (43)
Corr: 0.125 R2: 0.016
Z-Score:1.306 P-Value:0.191

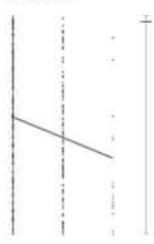
HBv2-ALS



GG (12) GA (32) AA (15)
Corr: -0.157 R2: 0.025
Z-Score:-1.19 P-Value:0.234

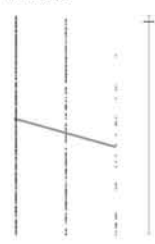
SNP rs1900493 (chr. 6, 32471193 bp)
Probe 6380347 (chr. 25, 40346241 - 40390996 bp), XFCC6
P-Value 3.67E-9

HT12-Controls



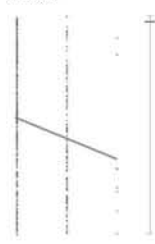
TT (94) TC (135) CC (15)
Corr: -0.181 R2: 0.033
Z-Score:-3.697 P-Value:2.18E-4

HT12-COPD



TT (277) TC (150) CC (26)
Corr: -0.134 R2: 0.018
Z-Score:-2.864 P-Value:0.004

HT12-ALS



TT (113) TC (103) CC (8)
Corr: -0.172 R2: 0.029
Z-Score:-3.102 P-Value:0.002

HT12-UC



TT (34) TC (14) CC (1)
Corr: -0.319 R2: 0.102
Z-Score:-2.237 P-Value:0.025

HBv2-Controls

eQTL not available
Probe not present.

HBv2-ColicDisease

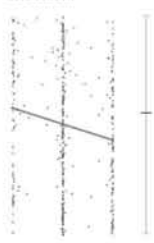
eQTL not available
Probe not present.

HBv2-ALS

eQTL not available
Probe not present.

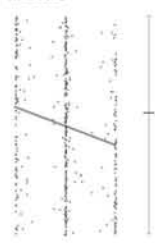
SNP rs620751 (chr. 6, 139680112 bp)
Probe 2450647 (chr. 12, 51353787 - 51361458 bp), KRT11
P-Value 3.09E-9

HT12-Controls



AA (82) AC (216) CC (116)
Corr: -0.166 R2: 0.028
Z-Score:-3.4 P-Value:6.74E-4

HT12-COPD



AA (116) AC (236) CC (107)
Corr: -0.2 R2: 0.04
Z-Score:-4.283 P-Value:1.84E-5

HT12-ALS



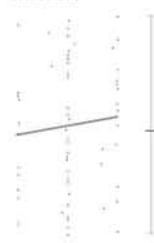
AA (95) AC (149) CC (80)
Corr: -0.145 R2: 0.021
Z-Score:-2.606 P-Value:0.009

HT12-UC



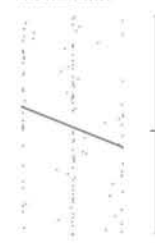
AA (11) AC (29) CC (9)
Corr: 0.002 R2: 0
Z-Score:0.016 P-Value:0.997

HBv2-Controls



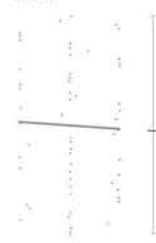
AA (11) AC (31) CC (17)
Corr: 0.09 R2: 0.008
Z-Score:0.676 P-Value:0.499

HBv2-ColicDisease



AA (30) AC (57) CC (24)
Corr: -0.208 R2: 0.043
Z-Score:-2.193 P-Value:0.028

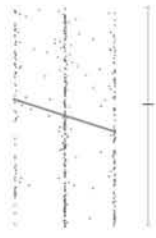
HBv2-ALS



AA (14) AC (28) CC (17)
Corr: -0.036 R2: 0.001
Z-Score:-0.272 P-Value:0.785

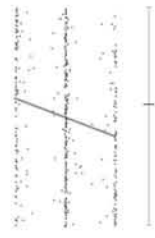
SNP rs643381 (chr. 6, 139881116 bp)
 Probe 2450647 (chr. 12, 51353787 - 51361458 bp), KR11
 P-Value 3.03E-9

HT12-Controls



AA (82) AC (210) CC (110)
 Corr: -0.166 R2: 0.028
 Z-Score: 3.396 P-Value: 6.84E-4

HT12-COPD



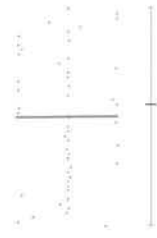
AA (110) AC (290) CC (101)
 Corr: 0.2 R2: 0.04
 Z-Score: 4.278 P-Value: 1.89E-5

HT12-ALS



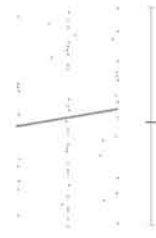
AA (95) AC (149) CC (80)
 Corr: -0.145 R2: 0.021
 Z-Score: 2.612 P-Value: 0.009

HT12-UC



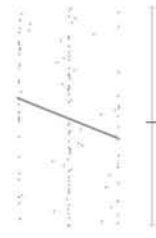
AA (11) AC (29) CC (9)
 Corr: 0.001 R2: 0
 Z-Score: 0.009 P-Value: 0.993

HBv2-Controls



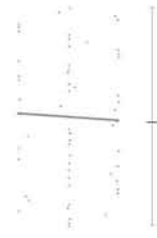
AA (11) AC (31) CC (17)
 Corr: 0.089 R2: 0.008
 Z-Score: 0.67 P-Value: 0.503

HBv2-ColiacDisease



AA (30) AC (57) CC (24)
 Corr: -0.208 R2: 0.043
 Z-Score: 2.187 P-Value: 0.029

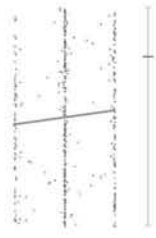
HBv2-ALS



AA (14) AC (28) CC (17)
 Corr: -0.036 R2: 0.001
 Z-Score: 0.268 P-Value: 0.789

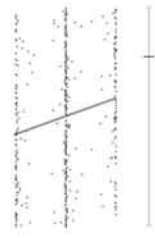
SNP rs628751 (chr. 6, 139881112 bp)
 Probe 3170270 (chr. 1, 47420848 - 47430003 bp), PD2K1P1
 P-Value 2.68E-9

HT12-Controls



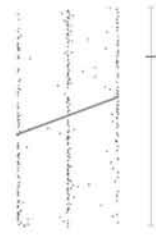
AA (82) AC (210) CC (110)
 Corr: 0.071 R2: 0.005
 Z-Score: 1.437 P-Value: 0.151

HT12-COPD



AA (110) AC (290) CC (101)
 Corr: 0.19 R2: 0.036
 Z-Score: 4.081 P-Value: 4.49E-5

HT12-ALS



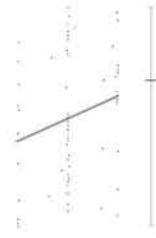
AA (95) AC (149) CC (80)
 Corr: 0.21 R2: 0.044
 Z-Score: 3.801 P-Value: 1.44E-4

HT12-UC



AA (11) AC (29) CC (9)
 Corr: 0.186 R2: 0.035
 Z-Score: 1.262 P-Value: 0.2

HBv2-Controls



AA (11) AC (31) CC (17)
 Corr: 0.23 R2: 0.053
 Z-Score: 1.756 P-Value: 0.079

HBv2-ColiacDisease



AA (30) AC (57) CC (24)
 Corr: 0.009 R2: 0
 Z-Score: 0.096 P-Value: 0.924

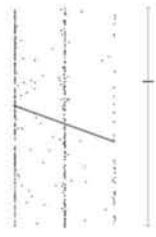
HBv2-ALS



AA (14) AC (28) CC (17)
 Corr: 0.332 R2: 0.11
 Z-Score: 2.568 P-Value: 0.01

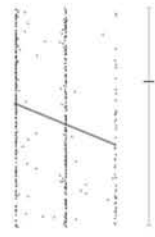
SNP rs292239 (chr. 12, 54768447 bp)
 Probe 230484 (chr. 5, 177413996 - 177416873 bp), AC136632.3
 P-Value 2.68E-9

HT12-Controls



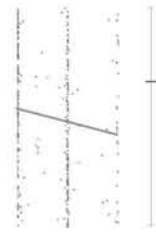
GG (196) GT (180) TT (38)
 Corr: -0.178 R2: 0.031
 Z-Score: 3.006 P-Value: 3.11E-4

HT12-COPD



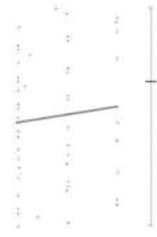
GG (198) GT (206) TT (88)
 Corr: -0.213 R2: 0.045
 Z-Score: 4.571 P-Value: 4.85E-6

HT12-ALS



GG (144) GT (147) TT (33)
 Corr: -0.134 R2: 0.018
 Z-Score: 2.412 P-Value: 0.016

HT12-UC



GG (22) GT (17) TT (9)
 Corr: 0.094 R2: 0.009
 Z-Score: 0.64 P-Value: 0.522

HBv2-Controls

eQTL not available
 Probe not present.

HBv2-ColiacDisease

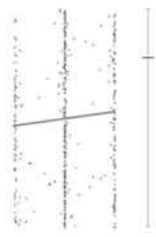
eQTL not available
 Probe not present.

HBv2-ALS

eQTL not available
 Probe not present.

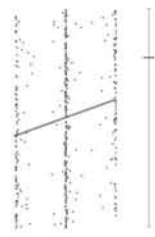
SNP rs643381 (chr. 6, 139881116 bp)
 Probe 3170270 (chr. 1, 47420848 - 47430003 bp), PD2K1P1
 P-Value 2.68E-9

HT12-Controls



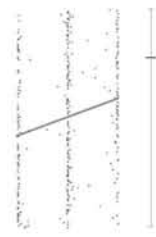
AA (82) AC (210) CC (110)
 Corr: 0.071 R2: 0.005
 Z-Score: 1.437 P-Value: 0.151

HT12-COPD



AA (110) AC (290) CC (101)
 Corr: 0.191 R2: 0.036
 Z-Score: 4.086 P-Value: 4.38E-5

HT12-ALS



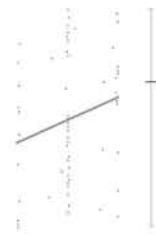
AA (95) AC (149) CC (80)
 Corr: 0.21 R2: 0.044
 Z-Score: 3.801 P-Value: 1.44E-4

HT12-UC



AA (11) AC (29) CC (9)
 Corr: 0.186 R2: 0.035
 Z-Score: 1.28 P-Value: 0.2

HBv2-Controls



AA (11) AC (31) CC (17)
 Corr: 0.23 R2: 0.053
 Z-Score: 1.756 P-Value: 0.079

HBv2-ColiacDisease



AA (30) AC (57) CC (24)
 Corr: 0.009 R2: 0
 Z-Score: 0.088 P-Value: 0.922

HBv2-ALS



AA (14) AC (28) CC (17)
 Corr: 0.332 R2: 0.11
 Z-Score: 2.573 P-Value: 0.01

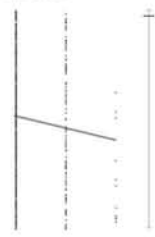
SNP rs8321 (chr. 6, 30140501 bp)
 Probe 6300347 (chr. 22, 40340541 - 40390980 bp), XPC6
 P-Value 2.32E-9

HT12-Controls



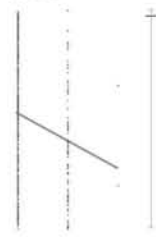
AA (316) AC (80) CC (8)
 Corr: -0.224 R2: 0.05
 Z-Score: 4.611 P-Value: 4E-6

HT12-COPD



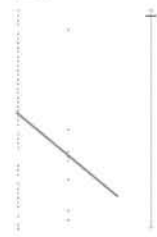
AA (341) AC (101) CC (11)
 Corr: -0.092 R2: 0.008
 Z-Score: 1.957 P-Value: 0.05

HT12-ALS



AA (268) AC (74) CC (2)
 Corr: -0.196 R2: 0.038
 Z-Score: 3.524 P-Value: 4.24E-4

HT12-UC



AA (41) AC (8) CC (0)
 Corr: -0.238 R2: 0.057
 Z-Score: 1.648 P-Value: 0.099

HBv2-Controls

eQTL not available
 Probe not present.

HBv2-ColiacDisease

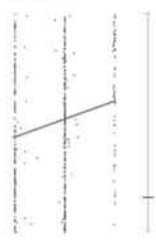
eQTL not available
 Probe not present.

HBv2-ALS

eQTL not available
 Probe not present.

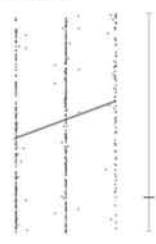
SNP rs2517713 (chr. 6, 3006978 bp)
 Probe 2970747 (chr. 6, 6839738 - 6844588 bp). AF203439.5/DEF11P/WAF238378.4/DEF43
 P-Value 1.98E-9

HT12-Controls



TT (150) TG (205) GG (58)
 Corr: 0.189 R2: 0.036
 Z-Score:3.868 P-Value:1.1E-4

HT12-COPD



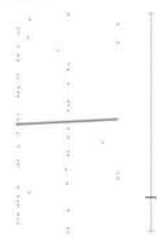
TT (102) TG (209) GG (82)
 Corr: 0.204 R2: 0.042
 Z-Score:4.363 P-Value:1.17E-5

HT12-ALS



TT (98) TG (170) GG (56)
 Corr: 0.118 R2: 0.014
 Z-Score:2.125 P-Value:0.034

HT12-UC



TT (27) TG (17) GG (5)
 Corr: 0.025 R2: 0.001
 Z-Score:0.17 P-Value:0.885

HBv2-Controls

eQTL not available
 Probe not present.

HBv2-ColicDisease

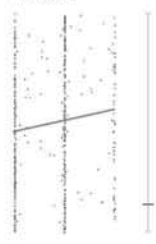
eQTL not available
 Probe not present.

HBv2-ALS

eQTL not available
 Probe not present.

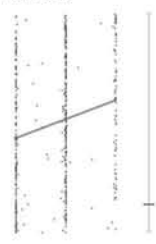
SNP rs11171739 (chr. 12, 5476692 bp)
 Probe 5960296 (chr. 3, 191505197 - 19152909 bp). CLDN1
 P-Value 2E-9

HT12-Controls



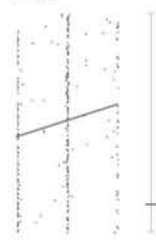
TT (158) TC (196) CC (60)
 Corr: 0.114 R2: 0.013
 Z-Score:2.327 P-Value:0.02

HT12-COPD



TT (153) TC (225) CC (75)
 Corr: 0.203 R2: 0.041
 Z-Score:4.357 P-Value:1.32E-5

HT12-ALS



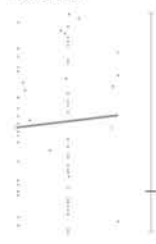
TT (102) TC (174) CC (48)
 Corr: 0.196 R2: 0.028
 Z-Score:3.001 P-Value:0.003

HT12-UC



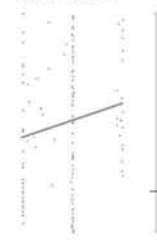
TT (18) TC (24) CC (9)
 Corr: 0.115 R2: 0.013
 Z-Score:0.788 P-Value:0.431

HBv2-Controls



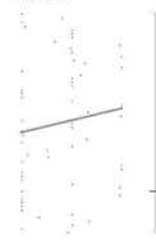
TT (22) TC (32) CC (5)
 Corr: 0.055 R2: 0.003
 Z-Score:0.413 P-Value:0.68

HBv2-ColicDisease



TT (33) TC (58) CC (19)
 Corr: 0.175 R2: 0.031
 Z-Score:1.839 P-Value:0.066

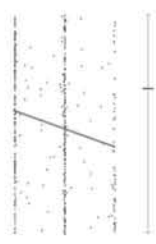
HBv2-ALS



TT (24) TC (25) CC (10)
 Corr: 0.138 R2: 0.019
 Z-Score:1.041 P-Value:0.298

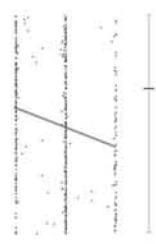
SNP rs11171739 (chr. 12, 5476692 bp)
 Probe 2320494 (chr. 5, 177413996 - 177416873 bp). AC136632.3
 P-Value 1.95E-9

HT12-Controls



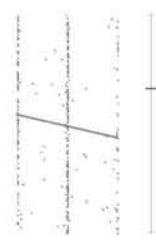
TT (158) TC (196) CC (60)
 Corr: -0.194 R2: 0.038
 Z-Score:-3.988 P-Value:7.25E-5

HT12-COPD



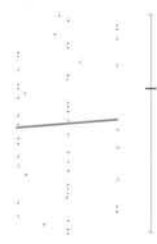
TT (153) TC (225) CC (75)
 Corr: -0.209 R2: 0.043
 Z-Score:-4.475 P-Value:7.65E-6

HT12-ALS



TT (102) TC (174) CC (48)
 Corr: -0.114 R2: 0.013
 Z-Score:-2.055 P-Value:0.04

HT12-UC



TT (18) TC (24) CC (9)
 Corr: 0.039 R2: 0.002
 Z-Score:0.268 P-Value:0.789

HBv2-Controls

eQTL not available
 Probe not present.

HBv2-ColicDisease

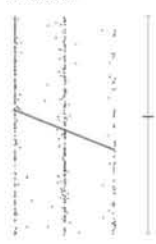
eQTL not available
 Probe not present.

HBv2-ALS

eQTL not available
 Probe not present.

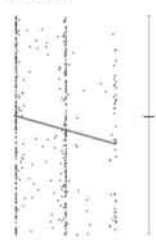
SNP rs12485738 (chr. 3, 56840816 bp)
 Probe 2650114 (chr. 3, 125963488 - 126008834 bp). ITGB5
 P-Value 1.89E-9

HT12-Controls



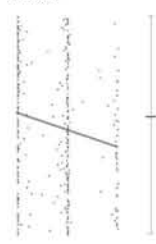
GG (153) GA (194) AA (67)
 Corr: -0.22 R2: 0.048
 Z-Score:-4.517 P-Value:6.27E-6

HT12-COPD



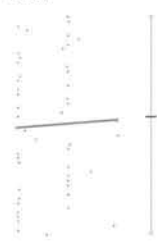
GG (202) GA (200) AA (51)
 Corr: -0.141 R2: 0.02
 Z-Score:-3.008 P-Value:0.003

HT12-ALS



GG (132) GA (148) AA (44)
 Corr: -0.176 R2: 0.031
 Z-Score:-3.173 P-Value:0.002

HT12-UC



GG (24) GA (22) AA (7)
 Corr: 0.035 R2: 0.001
 Z-Score:0.239 P-Value:0.811

HBv2-Controls

eQTL not available
 Probe not present.

HBv2-ColicDisease

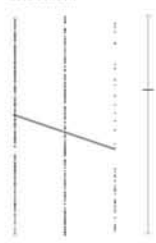
eQTL not available
 Probe not present.

HBv2-ALS

eQTL not available
 Probe not present.

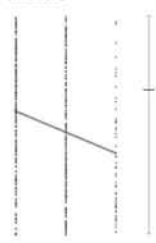
SNP rs1701704 (chr. 12, 54698754 bp)
 Probe 2320494 (chr. 5, 177413996 - 177416873 bp). AC136632.3
 P-Value 1.83E-9

HT12-Controls



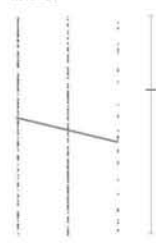
TT (193) TG (178) GG (43)
 Corr: -0.18 R2: 0.032
 Z-Score:-3.674 P-Value:2.39E-4

HT12-COPD



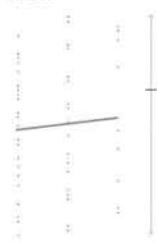
TT (196) TG (205) GG (51)
 Corr: -0.218 R2: 0.048
 Z-Score:-4.663 P-Value:2.83E-6

HT12-ALS



TT (145) TG (146) GG (33)
 Corr: -0.125 R2: 0.016
 Z-Score:-2.242 P-Value:0.025

HT12-UC



TT (22) TG (10) GG (9)
 Corr: 0.071 R2: 0.005
 Z-Score:0.486 P-Value:0.627

HBv2-Controls

eQTL not available
 Probe not present.

HBv2-ColicDisease

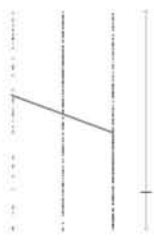
eQTL not available
 Probe not present.

HBv2-ALS

eQTL not available
 Probe not present.

SNP rs4785763 (chr. 16, 88594437 bp)
 Probe 4040541 (chr. 3, 113329247 - 113381589 bp), DRD3
 P-Value 1.82E-9

HT12-Controls



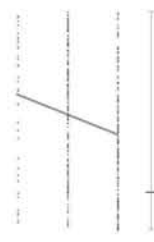
AA (42) AC (174) CC (198)
 Corr: -0.195 R2: 0.036
 Z-Score: -3.997 P-Value: 6.41E-5

HT12-COPD



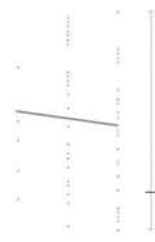
AA (45) AC (207) CC (201)
 Corr: -0.017 R2: 0
 Z-Score: -0.367 P-Value: 0.714

HT12-ALS



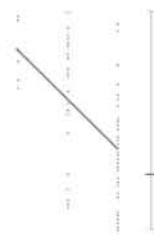
AA (35) AC (147) CC (142)
 Corr: -0.211 R2: 0.044
 Z-Score: -3.818 P-Value: 1.35E-4

HT12-UC



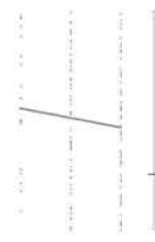
AA (5) AC (23) CC (21)
 Corr: -0.071 R2: 0.005
 Z-Score: -0.484 P-Value: 0.628

HBv2-Controls



AA (6) AC (21) CC (33)
 Corr: -0.521 R2: 0.271
 Z-Score: -4.229 P-Value: 2.35E-5

HBv2-ColiacDisease



AA (16) AC (43) CC (52)
 Corr: -0.109 R2: 0.012
 Z-Score: -1.138 P-Value: 0.255

HBv2-ALS



AA (8) AC (34) CC (17)
 Corr: -0.41 R2: 0.169
 Z-Score: -3.229 P-Value: 0.001

SNP rs12718597 (chr. 7, 50385922 bp)
 Probe Human_FlatSeq_8_v2.2340110 (chr. 2, 190709731 - 19077453 bp), AC010679.6
 P-Value 1.74E-9

HT12-Controls

eQTL not available
 Probe not present

HT12-COPD

eQTL not available
 Probe not present

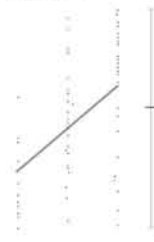
HT12-ALS

eQTL not available
 Probe not present

HT12-UC

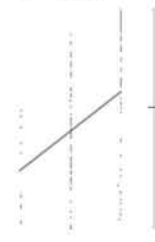
eQTL not available
 Probe not present

HBv2-Controls



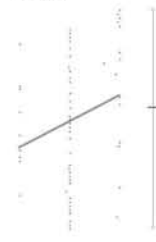
AA (11) AC (23) CC (25)
 Corr: 0.496 R2: 0.246
 Z-Score: 3.999 P-Value: 6.37E-5

HBv2-ColiacDisease



AA (11) AC (53) CC (47)
 Corr: 0.397 R2: 0.158
 Z-Score: 4.313 P-Value: 1.61E-5

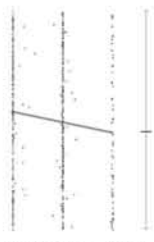
HBv2-ALS



AA (9) AC (35) CC (15)
 Corr: 0.255 R2: 0.065
 Z-Score: 1.95 P-Value: 0.051

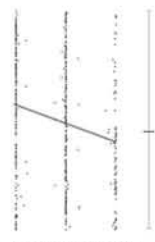
SNP rs2517713 (chr. 6, 30026078 bp)
 Probe 3170403 (chr. 6, 11891735 - 11891901 bp), C6orf204
 P-Value 1.68E-9

HT12-Controls



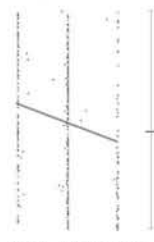
TT (150) TG (205) GG (59)
 Corr: -0.109 R2: 0.012
 Z-Score: -2.218 P-Value: 0.027

HT12-COPD



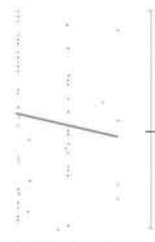
TT (162) TG (209) GG (82)
 Corr: -0.206 R2: 0.042
 Z-Score: -4.42 P-Value: 9.68E-6

