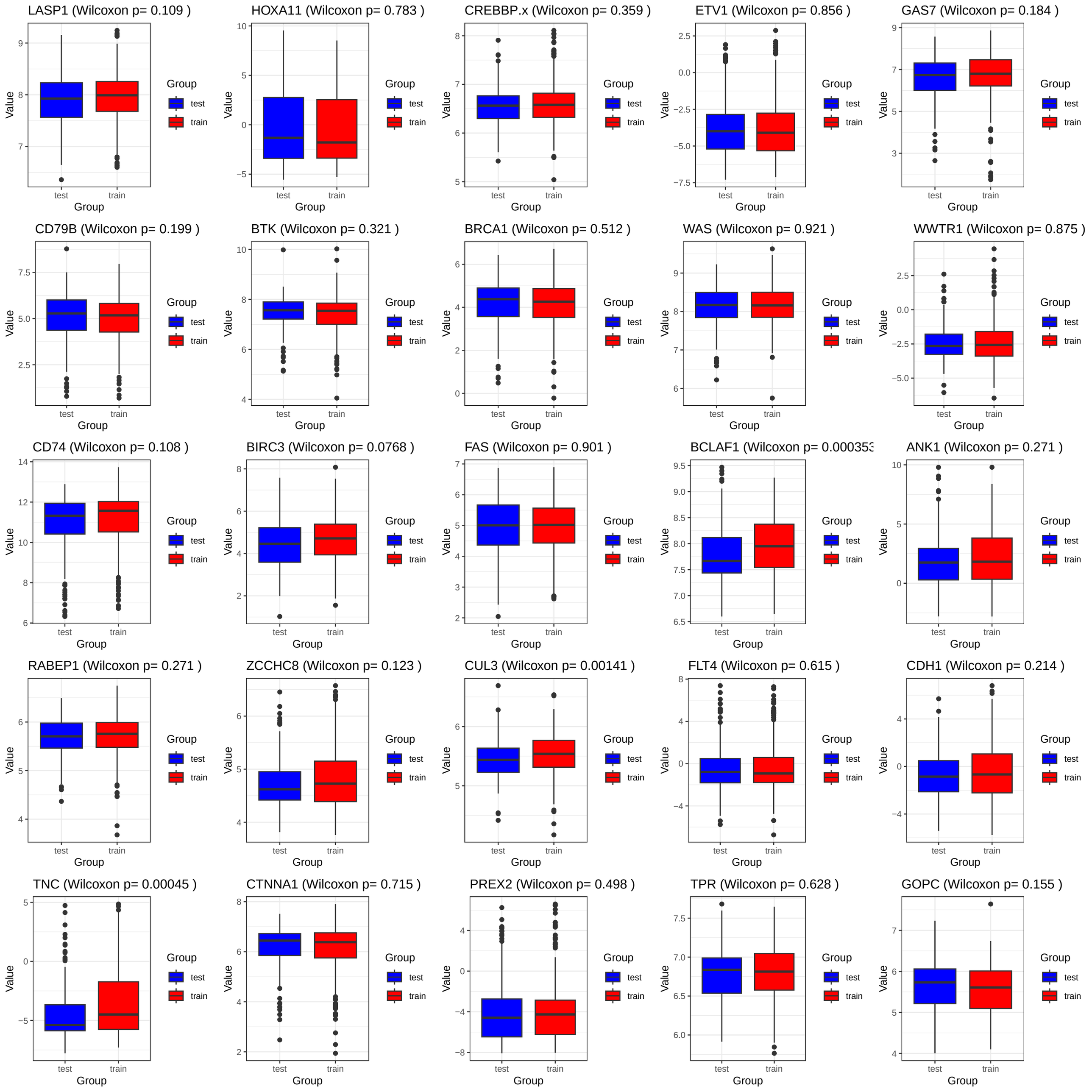
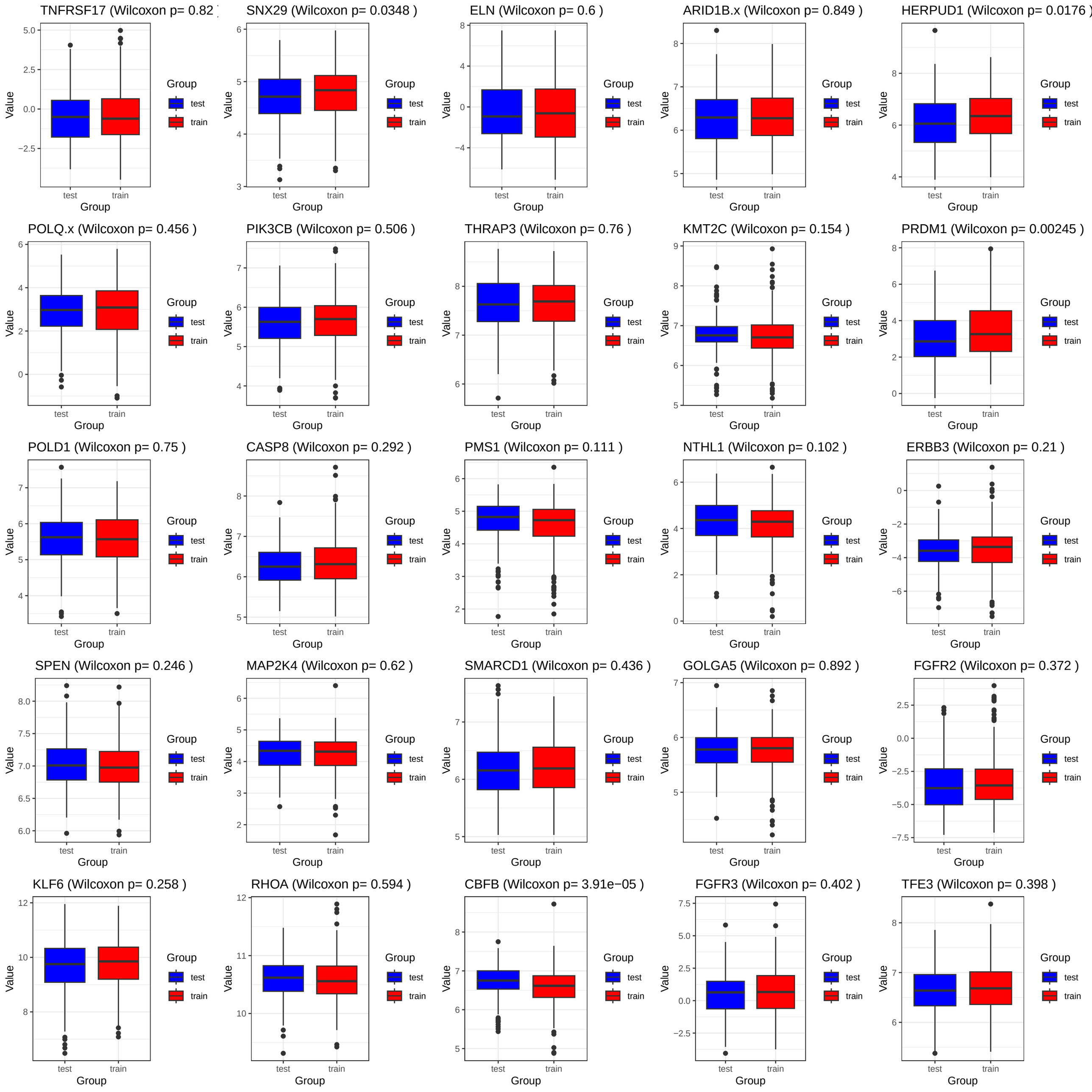
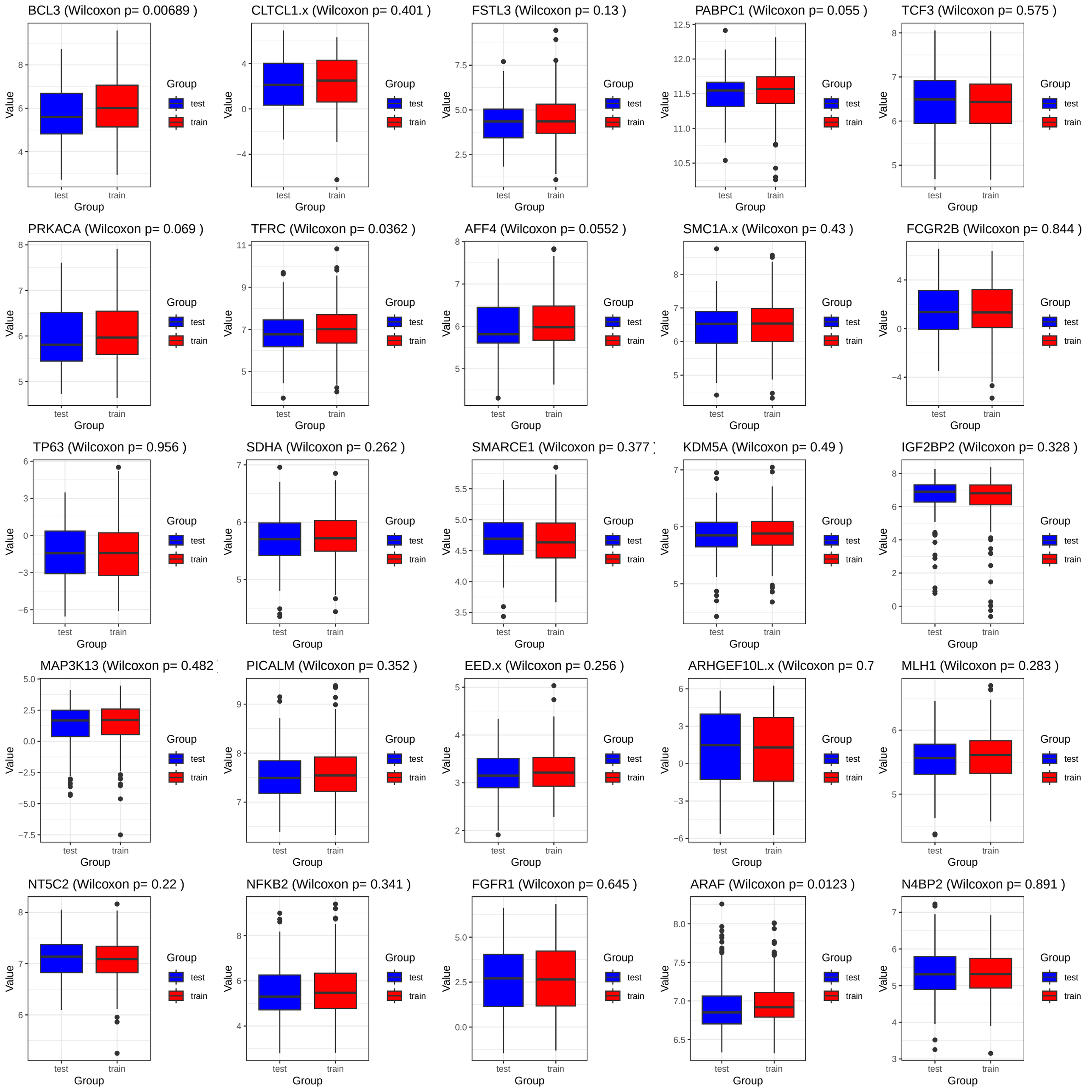
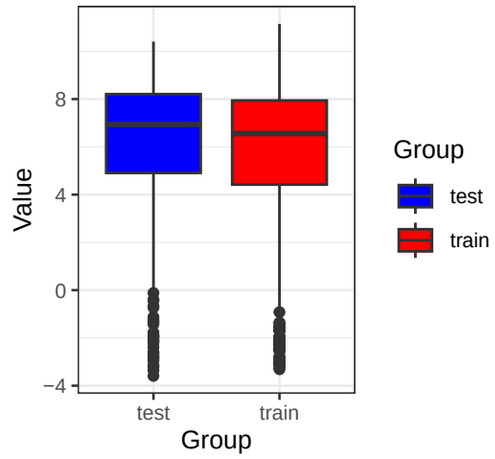

LASP1 (Wilcoxon p= 0.109)
HOXA11 (Wilcoxon p= 0.783)
CREBBP.x (Wilcoxon p= 0.359)
ETV1 (Wilcoxon p= 0.856)
GAS7 (Wilcoxon p= 0.184)
CD79B (Wilcoxon p= 0.199)
BTK (Wilcoxon p= 0.321)
BRCA1 (Wilcoxon p= 0.512)
WAS (Wilcoxon p= 0.921)
WWTR1 (Wilcoxon p= 0.875)
CD74 (Wilcoxon p= 0.108)
BIRC3 (Wilcoxon p= 0.0768)
FAS (Wilcoxon p= 0.901)
BCLAF1 (Wilcoxon p= 0.000353
ANK1 (Wilcoxon p= 0.271)
RABEP1 (Wilcoxon p= 0.271)
ZCCHC8 (Wilcoxon p= 0.123)
CUL3 (Wilcoxon p= 0.00141)
FLT4 (Wilcoxon p= 0.615)
CDH1 (Wilcoxon p= 0.214)
TNC (Wilcoxon p= 0.00045)
CTNNA1 (Wilcoxon p= 0.715)
PREX2 (Wilcoxon p= 0.498)
TPR (Wilcoxon p= 0.628)
GOPC (Wilcoxon p= 0.155)
Value
Group
test
train
Group
test
train

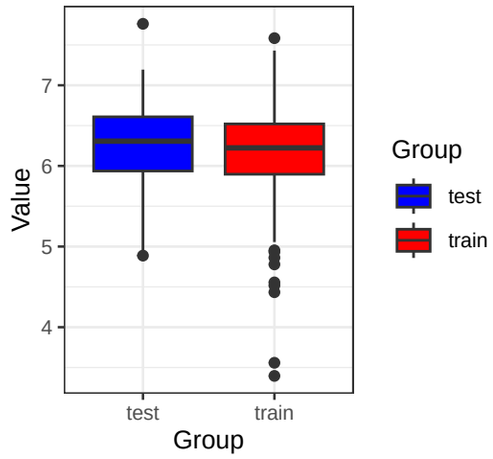

TNFRSF17 (Wilcoxon p= 0.82)
SNX29 (Wilcoxon p= 0.0348)
ELN (Wilcoxon p= 0.6)
ARID1B.x (Wilcoxon p= 0.849)
HERPUD1 (Wilcoxon p= 0.0176)
POLQ.x (Wilcoxon p= 0.456)
PIK3CB (Wilcoxon p= 0.506)
THRAP3 (Wilcoxon p= 0.76)
KMT2C (Wilcoxon p= 0.154)
PRDM1 (Wilcoxon p= 0.00245)
POLD1 (Wilcoxon p= 0.75)
CASP8 (Wilcoxon p= 0.292)
PMS1 (Wilcoxon p= 0.111)
NTHL1 (Wilcoxon p= 0.102)
ERBB3 (Wilcoxon p= 0.21)
SPEN (Wilcoxon p= 0.246)
MAP2K4 (Wilcoxon p= 0.62)
SMARCD1 (Wilcoxon p= 0.436)
GOLGA5 (Wilcoxon p= 0.892)
FGFR2 (Wilcoxon p= 0.372)
KLF6 (Wilcoxon p= 0.258)
RHOA (Wilcoxon p= 0.594)
CBFB (Wilcoxon p= 3.91e−05)
FGFR3 (Wilcoxon p= 0.402)
TFE3 (Wilcoxon p= 0.398)
Value
Group
test
train
Group
test
train


BCL3 (Wilcoxon p= 0.00689)
CLTCL1.x (Wilcoxon p= 0.401)
FSTL3 (Wilcoxon p= 0.13)
PABPC1 (Wilcoxon p= 0.055)
TCF3 (Wilcoxon p= 0.575)
PRKACA (Wilcoxon p= 0.069)
TFRC (Wilcoxon p= 0.0362)
AFF4 (Wilcoxon p= 0.0552)
SMC1A.x (Wilcoxon p= 0.43)
FCGR2B (Wilcoxon p= 0.844)
TP63 (Wilcoxon p= 0.956)
SDHA (Wilcoxon p= 0.262)
SMARCE1 (Wilcoxon p= 0.377)
KDM5A (Wilcoxon p= 0.49)
IGF2BP2 (Wilcoxon p= 0.328)
MAP3K13 (Wilcoxon p= 0.482)
PICALM (Wilcoxon p= 0.352)
EED.x (Wilcoxon p= 0.256)
ARHGEF10L.x (Wilcoxon p= 0.7
MLH1 (Wilcoxon p= 0.283)
NT5C2 (Wilcoxon p= 0.22)
NFKB2 (Wilcoxon p= 0.341)
FGFR1 (Wilcoxon p= 0.645)
ARAF (Wilcoxon p= 0.0123)
N4BP2 (Wilcoxon p= 0.891)
Value
Group
test
train

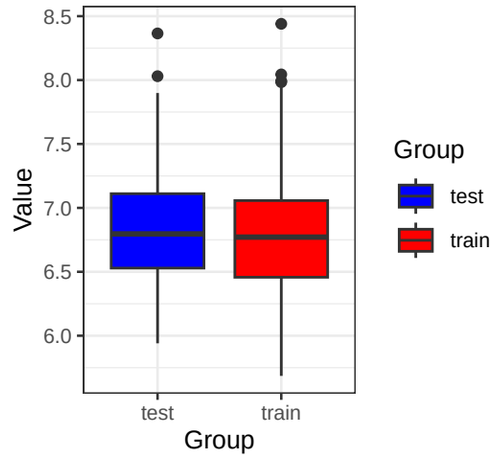
HOXA9 (Wilcoxon p= 0.147)



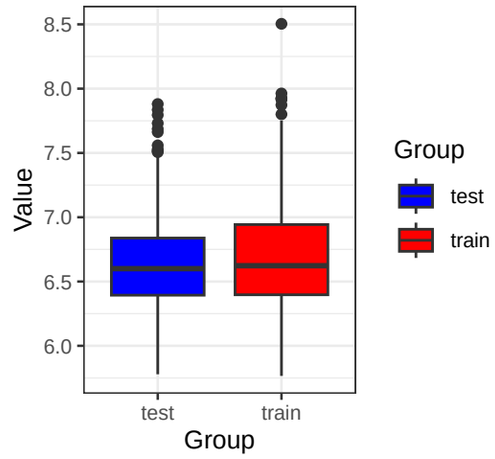
MLLT10 (Wilcoxon p= 0.112)



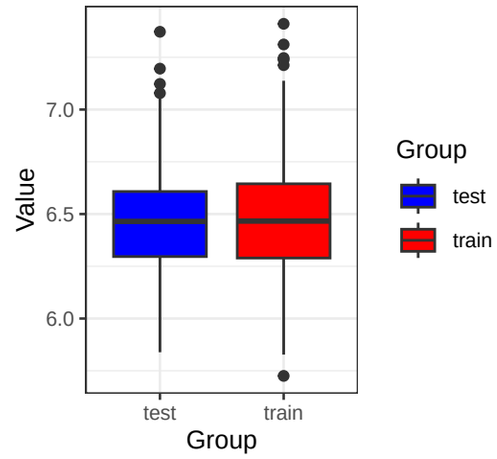
PCM1 (Wilcoxon p= 0.308)



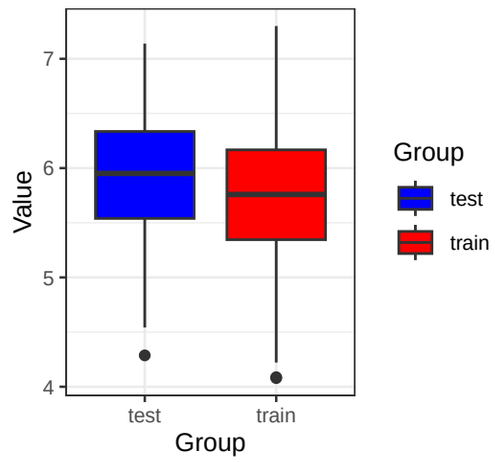
CIC (Wilcoxon p= 0.333)



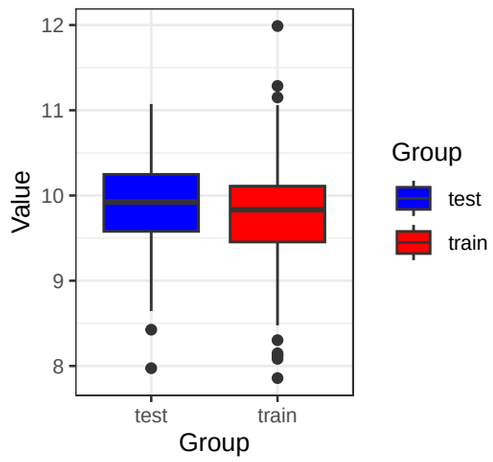
DNM2 (Wilcoxon p= 0.604)



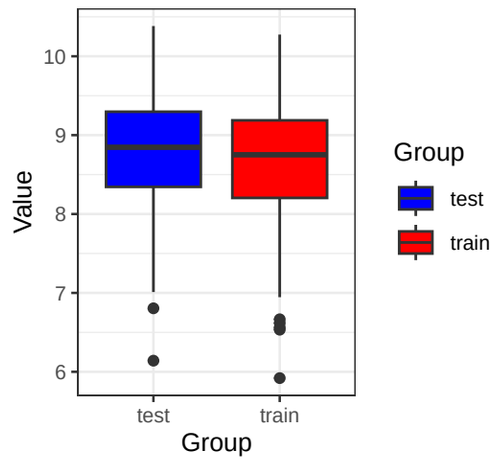
KEAP1 (Wilcoxon p= 0.000766)



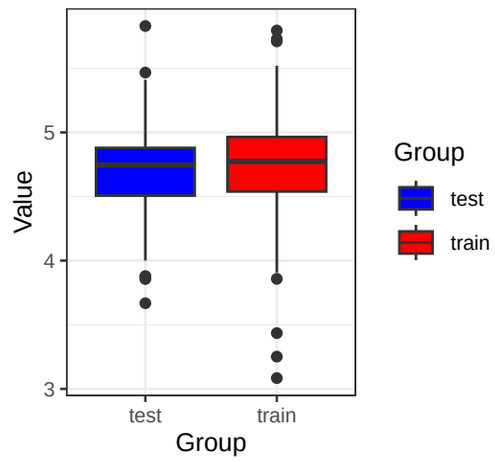
HSP90AA1 (Wilcoxon p= 0.0145



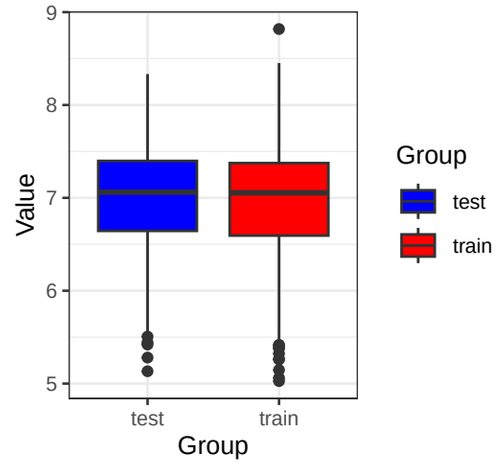
PTPRC (Wilcoxon p= 0.0628)



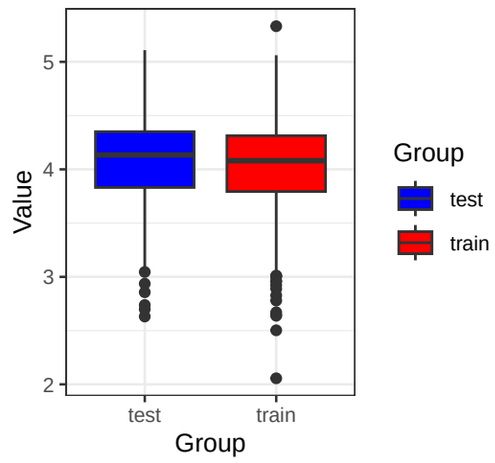
ERC1 (Wilcoxon p= 0.0424)



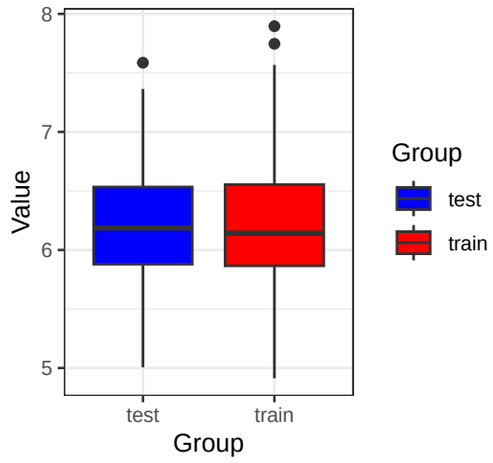
XPO1 (Wilcoxon p= 0.364)



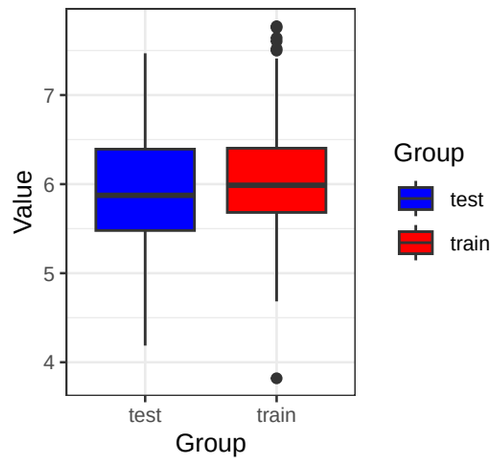
PALB2 (Wilcoxon p= 0.135)



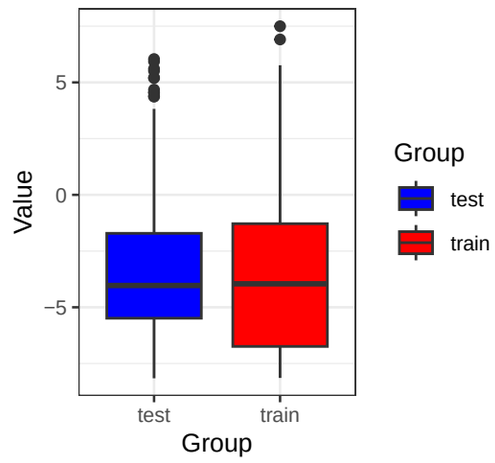
KAT6A (Wilcoxon p= 0.933)



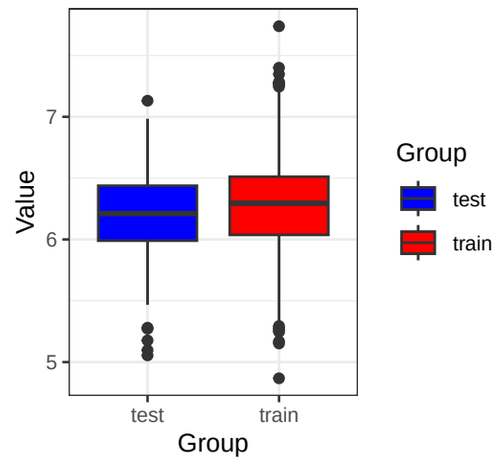
CYLD (Wilcoxon p= 0.0221)



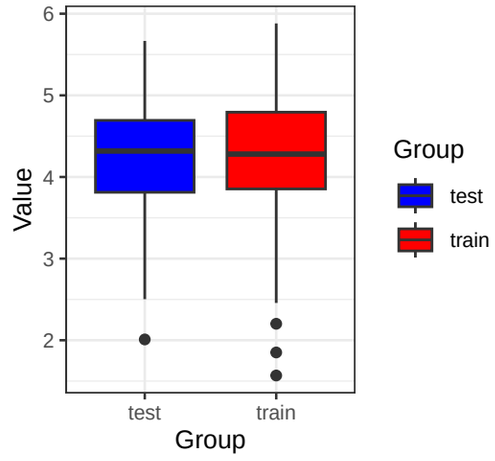
FAT1 (Wilcoxon p= 0.775)



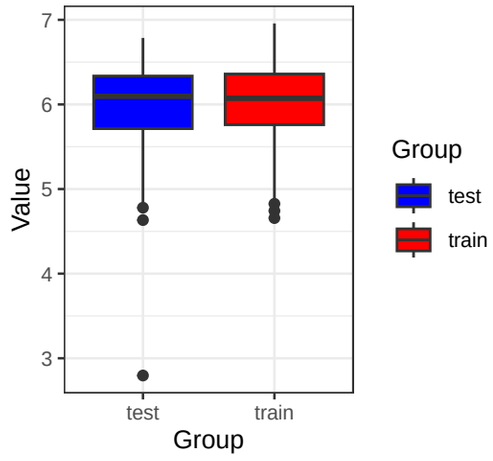
NCOA1 (Wilcoxon p= 0.032)