HT12-ALS



TT (96) TG (170) GG (56)
 Corr: -0.207 R2: 0.043
 Z-Score: -3.744 P-Value: 1.81E-4

HT12-UC



TT (27) TG (17) GG (5)
 Corr: -0.114 R2: 0.013
 Z-Score: -0.777 P-Value: 0.437

HBv2-Controls

eQTL not available
 Probe not present

HBv2-ColiacDisease

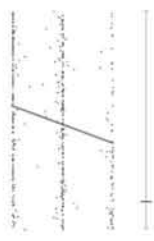
eQTL not available
 Probe not present

HBv2-ALS

eQTL not available
 Probe not present

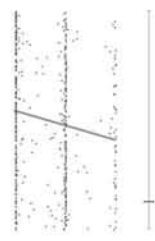
SNP rs12485738 (chr. 3, 56840816 bp)
 Probe 690184 (chr. 12, 10030319 - 10051641 bp), CLEC1B/CLEC12B
 P-Value 1.6E-9

HT12-Controls



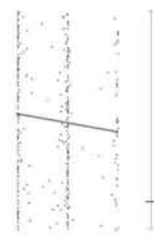
GG (153) GA (194) AA (67)
 Corr: -0.204 R2: 0.042
 Z-Score: -4.19 P-Value: 2.79E-5

HT12-COPD



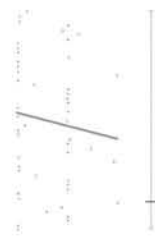
GG (202) GA (205) AA (51)
 Corr: -0.152 R2: 0.023
 Z-Score: -3.244 P-Value: 0.001

HT12-ALS



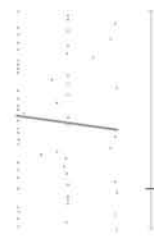
GG (132) GA (148) AA (44)
 Corr: -0.095 R2: 0.009
 Z-Score: -1.71 P-Value: 0.087

HT12-UC



GG (24) GA (22) AA (3)
 Corr: -0.121 R2: 0.015
 Z-Score: -0.826 P-Value: 0.409

HBv2-Controls



GG (26) GA (21) AA (10)
 Corr: -0.079 R2: 0.006
 Z-Score: -0.596 P-Value: 0.551

HBv2-ColiacDisease



GG (41) GA (57) AA (13)
 Corr: -0.189 R2: 0.036
 Z-Score: -1.986 P-Value: 0.047

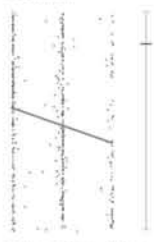
HBv2-ALS



GG (20) GA (32) AA (7)
 Corr: -0.257 R2: 0.066
 Z-Score: -1.967 P-Value: 0.049

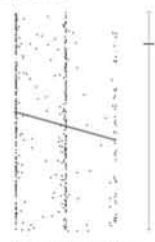
SNP rs12485738 (chr. 3, 56840816 bp)
 Probe 690022 (chr. 22, 18065526 - 18069297 bp), SEPT5/WP18B
 P-Value 1.47E-9

HT12-Controls



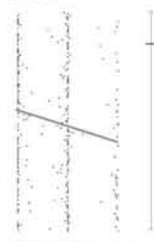
GG (153) GA (194) AA (67)
 Corr: -0.19 R2: 0.036
 Z-Score: -3.898 P-Value: 9.68E-5

HT12-COPD



GG (202) GA (205) AA (51)
 Corr: -0.142 R2: 0.02
 Z-Score: -3.03 P-Value: 0.002

HT12-ALS



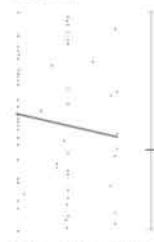
GG (132) GA (148) AA (44)
 Corr: -0.164 R2: 0.027
 Z-Score: -2.959 P-Value: 0.003

HT12-UC



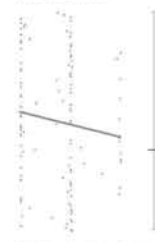
GG (24) GA (22) AA (3)
 Corr: 0.038 R2: 0.001
 Z-Score: 0.256 P-Value: 0.796

HBv2-Controls



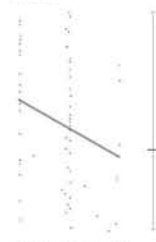
GG (26) GA (21) AA (10)
 Corr: -0.128 R2: 0.018
 Z-Score: -0.966 P-Value: 0.334

HBv2-ColiacDisease



GG (41) GA (57) AA (13)
 Corr: -0.121 R2: 0.015
 Z-Score: -1.263 P-Value: 0.207

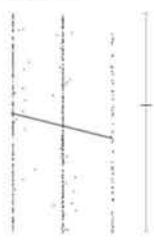
HBv2-ALS



GG (20) GA (32) AA (7)
 Corr: -0.271 R2: 0.073
 Z-Score: -2.072 P-Value: 0.038

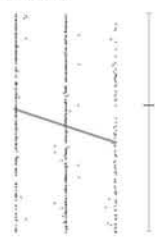
SNP rs2517713 (chr. 6, 3006078 bp)
Probe 665035 (chr. 12, 8862814 tel.)
P-Value 1.44E-9

HT12-Controls



TT (150) TG (205) GG (59)
Corr: -0.132 R2: 0.017
Z-Score: 2.69 P-Value: 0.007

HT12-COPD



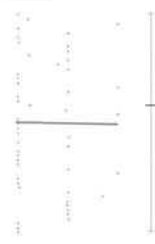
TT (162) TG (209) GG (82)
Corr: -0.187 R2: 0.035
Z-Score: 4.004 P-Value: 6.29E-5

HT12-ALS



TT (96) TG (170) GG (56)
Corr: -0.222 R2: 0.049
Z-Score: 4.027 P-Value: 6.66E-5

HT12-UC



TT (27) TG (17) GG (5)
Corr: -0.012 R2: 0
Z-Score: 0.081 P-Value: 0.935

HBv2-Controls

eQTL not available
Probe not present.

HBv2-ColicDisease

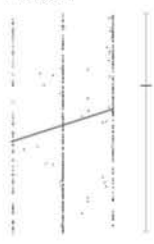
eQTL not available
Probe not present.

HBv2-ALS

eQTL not available
Probe not present.

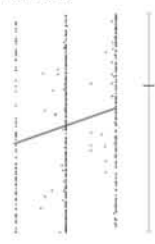
SNP rs2523383 (chr. 6, 29813638 bp)
Probe 7150170 (chr. 8, 6840527 - 6844510 bp), AJ233439.5/WDEF1P/WAF238378.4/DEF43
P-Value 1.2E-9

HT12-Controls



GG (72) GA (190) AA (140)
Corr: 0.175 R2: 0.03
Z-Score: 3.57 P-Value: 3.58E-4

HT12-COPD



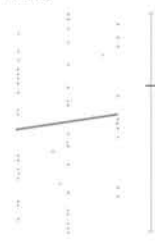
GG (75) GA (221) AA (157)
Corr: 0.194 R2: 0.038
Z-Score: 4.16 P-Value: 3.19E-5

HT12-ALS



GG (53) GA (158) AA (113)
Corr: 0.15 R2: 0.022
Z-Score: 2.698 P-Value: 0.007

HT12-UC



GG (18) GA (20) AA (11)
Corr: 0.087 R2: 0.008
Z-Score: 0.593 P-Value: 0.553

HBv2-Controls

eQTL not available
Probe not present.

HBv2-ColicDisease

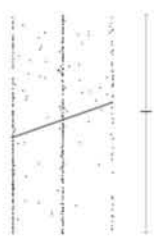
eQTL not available
Probe not present.

HBv2-ALS

eQTL not available
Probe not present.

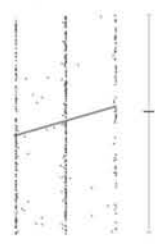
SNP rs11171739 (chr. 12, 54756892 bp)
Probe 6060630 (chr. 17, 3853296 - 3859167 bp), KR119
P-Value 1.13E-9

HT12-Controls



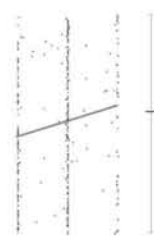
TT (158) TC (196) CC (62)
Corr: 0.185 R2: 0.034
Z-Score: 3.795 P-Value: 1.47E-4

HT12-COPD



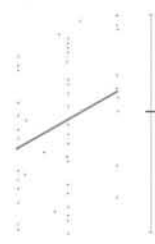
TT (153) TC (225) CC (75)
Corr: 0.155 R2: 0.024
Z-Score: 3.313 P-Value: 9.21E-4

HT12-ALS



TT (102) TC (174) CC (48)
Corr: 0.18 R2: 0.026
Z-Score: 2.864 P-Value: 0.004

HT12-UC



TT (18) TC (24) CC (9)
Corr: 0.307 R2: 0.094
Z-Score: 2.144 P-Value: 0.032

HBv2-Controls

eQTL not available
Probe not present.

HBv2-ColicDisease

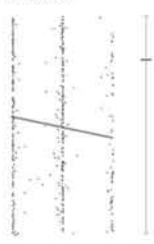
eQTL not available
Probe not present.

HBv2-ALS

eQTL not available
Probe not present.

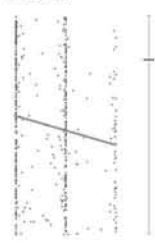
SNP rs12485738 (chr. 3, 56840816 bp)
Probe 7550343 (chr. 1, 171712109 - 171725569 bp), PRDX6
P-Value 8.29E-10

HT12-Controls



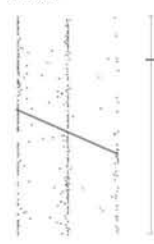
GG (153) GA (194) AA (67)
Corr: -0.115 R2: 0.013
Z-Score: 2.333 P-Value: 0.02

HT12-COPD



GG (202) GA (205) AA (51)
Corr: -0.147 R2: 0.022
Z-Score: 3.144 P-Value: 0.002

HT12-ALS



GG (132) GA (148) AA (44)
Corr: -0.228 R2: 0.052
Z-Score: 4.14 P-Value: 3.48E-5

HT12-UC



GG (24) GA (22) AA (7)
Corr: -0.239 R2: 0.057
Z-Score: 1.653 P-Value: 0.098

HBv2-Controls



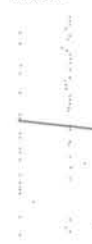
GG (28) GA (21) AA (10)
Corr: -0.132 R2: 0.018
Z-Score: 1 P-Value: 0.317

HBv2-ColicDisease



GG (41) GA (57) AA (13)
Corr: -0.217 R2: 0.047
Z-Score: 2.288 P-Value: 0.022

HBv2-ALS



GG (20) GA (32) AA (7)
Corr: -0.052 R2: 0.003
Z-Score: 0.391 P-Value: 0.696

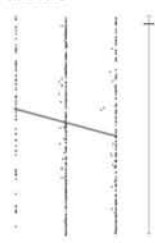
SNP rs12718587 (chr. 7, 53255922 bp)
Probe 1450068 (chr. 11, 60781534 - 6060394 bp), VWCE
P-Value 7.62E-10

HT12-Controls



AA (94) AC (197) CC (153)
Corr: -0.145 R2: 0.021
Z-Score: 2.952 P-Value: 0.003

HT12-COPD



AA (88) AC (226) CC (159)
Corr: -0.144 R2: 0.021
Z-Score: 3.068 P-Value: 0.002

HT12-ALS



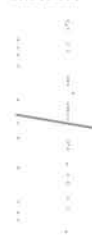
AA (56) AC (103) CC (105)
Corr: -0.196 R2: 0.039
Z-Score: 3.554 P-Value: 3.79E-4

HT12-UC



AA (7) AC (23) CC (19)
Corr: -0.06 R2: 0.004
Z-Score: 0.412 P-Value: 0.681

HBv2-Controls



AA (11) AC (25) CC (25)
Corr: -0.102 R2: 0.01
Z-Score: 0.77 P-Value: 0.441

HBv2-ColicDisease



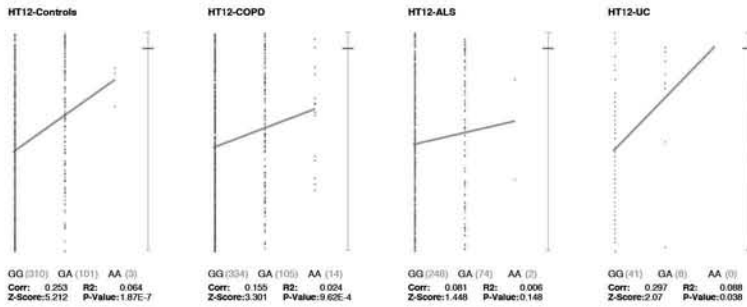
AA (11) AC (53) CC (47)
Corr: -0.211 R2: 0.044
Z-Score: 2.22 P-Value: 0.026

HBv2-ALS



AA (9) AC (35) CC (15)
Corr: -0.242 R2: 0.058
Z-Score: 1.845 P-Value: 0.065

SNP rs3131379 (chr. 6, 31829012 bp)
Probe 1110300 (chr. 4, 153765727 - 153821641 bp), TMEM154
P-Value: 6.79E-10

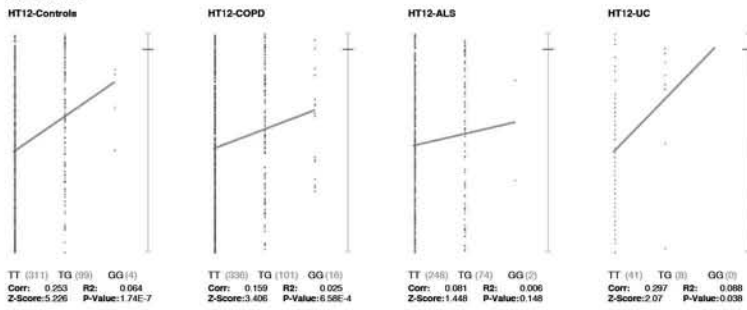


HBv2-Controls
eQTL not available
Probe not present.

HBv2-ColicDisease
eQTL not available
Probe not present.

HBv2-ALS
eQTL not available
Probe not present.

SNP rs3117282 (chr. 6, 31728499 bp)
Probe 1110300 (chr. 4, 153765727 - 153821641 bp), TMEM154
P-Value: 4.89E-10

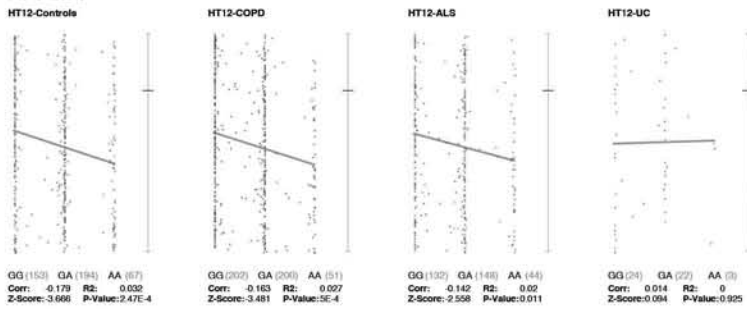


HBv2-Controls
eQTL not available
Probe not present.

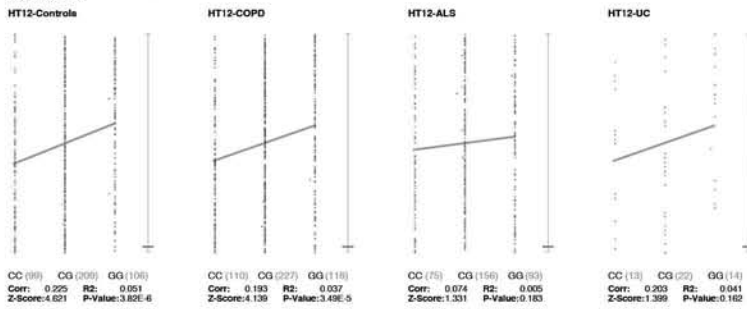
HBv2-ColicDisease
eQTL not available
Probe not present.

HBv2-ALS
eQTL not available
Probe not present.

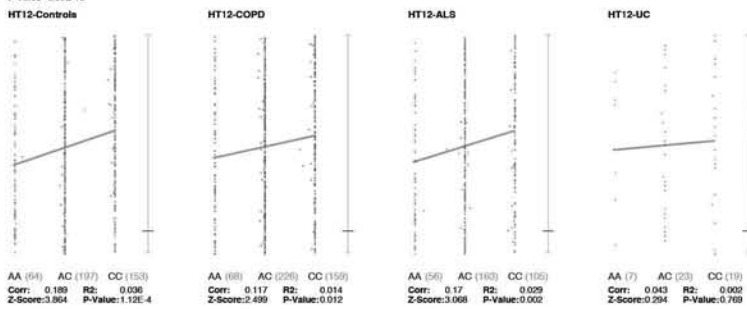
SNP rs12485738 (chr. 3, 56840616 bp)
Probe 6260747 (chr. 11, 124117765 - 124125826 bp), NFGN/VSIG2
P-Value: 4.85E-10



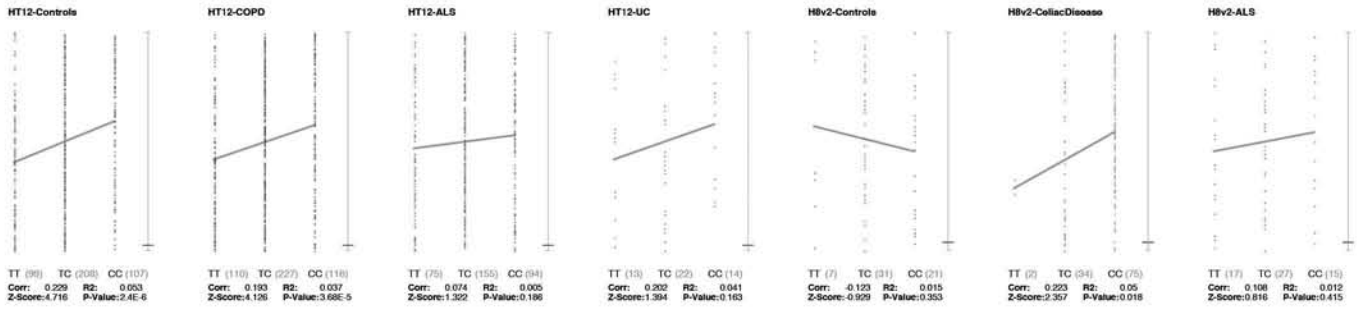
SNP rs6457620 (chr. 6, 32771977 bp)
Probe 2940424 (chr. 7, 36518135 - 36731595 bp), AOH1
P-Value: 3.84E-10



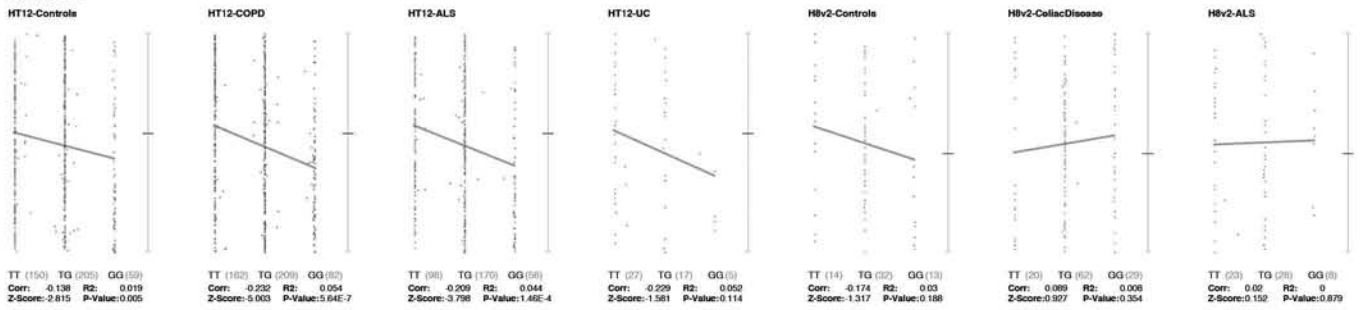
SNP rs12718587 (chr. 7, 53325922 bp)
Probe 6270373 (chr. 6, 13896000 - 13923788 bp), CCDC90A
P-Value: 3.33E-10



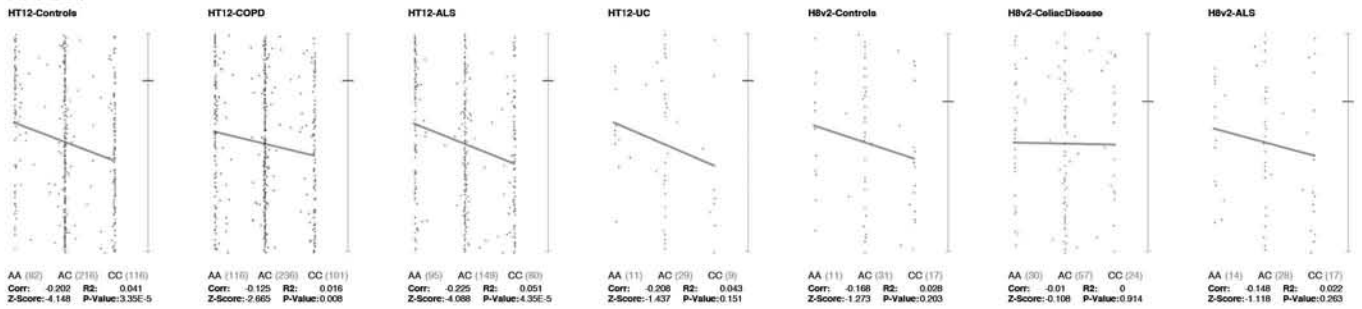
SNP rs6457617 (chr. 6, 32771829 bp)
 Probe 2940424 (chr. 7, 36518135 - 36731595 bp), AOH1
 P-Value 3.02E-10



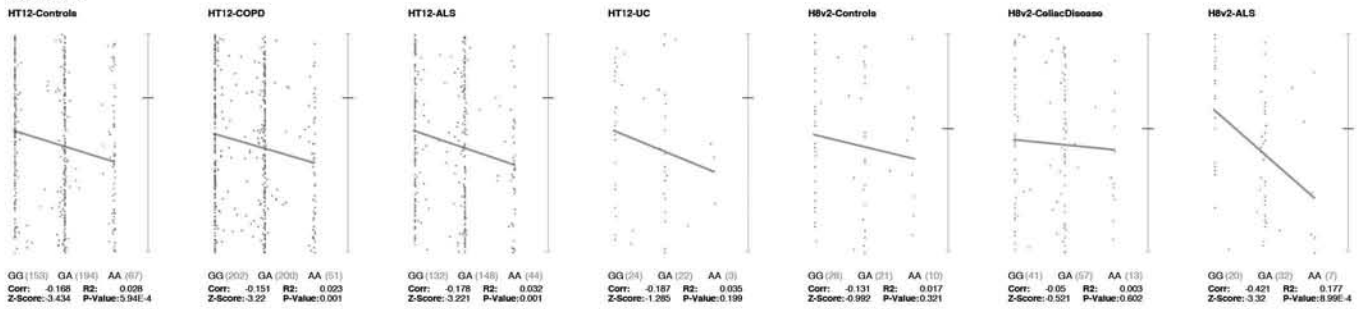
SNP rs2517713 (chr. 6, 30092078 bp)
 Probe 5609500 (chr. 13, 76352630 - 76359081 bp), KC1D12
 P-Value 2.74E-10



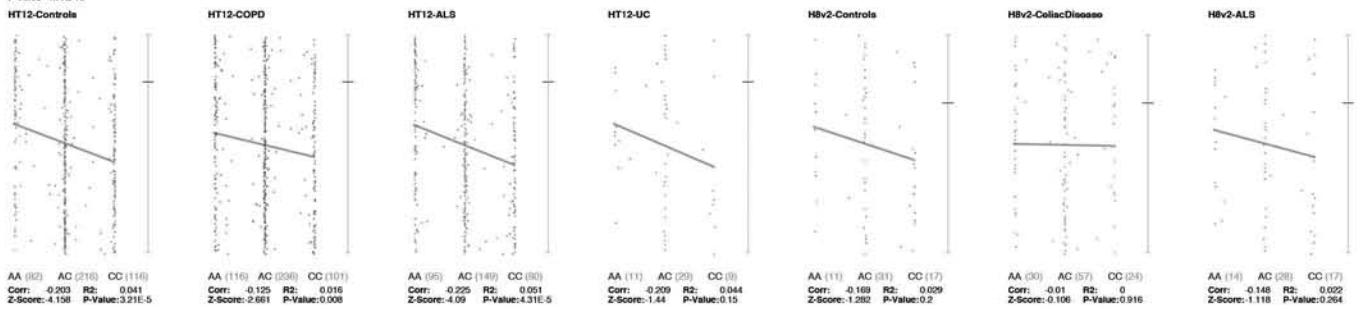
SNP rs628751 (chr. 6, 13688112 bp)
 Probe 5270146 (chr. 14, 68923614 - 68923614 bp), -
 P-Value 1.94E-10