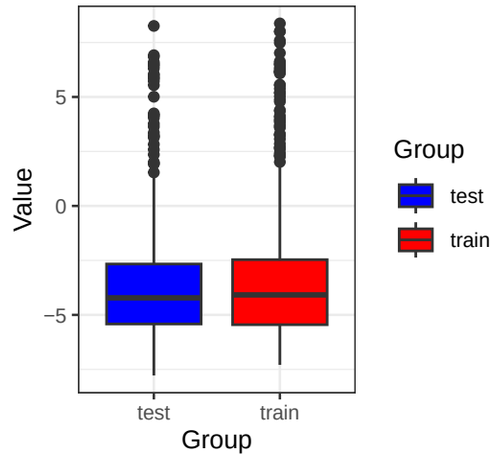
BCORL1.x (Wilcoxon p= 0.479)



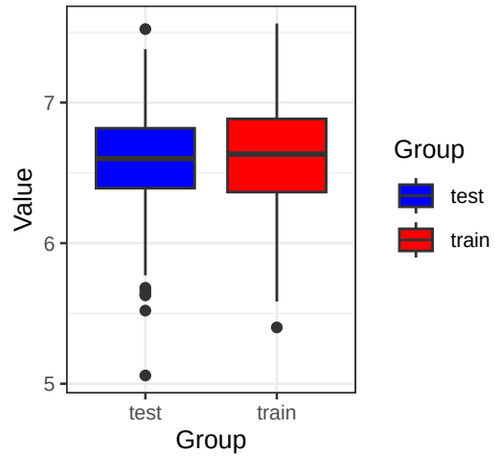
ATRX (Wilcoxon p= 0.453)



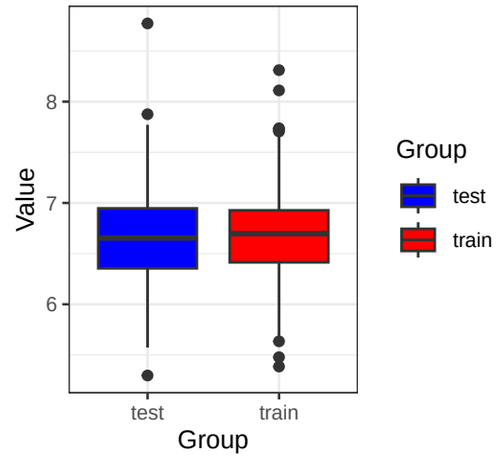
MECOM (Wilcoxon p= 0.502)



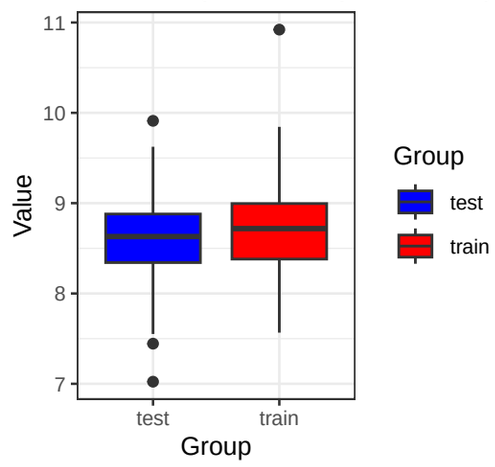
EPS15 (Wilcoxon p= 0.44)



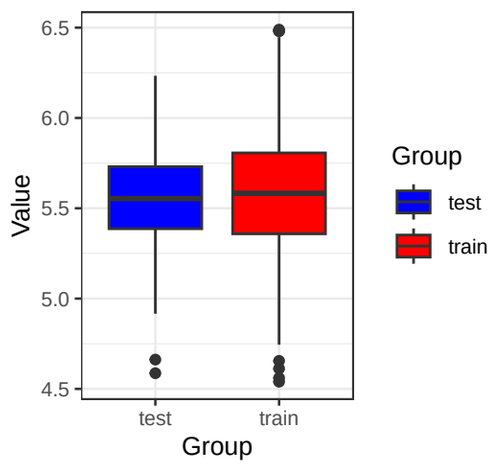
BAX (Wilcoxon p= 0.407)



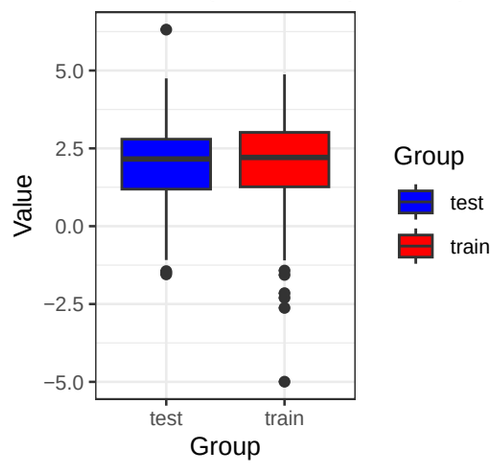
GNAS.x (Wilcoxon p= 0.0585)



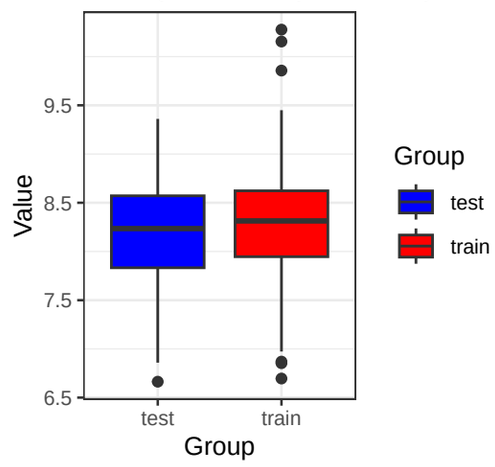
CNOT3 (Wilcoxon p= 0.266)



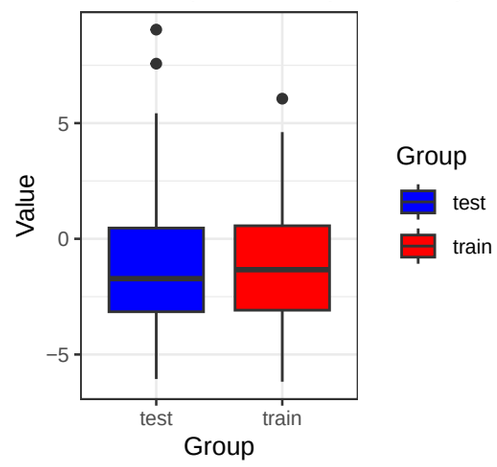
GNA11 (Wilcoxon p= 0.43)

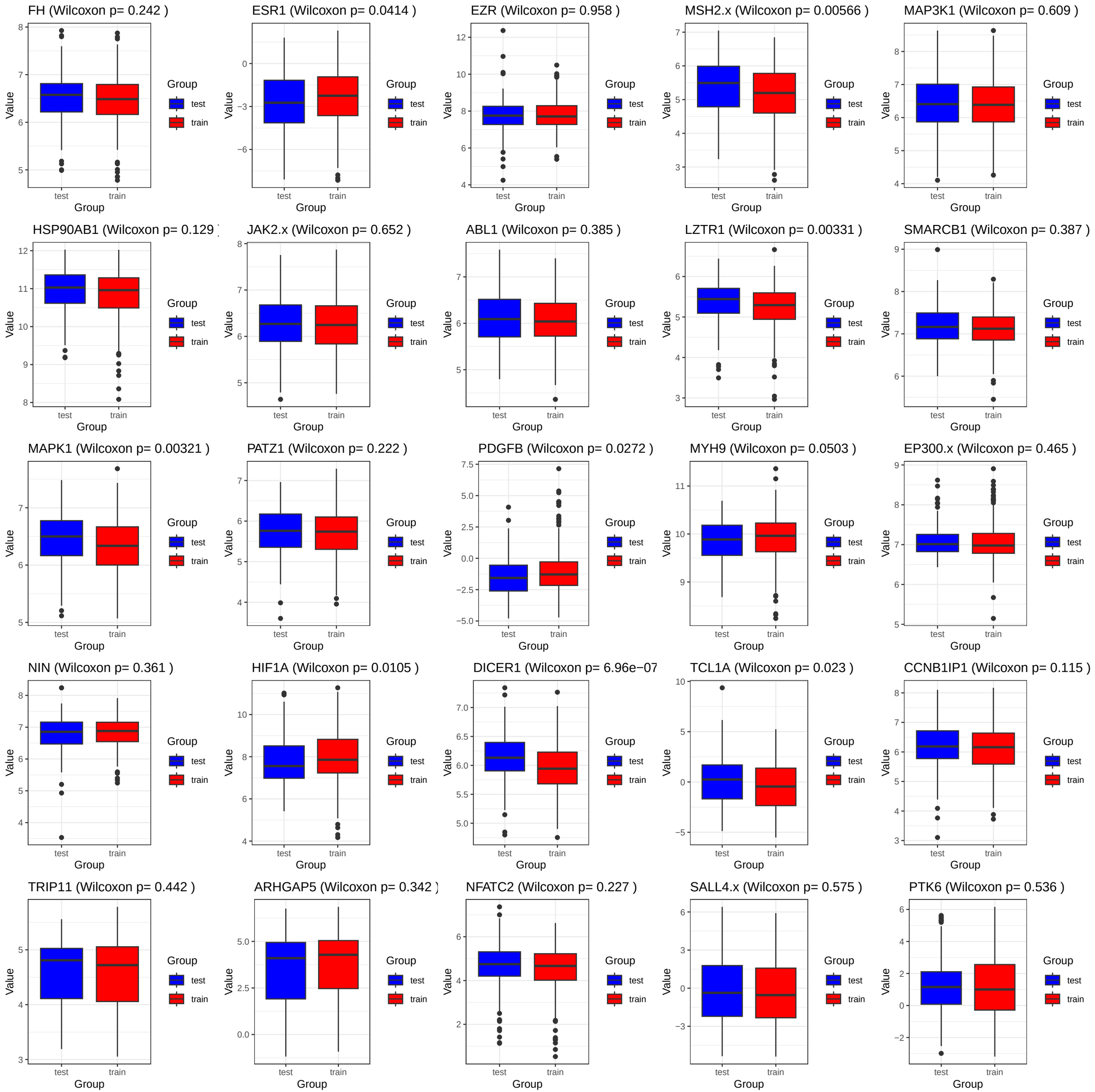


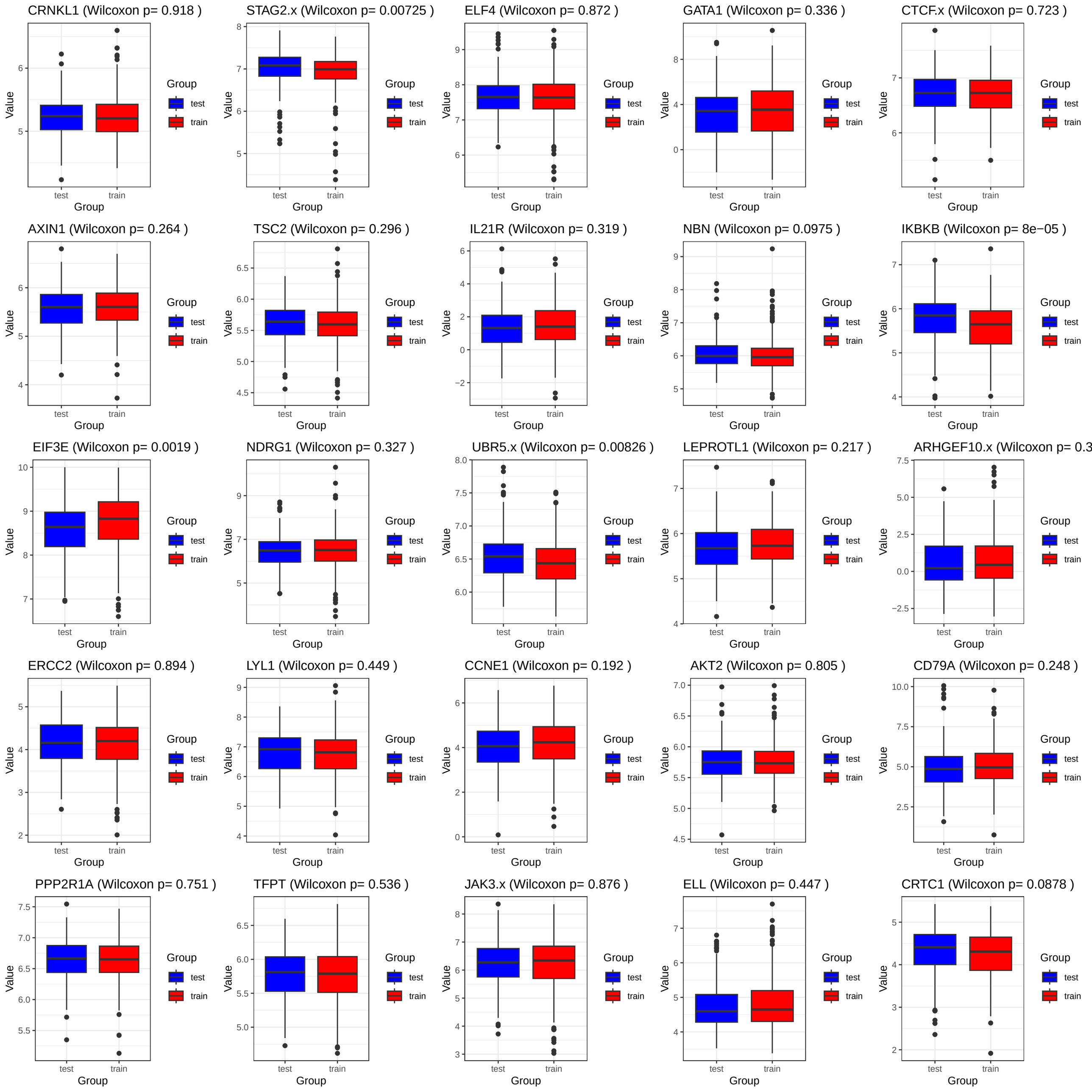
FUS (Wilcoxon p= 0.198)