SNP rs12485738 (chr. 3, 56840816 bp)
 Probe 1050006 (chr. 4, 91018706 - 91059803 bp), MMR1
 P-Value 1.95E-10

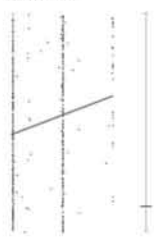


SNP rs643381 (chr. 6, 13688116 bp)
 Probe 3270146 (chr. 14, 68923614 - 68923614 bp), -
 P-Value 1.77E-10



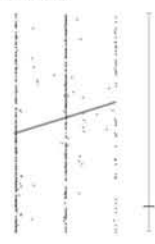
SNP rs9264942 (chr. 6, 31382359 bp)
Probe 4250458 (chr. 11, 65377864 - 65383360 bp), CFL1
P-Value 1.23E-10

HT12-Controls



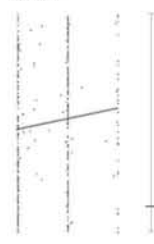
TT (201) TC (197) CC (26)
Corr: 0.181 R2: 0.033
Z-Score:3.703 P-Value:2.13E-4

HT12-COPD



TT (202) TC (202) CC (49)
Corr: 0.164 R2: 0.027
Z-Score:3.515 P-Value:4.39E-4

HT12-ALS



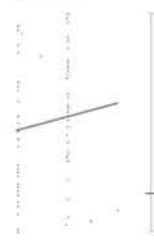
TT (148) TC (145) CC (31)
Corr: 0.105 R2: 0.011
Z-Score:1.887 P-Value:0.059

HT12-UC



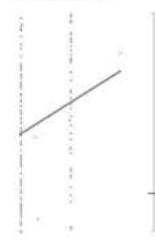
TT (21) TC (25) CC (3)
Corr: 0.175 R2: 0.03
Z-Score:1.2 P-Value:0.23

HBv2-Controls



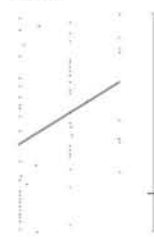
TT (78) TC (30) CC (1)
Corr: 0.113 R2: 0.013
Z-Score:0.852 P-Value:0.394

HBv2-ColiacDisease



TT (71) TC (38) CC (1)
Corr: 0.25 R2: 0.062
Z-Score:2.648 P-Value:0.008

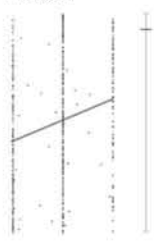
HBv2-ALS



TT (28) TC (20) CC (6)
Corr: 0.335 R2: 0.112
Z-Score:2.584 P-Value:0.009

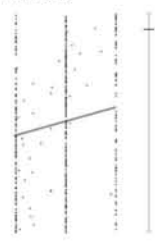
SNP rs227139 (chr. 6, 32521437 bp)
Probe 1110300 (chr. 4, 153765727 - 153821641 bp), TMEM154
P-Value 1.06E-10

HT12-Controls



AA (133) AG (196) GG (85)
Corr: 0.234 R2: 0.055
Z-Score:4.808 P-Value:1.53E-6

HT12-COPD



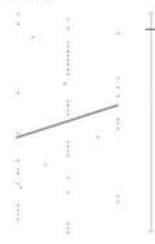
AA (145) AG (217) GG (91)
Corr: 0.16 R2: 0.025
Z-Score:3.41 P-Value:6.5E-4

HT12-ALS



AA (106) AG (154) GG (64)
Corr: 0.149 R2: 0.022
Z-Score:2.683 P-Value:0.007

HT12-UC



AA (14) AG (25) GG (10)
Corr: 0.174 R2: 0.03
Z-Score:1.192 P-Value:0.233

HBv2-Controls

eQTL not available
Probe not present.

HBv2-ColiacDisease

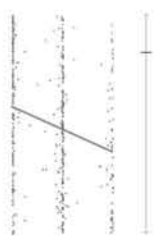
eQTL not available
Probe not present.

HBv2-ALS

eQTL not available
Probe not present.

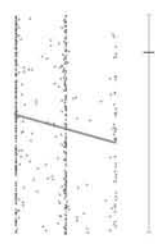
SNP rs12485738 (chr. 3, 56842616 bp)
Probe 5900682 (chr. 15, 62818150 - 62855839 bp), RFPMS2
P-Value 8.81E-11

HT12-Controls



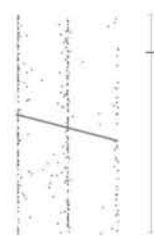
GG (153) GA (194) AA (67)
Corr: -0.241 R2: 0.058
Z-Score:-4.993 P-Value:6.96E-7

HT12-COPD



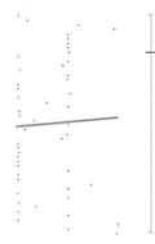
GG (202) GA (205) AA (51)
Corr: -0.143 R2: 0.021
Z-Score:-3.056 P-Value:0.002

HT12-ALS



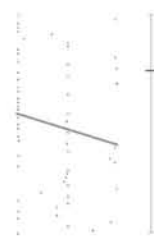
GG (132) GA (148) AA (44)
Corr: -0.136 R2: 0.019
Z-Score:-2.455 P-Value:0.014

HT12-UC



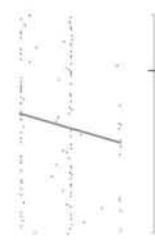
GG (24) GA (22) AA (3)
Corr: 0.045 R2: 0.002
Z-Score:0.306 P-Value:0.759

HBv2-Controls



GG (28) GA (21) AA (10)
Corr: -0.17 R2: 0.029
Z-Score:-1.29 P-Value:0.197

HBv2-ColiacDisease



GG (41) GA (57) AA (13)
Corr: -0.144 R2: 0.021
Z-Score:-1.512 P-Value:0.131

HBv2-ALS



GG (20) GA (22) AA (7)
Corr: 0.255 R2: 0.065
Z-Score:-1.953 P-Value:0.051

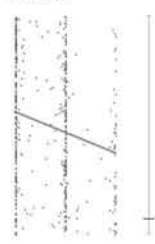
SNP rs12485738 (chr. 3, 56842616 bp)
Probe 630470 (chr. 19, 43405644 - 43468486 bp), C19orf33
P-Value 8.14E-11

HT12-Controls



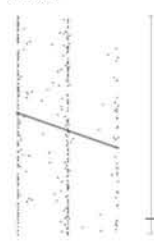
GG (153) GA (194) AA (67)
Corr: -0.12 R2: 0.014
Z-Score:-2.451 P-Value:0.014

HT12-COPD



GG (202) GA (205) AA (51)
Corr: -0.211 R2: 0.045
Z-Score:-4.531 P-Value:5.87E-6

HT12-ALS



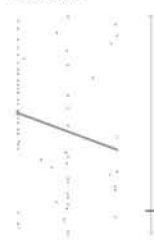
GG (132) GA (148) AA (44)
Corr: -0.185 R2: 0.034
Z-Score:-3.348 P-Value:8.12E-4

HT12-UC



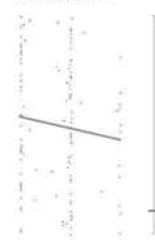
GG (24) GA (22) AA (3)
Corr: -0.17 R2: 0.029
Z-Score:-1.166 P-Value:0.243

HBv2-Controls



GG (28) GA (21) AA (10)
Corr: -0.206 R2: 0.042
Z-Score:-1.566 P-Value:0.117

HBv2-ColiacDisease



GG (41) GA (57) AA (13)
Corr: -0.112 R2: 0.013
Z-Score:-1.17 P-Value:0.242

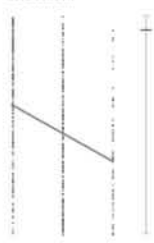
HBv2-ALS



GG (20) GA (22) AA (7)
Corr: -0.175 R2: 0.031
Z-Score:-1.328 P-Value:0.184

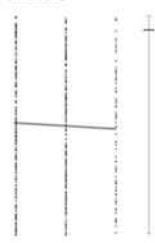
SNP rs259919 (chr. 6, 30133452 bp)
Probe 5060577 (chr. 20, 61958531 - 61994332 bp), TP05212
P-Value 7.92E-11

HT12-Controls



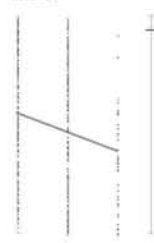
GG (168) GA (192) AA (55)
Corr: -0.301 R2: 0.091
Z-Score:6.248 P-Value:4.14E-10

HT12-COPD



GG (189) GA (192) AA (72)
Corr: -0.031 R2: 0.001
Z-Score:0.663 P-Value:0.507

HT12-ALS



GG (145) GA (143) AA (38)
Corr: -0.198 R2: 0.039
Z-Score:-3.564 P-Value:3.39E-4

HT12-UC



GG (27) GA (20) AA (2)
Corr: -0.459 R2: 0.21
Z-Score:3.314 P-Value:9.18E-4

HBv2-Controls

eQTL not available
Probe not present.

HBv2-ColiacDisease

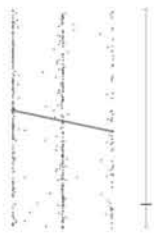
eQTL not available
Probe not present.

HBv2-ALS

eQTL not available
Probe not present.

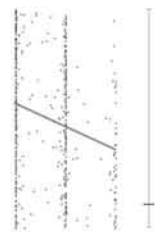
SNP rs1245738 (chr. 3, 56840616 bp)
Probe IS30474 (chr. 11, 825298 - 831691 bp), CD151@POLR2L
P-Value: 7.53E-11

HT12-Controls



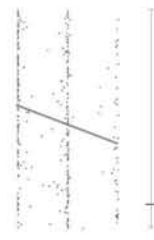
GG (153) GA (194) AA (67)
Corr: -0.115 R2: 0.013
Z-Score: 2.34 P-Value: 5.01E-4

HT12-COPD



GG (202) GA (200) AA (51)
Corr: -0.234 R2: 0.055
Z-Score: 5.044 P-Value: 4.59E-7

HT12-ALS



GG (132) GA (148) AA (44)
Corr: 0.2 R2: 0.04
Z-Score: 3.626 P-Value: 2.88E-4

HT12-UC



GG (24) GA (22) AA (3)
Corr: 0.191 R2: 0.036
Z-Score: 1.314 P-Value: 0.189

HBv2-Controls

eQTL not available
Probe not present.

HBv2-ColicDisease

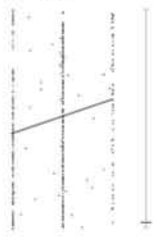
eQTL not available
Probe not present.

HBv2-ALS

eQTL not available
Probe not present.

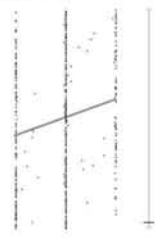
SNP rs9272346 (chr. 6, 32712350 bp)
Probe 2940424 (chr. 7, 36518135 - 36731995 bp), AOH1
P-Value: 5.09E-11

HT12-Controls



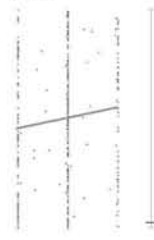
AA (130) AG (214) GG (70)
Corr: 0.182 R2: 0.033
Z-Score: 3.727 P-Value: 1.94E-4

HT12-COPD



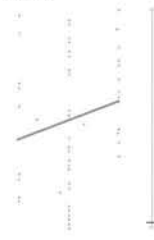
AA (134) AG (235) GG (84)
Corr: 0.193 R2: 0.037
Z-Score: 4.133 P-Value: 3.58E-5

HT12-ALS



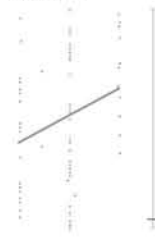
AA (97) AG (165) GG (62)
Corr: 0.111 R2: 0.012
Z-Score: 1.996 P-Value: 0.046

HT12-UC



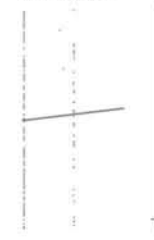
AA (10) AG (20) GG (13)
Corr: 0.2 R2: 0.04
Z-Score: 1.376 P-Value: 0.169

HBv2-Controls



AA (20) AG (20) GG (11)
Corr: 0.288 R2: 0.083
Z-Score: 2.216 P-Value: 0.027

HBv2-ColicDisease



AA (79) AG (32) GG (2)
Corr: 0.042 R2: 0.002
Z-Score: 0.434 P-Value: 0.664

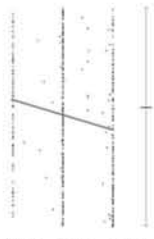
HBv2-ALS



AA (24) AG (23) GG (12)
Corr: 0.349 R2: 0.122
Z-Score: 2.706 P-Value: 0.007

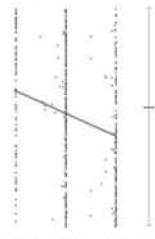
SNP rs2523363 (chr. 6, 29613638 bp)
Probe 5060500 (chr. 13, 76326200 - 76390061 bp), KC1D12
P-Value: 4.7E-11

HT12-Controls



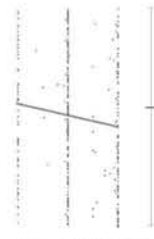
GG (72) GA (196) AA (148)
Corr: -0.184 R2: 0.027
Z-Score: 3.351 P-Value: 8.04E-4

HT12-COPD



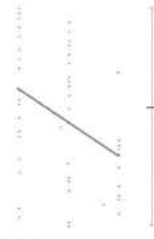
GG (75) GA (221) AA (157)
Corr: -0.246 R2: 0.061
Z-Score: 5.311 P-Value: 1.09E-7

HT12-ALS



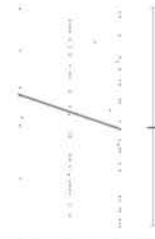
GG (50) GA (158) AA (113)
Corr: -0.129 R2: 0.015
Z-Score: 2.222 P-Value: 0.026

HT12-UC



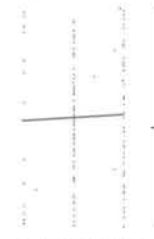
GG (18) GA (20) AA (11)
Corr: -0.388 R2: 0.15
Z-Score: 2.754 P-Value: 0.006

HBv2-Controls



GG (7) GA (25) AA (27)
Corr: -0.177 R2: 0.031
Z-Score: 1.343 P-Value: 0.179

HBv2-ColicDisease



GG (14) GA (54) AA (43)
Corr: 0.031 R2: 0.001
Z-Score: 0.321 P-Value: 0.748

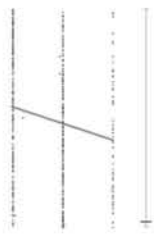
HBv2-ALS



GG (12) GA (32) AA (15)
Corr: 0.089 R2: 0.008
Z-Score: 0.607 P-Value: 0.505

SNP rs9268645 (chr. 6, 32516505 bp)
Probe 2940424 (chr. 7, 36518135 - 36731995 bp), AOH1
P-Value: 5.13E-11

HT12-Controls



CC (172) CG (187) GG (55)
Corr: -0.178 R2: 0.032
Z-Score: 3.648 P-Value: 2.67E-4

HT12-COPD



CC (194) CG (117) GG (62)
Corr: -0.176 R2: 0.031
Z-Score: 3.768 P-Value: 1.65E-4

HT12-ALS



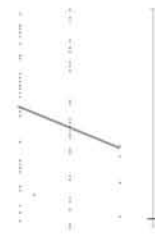
CC (159) CG (140) GG (45)
Corr: -0.161 R2: 0.026
Z-Score: 2.911 P-Value: 0.004

HT12-UC



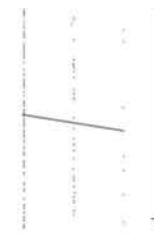
CC (20) CG (25) GG (4)
Corr: -0.315 R2: 0.099
Z-Score: 2.202 P-Value: 0.028

HBv2-Controls



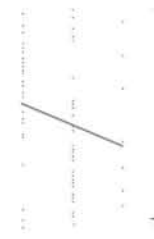
CC (29) CG (25) GG (4)
Corr: -0.197 R2: 0.039
Z-Score: 1.499 P-Value: 0.134

HBv2-ColicDisease



CC (73) CG (31) GG (7)
Corr: -0.076 R2: 0.006
Z-Score: 0.792 P-Value: 0.428

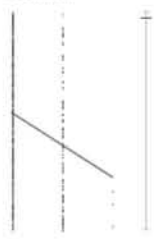
HBv2-ALS



CC (24) CG (28) GG (7)
Corr: -0.218 R2: 0.048
Z-Score: 1.66 P-Value: 0.097

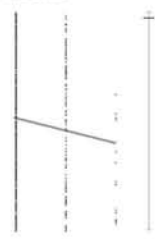
SNP rs1313179 (chr. 6, 31820012 bp)
Probe 6390347 (chr. 22, 40340241 - 40390980 bp), KPC6
P-Value: 2.72E-11

HT12-Controls



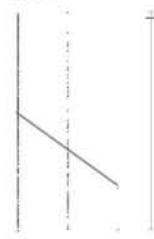
GG (210) GA (101) AA (8)
Corr: -0.231 R2: 0.053
Z-Score: 4.754 P-Value: 1.99E-6

HT12-COPD



GG (234) GA (105) AA (14)
Corr: -0.104 R2: 0.011
Z-Score: 2.214 P-Value: 0.027

HT12-ALS



GG (248) GA (74) AA (2)
Corr: 0.251 R2: 0.063
Z-Score: 4.577 P-Value: 4.72E-6

HT12-UC



GG (41) GA (8) AA (8)
Corr: -0.176 R2: 0.031
Z-Score: 1.208 P-Value: 0.227

HBv2-Controls

eQTL not available
Probe not present.

HBv2-ColicDisease

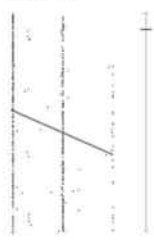
eQTL not available
Probe not present.

HBv2-ALS

eQTL not available
Probe not present.

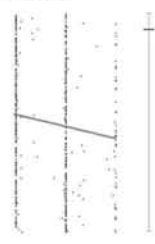
SNP rs9264942 (chr. 6, 31382359 bp)
Probe 1110300 (chr. 4, 153765727 - 153821641 bp), TMEM154
P-Value 2.59E-11

HT12-Controls



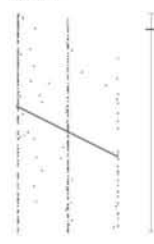
TT (201) TC (197) CC (26)
Corr: -0.209 R2: 0.044
Z-Score: -4.293 P-Value: 1.76E-5

HT12-COPD



TT (202) TC (202) CC (49)
Corr: -0.124 R2: 0.015
Z-Score: -2.649 P-Value: 0.038

HT12-ALS



TT (148) TC (145) CC (31)
Corr: -0.247 R2: 0.061
Z-Score: -4.504 P-Value: 6.66E-6

HT12-UC



TT (21) TC (25) CC (3)
Corr: -0.215 R2: 0.046
Z-Score: -1.487 P-Value: 0.137

HBv2-Controls

eQTL not available
Probe not present.

HBv2-ColicDisease

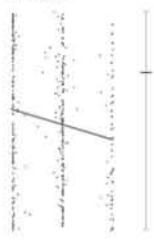
eQTL not available
Probe not present.

HBv2-ALS

eQTL not available
Probe not present.

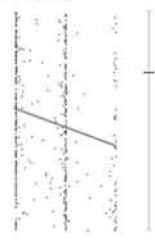
SNP rs12485738 (chr. 3, 56942616 bp)
Probe 8560388 (chr. 2, 73781171 - 73781171 bp),
P-Value 2.54E-11

HT12-Controls



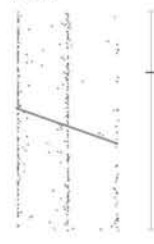
GG (153) GA (194) AA (67)
Corr: -0.164 R2: 0.027
Z-Score: -3.348 P-Value: 5.2E-4

HT12-COPD



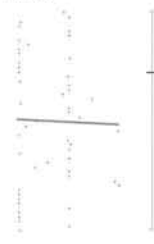
GG (202) GA (200) AA (51)
Corr: -0.189 R2: 0.036
Z-Score: -4.653 P-Value: 5.05E-5

HT12-ALS



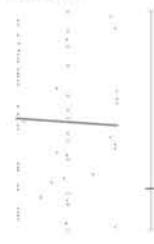
GG (132) GA (148) AA (44)
Corr: -0.183 R2: 0.033
Z-Score: -3.302 P-Value: 9.6E-4

HT12-UC



GG (24) GA (22) AA (3)
Corr: -0.02 R2: 0
Z-Score: -0.136 P-Value: 0.892

HBv2-Controls



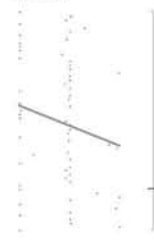
GG (88) GA (21) AA (10)
Corr: -0.036 R2: 0.001
Z-Score: -0.274 P-Value: 0.784

HBv2-ColicDisease



GG (41) GA (57) AA (10)
Corr: -0.249 R2: 0.062
Z-Score: -2.636 P-Value: 0.008

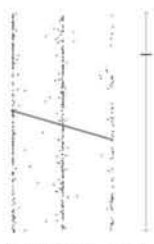
HBv2-ALS



GG (20) GA (32) AA (7)
Corr: -0.189 R2: 0.036
Z-Score: -1.437 P-Value: 0.151

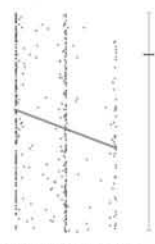
SNP rs12485738 (chr. 3, 56942616 bp)
Probe 4800600 (chr. 6, 43001464 - 43001464 bp),
P-Value 1.6E-11

HT12-Controls



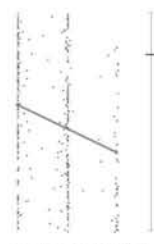
GG (153) GA (194) AA (67)
Corr: -0.154 R2: 0.024
Z-Score: -3.141 P-Value: 0.002

HT12-COPD



GG (202) GA (200) AA (51)
Corr: -0.195 R2: 0.038
Z-Score: -4.164 P-Value: 2.66E-5

HT12-ALS



GG (132) GA (148) AA (44)
Corr: -0.252 R2: 0.063
Z-Score: -4.587 P-Value: 4.49E-6

HT12-UC



GG (24) GA (22) AA (3)
Corr: -0.036 R2: 0.001
Z-Score: -0.247 P-Value: 0.805

HBv2-Controls

eQTL not available
Probe not present.

HBv2-ColicDisease

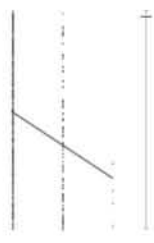
eQTL not available
Probe not present.

HBv2-ALS

eQTL not available
Probe not present.

SNP rs3117582 (chr. 6, 31728499 bp)
Probe 6380347 (chr. 25, 40348241 - 40390996 bp), XPOC6
P-Value 1.52E-11

HT12-Controls



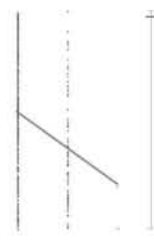
TT (311) TG (89) GG (4)
Corr: -0.239 R2: 0.057
Z-Score: -4.913 P-Value: 6.96E-7

HT12-COPD



TT (338) TG (101) GG (16)
Corr: -0.103 R2: 0.011
Z-Score: -2.19 P-Value: 0.029

HT12-ALS



TT (248) TG (74) GG (2)
Corr: -0.251 R2: 0.063
Z-Score: -4.577 P-Value: 4.72E-6

HT12-UC



TT (41) TG (8) GG (3)
Corr: -0.178 R2: 0.031
Z-Score: -1.208 P-Value: 0.227

HBv2-Controls

eQTL not available
Probe not present.

HBv2-ColicDisease

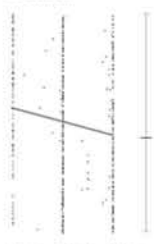
eQTL not available
Probe not present.

HBv2-ALS

eQTL not available
Probe not present.

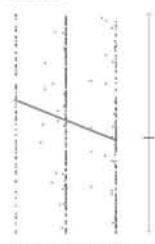
SNP rs2523303 (chr. 6, 29813638 bp)
Probe 8960017 (chr. 4, 109229903 - 109304132 bp), LEF1
P-Value 1.36E-11

HT12-Controls



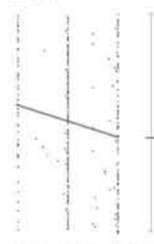
GG (72) GA (196) AA (146)
Corr: -0.146 R2: 0.021
Z-Score: -2.968 P-Value: 0.003

HT12-COPD



GG (75) GA (221) AA (157)
Corr: -0.218 R2: 0.048
Z-Score: -4.692 P-Value: 2.71E-6

HT12-ALS



GG (53) GA (158) AA (113)
Corr: -0.173 R2: 0.03
Z-Score: -3.126 P-Value: 0.002

HT12-UC



GG (18) GA (20) AA (11)
Corr: -0.43 R2: 0.185
Z-Score: -3.063 P-Value: 0.002

HBv2-Controls

eQTL not available
Probe not present.

HBv2-ColicDisease

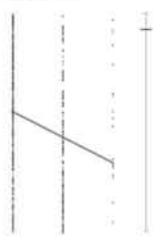
eQTL not available
Probe not present.

HBv2-ALS

eQTL not available
Probe not present.

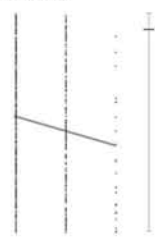
SNP rs13437002 (chr. 6, 31462539 bp)
Probe 1110300 (chr. 4, 153765727 - 153821641 bp), TMEM154
P-Value: 1.29E-11

HT12-Controls



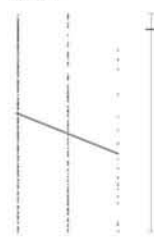
CC (248) CT (140) TT (17)
Corr: -0.232 R2: 0.054
Z-Score: -4.772 P-Value: 1.82E-6

HT12-COPD



CC (260) CT (180) TT (24)
Corr: -0.137 R2: 0.019
Z-Score: -2.926 P-Value: 0.003

HT12-ALS



CC (188) CT (112) TT (23)
Corr: -0.198 R2: 0.039
Z-Score: -3.592 P-Value: 3.28E-4

HT12-UC



CC (22) CT (33) TT (4)
Corr: -0.301 R2: 0.09
Z-Score: -2.098 P-Value: 0.036

HBv2-Controls

eQTL not available
Probe not present.

HBv2-CeliacDisease

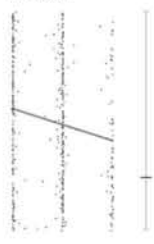
eQTL not available
Probe not present.

HBv2-ALS

eQTL not available
Probe not present.

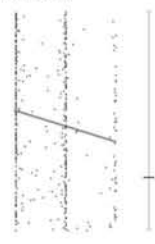
SNP rs12485738 (chr. 3, 56840816 bp)
Probe 1580025 (chr. 7, 93387952 - 93394760 bp), GNG11
P-Value: 1.19E-11

HT12-Controls



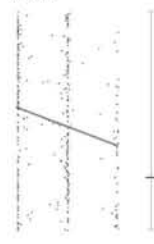
GG (153) GA (194) AA (67)
Corr: -0.175 R2: 0.03
Z-Score: -3.589 P-Value: 3.58E-4

HT12-COPD



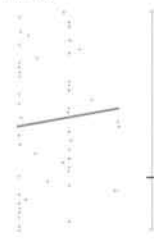
GG (202) GA (200) AA (51)
Corr: -0.156 R2: 0.024
Z-Score: -3.328 P-Value: 8.74E-4

HT12-ALS



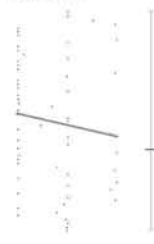
GG (132) GA (148) AA (44)
Corr: -0.156 R2: 0.039
Z-Score: -3.556 P-Value: 3.74E-4

HT12-UC



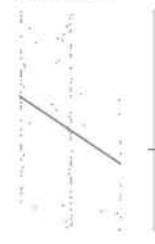
GG (24) GA (22) AA (3)
Corr: -0.085 R2: 0.007
Z-Score: -0.582 P-Value: 0.561

HBv2-Controls



GG (28) GA (21) AA (10)
Corr: -0.128 R2: 0.016
Z-Score: -0.985 P-Value: 0.325

HBv2-CeliacDisease



GG (41) GA (57) AA (10)
Corr: -0.33 R2: 0.109
Z-Score: -3.533 P-Value: 4.12E-4

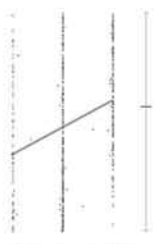
HBv2-ALS



GG (20) GA (32) AA (7)
Corr: -0.204 R2: 0.042
Z-Score: -1.352 P-Value: 0.121

SNP rs9298877 (chr. 6, 32539125 bp)
Probe 1000739 (chr. 2, 108570199 - 108671134 bp), LIMS1
P-Value: 1.02E-11

HT12-Controls



AA (61) AG (212) GG (141)
Corr: 0.287 R2: 0.082
Z-Score: 5.948 P-Value: 2.71E-9

HT12-COPD



AA (61) AG (214) GG (148)
Corr: 0.109 R2: 0.012
Z-Score: 2.321 P-Value: 0.02

HT12-ALS



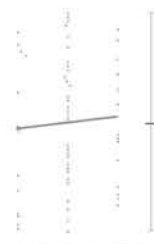
AA (50) AG (179) GG (95)
Corr: 0.256 R2: 0.066
Z-Score: 4.688 P-Value: 3.04E-6

HT12-UC



AA (18) AG (25) GG (8)
Corr: -0.009 R2: 0
Z-Score: -0.061 P-Value: 0.951

HBv2-Controls



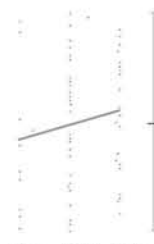
AA (13) AG (32) GG (14)
Corr: 0.064 R2: 0.004
Z-Score: 0.48 P-Value: 0.631

HBv2-CeliacDisease



AA (1) AG (42) GG (88)
Corr: -0.054 R2: 0.003
Z-Score: -0.563 P-Value: 0.573

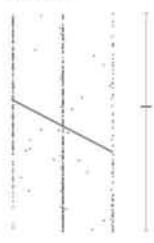
HBv2-ALS



AA (10) AG (28) GG (21)
Corr: 0.155 R2: 0.024
Z-Score: 1.171 P-Value: 0.241

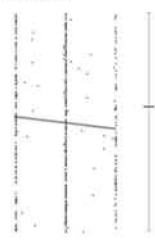
SNP rs9272546 (chr. 6, 32712350 bp)
Probe 1000739 (chr. 2, 108570199 - 108671134 bp), LIMS1
P-Value: 1.01E-11

HT12-Controls



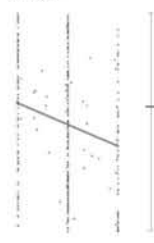
AA (130) AG (214) GG (70)
Corr: -0.278 R2: 0.078
Z-Score: -5.763 P-Value: 8.25E-9

HT12-COPD



AA (184) AG (235) GG (84)
Corr: -0.068 R2: 0.005
Z-Score: -1.439 P-Value: 0.15

HT12-ALS



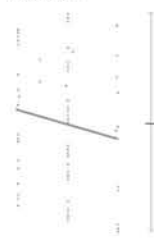
AA (97) AG (165) GG (62)
Corr: -0.232 R2: 0.054
Z-Score: -4.225 P-Value: 2.39E-5

HT12-UC



AA (10) AG (20) GG (13)
Corr: -0.151 R2: 0.023
Z-Score: -1.033 P-Value: 0.301

HBv2-Controls



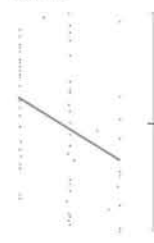
AA (20) AG (28) GG (11)
Corr: -0.159 R2: 0.025
Z-Score: -1.203 P-Value: 0.229

HBv2-CeliacDisease



AA (79) AG (32) GG (0)
Corr: 0.003 R2: 0
Z-Score: 0.028 P-Value: 0.978

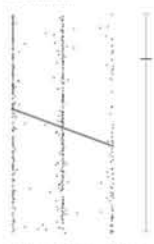
HBv2-ALS



AA (24) AG (29) GG (13)
Corr: -0.351 R2: 0.123
Z-Score: 2.727 P-Value: 0.006

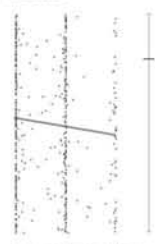
SNP rs12485738 (chr. 3, 56840816 bp)
Probe 2230563 (chr. 4, 75070622 - 75073764 bp), PPBP
P-Value: 6.43E-12

HT12-Controls



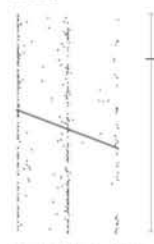
GG (153) GA (194) AA (67)
Corr: -0.202 R2: 0.041
Z-Score: -4.15 P-Value: 3.32E-5

HT12-COPD



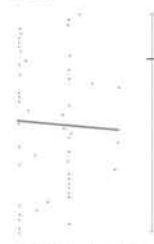
GG (202) GA (200) AA (51)
Corr: -0.088 R2: 0.007
Z-Score: -1.823 P-Value: 0.068

HT12-ALS



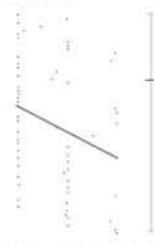
GG (132) GA (148) AA (44)
Corr: 0.2 R2: 0.04
Z-Score: 3.614 P-Value: 3.01E-4

HT12-UC



GG (24) GA (22) AA (3)
Corr: -0.045 R2: 0.002
Z-Score: -0.306 P-Value: 0.76

HBv2-Controls



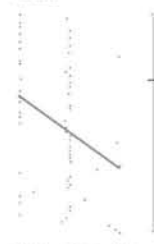
GG (28) GA (21) AA (10)
Corr: -0.285 R2: 0.081
Z-Score: -2.188 P-Value: 0.029

HBv2-CeliacDisease



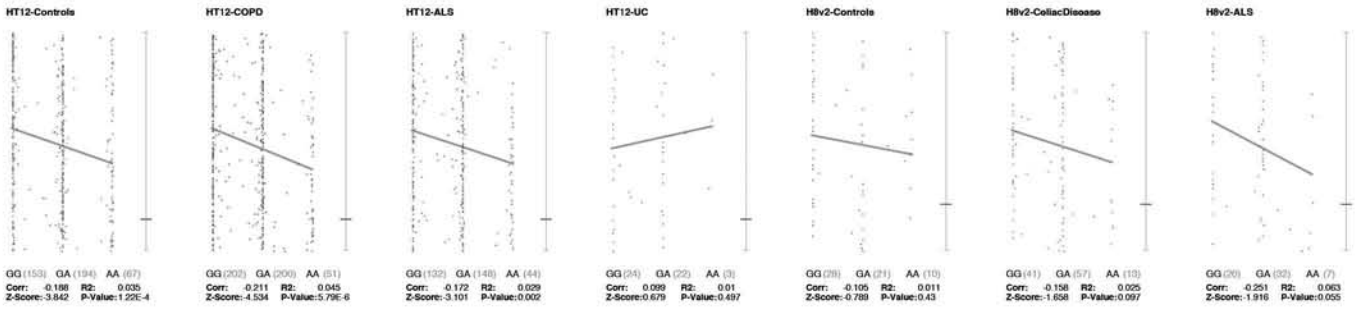
GG (41) GA (57) AA (10)
Corr: -0.314 R2: 0.099
Z-Score: -3.356 P-Value: 7.91E-4

HBv2-ALS

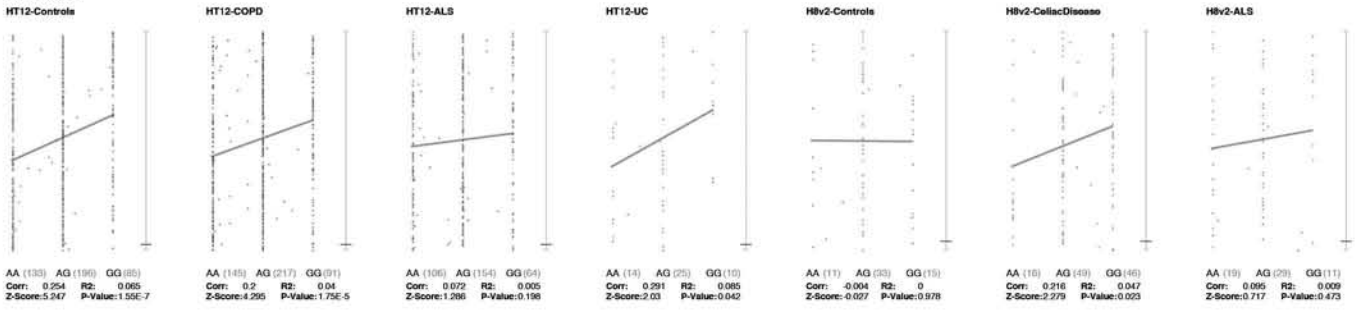


GG (20) GA (32) AA (7)
Corr: -0.346 R2: 0.12
Z-Score: -2.688 P-Value: 0.007

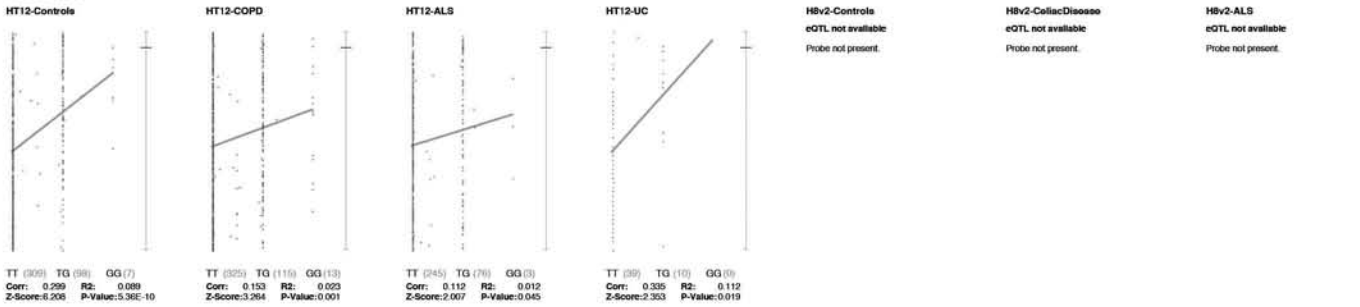
SNP rs12485738 (chr. 3, 56840616 bp)
Probe 1770170 (chr. 3, 37877673 - 38001964 bp), CTDSPL
P-Value 5.51E-12



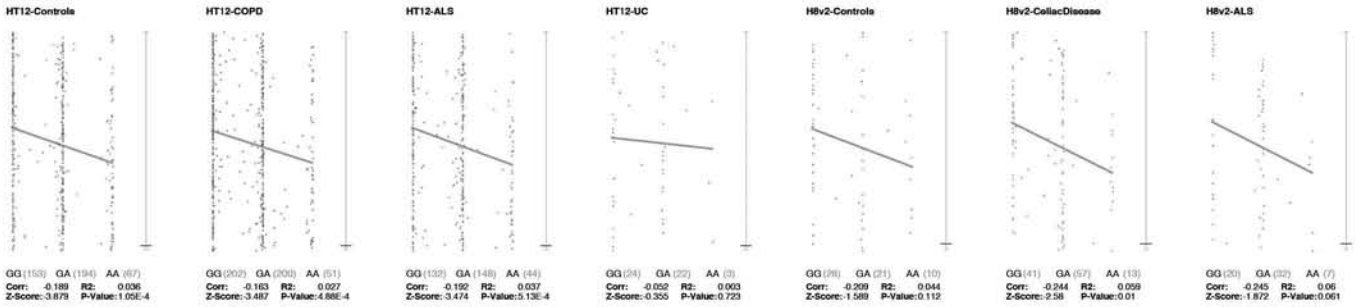
SNP rs227139 (chr. 6, 32521437 bp)
Probe 2940424 (chr. 7, 36518135 - 36731956 bp), AOH1
P-Value 5.08E-12



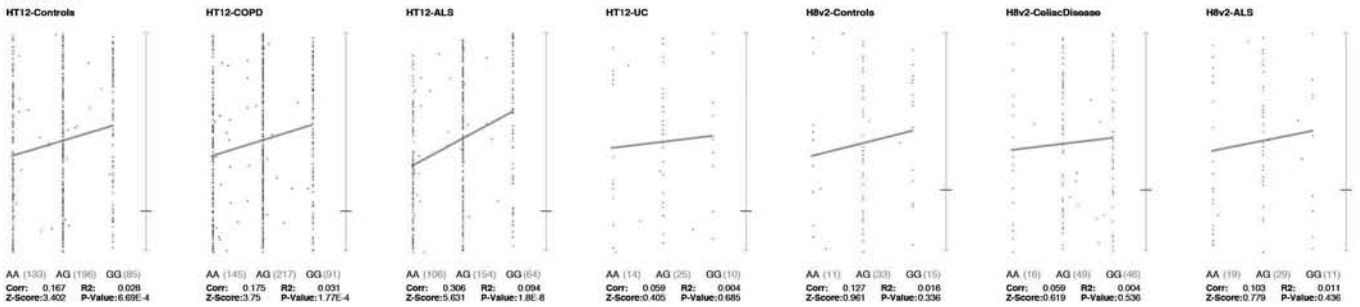
SNP rs134792 (chr. 6, 3142000 bp)
Probe 1110300 (chr. 4, 19376727 - 19382164 bp), TMEM154
P-Value 1.68E-12



SNP rs12485738 (chr. 3, 56840616 bp)
Probe 6040259 (chr. 17, 6948959 - 6856128 bp), ALOX12@AC027763.2
P-Value 1.37E-12

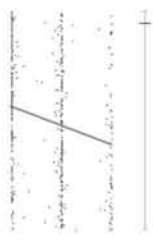


SNP rs227139 (chr. 6, 32521437 bp)
Probe 2570703 (chr. 21, 38672819 - 38956480 bp), EFG
P-Value 1.08E-12



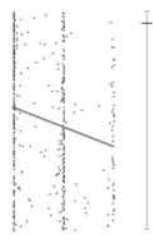
SNP rs12485738 (chr. 3, 56840616 bp)
Probe 7570196 (chr. 12, 3055818 - 3266990 bp), TSPAN2
P-Value 3.89E-13

HT12-Controls



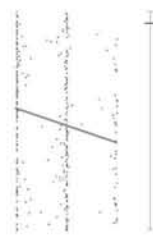
GG (153) GA (194) AA (67)
Corr: -0.295 R2: 0.042
Z-Score: -4.197 P-Value: 2.71E-5

HT12-COPD



GG (202) GA (200) AA (51)
Corr: -0.201 R2: 0.04
Z-Score: -4.308 P-Value: 1.65E-5

HT12-ALS



GG (132) GA (148) AA (44)
Corr: -0.176 R2: 0.031
Z-Score: -3.178 P-Value: 0.001

HT12-UC



GG (24) GA (22) AA (3)
Corr: -0.077 R2: 0.006
Z-Score: -0.523 P-Value: 0.601

HBv2-Controls



GG (28) GA (21) AA (10)
Corr: -0.097 R2: 0.009
Z-Score: -0.729 P-Value: 0.468

HBv2-ColiacDisease



GG (41) GA (57) AA (13)
Corr: -0.139 R2: 0.019
Z-Score: -1.46 P-Value: 0.144

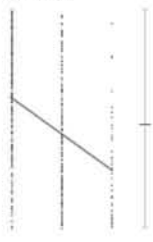
HBv2-ALS



GG (20) GA (32) AA (7)
Corr: -0.332 R2: 0.104
Z-Score: -2.485 P-Value: 0.013

SNP rs4963128 (chr. 11, 579564 bp)
Probe 2000670 (chr. 21, 43452479 - 43452479 bp), -
P-Value 3.83E-13

HT12-Controls



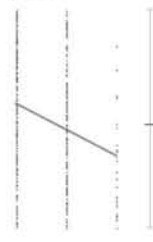
CC (207) CT (160) TT (41)
Corr: -0.376 R2: 0.141
Z-Score: -7.913 P-Value: 2.51E-15

HT12-COPD



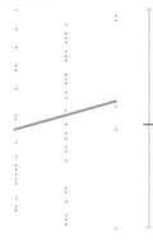
CC (200) CT (189) TT (54)
Corr: -0.033 R2: 0.001
Z-Score: -0.708 P-Value: 0.479

HT12-ALS



CC (162) CT (135) TT (27)
Corr: -0.263 R2: 0.089
Z-Score: -4.809 P-Value: 1.51E-6

HT12-UC



CC (18) CT (25) TT (8)
Corr: -0.141 R2: 0.02
Z-Score: -0.965 P-Value: 0.334

HBv2-Controls

eQTL not available
Probe not present.

HBv2-ColiacDisease

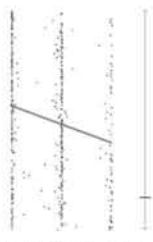
eQTL not available
Probe not present.

HBv2-ALS

eQTL not available
Probe not present.

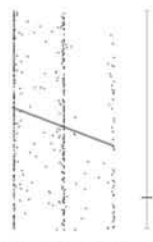
SNP rs12485738 (chr. 3, 56840616 bp)
Probe 130433 (chr. 11, 69959459 - 69960075 bp), CTNN
P-Value 3.31E-13

HT12-Controls



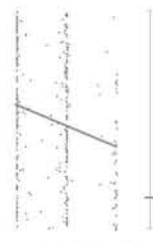
GG (153) GA (194) AA (67)
Corr: -0.2 R2: 0.04
Z-Score: -4.093 P-Value: 4.26E-5

HT12-COPD



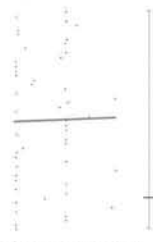
GG (202) GA (200) AA (51)
Corr: -0.196 R2: 0.038
Z-Score: -4.193 P-Value: 2.75E-5

HT12-ALS



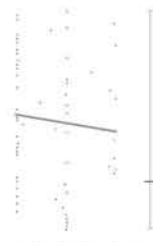
GG (132) GA (148) AA (44)
Corr: -0.217 R2: 0.047
Z-Score: -3.943 P-Value: 8.03E-5

HT12-UC



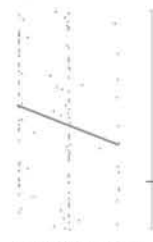
GG (24) GA (22) AA (3)
Corr: -0.016 R2: 0
Z-Score: -0.111 P-Value: 0.911

HBv2-Controls



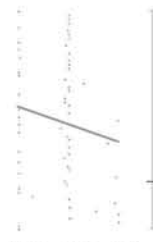
GG (28) GA (21) AA (10)
Corr: -0.095 R2: 0.009
Z-Score: -0.718 P-Value: 0.473

HBv2-ColiacDisease



GG (41) GA (57) AA (13)
Corr: -0.188 R2: 0.035
Z-Score: -1.975 P-Value: 0.048

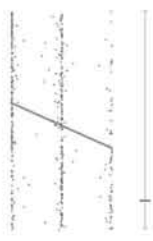
HBv2-ALS



GG (20) GA (32) AA (7)
Corr: -0.169 R2: 0.029
Z-Score: -1.279 P-Value: 0.201

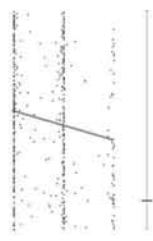
SNP rs12485738 (chr. 3, 56840616 bp)
Probe 50136 (chr. 14, 22914857 - 22915820 bp), CMT5
P-Value 3.03E-13

HT12-Controls



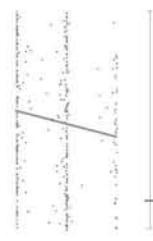
GG (153) GA (194) AA (67)
Corr: -0.243 R2: 0.059
Z-Score: -5.002 P-Value: 5.69E-7

HT12-COPD



GG (202) GA (200) AA (51)
Corr: -0.152 R2: 0.023
Z-Score: -3.238 P-Value: 0.001

HT12-ALS



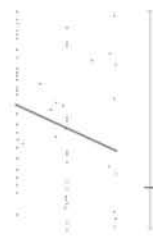
GG (132) GA (148) AA (44)
Corr: -0.136 R2: 0.019
Z-Score: -2.458 P-Value: 0.014

HT12-UC



GG (24) GA (22) AA (3)
Corr: -0.133 R2: 0.018
Z-Score: -0.912 P-Value: 0.362

HBv2-Controls



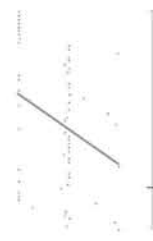
GG (28) GA (21) AA (10)
Corr: -0.25 R2: 0.062
Z-Score: -1.907 P-Value: 0.057

HBv2-ColiacDisease



GG (41) GA (57) AA (13)
Corr: -0.214 R2: 0.046
Z-Score: -2.252 P-Value: 0.024

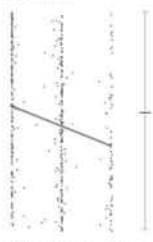
HBv2-ALS



GG (20) GA (32) AA (7)
Corr: -0.332 R2: 0.11
Z-Score: -2.567 P-Value: 0.01

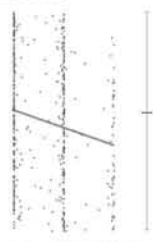
SNP rs12485738 (chr. 3, 56840616 bp)
Probe 140069 (chr. 11, 133484788 - 133664241 bp), JAM3/NCAPD3
P-Value 2.2E-13