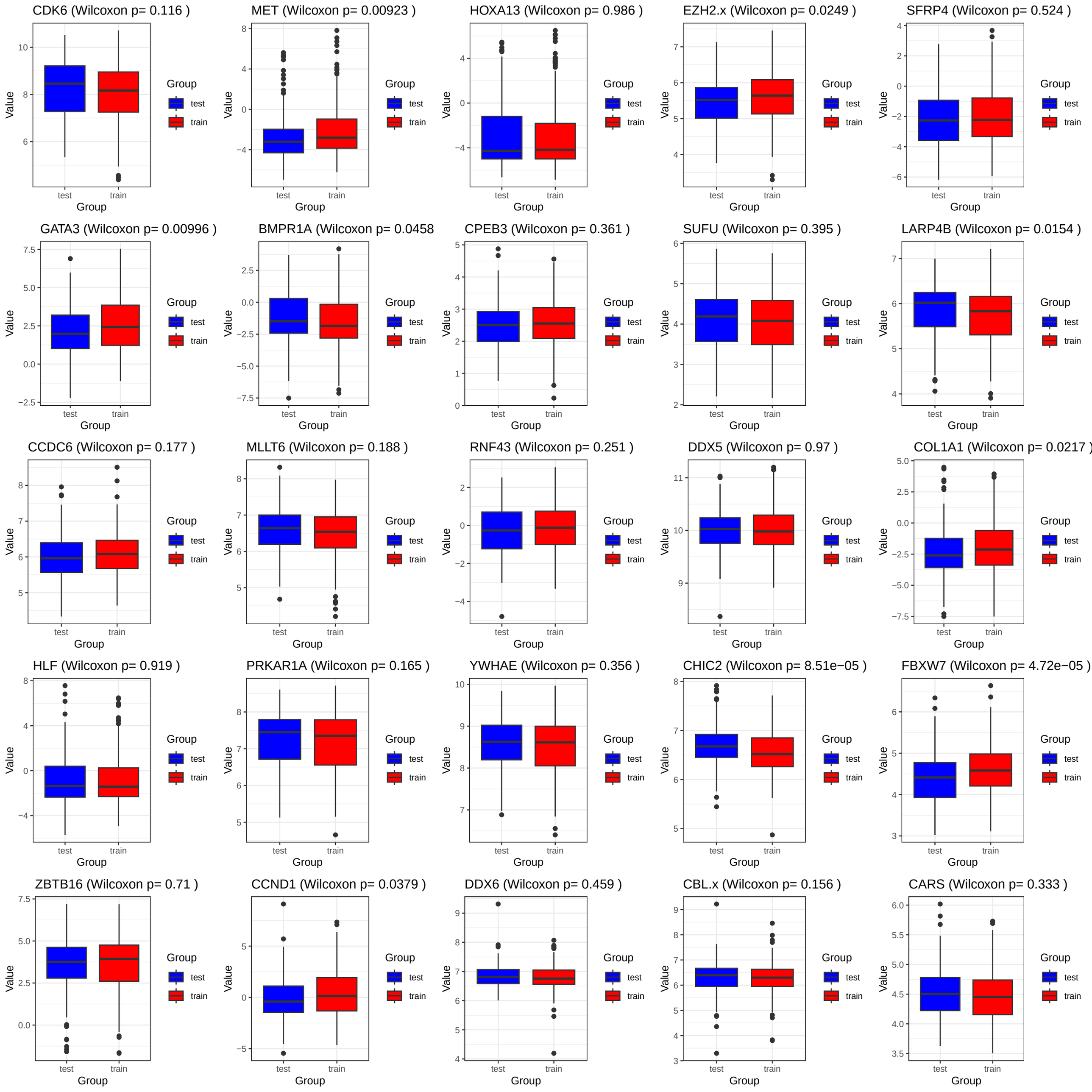


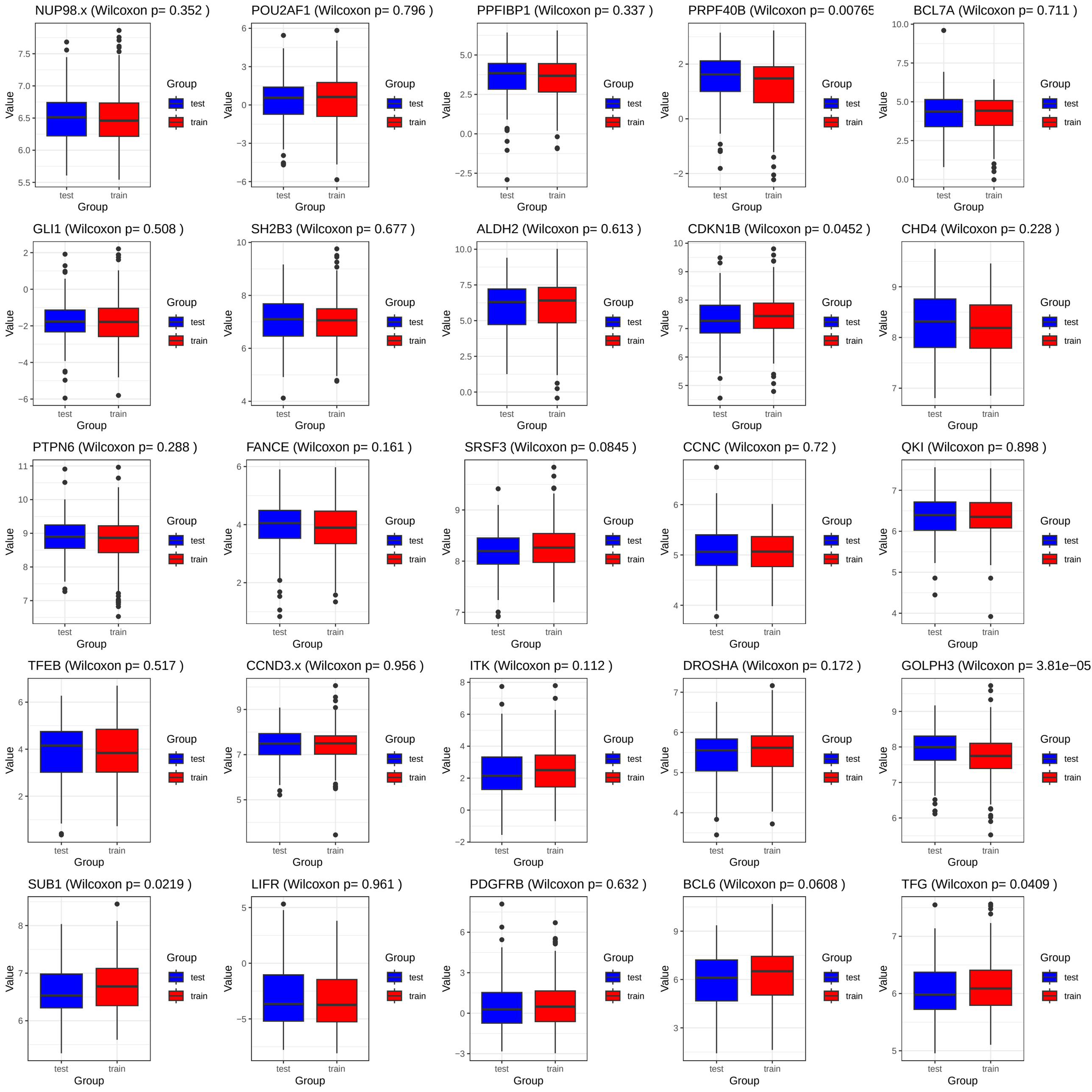
CD209 (Wilcoxon p= 0.737)