HT12-Controls



GG (153) GA (194) AA (67)
Corr: -0.221 R2: 0.049
Z-Score: -4.536 P-Value: 5.74E-6

HT12-COPD



GG (202) GA (200) AA (51)
Corr: -0.181 R2: 0.033
Z-Score: -3.866 P-Value: 1.11E-4

HT12-ALS



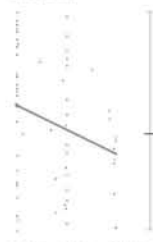
GG (132) GA (148) AA (44)
Corr: -0.148 R2: 0.022
Z-Score: -2.679 P-Value: 0.007

HT12-UC



GG (24) GA (22) AA (3)
Corr: -0.336 R2: 0.113
Z-Score: -2.361 P-Value: 0.018

HBv2-Controls



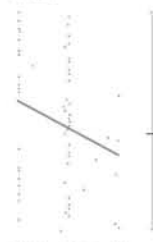
GG (28) GA (21) AA (10)
Corr: -0.272 R2: 0.074
Z-Score: -2.084 P-Value: 0.037

HBv2-ColiacDisease



GG (41) GA (57) AA (13)
Corr: -0.095 R2: 0.009
Z-Score: -0.996 P-Value: 0.319

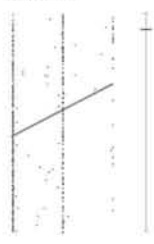
HBv2-ALS



GG (20) GA (32) AA (7)
Corr: -0.256 R2: 0.065
Z-Score: -1.954 P-Value: 0.051

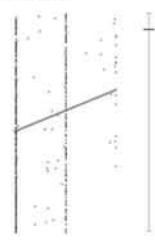
SNP rs9483768 (chr. 6, 135477194 bp)
Probe 3130220 (chr. 3, 45240621 - 45243523 bp), ACO10170.3
P-Value 7.83E-14

HT12-Controls



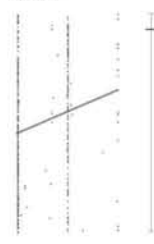
TT (259) TC (100) CC (25)
Corr: 0.245 R2: 0.06
Z-Score:5.057 P-Value:4.25E-7

HT12-COPD



TT (276) TC (155) CC (22)
Corr: 0.188 R2: 0.035
Z-Score:4.02 P-Value:5.91E-5

HT12-ALS



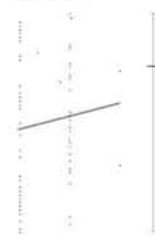
TT (186) TC (121) CC (17)
Corr: 0.199 R2: 0.04
Z-Score:3.613 P-Value:3.03E-4

HT12-UC



TT (27) TC (22) CC (0)
Corr: 0.067 R2: 0.004
Z-Score:0.456 P-Value:0.649

HBv2-Controls



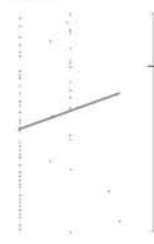
TT (302) TC (25) CC (2)
Corr: 0.111 R2: 0.012
Z-Score:0.84 P-Value:0.401

HBv2-ColicDisease



TT (66) TC (38) CC (7)
Corr: 0.134 R2: 0.018
Z-Score:1.407 P-Value:0.16

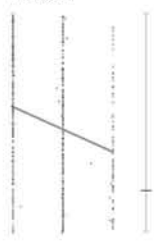
HBv2-ALS



TT (38) TC (19) CC (2)
Corr: 0.151 R2: 0.023
Z-Score:1.139 P-Value:0.255

SNP rs2540917 (chr. 2, 80482963 bp)
Probe 3440630 (chr. 1, 6424816 - 6447223 bp), ESPN1/TNF/RSF25
P-Value 4.78E-14

HT12-Controls



TT (170) TC (181) CC (63)
Corr: 0.252 R2: 0.063
Z-Score:5.188 P-Value:2.12E-7

HT12-COPD



TT (151) TC (222) CC (80)
Corr: 0.183 R2: 0.033
Z-Score:3.913 P-Value:9.12E-5

HT12-ALS



TT (110) TC (157) CC (57)
Corr: 0.22 R2: 0.048
Z-Score:3.995 P-Value:6.48E-5

HT12-UC



TT (20) TC (25) CC (4)
Corr: 0.093 R2: 0.009
Z-Score:0.638 P-Value:0.523

HBv2-Controls

eQTL not available
Probe not present.

HBv2-ColicDisease

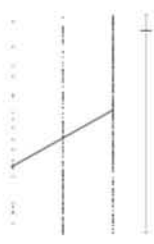
eQTL not available
Probe not present.

HBv2-ALS

eQTL not available
Probe not present.

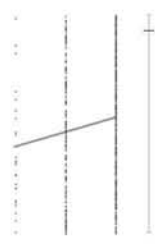
SNP rs7743761 (chr. 6, 31444079 bp)
Probe 1110300 (chr. 4, 19378727 - 19382164 bp), TMEM154
P-Value 9.26E-15

HT12-Controls



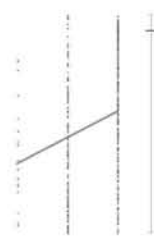
AA (23) AC (156) CC (255)
Corr: 0.269 R2: 0.072
Z-Score:5.555 P-Value:2.78E-8

HT12-COPD



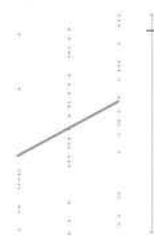
AA (24) AC (156) CC (275)
Corr: 0.136 R2: 0.019
Z-Score:2.91 P-Value:0.004

HT12-ALS



AA (19) AC (120) CC (185)
Corr: 0.253 R2: 0.064
Z-Score:4.605 P-Value:4.12E-6

HT12-UC



AA (10) AC (21) CC (18)
Corr: 0.307 R2: 0.094
Z-Score:2.145 P-Value:0.032

HBv2-Controls

eQTL not available
Probe not present.

HBv2-ColicDisease

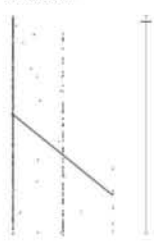
eQTL not available
Probe not present.

HBv2-ALS

eQTL not available
Probe not present.

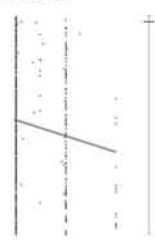
SNP rs3134792 (chr. 6, 31420305 bp)
Probe 6380347 (chr. 25, 40348041 - 40390998 bp), XFC6C
P-Value 1.4E-15

HT12-Controls



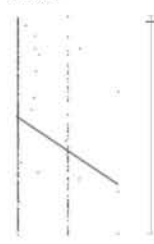
TT (309) TG (98) GG (7)
Corr: -0.306 R2: 0.093
Z-Score:6.35 P-Value:2.15E-10

HT12-COPD



TT (226) TG (115) GG (13)
Corr: -0.132 R2: 0.017
Z-Score:2.805 P-Value:0.005

HT12-ALS



TT (245) TG (70) GG (5)
Corr: -0.243 R2: 0.059
Z-Score:4.42 P-Value:9.89E-6

HT12-UC



TT (38) TG (10) GG (0)
Corr: -0.253 R2: 0.064
Z-Score:1.752 P-Value:0.08

HBv2-Controls

eQTL not available
Probe not present.

HBv2-ColicDisease

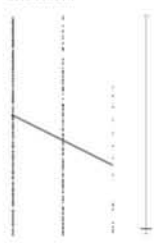
eQTL not available
Probe not present.

HBv2-ALS

eQTL not available
Probe not present.

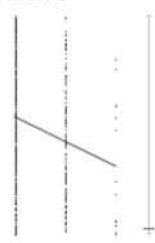
SNP rs2856683 (chr. 6, 32763196 bp)
Probe 2940424 (chr. 7, 36518135 - 36731995 bp), AOH1
P-Value 7.35E-16

HT12-Controls



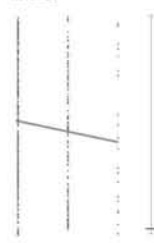
TT (251) TG (148) GG (15)
Corr: -0.227 R2: 0.051
Z-Score:4.657 P-Value:3.2E-6

HT12-COPD



TT (306) TG (132) GG (15)
Corr: -0.213 R2: 0.045
Z-Score:4.579 P-Value:4.66E-6

HT12-ALS



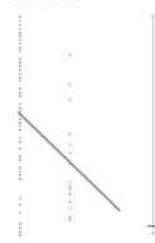
TT (195) TG (108) GG (20)
Corr: -0.104 R2: 0.011
Z-Score:1.864 P-Value:0.062

HT12-UC



TT (33) TG (16) GG (0)
Corr: -0.234 R2: 0.055
Z-Score:1.617 P-Value:0.106

HBv2-Controls



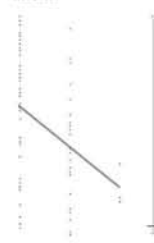
TT (44) TG (15) GG (0)
Corr: -0.329 R2: 0.108
Z-Score:2.546 P-Value:0.011

HBv2-ColicDisease



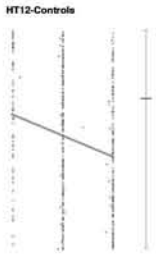
TT (65) TG (28) GG (8)
Corr: -0.269 R2: 0.072
Z-Score:2.852 P-Value:0.004

HBv2-ALS



TT (34) TG (22) GG (0)
Corr: -0.371 R2: 0.138
Z-Score:2.895 P-Value:0.004

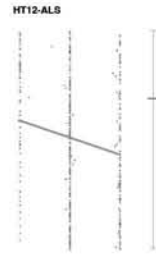
SNP rs12718597 (chr. 7, 50395922 bp)
Probe 3170017 (chr. 17, 21127561 - 21160118 bp), MAP2K3
P-Value 1.04E-16



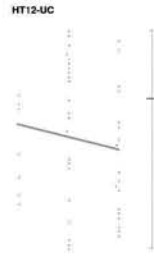
AA (64) AC (197) CC (153)
Corr: -0.298 R2: 0.052
Z-Score: -4.695 P-Value: 3.67E-6



AA (68) AC (220) CC (159)
Corr: -0.281 R2: 0.079
Z-Score: -6.086 P-Value: 1.19E-9



AA (50) AC (163) CC (105)
Corr: -0.187 R2: 0.035
Z-Score: -3.38 P-Value: 7.25E-4



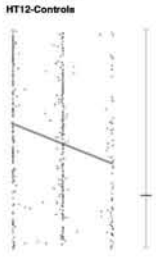
AA (7) AC (23) CC (119)
Corr: -0.135 R2: 0.018
Z-Score: -0.926 P-Value: 0.355

HbV2-Controls
eQTL not available
Probe not present.

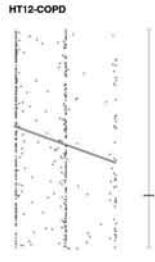
HbV2-ColicacDisease
eQTL not available
Probe not present.

HbV2-ALS
eQTL not available
Probe not present.

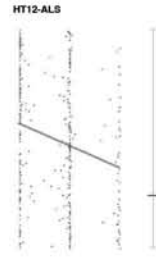
SNP rs12485738 (chr. 3, 56840616 bp)
Probe 1050292 (chr. 3, 13028135 - 13028493 bp), GP9
P-Value 9.97E-17



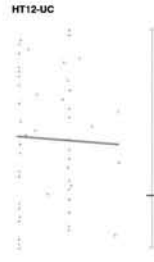
GG (153) GA (194) AA (67)
Corr: -0.219 R2: 0.048
Z-Score: -4.488 P-Value: 7.18E-6



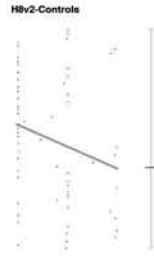
GG (200) GA (200) AA (51)
Corr: -0.185 R2: 0.034
Z-Score: -3.958 P-Value: 7.57E-5



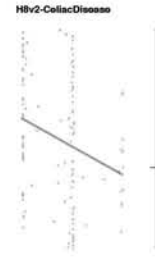
GG (132) GA (148) AA (44)
Corr: -0.231 R2: 0.053
Z-Score: -4.191 P-Value: 2.78E-5



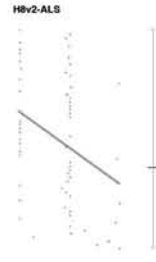
GG (24) GA (22) AA (3)
Corr: -0.034 R2: 0.001
Z-Score: -0.232 P-Value: 0.817



GG (88) GA (21) AA (10)
Corr: -0.242 R2: 0.058
Z-Score: -1.844 P-Value: 0.069

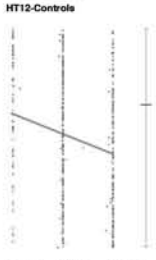


GG (41) GA (57) AA (10)
Corr: -0.276 R2: 0.076
Z-Score: -2.929 P-Value: 0.003



GG (20) GA (32) AA (7)
Corr: -0.34 R2: 0.116
Z-Score: -2.635 P-Value: 0.008

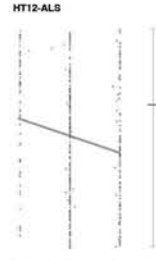
SNP rs12718597 (chr. 7, 50395922 bp)
Probe 4016433 (chr. 17, 21127561 - 21160118 bp), MAP2K3
P-Value 4.72E-17



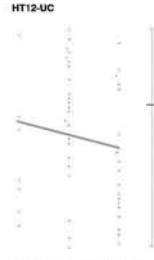
AA (64) AC (197) CC (153)
Corr: -0.232 R2: 0.047
Z-Score: -4.457 P-Value: 8.29E-6



AA (68) AC (220) CC (159)
Corr: -0.3 R2: 0.09
Z-Score: -6.528 P-Value: 6.67E-11



AA (50) AC (163) CC (105)
Corr: -0.183 R2: 0.034
Z-Score: -3.314 P-Value: 3.2E-4



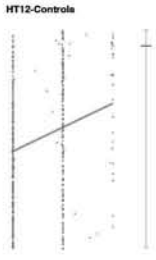
AA (7) AC (23) CC (119)
Corr: -0.138 R2: 0.019
Z-Score: -0.942 P-Value: 0.348

HbV2-Controls
eQTL not available
Probe not present.

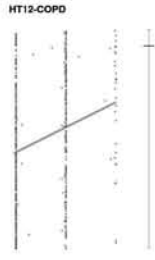
HbV2-ColicacDisease
eQTL not available
Probe not present.

HbV2-ALS
eQTL not available
Probe not present.

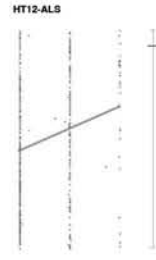
SNP rs9402686 (chr. 6, 135469510 bp)
Probe 3130220 (chr. 3, 45940621 - 45943623 bp), AC010170.3
P-Value 3.83E-17



GG (218) GA (180) AA (27)
Corr: 0.232 R2: 0.054
Z-Score: 4.779 P-Value: 1.77E-6



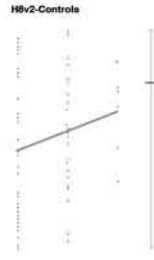
GG (235) GA (188) AA (30)
Corr: 0.242 R2: 0.059
Z-Score: 5.212 P-Value: 1.87E-7



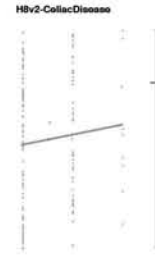
GG (179) GA (117) AA (28)
Corr: 0.226 R2: 0.051
Z-Score: 4.11 P-Value: 3.95E-5



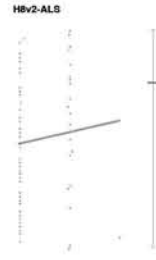
GG (24) GA (22) AA (3)
Corr: 0.26 R2: 0.068
Z-Score: 1.805 P-Value: 0.071



GG (30) GA (23) AA (6)
Corr: 0.201 R2: 0.04
Z-Score: 1.528 P-Value: 0.127

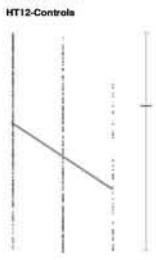


GG (62) GA (40) AA (9)
Corr: 0.099 R2: 0.01
Z-Score: 1.039 P-Value: 0.299



GG (38) GA (20) AA (1)
Corr: 0.094 R2: 0.009
Z-Score: 0.706 P-Value: 0.48

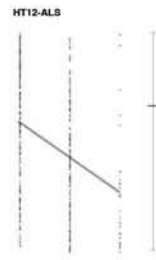
SNP rs4903128 (chr. 11, 579564 bp)
Probe 150328 (chr. 1, 14015613 - 14022280 bp), PRDM2
P-Value 1.9E-17



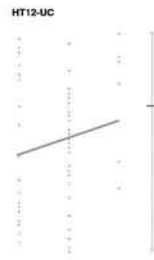
CC (207) CT (190) TT (41)
Corr: -0.347 R2: 0.12
Z-Score: 7.257 P-Value: 3.97E-13



CC (200) CT (199) TT (54)
Corr: -0.093 R2: 0.009
Z-Score: 1.984 P-Value: 0.047



CC (162) CT (135) TT (27)
Corr: -0.353 R2: 0.124
Z-Score: 6.536 P-Value: 6.3E-11



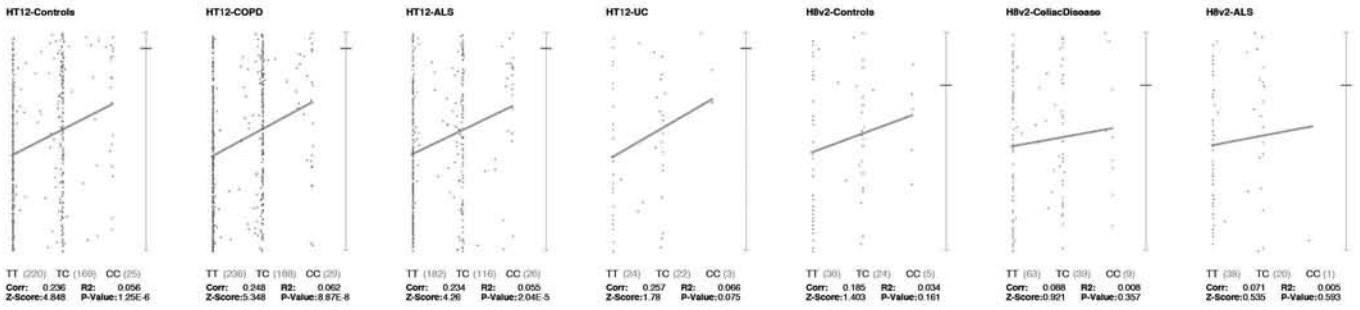
CC (18) CT (25) TT (8)
Corr: 0.174 R2: 0.03
Z-Score: 1.195 P-Value: 0.232

HbV2-Controls
eQTL not available
Probe not present.

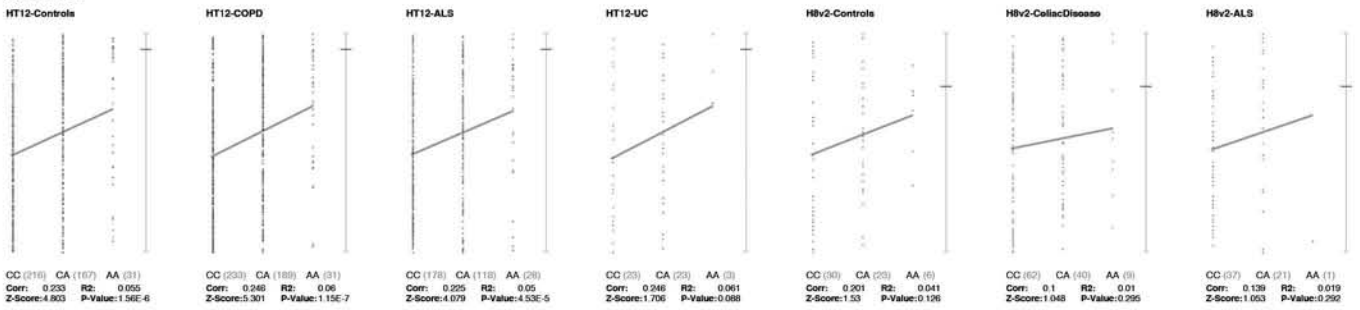
HbV2-ColicacDisease
eQTL not available
Probe not present.

HbV2-ALS
eQTL not available
Probe not present.

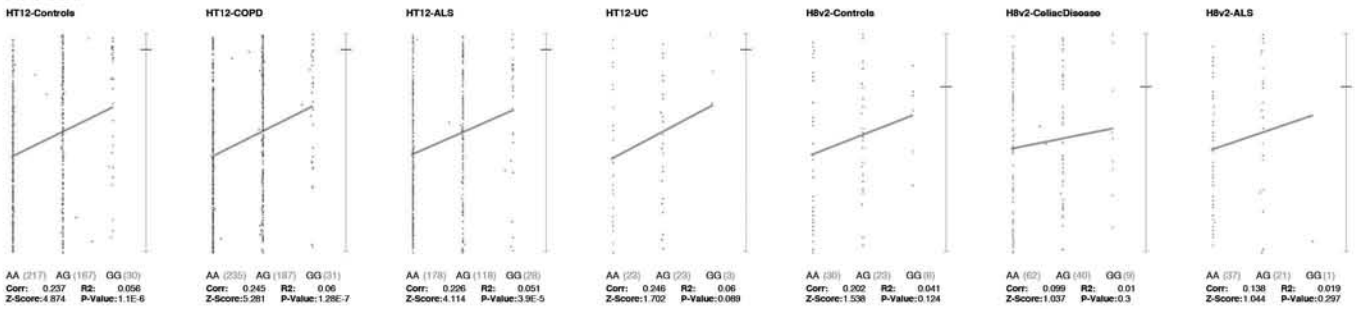
SNP rs9373124 (chr. 6, 135464902 bp)
Probe 3130220 (chr. 3, 45240621 - 45243623 bp), AC010170.3
P-Value 1.71E-17



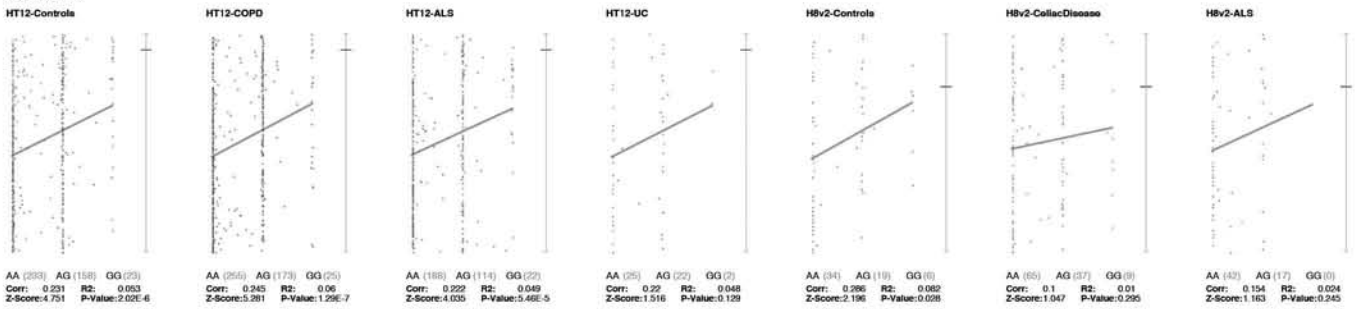
SNP rs9378092 (chr. 6, 135466837 bp)
Probe 3130220 (chr. 3, 45240621 - 45243623 bp), AC010170.3
P-Value 1.59E-17



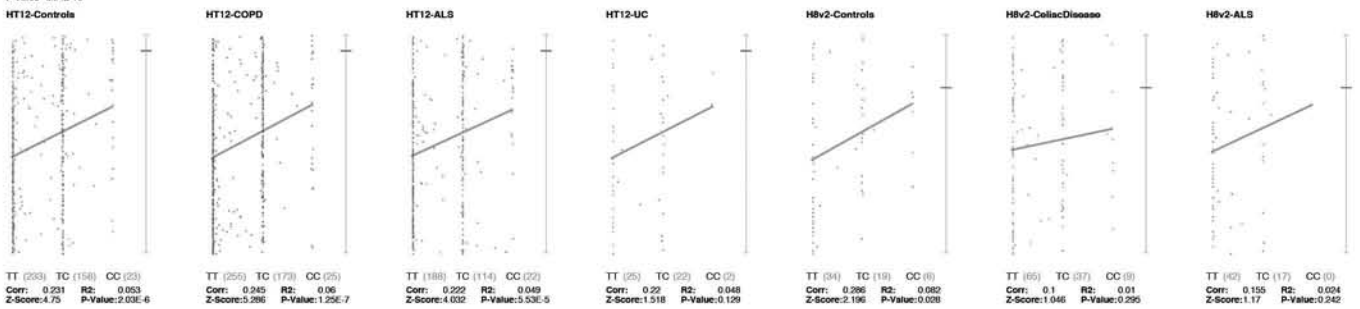
SNP rs4895441 (chr. 6, 135466266 bp)
Probe 3130220 (chr. 3, 45240621 - 45243623 bp), AC010170.3
P-Value 1.12E-17