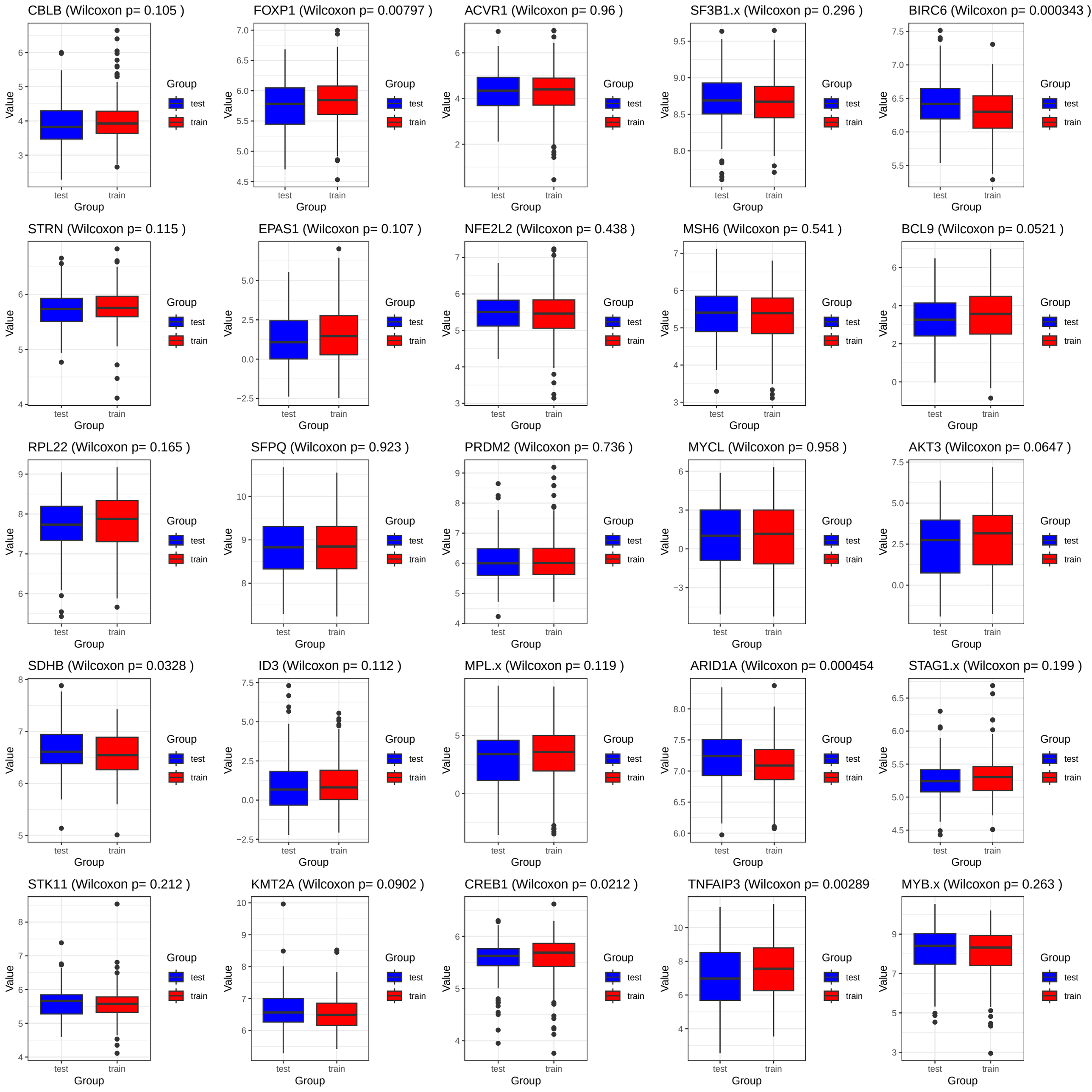


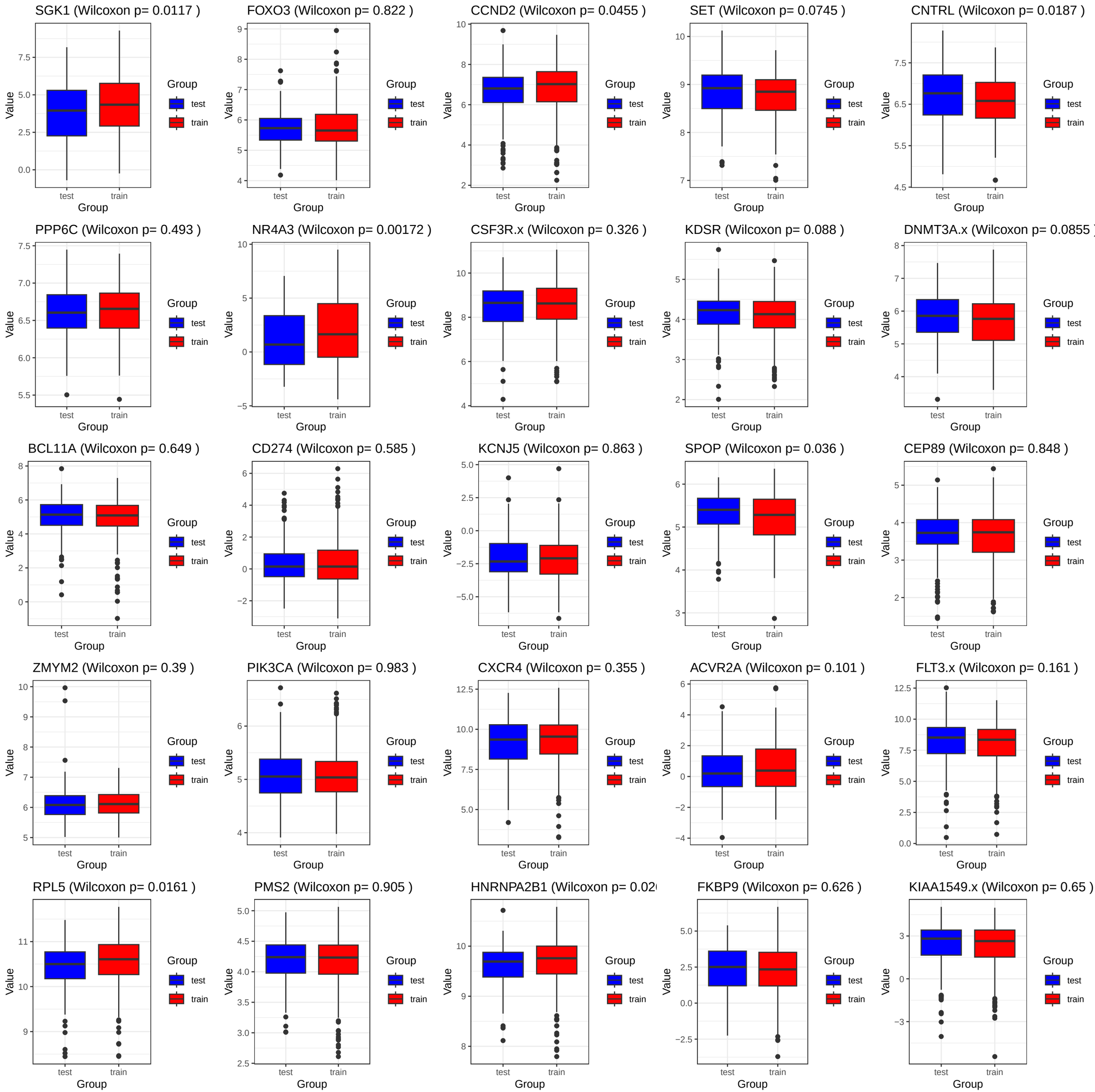

FH (Wilcoxon p= 0.242)
ESR1 (Wilcoxon p= 0.0414)
EZR (Wilcoxon p= 0.958)
MSH2.x (Wilcoxon p= 0.00566)
MAP3K1 (Wilcoxon p= 0.609)
HSP90AB1 (Wilcoxon p= 0.129)
JAK2.x (Wilcoxon p= 0.652)
ABL1 (Wilcoxon p= 0.385)
LZTR1 (Wilcoxon p= 0.00331)
SMARCB1 (Wilcoxon p= 0.387)
MAPK1 (Wilcoxon p= 0.00321)
PATZ1 (Wilcoxon p= 0.222)
PDGFB (Wilcoxon p= 0.0272)
MYH9 (Wilcoxon p= 0.0503)
EP300.x (Wilcoxon p= 0.465)
NIN (Wilcoxon p= 0.361)
HIF1A (Wilcoxon p= 0.0105)
DICER1 (Wilcoxon p= 6.96e−07
TCL1A (Wilcoxon p= 0.023)
CCNB1IP1 (Wilcoxon p= 0.115)
TRIP11 (Wilcoxon p= 0.442)
ARHGAP5 (Wilcoxon p= 0.342)
NFATC2 (Wilcoxon p= 0.227)
SALL4.x (Wilcoxon p= 0.575)
PTK6 (Wilcoxon p= 0.536)
Value
Group
test
train

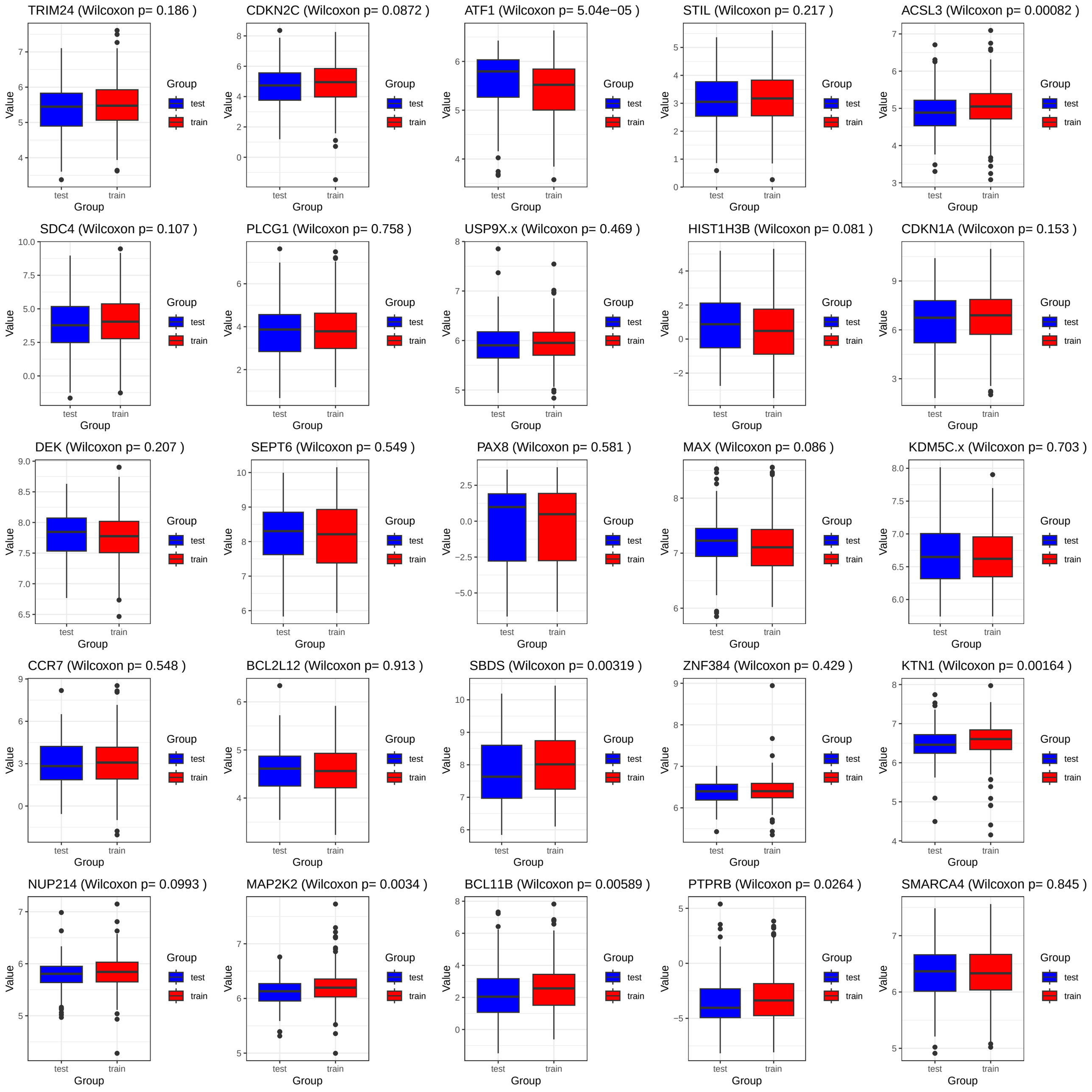

CRNKL1 (Wilcoxon p= 0.918)
STAG2.x (Wilcoxon p= 0.00725)
ELF4 (Wilcoxon p= 0.872)
GATA1 (Wilcoxon p= 0.336)
CTCF.x (Wilcoxon p= 0.723)
AXIN1 (Wilcoxon p= 0.264)
TSC2 (Wilcoxon p= 0.296)
IL21R (Wilcoxon p= 0.319)
NBN (Wilcoxon p= 0.0975)
IKBKB (Wilcoxon p= 8e−05)
EIF3E (Wilcoxon p= 0.0019)
NDRG1 (Wilcoxon p= 0.327)
UBR5.x (Wilcoxon p= 0.00826)
LEPROTL1 (Wilcoxon p= 0.217)
ARHGEF10.x (Wilcoxon p= 0.3
ERCC2 (Wilcoxon p= 0.894)
LYL1 (Wilcoxon p= 0.449)
CCNE1 (Wilcoxon p= 0.192)
AKT2 (Wilcoxon p= 0.805)
CD79A (Wilcoxon p= 0.248)
PPP2R1A (Wilcoxon p= 0.751)
TFPT (Wilcoxon p= 0.536)
JAK3.x (Wilcoxon p= 0.876)
ELL (Wilcoxon p= 0.447)
CRTC1 (Wilcoxon p= 0.0878)
Value
Group
test
train

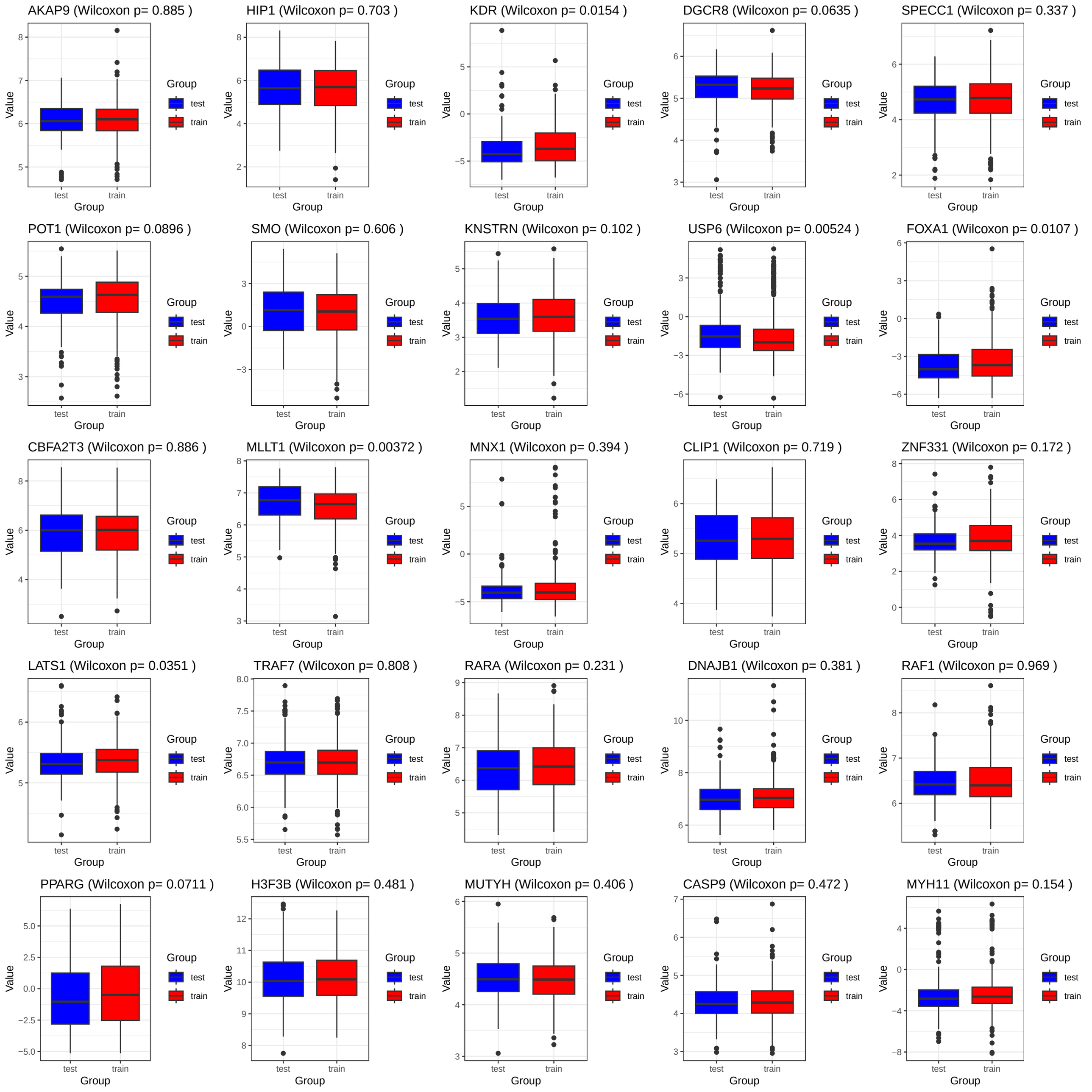

CDK6 (Wilcoxon p= 0.116)
MET (Wilcoxon p= 0.00923)
HOXA13 (Wilcoxon p= 0.986)
EZH2.x (Wilcoxon p= 0.0249)
SFRP4 (Wilcoxon p= 0.524)
GATA3 (Wilcoxon p= 0.00996)
BMPR1A (Wilcoxon p= 0.0458
CPEB3 (Wilcoxon p= 0.361)
SUFU (Wilcoxon p= 0.395)
LARP4B (Wilcoxon p= 0.0154)
CCDC6 (Wilcoxon p= 0.177)
MLLT6 (Wilcoxon p= 0.188)
RNF43 (Wilcoxon p= 0.251)
DDX5 (Wilcoxon p= 0.97)
COL1A1 (Wilcoxon p= 0.0217)
HLF (Wilcoxon p= 0.919)
PRKAR1A (Wilcoxon p= 0.165)
YWHAE (Wilcoxon p= 0.356)
CHIC2 (Wilcoxon p= 8.51e−05)
FBXW7 (Wilcoxon p= 4.72e−05)
ZBTB16 (Wilcoxon p= 0.71)
CCND1 (Wilcoxon p= 0.0379)
DDX6 (Wilcoxon p= 0.459)
CBL.x (Wilcoxon p= 0.156)
CARS (Wilcoxon p= 0.333)
Value
Group
test
train

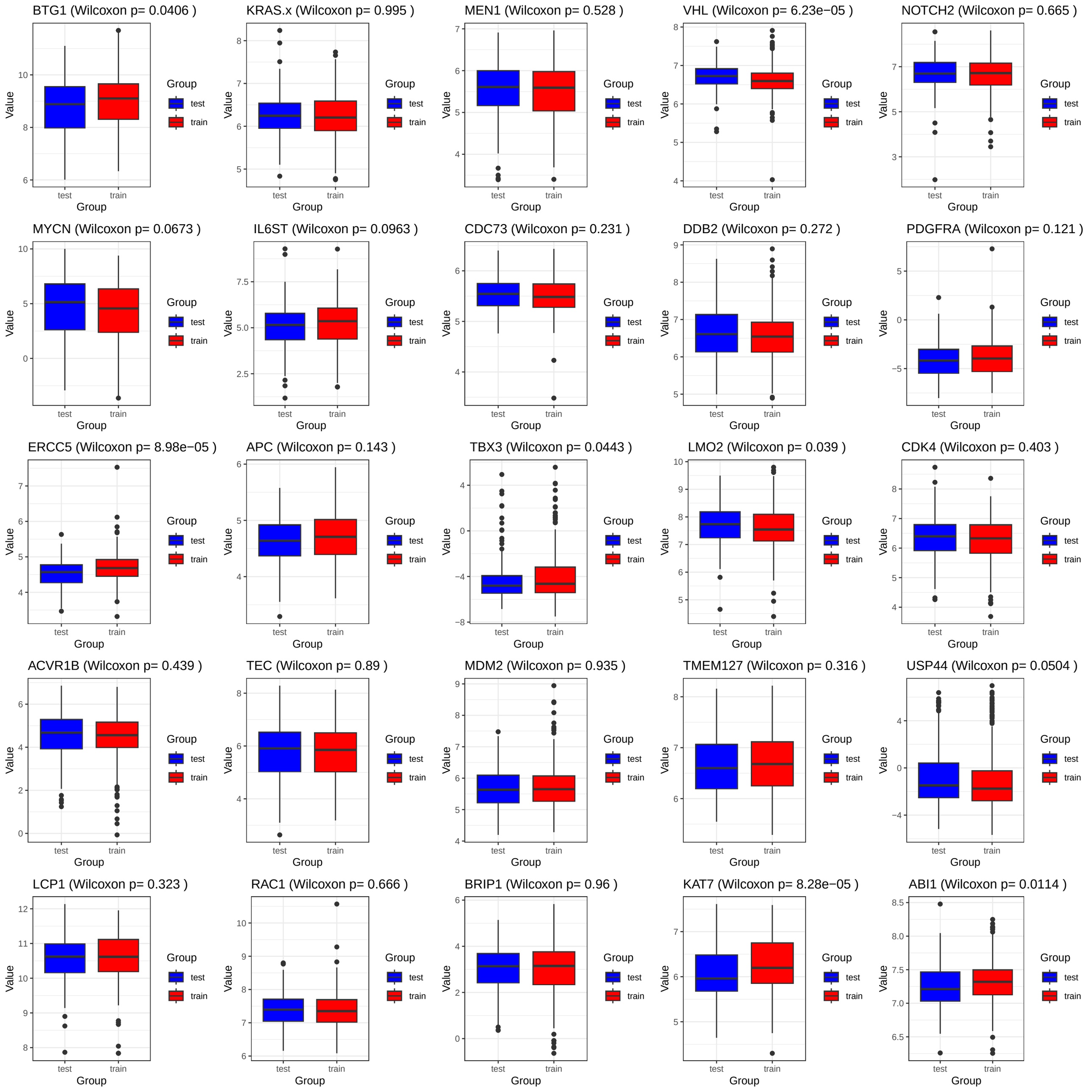

NUP98.x (Wilcoxon p= 0.352)
POU2AF1 (Wilcoxon p= 0.796)
PPFIBP1 (Wilcoxon p= 0.337)
PRPF40B (Wilcoxon p= 0.00765
BCL7A (Wilcoxon p= 0.711)
GLI1 (Wilcoxon p= 0.508)
SH2B3 (Wilcoxon p= 0.677)
ALDH2 (Wilcoxon p= 0.613)
CDKN1B (Wilcoxon p= 0.0452)
CHD4 (Wilcoxon p= 0.228)
PTPN6 (Wilcoxon p= 0.288)
FANCE (Wilcoxon p= 0.161)
SRSF3 (Wilcoxon p= 0.0845)
CCNC (Wilcoxon p= 0.72)
QKI (Wilcoxon p= 0.898)
TFEB (Wilcoxon p= 0.517)
CCND3.x (Wilcoxon p= 0.956)
ITK (Wilcoxon p= 0.112)
DROSHA (Wilcoxon p= 0.172)
GOLPH3 (Wilcoxon p= 3.81e−05
SUB1 (Wilcoxon p= 0.0219)
LIFR (Wilcoxon p= 0.961)
PDGFRB (Wilcoxon p= 0.632)
BCL6 (Wilcoxon p= 0.0608)
TFG (Wilcoxon p= 0.0409)
Value
Group
test
train
Group
test
train

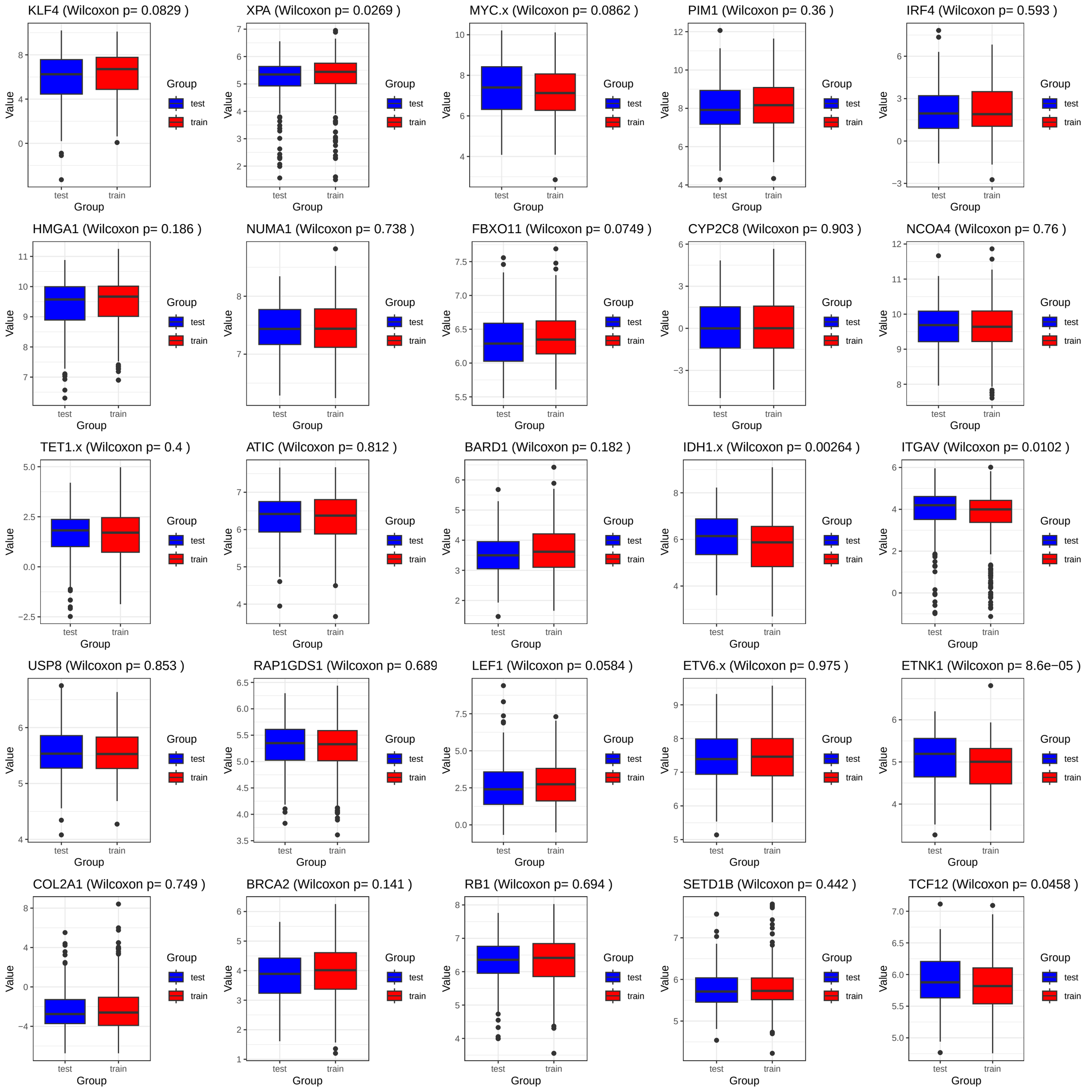

CBLB (Wilcoxon p= 0.105)
FOXP1 (Wilcoxon p= 0.00797)
ACVR1 (Wilcoxon p= 0.96)
SF3B1.x (Wilcoxon p= 0.296)
BIRC6 (Wilcoxon p= 0.000343)
STRN (Wilcoxon p= 0.115)
EPAS1 (Wilcoxon p= 0.107)
NFE2L2 (Wilcoxon p= 0.438)
MSH6 (Wilcoxon p= 0.541)
BCL9 (Wilcoxon p= 0.0521)
RPL22 (Wilcoxon p= 0.165)
SFPQ (Wilcoxon p= 0.923)
PRDM2 (Wilcoxon p= 0.736)
MYCL (Wilcoxon p= 0.958)
AKT3 (Wilcoxon p= 0.0647)
SDHB (Wilcoxon p= 0.0328)
ID3 (Wilcoxon p= 0.112)
MPL.x (Wilcoxon p= 0.119)
ARID1A (Wilcoxon p= 0.000454
STAG1.x (Wilcoxon p= 0.199)
STK11 (Wilcoxon p= 0.212)
KMT2A (Wilcoxon p= 0.0902)
CREB1 (Wilcoxon p= 0.0212)
TNFAIP3 (Wilcoxon p= 0.00289
MYB.x (Wilcoxon p= 0.263)
Value
Group
test
train

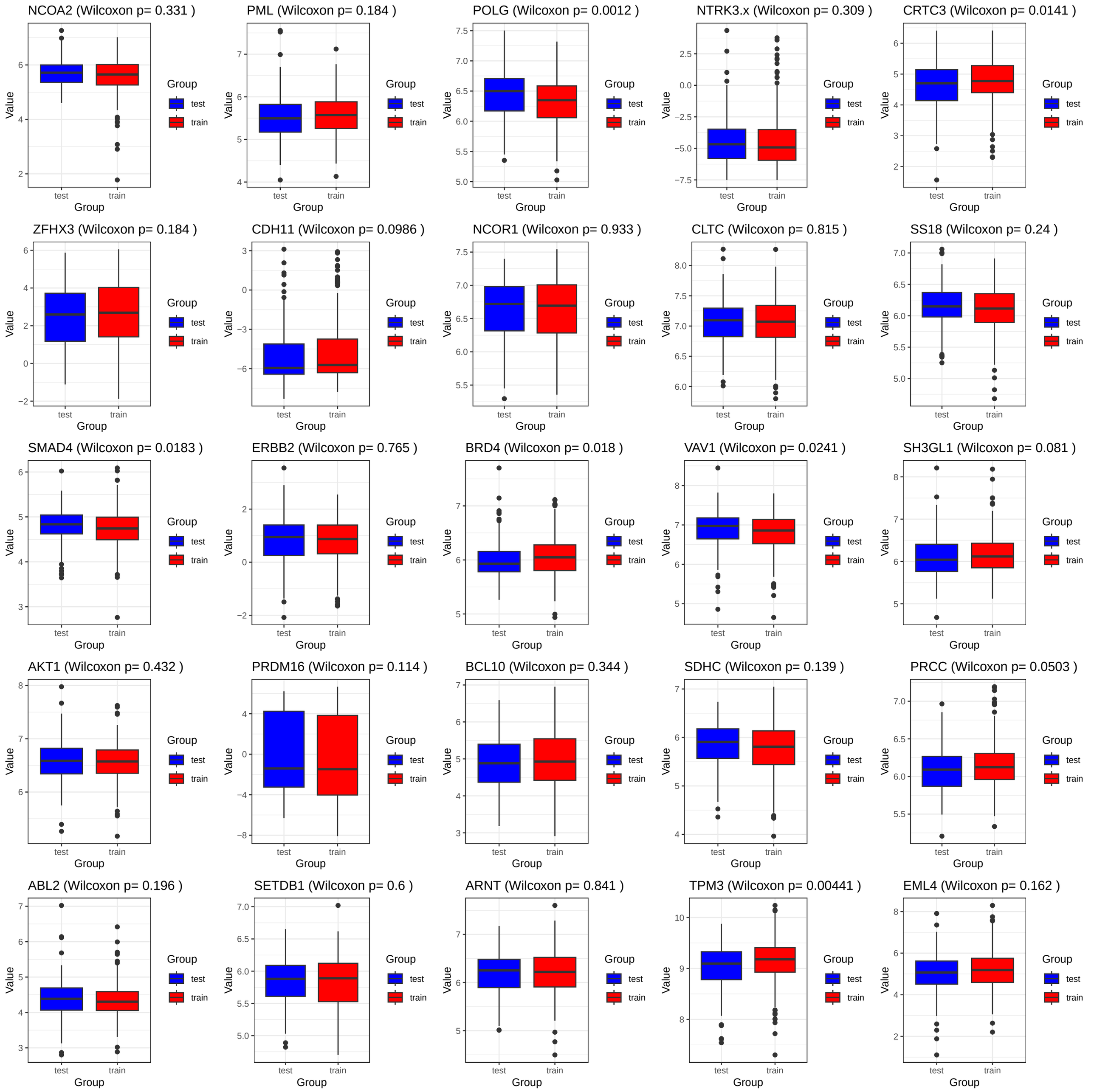

SGK1 (Wilcoxon p= 0.0117)
FOXO3 (Wilcoxon p= 0.822)
CCND2 (Wilcoxon p= 0.0455)
SET (Wilcoxon p= 0.0745)
CNTRL (Wilcoxon p= 0.0187)
PPP6C (Wilcoxon p= 0.493)
NR4A3 (Wilcoxon p= 0.00172)
CSF3R.x (Wilcoxon p= 0.326)
KDSR (Wilcoxon p= 0.088)
DNMT3A.x (Wilcoxon p= 0.0855
BCL11A (Wilcoxon p= 0.649)
CD274 (Wilcoxon p= 0.585)
KCNJ5 (Wilcoxon p= 0.863)
SPOP (Wilcoxon p= 0.036)
CEP89 (Wilcoxon p= 0.848)
ZMYM2 (Wilcoxon p= 0.39)
PIK3CA (Wilcoxon p= 0.983)
CXCR4 (Wilcoxon p= 0.355)
ACVR2A (Wilcoxon p= 0.101)
FLT3.x (Wilcoxon p= 0.161)
RPL5 (Wilcoxon p= 0.0161)
PMS2 (Wilcoxon p= 0.905)
HNRNPA2B1 (Wilcoxon p= 0.02
FKBP9 (Wilcoxon p= 0.626)
KIAA1549.x (Wilcoxon p= 0.65)
Value
Group
test
train