SNP rs7778054 (chr. 6, 135466009 bp)
Probe 3130220 (chr. 3, 45240621 - 45243623 bp), AC010170.3
P-Value 9.07E-18

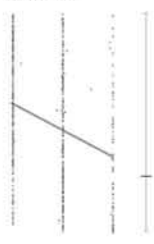


SNP rs9309137 (chr. 6, 135460711 bp)
Probe 3130220 (chr. 3, 45240621 - 45243623 bp), AC010170.3
P-Value 8.94E-18



SNP rs2540917 (chr. 2, 8046263 bp)
Probe 450537 (chr. 11, 5229896 - 5429091 bp), HBG2/HENST00000399563
P-Value 7.04E-18

HT12-Controls



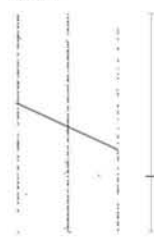
TT (170) TC (191) CC (93)
Corr: -0.292 R2: 0.085
Z-Score: 6.058 P-Value: 1.37E-9

HT12-COPD



TT (151) TC (222) CC (80)
Corr: -0.188 R2: 0.035
Z-Score: 4.03 P-Value: 5.17E-5

HT12-ALS



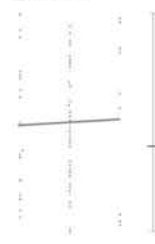
TT (110) TC (157) CC (57)
Corr: -0.256 R2: 0.065
Z-Score: 4.662 P-Value: 3.14E-6

HT12-UC



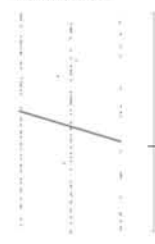
TT (20) TC (25) CC (4)
Corr: 0.327 R2: 0.107
Z-Score: 2.292 P-Value: 0.022

HbV2-Controls



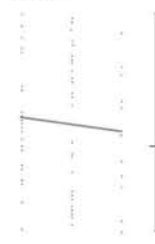
TT (17) TC (93) CC (8)
Corr: 0.034 R2: 0.001
Z-Score: 0.259 P-Value: 0.795

HbV2-ColicDisease



TT (45) TC (48) CC (18)
Corr: -0.169 R2: 0.029
Z-Score: 1.772 P-Value: 0.076

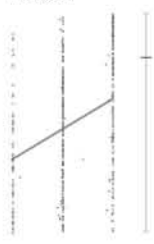
HbV2-ALS



TT (22) TC (20) CC (11)
Corr: -0.077 R2: 0.006
Z-Score: 0.577 P-Value: 0.564

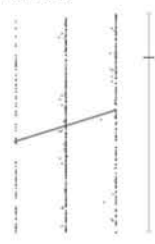
SNP rs12718587 (chr. 7, 5038922 bp)
Probe 3290396 (chr. 11, 64452638 - 64460229 bp), PPP2FDL/IGPH/2
P-Value 6.67E-18

HT12-Controls



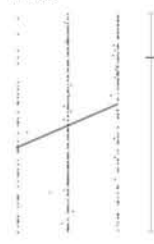
AA (94) AC (197) CC (153)
Corr: 0.327 R2: 0.107
Z-Score: 6.827 P-Value: 8.7E-12

HT12-COPD



AA (68) AC (220) CC (159)
Corr: 0.196 R2: 0.028
Z-Score: 3.557 P-Value: 3.79E-4

HT12-ALS



AA (56) AC (163) CC (108)
Corr: 0.23 R2: 0.053
Z-Score: 4.183 P-Value: 2.88E-5

HT12-UC



AA (7) AC (20) CC (19)
Corr: 0.287 R2: 0.082
Z-Score: 1.997 P-Value: 0.048

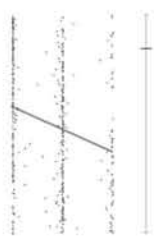
HbV2-Controls
eQTL not available
Probe not present.

HbV2-ColicDisease
eQTL not available
Probe not present.

HbV2-ALS
eQTL not available
Probe not present.

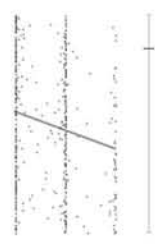
SNP rs12485738 (chr. 3, 56840616 bp)
Probe 5060090 (chr. 17, 45542679 - 45563176 bp), SAMD14
P-Value 3.74E-18

HT12-Controls



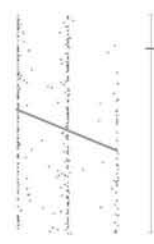
GG (153) GA (194) AA (67)
Corr: -0.248 R2: 0.061
Z-Score: 5.109 P-Value: 3.25E-7

HT12-COPD



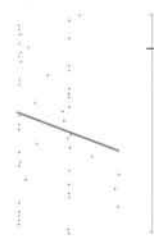
GG (202) GA (200) AA (51)
Corr: -0.187 R2: 0.035
Z-Score: 4.009 P-Value: 6.1E-5

HT12-ALS



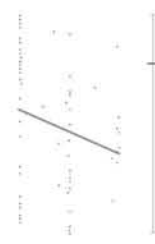
GG (132) GA (148) AA (44)
Corr: -0.213 R2: 0.045
Z-Score: 3.886 P-Value: 1.11E-4

HT12-UC



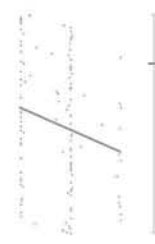
GG (24) GA (22) AA (3)
Corr: -0.174 R2: 0.03
Z-Score: 1.195 P-Value: 0.232

HbV2-Controls



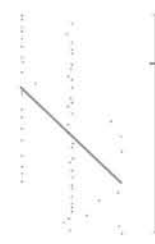
GG (28) GA (21) AA (10)
Corr: -0.242 R2: 0.059
Z-Score: 1.849 P-Value: 0.064

HbV2-ColicDisease



GG (41) GA (57) AA (13)
Corr: -0.218 R2: 0.048
Z-Score: 2.303 P-Value: 0.021

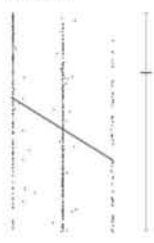
HbV2-ALS



GG (20) GA (32) AA (7)
Corr: -0.449 R2: 0.202
Z-Score: 3.567 P-Value: 3.61E-4

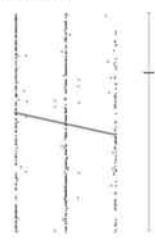
SNP rs2517713 (chr. 6, 30092078 bp)
Probe 500687 (chr. 2, 20993000 - 206733432 bp), NDUFS1
P-Value 2.79E-18

HT12-Controls



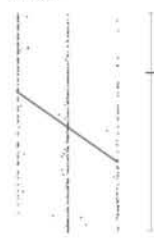
TT (154) TG (205) GG (58)
Corr: -0.331 R2: 0.11
Z-Score: 6.91 P-Value: 4.83E-12

HT12-COPD



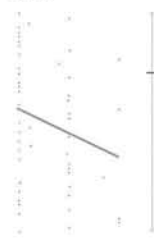
TT (182) TG (209) GG (82)
Corr: -0.122 R2: 0.015
Z-Score: 2.601 P-Value: 0.009

HT12-ALS



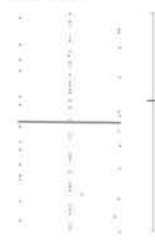
TT (98) TG (170) GG (56)
Corr: -0.373 R2: 0.139
Z-Score: 6.938 P-Value: 3.96E-12

HT12-UC



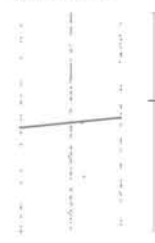
TT (27) TG (17) GG (5)
Corr: -0.241 R2: 0.058
Z-Score: 1.67 P-Value: 0.095

HbV2-Controls



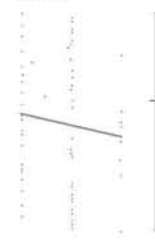
TT (14) TG (32) GG (13)
Corr: -0.005 R2: 0
Z-Score: 0.035 P-Value: 0.972

HbV2-ColicDisease



TT (20) TG (82) GG (26)
Corr: 0.05 R2: 0.002
Z-Score: 0.518 P-Value: 0.605

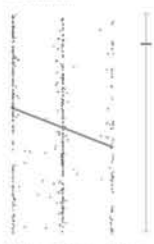
HbV2-ALS



TT (23) TG (28) GG (8)
Corr: -0.119 R2: 0.014
Z-Score: 0.9 P-Value: 0.368

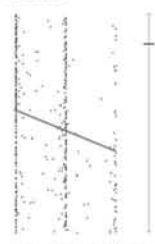
SNP rs12485738 (chr. 3, 56840616 bp)
Probe 720044 (chr. 6, 80404595 - 8053978 bp), SH3BGRL2/Colic/152
P-Value 2.38E-18

HT12-Controls



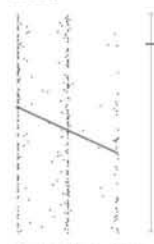
GG (153) GA (194) AA (67)
Corr: -0.211 R2: 0.044
Z-Score: 4.321 P-Value: 1.56E-5

HT12-COPD



GG (202) GA (200) AA (51)
Corr: -0.214 R2: 0.046
Z-Score: 4.595 P-Value: 4.33E-6

HT12-ALS



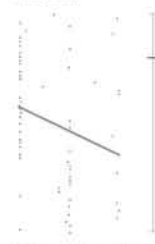
GG (132) GA (148) AA (44)
Corr: -0.238 R2: 0.056
Z-Score: 4.322 P-Value: 1.55E-5

HT12-UC



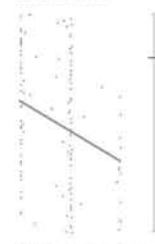
GG (24) GA (22) AA (3)
Corr: 0.054 R2: 0.003
Z-Score: 0.366 P-Value: 0.715

HbV2-Controls



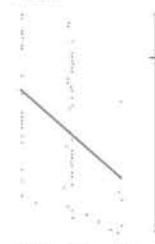
GG (28) GA (21) AA (10)
Corr: -0.282 R2: 0.069
Z-Score: 2.007 P-Value: 0.045

HbV2-ColicDisease



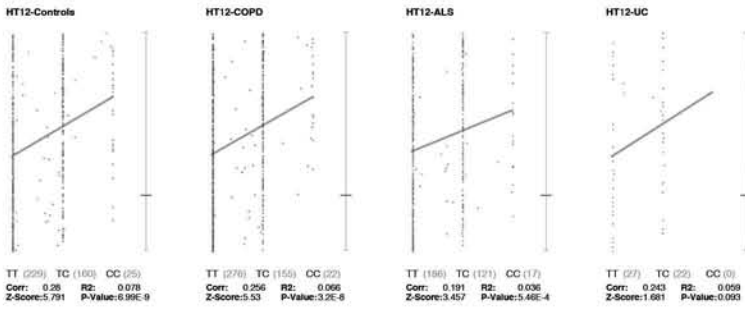
GG (41) GA (57) AA (13)
Corr: -0.294 R2: 0.087
Z-Score: 3.136 P-Value: 0.002

HbV2-ALS



GG (20) GA (32) AA (7)
Corr: -0.417 R2: 0.174
Z-Score: 3.282 P-Value: 0.001

SNP rs9483786 (chr. 6, 135477194 bp)
 Probe 4010040 (chr. 11, 5229996 - 5425091 bp), HBG2@ENST0000039563
 P-Value 1.49E-18

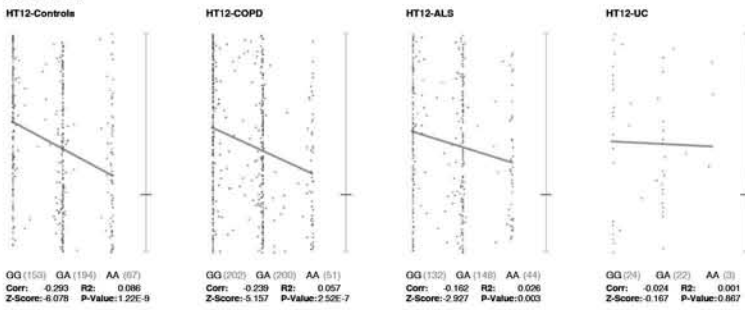


HBv2-Controls
 eQTL not available
 Probe not present.

HBv2-ColicDisease
 eQTL not available
 Probe not present.

HBv2-ALS
 eQTL not available
 Probe not present.

SNP rs12485738 (chr. 3, 56840816 bp)
 Probe 3500630 (chr. 15, 81314970 - 81314970 bp), --
 P-Value 1.19E-18

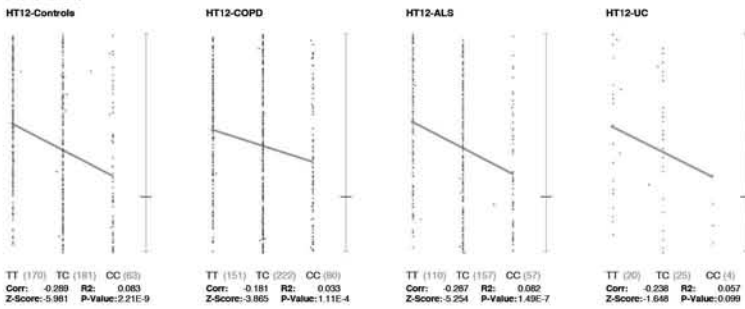


HBv2-Controls
 eQTL not available
 Probe not present.

HBv2-ColicDisease
 eQTL not available
 Probe not present.

HBv2-ALS
 eQTL not available
 Probe not present.

SNP rs2540917 (chr. 2, 80462933 bp)
 Probe 4010040 (chr. 11, 5229996 - 5425091 bp), HBG2@ENST0000039563
 P-Value 1.17E-18

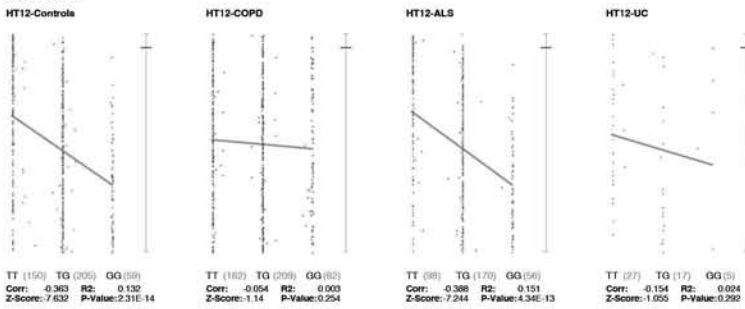


HBv2-Controls
 eQTL not available
 Probe not present.

HBv2-ColicDisease
 eQTL not available
 Probe not present.

HBv2-ALS
 eQTL not available
 Probe not present.

SNP rs2517713 (chr. 6, 30092078 bp)
 Probe 5080577 (chr. 20, 6195831 - 6194332 bp), TP05212
 P-Value 2.03E-19

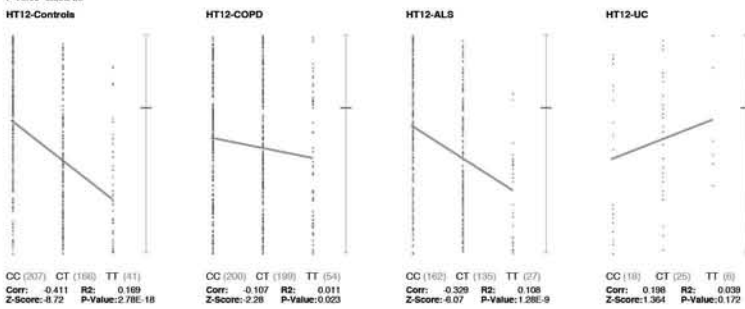


HBv2-Controls
 eQTL not available
 Probe not present.

HBv2-ColicDisease
 eQTL not available
 Probe not present.

HBv2-ALS
 eQTL not available
 Probe not present.

SNP rs4903126 (chr. 11, 579564 bp)
 Probe 7650681 (chr. 1, 14015013 - 1402280 bp), PRDM2
 P-Value 2.25E-20



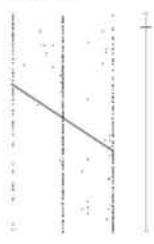
HBv2-Controls
 eQTL not available
 Probe not present.

HBv2-ColicDisease
 eQTL not available
 Probe not present.

HBv2-ALS
 eQTL not available
 Probe not present.

SNP rs2523393 (chr. 6, 29813638 bp)
Probe 5000577 (chr. 20, 61958531 - 61994332 bp), TPD52L2
P-Value 6.89E-21

HT12-Controls



GG (72) GA (190) AA (140)
Corr: -0.362 R2: 0.131
Z-Score: 7.61 P-Value: 2.74E-14

HT12-COPD



GG (75) GA (221) AA (157)
Corr: -0.039 R2: 0.002
Z-Score: 0.827 P-Value: 0.408

HT12-ALS



GG (50) GA (158) AA (113)
Corr: -0.434 R2: 0.186
Z-Score: 6.192 P-Value: 2.57E-16

HT12-UC



GG (18) GA (20) AA (11)
Corr: 0.215 R2: 0.046
Z-Score: 1.467 P-Value: 0.137

HBv2-Controls

eQTL not available
Probe not present.

HBv2-ColiacDisease

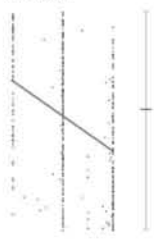
eQTL not available
Probe not present.

HBv2-ALS

eQTL not available
Probe not present.

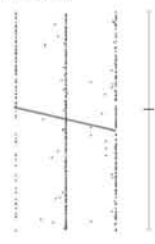
SNP rs2523393 (chr. 6, 29813638 bp)
Probe 5000576 (chr. 4, 55217852 - 55302636 bp), KIT
P-Value 4.99E-22

HT12-Controls



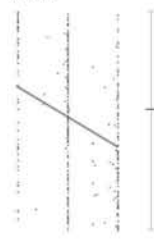
GG (72) GA (190) AA (140)
Corr: -0.384 R2: 0.148
Z-Score: 8.109 P-Value: 1.2E-16

HT12-COPD



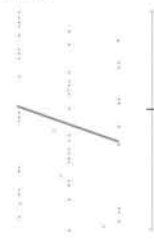
GG (75) GA (221) AA (157)
Corr: -0.13 R2: 0.017
Z-Score: 2.776 P-Value: 0.005

HT12-ALS



GG (50) GA (158) AA (113)
Corr: -0.32 R2: 0.102
Z-Score: 5.886 P-Value: 3.95E-9

HT12-UC



GG (18) GA (20) AA (11)
Corr: 0.204 R2: 0.042
Z-Score: 1.606 P-Value: 0.16

HBv2-Controls

eQTL not available
Probe not present.

HBv2-ColiacDisease

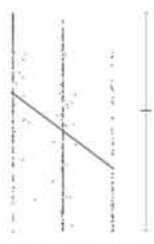
eQTL not available
Probe not present.

HBv2-ALS

eQTL not available
Probe not present.

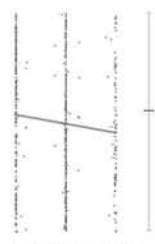
SNP rs2517713 (chr. 6, 30026078 bp)
Probe 5000576 (chr. 4, 55217852 - 55302636 bp), KIT
P-Value 2.63E-22

HT12-Controls



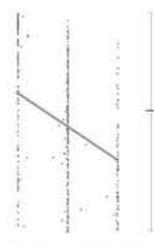
TT (150) TG (205) GG (59)
Corr: -0.402 R2: 0.162
Z-Score: 8.525 P-Value: 1.53E-17

HT12-COPD



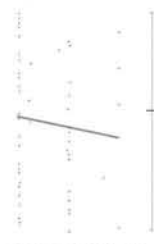
TT (162) TG (209) GG (82)
Corr: -0.1 R2: 0.01
Z-Score: 2.131 P-Value: 0.033

HT12-ALS



TT (96) TG (170) GG (56)
Corr: -0.355 R2: 0.126
Z-Score: 6.587 P-Value: 4.5E-11

HT12-UC



TT (27) TG (17) GG (5)
Corr: -0.105 R2: 0.011
Z-Score: 0.72 P-Value: 0.472

HBv2-Controls

eQTL not available
Probe not present.

HBv2-ColiacDisease

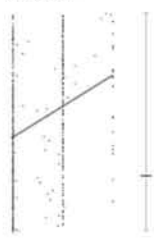
eQTL not available
Probe not present.

HBv2-ALS

eQTL not available
Probe not present.

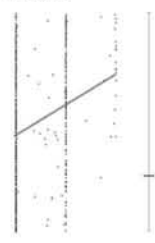
SNP rs9483788 (chr. 6, 135477194 bp)
Probe 450537 (chr. 11, 5299996 - 5429091 bp), HBIG2/ENST00000299563
P-Value 1.36E-22

HT12-Controls



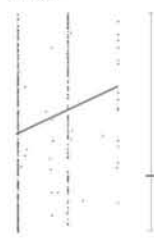
TT (229) TC (180) CC (25)
Corr: 0.293 R2: 0.086
Z-Score: 6.078 P-Value: 1.22E-9

HT12-COPD



TT (276) TC (155) CC (22)
Corr: 0.275 R2: 0.075
Z-Score: 5.945 P-Value: 2.76E-9

HT12-ALS



TT (186) TC (121) CC (17)
Corr: 0.218 R2: 0.048
Z-Score: 3.957 P-Value: 7.58E-5

HT12-UC



TT (27) TC (22) CC (8)
Corr: 0.142 R2: 0.02
Z-Score: 0.972 P-Value: 0.331

HBv2-Controls



TT (32) TC (25) CC (2)
Corr: 0.003 R2: 0
Z-Score: 0.025 P-Value: 0.98

HBv2-ColiacDisease



TT (85) TC (39) CC (7)
Corr: 0.276 R2: 0.076
Z-Score: 2.934 P-Value: 0.003

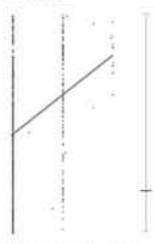
HBv2-ALS



TT (38) TC (19) CC (2)
Corr: 0.263 R2: 0.069
Z-Score: 2.016 P-Value: 0.044

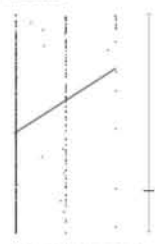
SNP rs1427407 (chr. 2, 60571547 bp)
Probe 3440630 (chr. 1, 6424616 - 6447223 bp), ESPN/TNFRSF25
P-Value 2.91E-23

HT12-Controls



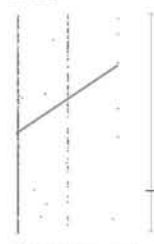
GG (301) GT (101) TT (12)
Corr: 0.321 R2: 0.103
Z-Score: 6.69 P-Value: 2.23E-11

HT12-COPD



GG (336) GT (102) TT (15)
Corr: 0.26 R2: 0.067
Z-Score: 5.605 P-Value: 2.08E-8

HT12-ALS



GG (234) GT (84) TT (8)
Corr: 0.261 R2: 0.068
Z-Score: 4.757 P-Value: 1.96E-6

HT12-UC



GG (32) GT (17) TT (8)
Corr: 0.177 R2: 0.031
Z-Score: 1.217 P-Value: 0.224

HBv2-Controls

eQTL not available
Probe not present.

HBv2-ColiacDisease

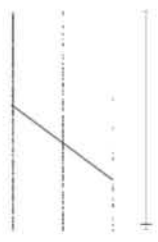
eQTL not available
Probe not present.

HBv2-ALS

eQTL not available
Probe not present.