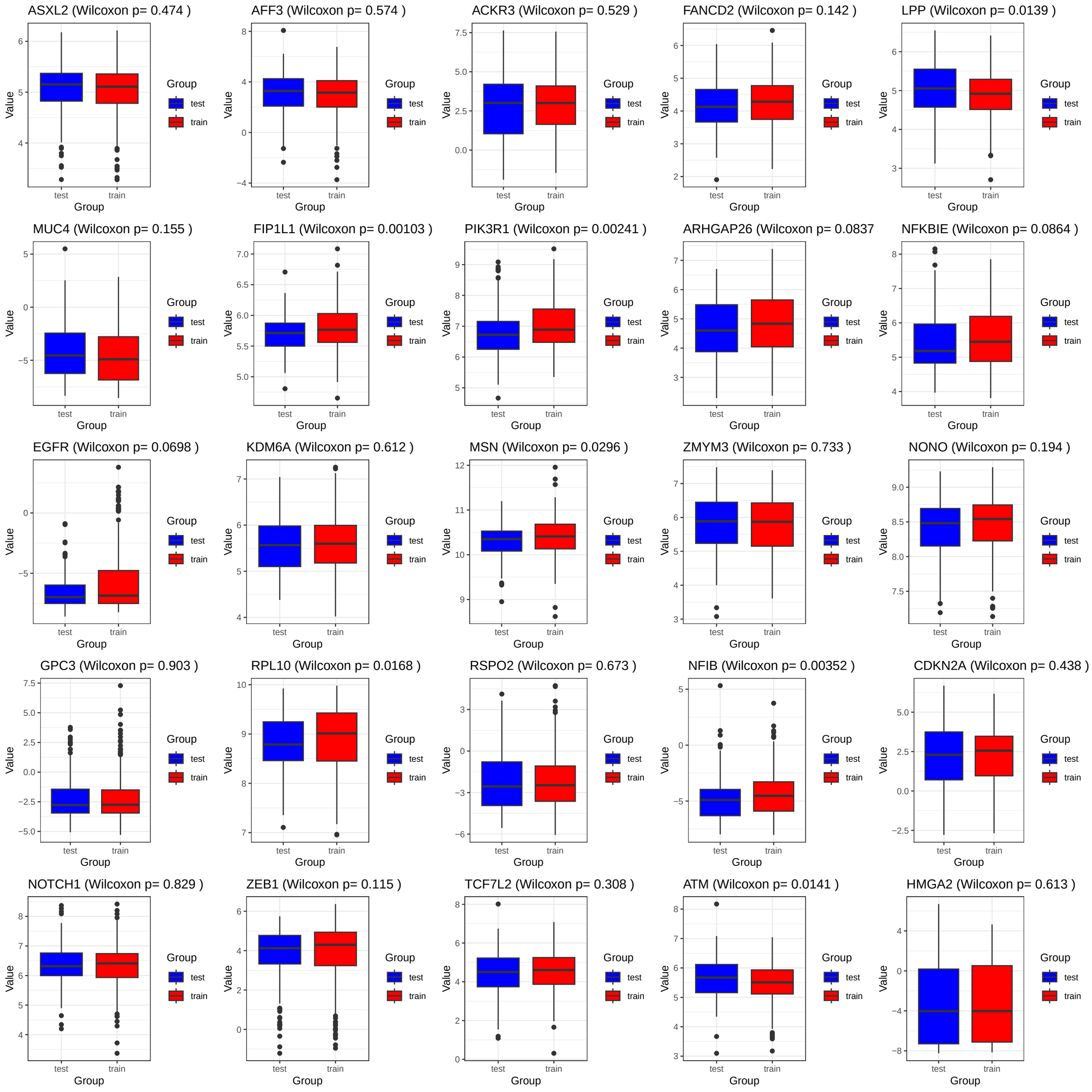

TRIM24 (Wilcoxon p= 0.186)
CDKN2C (Wilcoxon p= 0.0872)
ATF1 (Wilcoxon p= 5.04e−05)
STIL (Wilcoxon p= 0.217)
ACSL3 (Wilcoxon p= 0.00082)
SDC4 (Wilcoxon p= 0.107)
PLCG1 (Wilcoxon p= 0.758)
USP9X.x (Wilcoxon p= 0.469)
HIST1H3B (Wilcoxon p= 0.081)
CDKN1A (Wilcoxon p= 0.153)
DEK (Wilcoxon p= 0.207)
SEPT6 (Wilcoxon p= 0.549)
PAX8 (Wilcoxon p= 0.581)
MAX (Wilcoxon p= 0.086)
KDM5C.x (Wilcoxon p= 0.703)
CCR7 (Wilcoxon p= 0.548)
BCL2L12 (Wilcoxon p= 0.913)
SBDS (Wilcoxon p= 0.00319)
ZNF384 (Wilcoxon p= 0.429)
KTN1 (Wilcoxon p= 0.00164)
NUP214 (Wilcoxon p= 0.0993)
MAP2K2 (Wilcoxon p= 0.0034)
BCL11B (Wilcoxon p= 0.00589)
PTPRB (Wilcoxon p= 0.0264)
SMARCA4 (Wilcoxon p= 0.845)
Value
Group
test
train

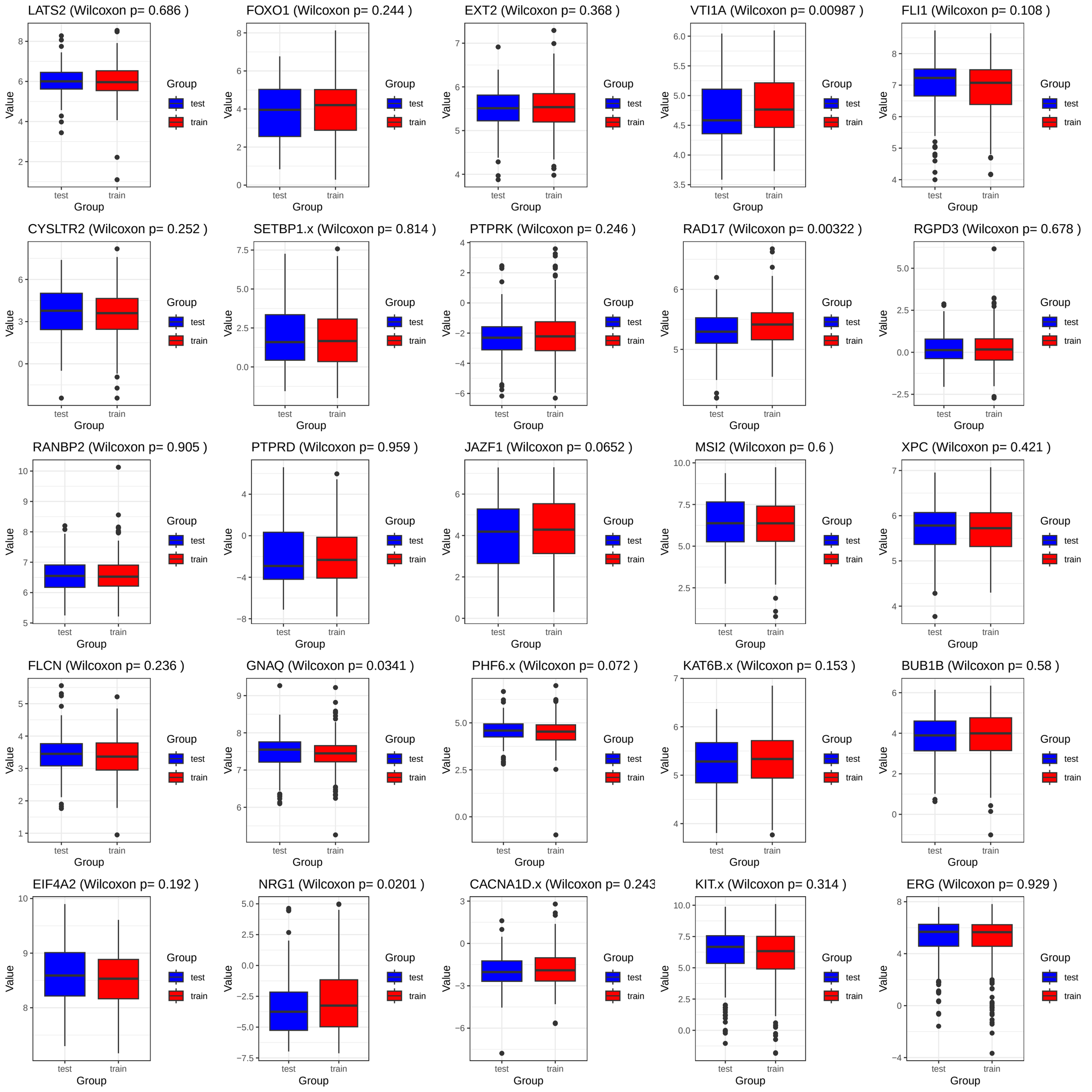

AKAP9 (Wilcoxon p= 0.885)
HIP1 (Wilcoxon p= 0.703)
KDR (Wilcoxon p= 0.0154)
DGCR8 (Wilcoxon p= 0.0635)
SPECC1 (Wilcoxon p= 0.337)
POT1 (Wilcoxon p= 0.0896)
SMO (Wilcoxon p= 0.606)
KNSTRN (Wilcoxon p= 0.102)
USP6 (Wilcoxon p= 0.00524)
FOXA1 (Wilcoxon p= 0.0107)
CBFA2T3 (Wilcoxon p= 0.886)
MLLT1 (Wilcoxon p= 0.00372)
MNX1 (Wilcoxon p= 0.394)
CLIP1 (Wilcoxon p= 0.719)
ZNF331 (Wilcoxon p= 0.172)
LATS1 (Wilcoxon p= 0.0351)
TRAF7 (Wilcoxon p= 0.808)
RARA (Wilcoxon p= 0.231)
DNAJB1 (Wilcoxon p= 0.381)
RAF1 (Wilcoxon p= 0.969)
PPARG (Wilcoxon p= 0.0711)
H3F3B (Wilcoxon p= 0.481)
MUTYH (Wilcoxon p= 0.406)
CASP9 (Wilcoxon p= 0.472)
MYH11 (Wilcoxon p= 0.154)
Value
Group
test
train
Group
test
train

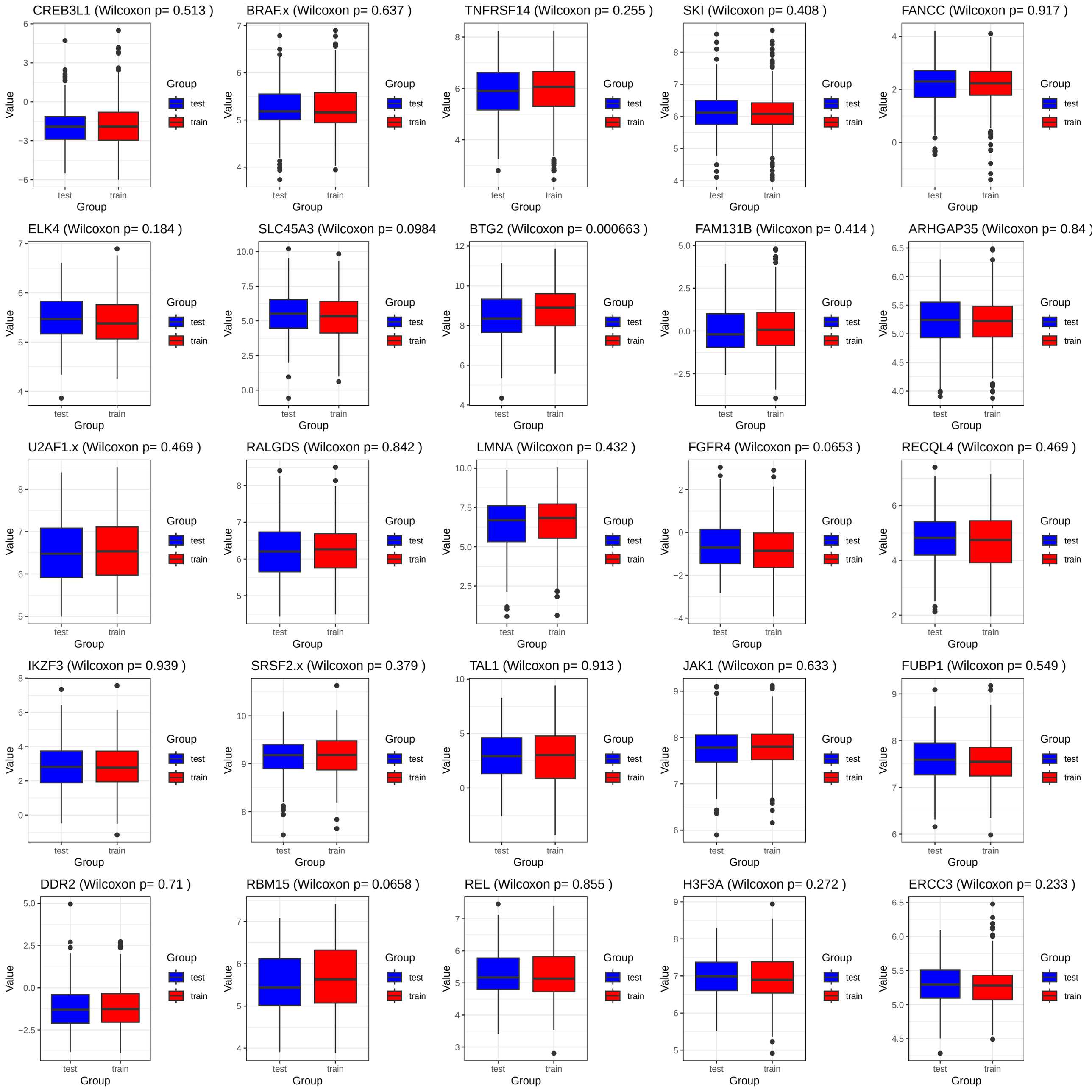

BTG1 (Wilcoxon p= 0.0406)
KRAS.x (Wilcoxon p= 0.995)
MEN1 (Wilcoxon p= 0.528)
VHL (Wilcoxon p= 6.23e−05)
NOTCH2 (Wilcoxon p= 0.665)
MYCN (Wilcoxon p= 0.0673)
IL6ST (Wilcoxon p= 0.0963)
CDC73 (Wilcoxon p= 0.231)
DDB2 (Wilcoxon p= 0.272)
PDGFRA (Wilcoxon p= 0.121)
ERCC5 (Wilcoxon p= 8.98e−05)
APC (Wilcoxon p= 0.143)
TBX3 (Wilcoxon p= 0.0443)
LMO2 (Wilcoxon p= 0.039)
CDK4 (Wilcoxon p= 0.403)
ACVR1B (Wilcoxon p= 0.439)
TEC (Wilcoxon p= 0.89)
MDM2 (Wilcoxon p= 0.935)
TMEM127 (Wilcoxon p= 0.316)
USP44 (Wilcoxon p= 0.0504)
LCP1 (Wilcoxon p= 0.323)
RAC1 (Wilcoxon p= 0.666)
BRIP1 (Wilcoxon p= 0.96)
KAT7 (Wilcoxon p= 8.28e−05)
ABI1 (Wilcoxon p= 0.0114)
Value
Group
test
train