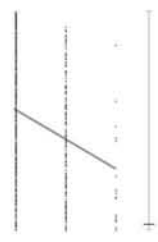
SNP rs60895 (chr. 6, 32693358 bp)
Probe 2940424 (chr. 7, 36518133 - 36731593 bp), AOH1
P-Value 1.07E-23

HT12-Controls



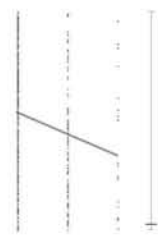
AA (256) AG (143) GG (15)
Corr: -0.329 R2: 0.106
Z-Score: -6.887 P-Value: 6.57E-12

HT12-COPD



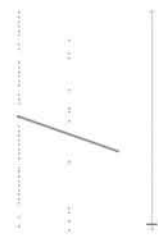
AA (293) AG (143) GG (17)
Corr: -0.26 R2: 0.068
Z-Score: -5.818 P-Value: 1.93E-8

HT12-ALS



AA (218) AG (88) GG (18)
Corr: -0.199 R2: 0.04
Z-Score: -3.601 P-Value: 3.17E-4

HT12-UC



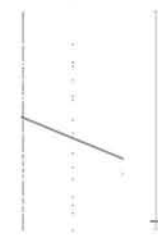
AA (37) AG (12) GG (0)
Corr: -0.117 R2: 0.014
Z-Score: -0.804 P-Value: 0.422

HBv2-Controls



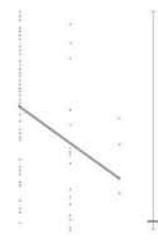
AA (40) AG (12) GG (1)
Corr: -0.324 R2: 0.105
Z-Score: -2.555 P-Value: 0.012

HBv2-ColiacDisease



AA (94) AG (15) GG (2)
Corr: -0.135 R2: 0.018
Z-Score: -1.409 P-Value: 0.159

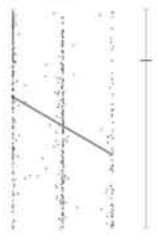
HBv2-ALS



AA (39) AG (16) GG (4)
Corr: -0.349 R2: 0.121
Z-Score: -2.705 P-Value: 0.007

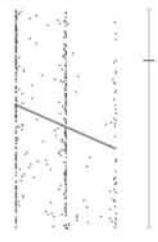
SNP rs1245738 (chr. 3, 56840816 bp)
Probe 1820396 (chr. 22, 42725424 - 42897434 bp), PARV1
P-Value 8.02E-24

HT12-Controls



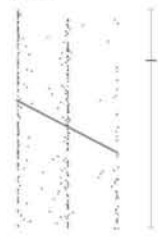
GG (153) GA (194) AA (67)
Corr: -0.317 R2: 0.1
Z-Score: -6.599 P-Value: 1.13E-11

HT12-COPD



GG (200) GA (200) AA (51)
Corr: -0.225 R2: 0.051
Z-Score: -4.839 P-Value: 1.31E-6

HT12-ALS



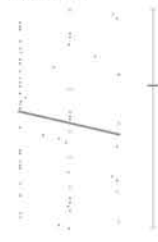
GG (132) GA (148) AA (44)
Corr: -0.272 R2: 0.074
Z-Score: -4.972 P-Value: 6.63E-7

HT12-UC



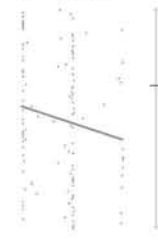
GG (24) GA (22) AA (3)
Corr: -0.236 R2: 0.056
Z-Score: -1.631 P-Value: 0.103

HBv2-Controls



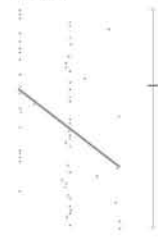
GG (88) GA (21) AA (10)
Corr: -0.129 R2: 0.017
Z-Score: -0.975 P-Value: 0.329

HBv2-ColiacDisease



GG (41) GA (57) AA (10)
Corr: -0.163 R2: 0.027
Z-Score: -1.708 P-Value: 0.086

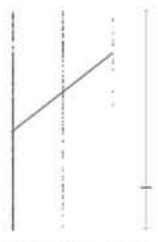
HBv2-ALS



GG (20) GA (32) AA (7)
Corr: -0.368 R2: 0.136
Z-Score: -2.872 P-Value: 0.004

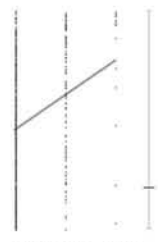
SNP rs786432 (chr. 2, 60573474 bp)
Probe 3440630 (chr. 1, 6424816 - 6447223 bp), ESPW/ITN/HSF25
P-Value 2.97E-24

HT12-Controls



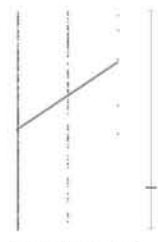
AA (301) AC (102) CC (11)
Corr: 0.317 R2: 0.101
Z-Score: 6.611 P-Value: 3.81E-11

HT12-COPD



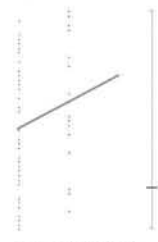
AA (342) AC (87) CC (14)
Corr: 0.28 R2: 0.078
Z-Score: 6.068 P-Value: 1.3E-9

HT12-ALS



AA (295) AC (84) CC (5)
Corr: 0.259 R2: 0.067
Z-Score: 4.732 P-Value: 2.22E-6

HT12-UC



AA (33) AC (16) CC (0)
Corr: 0.194 R2: 0.038
Z-Score: 1.335 P-Value: 0.182

HBv2-Controls

eQTL not available
Probe not present.

HBv2-ColiacDisease

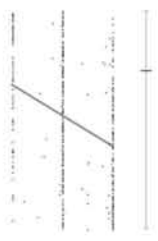
eQTL not available
Probe not present.

HBv2-ALS

eQTL not available
Probe not present.

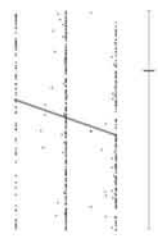
SNP rs2523293 (chr. 6, 29813638 bp)
Probe 5000687 (chr. 2, 206936000 - 206733432 bp), NDUFS1
P-Value 1.87E-25

HT12-Controls



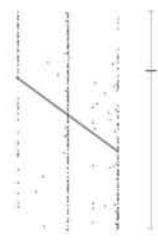
GG (72) GA (190) AA (140)
Corr: -0.339 R2: 0.115
Z-Score: -7.078 P-Value: 1.46E-12

HT12-COPD



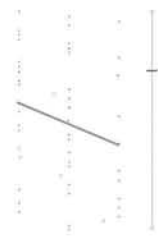
GG (75) GA (221) AA (167)
Corr: -0.189 R2: 0.036
Z-Score: -4.046 P-Value: 5.21E-5

HT12-ALS



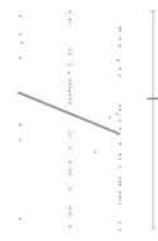
GG (53) GA (158) AA (113)
Corr: -0.395 R2: 0.156
Z-Score: -7.367 P-Value: 1.5E-13

HT12-UC



GG (18) GA (20) AA (11)
Corr: -0.241 R2: 0.058
Z-Score: -1.669 P-Value: 0.095

HBv2-Controls



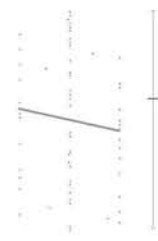
GG (7) GA (25) AA (27)
Corr: -0.213 R2: 0.045
Z-Score: -1.621 P-Value: 0.105

HBv2-ColiacDisease



GG (14) GA (54) AA (83)
Corr: -0.05 R2: 0.003
Z-Score: -0.523 P-Value: 0.601

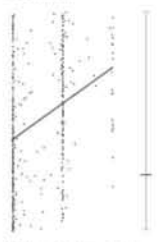
HBv2-ALS



GG (12) GA (32) AA (15)
Corr: -0.116 R2: 0.014
Z-Score: -0.877 P-Value: 0.38

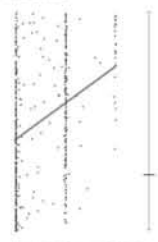
SNP rs7778054 (chr. 6, 135460009 bp)
Probe 4010040 (chr. 11, 5229996 - 5455091 bp), HBG2/WENST00000399563
P-Value 8.47E-27

HT12-Controls



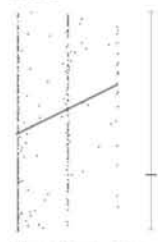
AA (233) AG (158) GG (23)
Corr: 0.329 R2: 0.108
Z-Score: 6.874 P-Value: 6.23E-12

HT12-COPD



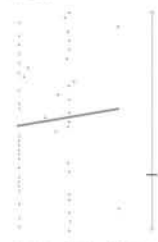
AA (255) AG (173) GG (25)
Corr: 0.336 R2: 0.113
Z-Score: 7.336 P-Value: 2.2E-13

HT12-ALS



AA (188) AG (114) GG (22)
Corr: 0.238 R2: 0.057
Z-Score: 4.326 P-Value: 1.52E-5

HT12-UC



AA (25) AG (22) GG (2)
Corr: 0.071 R2: 0.005
Z-Score: 0.484 P-Value: 0.628

HBv2-Controls

eQTL not available
Probe not present.

HBv2-ColiacDisease

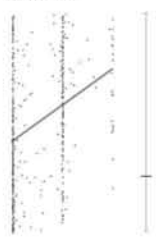
eQTL not available
Probe not present.

HBv2-ALS

eQTL not available
Probe not present.

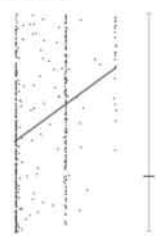
SNP rs9398137 (chr. 6, 135460711 bp)
Probe 4010040 (chr. 11, 5229996 - 5429091 bp), HBG2/ENST00000399563
P-Value 7.38E-27

HT12-Controls



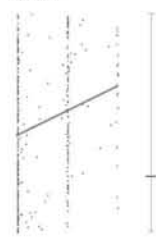
TT (233) TC (158) CC (23)
Corr: 0.33 R2: 0.109
Z-Score:6.878 P-Value:6.07E-12

HT12-COPD



TT (250) TC (173) CC (20)
Corr: 0.336 R2: 0.113
Z-Score:7.343 P-Value:2.09E-13

HT12-ALS



TT (188) TC (114) CC (22)
Corr: 0.236 R2: 0.057
Z-Score:4.328 P-Value:1.51E-5

HT12-UC



TT (26) TC (22) CC (2)
Corr: 0.071 R2: 0.005
Z-Score:0.484 P-Value:0.629

HBv2-Controls

eQTL not available
Probe not present.

HBv2-ColicDisaaso

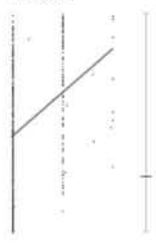
eQTL not available
Probe not present.

HBv2-ALS

eQTL not available
Probe not present.

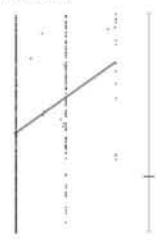
SNP rs1427407 (chr. 2, 60571547 bp)
Probe 4010040 (chr. 11, 5229996 - 5429091 bp), HBG2/ENST00000399563
P-Value 2.26E-26

HT12-Controls



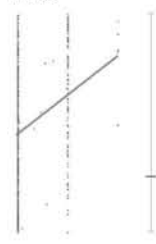
GG (901) GT (101) TT (12)
Corr: 0.353 R2: 0.125
Z-Score:7.403 P-Value:1.26E-13

HT12-COPD



GG (330) GT (102) TT (15)
Corr: 0.269 R2: 0.084
Z-Score:6.272 P-Value:3.56E-10

HT12-ALS



GG (234) GT (84) TT (6)
Corr: 0.303 R2: 0.092
Z-Score:5.566 P-Value:2.6E-8

HT12-UC



GG (32) GT (17) TT (0)
Corr: 0.102 R2: 0.01
Z-Score:0.694 P-Value:0.488

HBv2-Controls

eQTL not available
Probe not present.

HBv2-ColicDisaaso

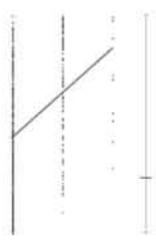
eQTL not available
Probe not present.

HBv2-ALS

eQTL not available
Probe not present.

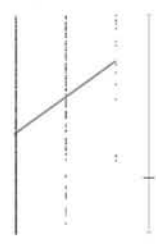
SNP rs765432 (chr. 2, 60573474 bp)
Probe 4010040 (chr. 11, 5229996 - 5429091 bp), HBG2/ENST00000399563
P-Value 4.88E-29

HT12-Controls



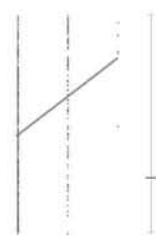
AA (301) AC (102) CC (11)
Corr: 0.363 R2: 0.132
Z-Score:7.62 P-Value:2.53E-14

HT12-COPD



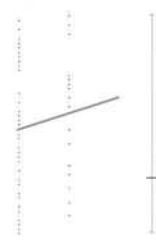
AA (342) AC (97) CC (14)
Corr: 0.293 R2: 0.086
Z-Score:6.359 P-Value:2.03E-10

HT12-ALS



AA (295) AC (84) CC (5)
Corr: 0.296 R2: 0.087
Z-Score:5.423 P-Value:5.86E-8

HT12-UC



AA (33) AC (16) CC (0)
Corr: 0.117 R2: 0.014
Z-Score:0.8 P-Value:0.424

HBv2-Controls

eQTL not available
Probe not present.

HBv2-ColicDisaaso

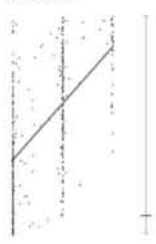
eQTL not available
Probe not present.

HBv2-ALS

eQTL not available
Probe not present.

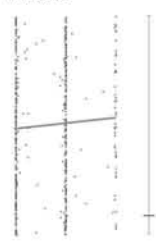
SNP rs2292239 (chr. 12, 54768447 bp)
Probe 5890707 (chr. 4, 17410376 - 1742479 bp), AC110758.2
P-Value 1.89E-29

HT12-Controls



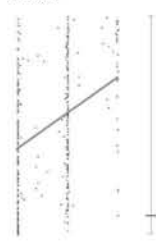
GG (196) GT (180) TT (38)
Corr: 0.566 R2: 0.32
Z-Score:12.608 P-Value:1.91E-36

HT12-COPD



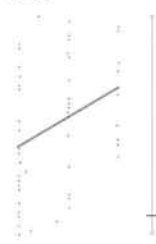
GG (198) GT (206) TT (40)
Corr: 0.059 R2: 0.003
Z-Score:1.248 P-Value:0.212

HT12-ALS



GG (144) GT (147) TT (33)
Corr: 0.353 R2: 0.125
Z-Score:6.546 P-Value:5.93E-11

HT12-UC



GG (23) GT (17) TT (9)
Corr: 0.339 R2: 0.115
Z-Score:2.384 P-Value:0.017

HBv2-Controls



GG (30) GT (29) TT (3)
Corr: 0.225 R2: 0.05
Z-Score:1.711 P-Value:0.087

HBv2-ColicDisaaso



GG (44) GT (55) TT (12)
Corr: 0.018 R2: 0
Z-Score:0.186 P-Value:0.852

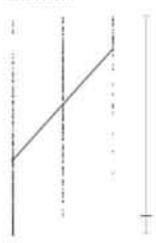
HBv2-ALS



GG (28) GT (26) TT (5)
Corr: -0.015 R2: 0
Z-Score:-0.113 P-Value:0.91

SNP rs1701704 (chr. 12, 54608754 bp)
Probe 5890707 (chr. 4, 17410376 - 1742479 bp), AC110758.2
P-Value 1.68E-30

HT12-Controls



TT (193) TG (178) GG (40)
Corr: 0.582 R2: 0.338
Z-Score:13.038 P-Value:7.44E-30

HT12-COPD



TT (196) TG (206) GG (51)
Corr: 0.055 R2: 0.003
Z-Score:1.164 P-Value:0.244

HT12-ALS



TT (145) TG (146) GG (33)
Corr: 0.347 R2: 0.12
Z-Score:6.423 P-Value:1.34E-10

HT12-UC



TT (22) TG (10) GG (0)
Corr: 0.366 R2: 0.134
Z-Score:2.584 P-Value:0.01

HBv2-Controls



TT (31) TG (25) GG (0)
Corr: 0.274 R2: 0.075
Z-Score:2.096 P-Value:0.036

HBv2-ColicDisaaso



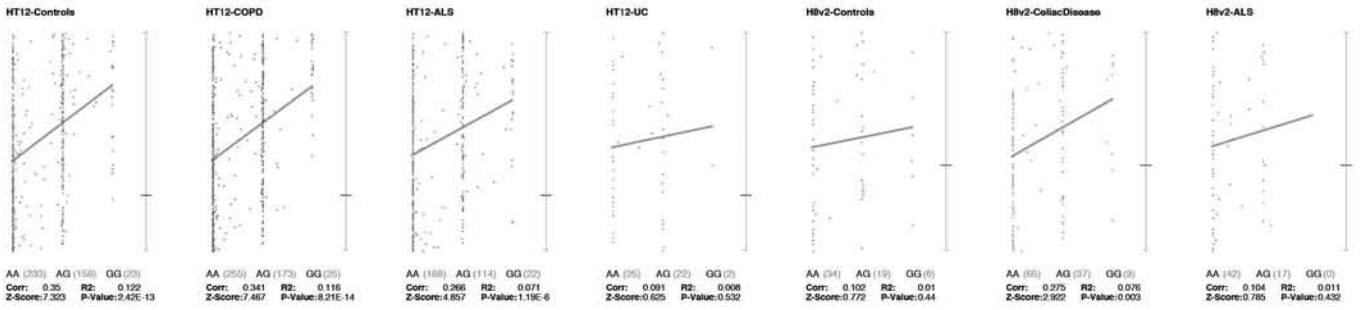
TT (44) TG (54) GG (13)
Corr: -0.018 R2: 0
Z-Score:-0.186 P-Value:0.852

HBv2-ALS

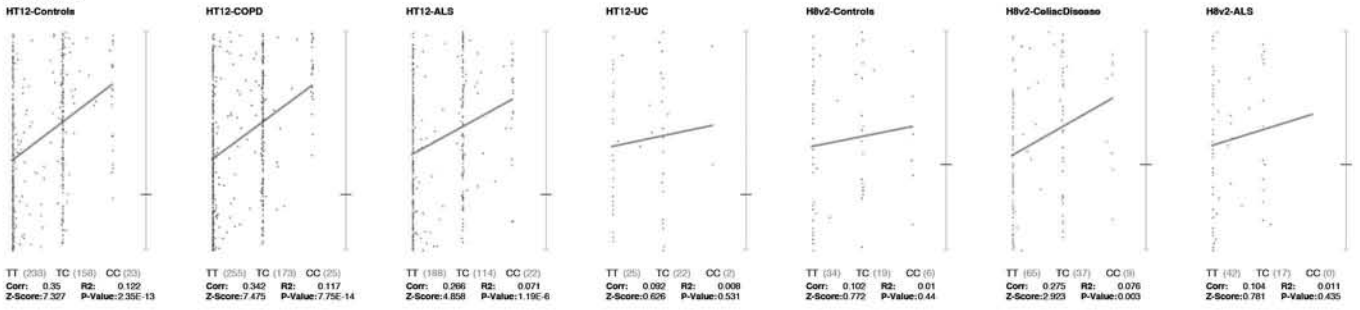


TT (27) TG (27) GG (5)
Corr: 0.031 R2: 0.001
Z-Score:0.236 P-Value:0.814

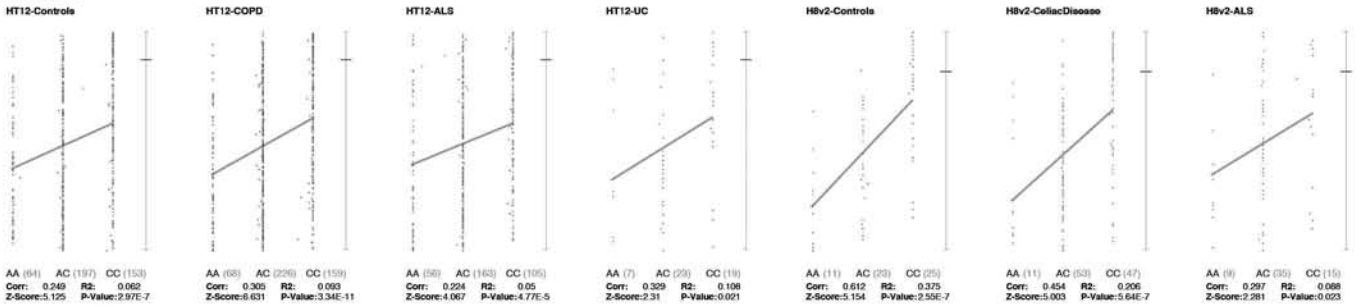
SNP rs778054 (chr. 6, 135460609 bp)
 Probe 450537 (chr. 11, 5229996 - 5429091 bp), HBG2@WENST00000399563
 P-Value 7.75E-31



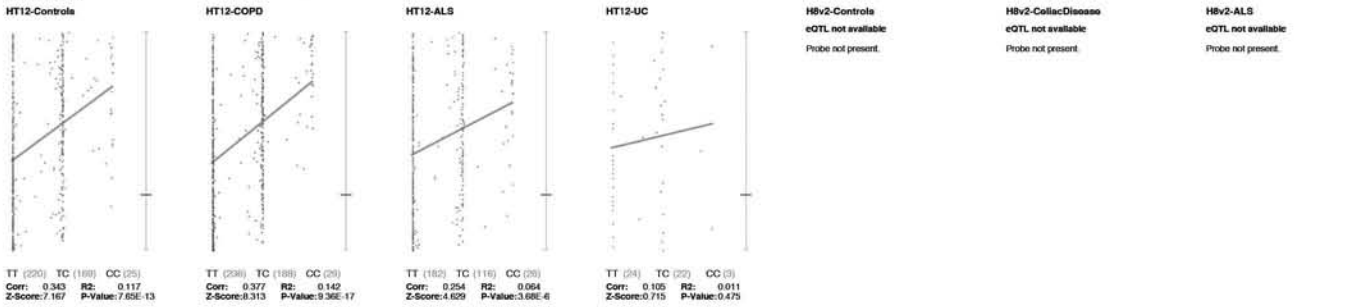
SNP rs939137 (chr. 6, 135460711 bp)
 Probe 450537 (chr. 11, 5229996 - 5429091 bp), HBG2@WENST00000399563
 P-Value 6.57E-31



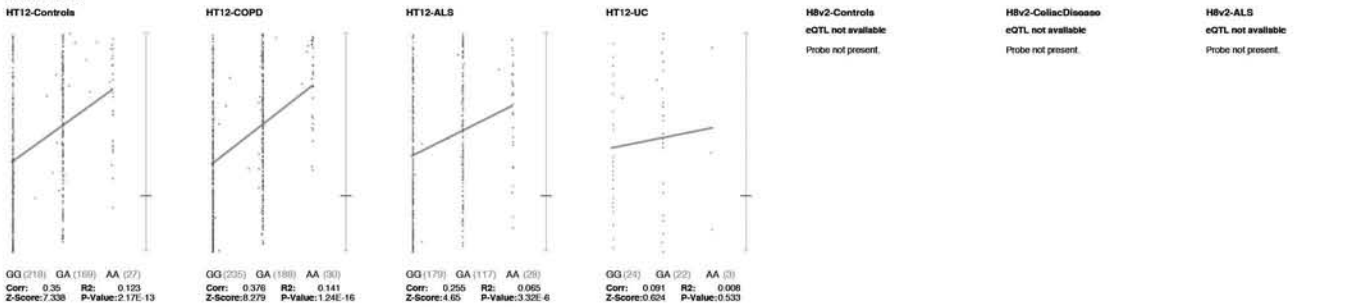
SNP rs12718597 (chr. 7, 50305922 bp)
 Probe 4860181 (chr. 23, 48200866 - 48214509 bp), SLC38A5
 P-Value 3.88E-31



SNP rs9373124 (chr. 6, 135464902 bp)
 Probe 4010040 (chr. 11, 5229996 - 5429091 bp), HBG2@WENST00000399563
 P-Value 1.62E-31

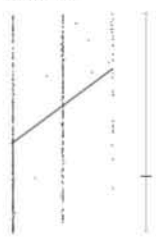


SNP rs8420266 (chr. 6, 135465510 bp)
 Probe 4010040 (chr. 11, 5229996 - 5429091 bp), HBG2@WENST00000399563
 P-Value 7.42E-32



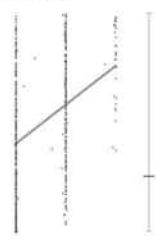
SNP rs495441 (chr. 6, 135468260 bp)
Probe 4010040 (chr. 11, 5229996 - 5429091 bp), HBG2@ENST0000039563
P-Value: 5.89E-33

HT12-Controls



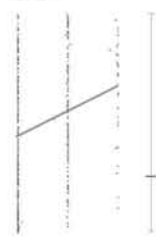
AA (217) AG (167) GG (30)
Corr: 0.36 R2: 0.13
Z-Score:7.568 P-Value:3.8E-14

HT12-COPD



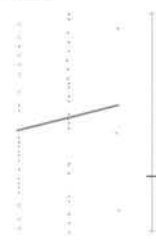
AA (235) AG (187) GG (31)
Corr: 0.379 R2: 0.144
Z-Score:8.361 P-Value:6.29E-17

HT12-ALS



AA (178) AG (118) GG (28)
Corr: 0.256 R2: 0.065
Z-Score:4.665 P-Value:3.09E-6

HT12-UC



AA (22) AG (23) GG (3)
Corr: 0.113 R2: 0.013
Z-Score:0.774 P-Value:0.439

HBv2-Controls

eQTL not available
Probe not present.

HBv2-ColicDisease

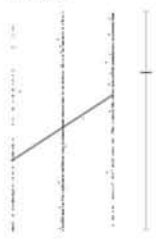
eQTL not available
Probe not present.

HBv2-ALS

eQTL not available
Probe not present.

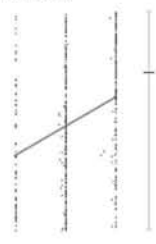
SNP rs12718597 (chr. 7, 50359922 bp)
Probe 1510612 (chr. 17, 4264027 - 42657044 bp), MYL4
P-Value: 5.91E-33

HT12-Controls



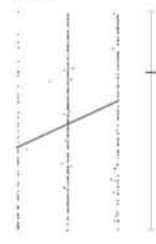
AA (94) AC (197) CC (153)
Corr: 0.354 R2: 0.126
Z-Score:7.434 P-Value:1.05E-13

HT12-COPD



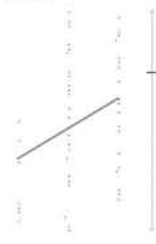
AA (68) AC (220) CC (159)
Corr: 0.308 R2: 0.095
Z-Score:6.693 P-Value:2.18E-11

HT12-ALS



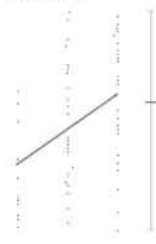
AA (56) AC (163) CC (108)
Corr: 0.247 R2: 0.061
Z-Score:4.487 P-Value:6.89E-6

HT12-UC



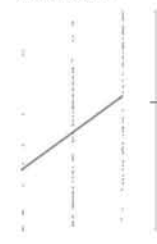
AA (7) AC (20) CC (19)
Corr: 0.321 R2: 0.103
Z-Score:2.251 P-Value:0.024

HBv2-Controls



AA (11) AC (23) CC (25)
Corr: 0.405 R2: 0.164
Z-Score:3.18 P-Value:0.001

HBv2-ColicDisease



AA (11) AC (53) CC (17)
Corr: 0.372 R2: 0.136
Z-Score:4.018 P-Value:5.89E-5

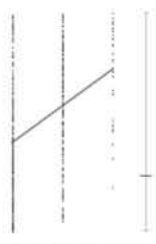
HBv2-ALS



AA (9) AC (35) CC (15)
Corr: 0.02 R2: 0
Z-Score:0.148 P-Value:0.883

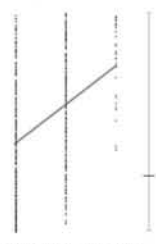
SNP rs9376992 (chr. 6, 135468337 bp)
Probe 4010040 (chr. 11, 5229996 - 5429091 bp), HBG2@ENST0000039563
P-Value: 4.53E-33

HT12-Controls



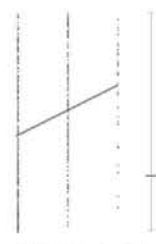
CC (218) CA (167) AA (31)
Corr: 0.364 R2: 0.132
Z-Score:7.646 P-Value:2.07E-14

HT12-COPD



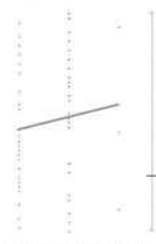
CC (233) CA (189) AA (31)
Corr: 0.305 R2: 0.102
Z-Score:6.295 P-Value:1.09E-16

HT12-ALS



CC (178) CA (118) AA (26)
Corr: 0.257 R2: 0.066
Z-Score:4.692 P-Value:2.71E-6

HT12-UC



CC (22) CA (23) AA (3)
Corr: 0.115 R2: 0.013
Z-Score:0.786 P-Value:0.432

HBv2-Controls

eQTL not available
Probe not present.

HBv2-ColicDisease

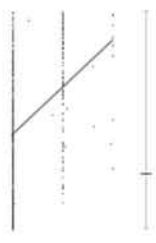
eQTL not available
Probe not present.

HBv2-ALS

eQTL not available
Probe not present.

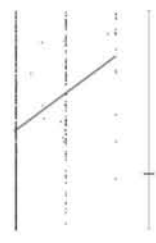
SNP rs1427407 (chr. 2, 60571547 bp)
Probe 450537 (chr. 11, 5229996 - 5429091 bp), HBG2@ENST0000039563
P-Value: 2E-36

HT12-Controls



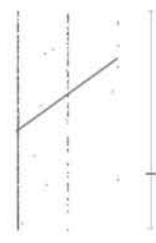
GG (301) GT (101) TT (13)
Corr: 0.378 R2: 0.143
Z-Score:7.966 P-Value:1.64E-15

HT12-COPD



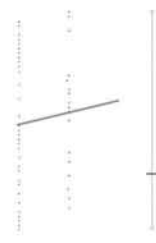
GG (338) GT (105) TT (15)
Corr: 0.305 R2: 0.093
Z-Score:6.642 P-Value:3.09E-11

HT12-ALS



GG (204) GT (84) TT (6)
Corr: 0.282 R2: 0.079
Z-Score:5.158 P-Value:2.49E-7

HT12-UC



GG (32) GT (17) TT (6)
Corr: 0.089 R2: 0.008
Z-Score:0.605 P-Value:0.545

HBv2-Controls



GG (50) GT (6) TT (6)
Corr: 0.274 R2: 0.075
Z-Score:2.103 P-Value:0.035

HBv2-ColicDisease



GG (78) GT (30) TT (3)
Corr: 0.322 R2: 0.104
Z-Score:3.445 P-Value:5.71E-4

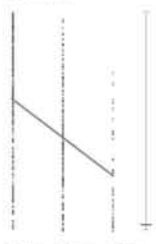
HBv2-ALS



GG (42) GT (15) TT (2)
Corr: 0.49 R2: 0.24
Z-Score:3.941 P-Value:8.13E-5

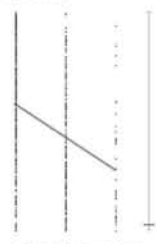
SNP rs2305185 (chr. 5, 32541145 bp)
Probe 2940424 (chr. 7, 36518135 - 36731995 bp), AOH1
P-Value: 1.88E-36

HT12-Controls



GG (209) GT (167) TT (38)
Corr: -0.394 R2: 0.155
Z-Score:8.332 P-Value:7.97E-17

HT12-COPD



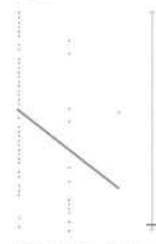
GG (245) GT (173) TT (35)
Corr: -0.338 R2: 0.113
Z-Score:7.337 P-Value:2.19E-13

HT12-ALS



GG (158) GT (145) TT (21)
Corr: -0.222 R2: 0.049
Z-Score:4.035 P-Value:5.46E-5

HT12-UC



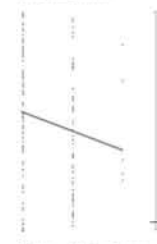
GG (36) GT (12) TT (1)
Corr: -0.3 R2: 0.09
Z-Score:2.097 P-Value:0.036

HBv2-Controls



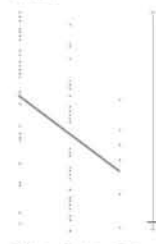
GG (40) GT (17) TT (2)
Corr: -0.455 R2: 0.207
Z-Score:3.618 P-Value:2.97E-4

HBv2-ColicDisease



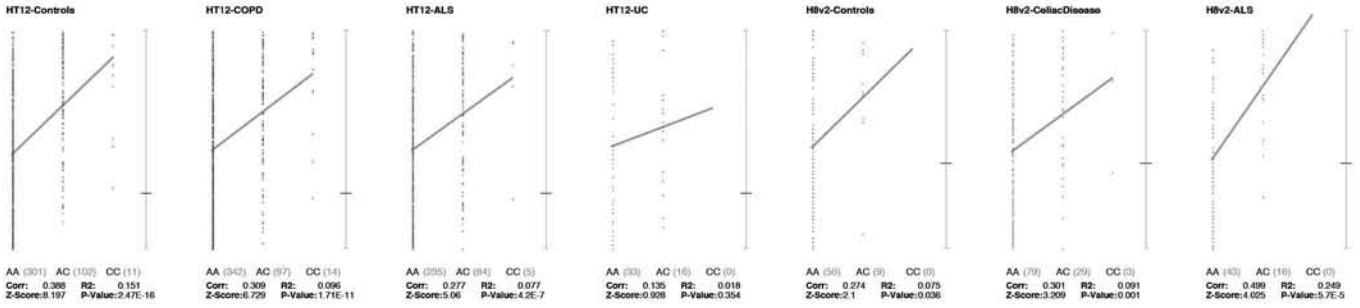
GG (61) GT (45) TT (5)
Corr: -0.176 R2: 0.031
Z-Score:1.842 P-Value:0.065

HBv2-ALS

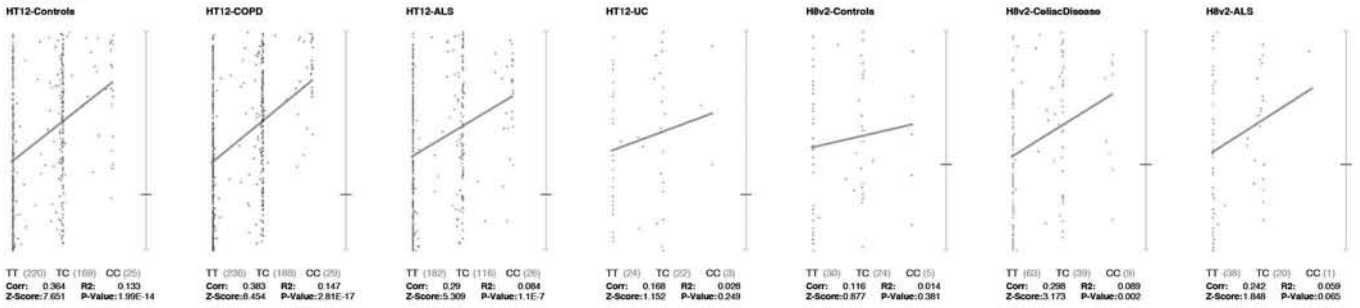


GG (25) GT (26) TT (6)
Corr: -0.382 R2: 0.146
Z-Score:2.982 P-Value:0.003

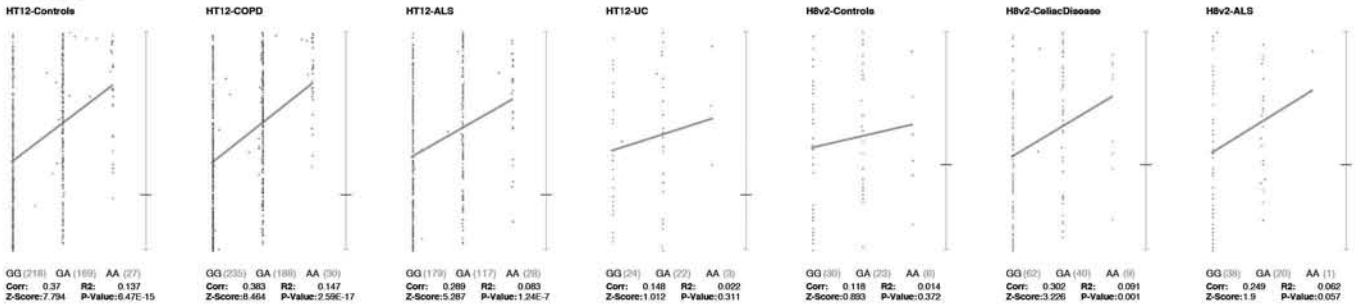
SNP rs766432 (chr. 2, 60573474 bp)
 Probe 450537 (chr. 11, 5229996 - 5429091 bp), HUG2/ENST00000399563
 P-Value: 3.49E-37



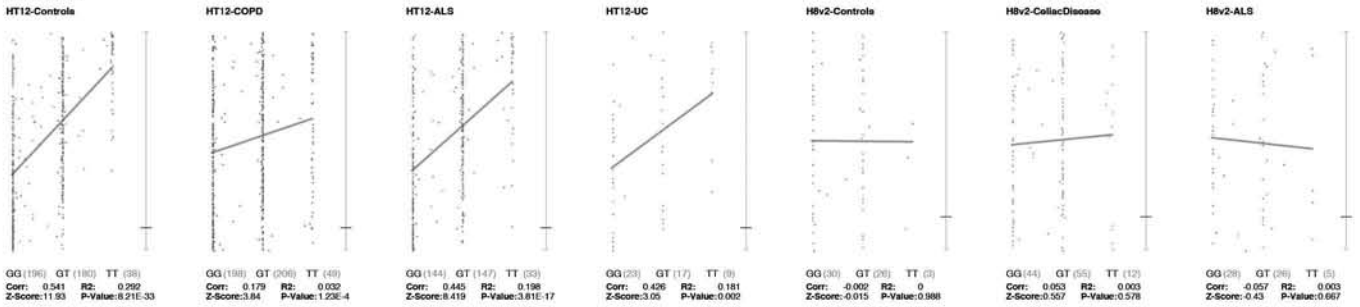
SNP rs9373124 (chr. 6, 135464902 bp)
 Probe 450537 (chr. 11, 5229996 - 5429091 bp), HUG2/ENST00000399563
 P-Value: 5.89E-38



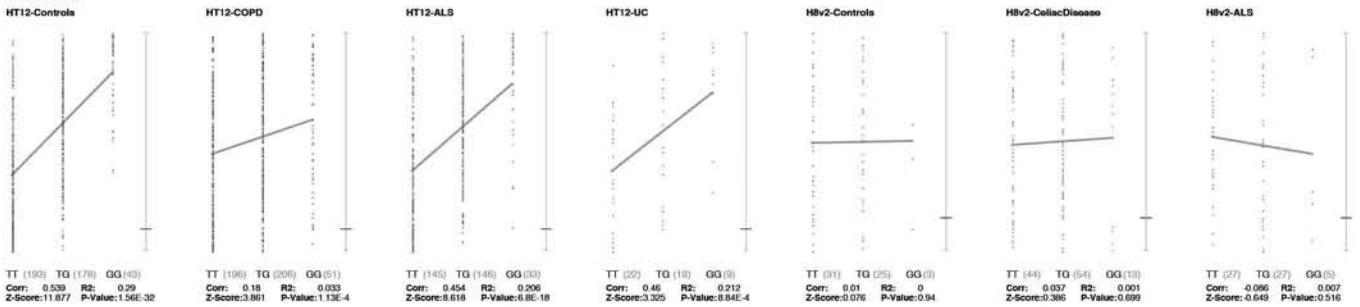
SNP rs9402696 (chr. 6, 135469510 bp)
 Probe 450537 (chr. 11, 5229996 - 5429091 bp), HUG2/ENST00000399563
 P-Value: 2.56E-38



SNP rs2922239 (chr. 12, 54768447 bp)
 Probe 5800554 (chr. 4, 41818859 - 41818859 bp), -
 P-Value: 7.29E-39

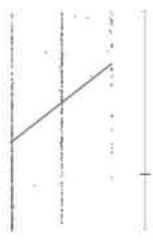


SNP rs1701704 (chr. 12, 54698754 bp)
 Probe 5800554 (chr. 4, 41818859 - 41818859 bp), -
 P-Value: 3.64E-39



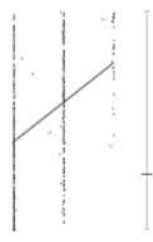
SNP rs495441 (chr. 6, 135468266 bp)
Probe 450537 (chr. 11, 5229996 - 5429091 bp), HUG210000039953
P-Value: 5.79E-40

HT12-Controls



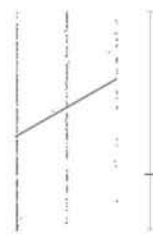
AA (217) AG (167) GG (30)
Corr: 0.383 R2: 0.147
Z-Score:0.076 P-Value:5.7E-16

HT12-COPD



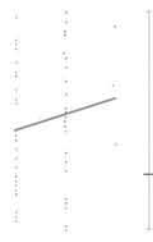
AA (235) AG (187) GG (31)
Corr: 0.387 R2: 0.149
Z-Score:0.54 P-Value:1.34E-17

HT12-ALS



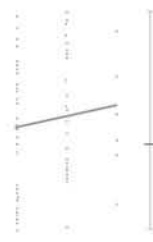
AA (178) AG (118) GG (28)
Corr: 0.289 R2: 0.084
Z-Score:0.295 P-Value:1.19E-7

HT12-UC



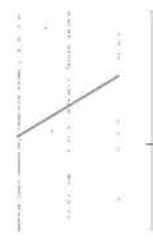
AA (22) AG (23) GG (3)
Corr: 0.15 R2: 0.023
Z-Score:1.032 P-Value:0.302

HBv2-Controls



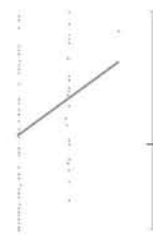
AA (20) AG (23) GG (6)
Corr: 0.118 R2: 0.014
Z-Score:0.89 P-Value:0.374

HBv2-ColicDisease



AA (62) AG (40) GG (9)
Corr: 0.302 R2: 0.091
Z-Score:3.226 P-Value:0.001

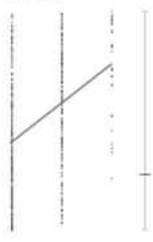
HBv2-ALS



AA (37) AG (21) GG (11)
Corr: 0.296 R2: 0.087
Z-Score:2.274 P-Value:0.023

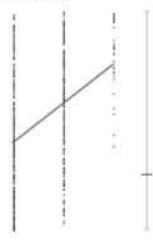
SNP rs9376992 (chr. 6, 135468937 bp)
Probe 450537 (chr. 11, 5229996 - 5429091 bp), HUG210000039953
P-Value: 3.8E-40

HT12-Controls



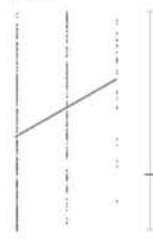
CC (218) CA (167) AA (31)
Corr: 0.387 R2: 0.15
Z-Score:0.166 P-Value:3.19E-16

HT12-COPD



CC (233) CA (188) AA (31)
Corr: 0.383 R2: 0.147
Z-Score:0.453 P-Value:2.83E-17

HT12-ALS



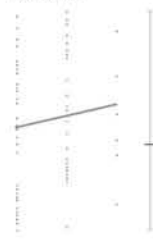
CC (178) CA (118) AA (28)
Corr: 0.29 R2: 0.084
Z-Score:0.321 P-Value:1.03E-7

HT12-UC



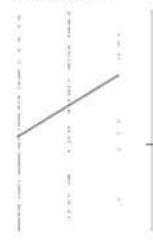
CC (23) CA (23) AA (3)
Corr: 0.153 R2: 0.023
Z-Score:1.05 P-Value:0.294

HBv2-Controls



CC (30) CA (23) AA (6)
Corr: 0.119 R2: 0.014
Z-Score:0.901 P-Value:0.368

HBv2-ColicDisease



CC (62) CA (40) AA (9)
Corr: 0.309 R2: 0.096
Z-Score:3.304 P-Value:9.53E-4

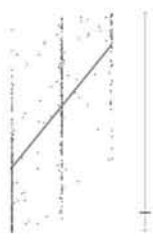
HBv2-ALS



CC (37) CA (21) AA (11)
Corr: 0.296 R2: 0.088
Z-Score:2.276 P-Value:0.023

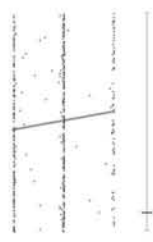
SNP rs1117139 (chr. 12, 54756892 bp)
Probe 5800707 (chr. 4, 17410076 - 17428479 bp), AC110758.2
P-Value: 4.8E-44

HT12-Controls



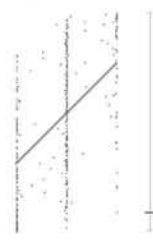
TT (158) TC (196) CC (60)
Corr: 0.651 R2: 0.424
Z-Score:15.061 P-Value:2.92E-51

HT12-COPD



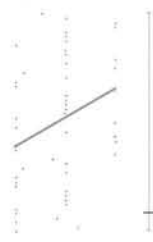
TT (153) TC (225) CC (75)
Corr: 0.696 R2: 0.009
Z-Score:2.047 P-Value:0.041

HT12-ALS



TT (102) TC (174) CC (48)
Corr: 0.509 R2: 0.26
Z-Score:9.829 P-Value:4.7E-23

HT12-UC



TT (18) TC (24) CC (9)
Corr: 0.314 R2: 0.098
Z-Score:2.195 P-Value:0.028

HBv2-Controls



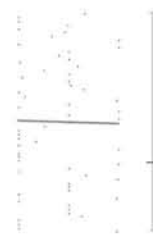
TT (22) TC (32) CC (5)
Corr: 0.046 R2: 0.002
Z-Score:0.347 P-Value:0.729

HBv2-ColicDisease



TT (83) TC (59) CC (19)
Corr: -0.094 R2: 0.009
Z-Score:-0.982 P-Value:0.326

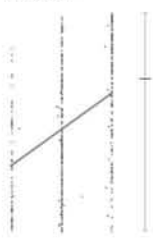
HBv2-ALS



TT (24) TC (25) CC (10)
Corr: 0.015 R2: 0
Z-Score:0.113 P-Value:0.91

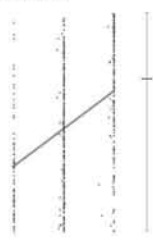
SNP rs12718567 (chr. 7, 50325922 bp)
Probe 4900309 (chr. 2, 190709731 - 19077453 bp), AC010679.6
P-Value: 3.26E-51

HT12-Controls



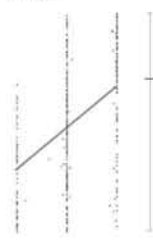
AA (94) AC (197) CC (153)
Corr: 0.394 R2: 0.155
Z-Score:8.327 P-Value:8.26E-17

HT12-COPD



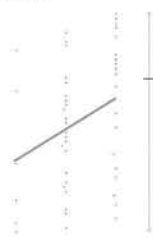
AA (68) AC (226) CC (159)
Corr: 0.401 R2: 0.16
Z-Score:8.875 P-Value:6.98E-19

HT12-ALS



AA (56) AC (163) CC (105)
Corr: 0.454 R2: 0.206
Z-Score:8.613 P-Value:7.09E-18

HT12-UC



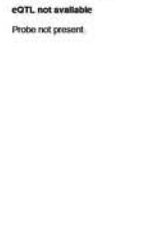
AA (7) AC (23) CC (10)
Corr: 0.333 R2: 0.111
Z-Score:2.536 P-Value:0.019

HBv2-Controls



eQTL not available
Probe not present.

HBv2-ColicDisease



eQTL not available
Probe not present.

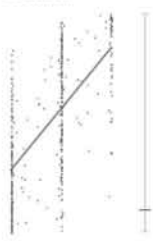
HBv2-ALS



eQTL not available
Probe not present.

SNP rs1117139 (chr. 12, 54756892 bp)
Probe 5800554 (chr. 4, 41816859 - 41816859 bp), -
P-Value: 1.82E-59

HT12-Controls



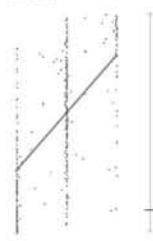
TT (158) TC (196) CC (60)
Corr: 0.644 R2: 0.415
Z-Score:14.844 P-Value:7.66E-50

HT12-COPD



TT (153) TC (225) CC (75)
Corr: 0.213 R2: 0.046
Z-Score:4.581 P-Value:4.63E-6

HT12-ALS



TT (102) TC (174) CC (48)
Corr: 0.589 R2: 0.347
Z-Score:11.707 P-Value:1.17E-31

HT12-UC



TT (18) TC (24) CC (9)
Corr: 0.415 R2: 0.172
Z-Score:2.961 P-Value:0.003

HBv2-Controls



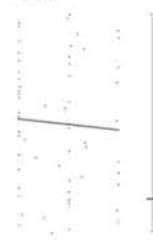
TT (22) TC (32) CC (5)
Corr: -0.032 R2: 0.001
Z-Score:0.239 P-Value:0.811

HBv2-ColicDisease



TT (83) TC (59) CC (19)
Corr: -0.02 R2: 0
Z-Score:0.206 P-Value:0.837

HBv2-ALS



TT (24) TC (25) CC (10)
Corr: 0.061 R2: 0.004
Z-Score:0.458 P-Value:0.647