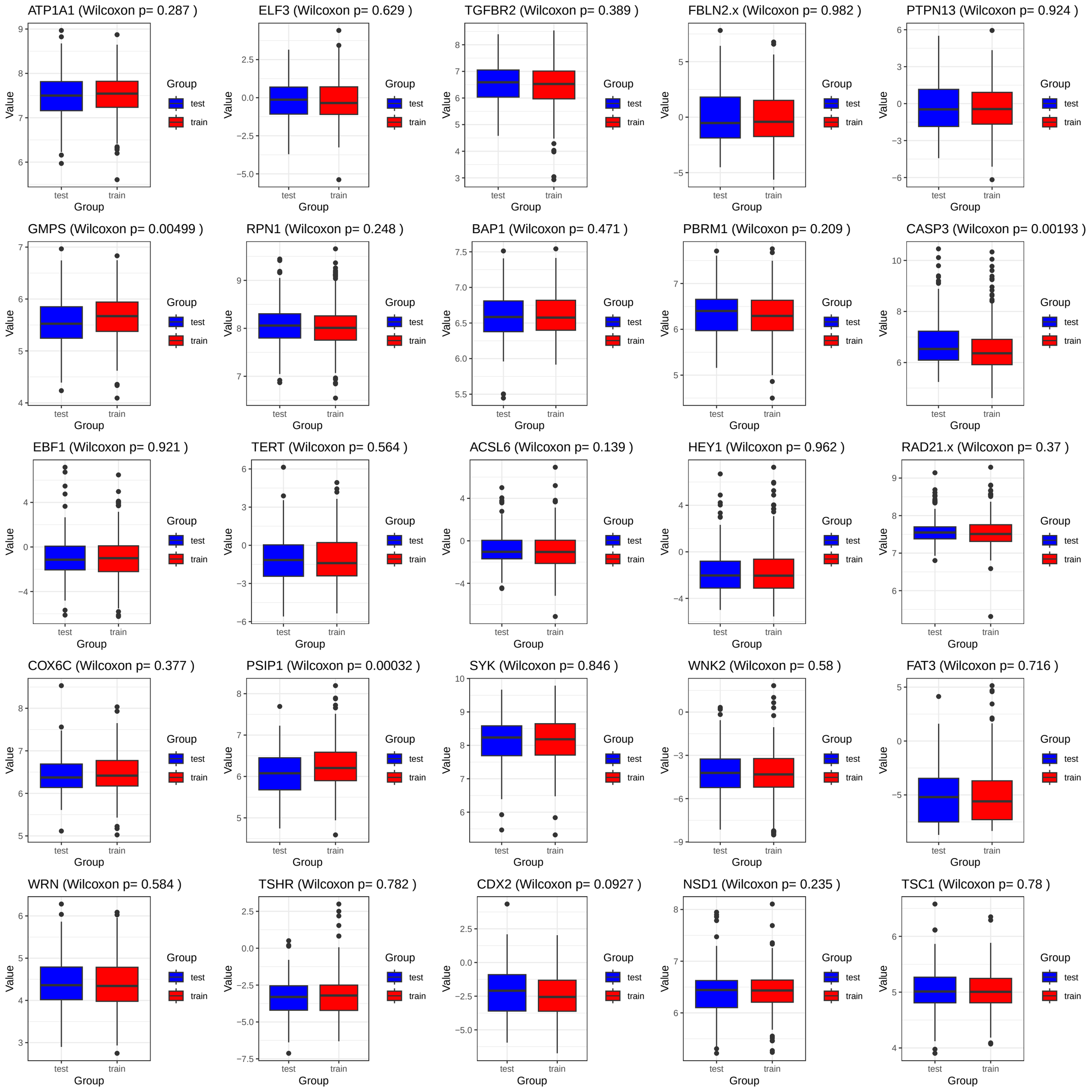

KLF4 (Wilcoxon p= 0.0829)
XPA (Wilcoxon p= 0.0269)
MYC.x (Wilcoxon p= 0.0862)
PIM1 (Wilcoxon p= 0.36)
IRF4 (Wilcoxon p= 0.593)
HMGA1 (Wilcoxon p= 0.186)
NUMA1 (Wilcoxon p= 0.738)
FBXO11 (Wilcoxon p= 0.0749)
CYP2C8 (Wilcoxon p= 0.903)
NCOA4 (Wilcoxon p= 0.76)
TET1.x (Wilcoxon p= 0.4)
ATIC (Wilcoxon p= 0.812)
BARD1 (Wilcoxon p= 0.182)
IDH1.x (Wilcoxon p= 0.00264)
ITGAV (Wilcoxon p= 0.0102)
USP8 (Wilcoxon p= 0.853)
RAP1GDS1 (Wilcoxon p= 0.689
LEF1 (Wilcoxon p= 0.0584)
ETV6.x (Wilcoxon p= 0.975)
ETNK1 (Wilcoxon p= 8.6e−05)
COL2A1 (Wilcoxon p= 0.749)
BRCA2 (Wilcoxon p= 0.141)
RB1 (Wilcoxon p= 0.694)
SETD1B (Wilcoxon p= 0.442)
TCF12 (Wilcoxon p= 0.0458)
Value
Group
test
train

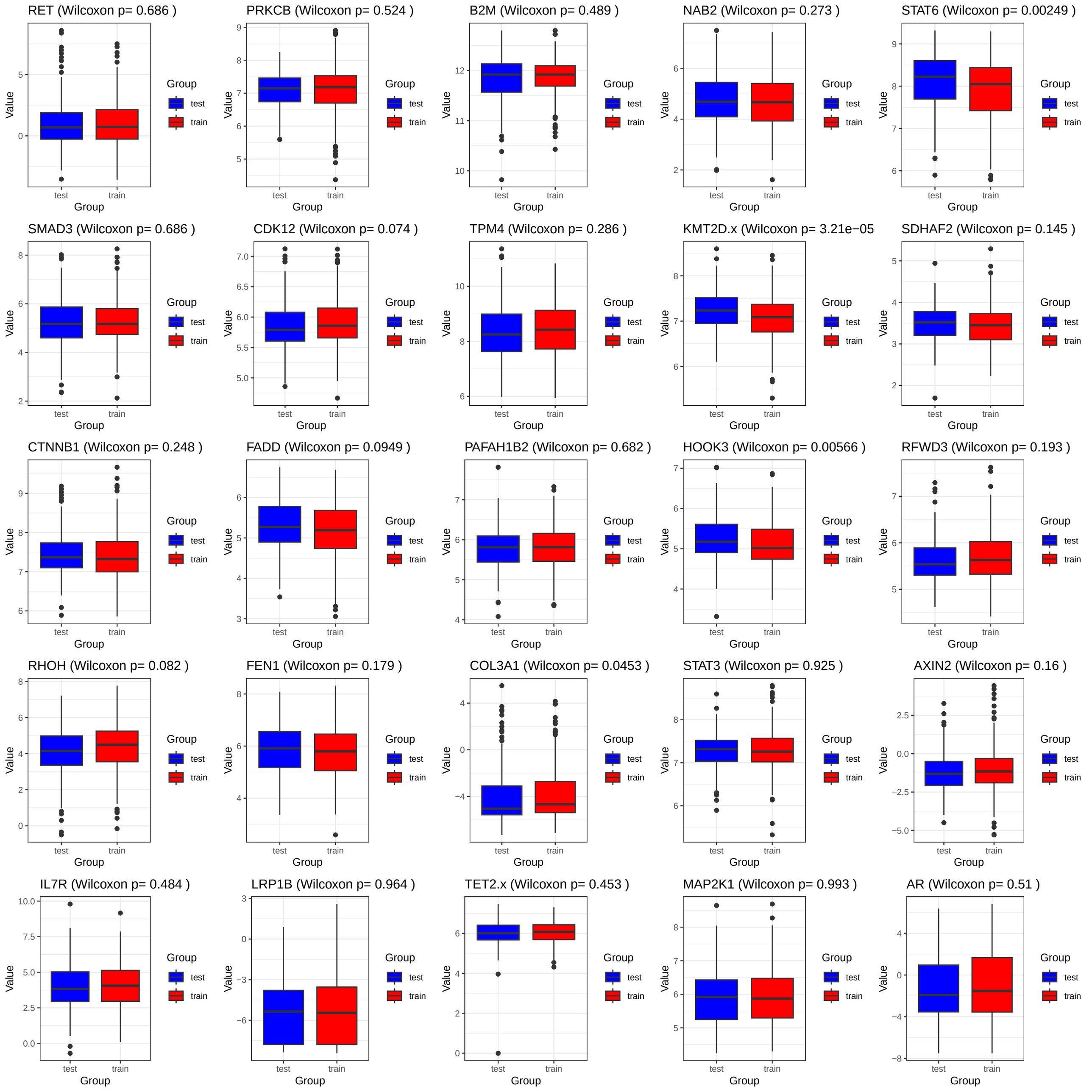

NCOA2 (Wilcoxon p= 0.331)
PML (Wilcoxon p= 0.184)
POLG (Wilcoxon p= 0.0012)
NTRK3.x (Wilcoxon p= 0.309)
CRTC3 (Wilcoxon p= 0.0141)
ZFHX3 (Wilcoxon p= 0.184)
CDH11 (Wilcoxon p= 0.0986)
NCOR1 (Wilcoxon p= 0.933)
CLTC (Wilcoxon p= 0.815)
SS18 (Wilcoxon p= 0.24)
SMAD4 (Wilcoxon p= 0.0183)
ERBB2 (Wilcoxon p= 0.765)
BRD4 (Wilcoxon p= 0.018)
VAV1 (Wilcoxon p= 0.0241)
SH3GL1 (Wilcoxon p= 0.081)
AKT1 (Wilcoxon p= 0.432)
PRDM16 (Wilcoxon p= 0.114)
BCL10 (Wilcoxon p= 0.344)
SDHC (Wilcoxon p= 0.139)
PRCC (Wilcoxon p= 0.0503)
ABL2 (Wilcoxon p= 0.196)
SETDB1 (Wilcoxon p= 0.6)
ARNT (Wilcoxon p= 0.841)
TPM3 (Wilcoxon p= 0.00441)
EML4 (Wilcoxon p= 0.162)
Value
Group
test
train

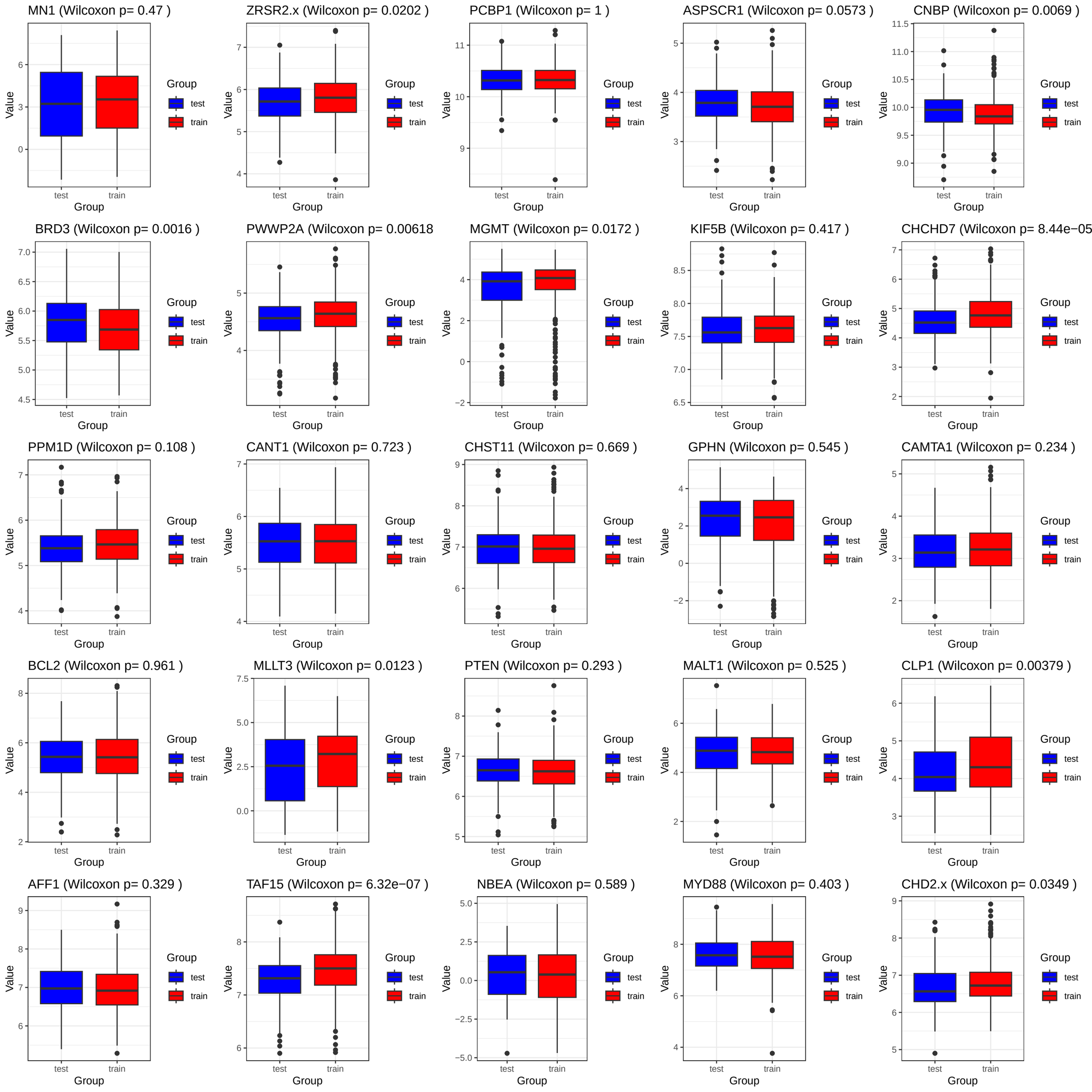

ASXL2 (Wilcoxon p= 0.474)
AFF3 (Wilcoxon p= 0.574)
ACKR3 (Wilcoxon p= 0.529)
FANCD2 (Wilcoxon p= 0.142)
LPP (Wilcoxon p= 0.0139)
MUC4 (Wilcoxon p= 0.155)
FIP1L1 (Wilcoxon p= 0.00103)
PIK3R1 (Wilcoxon p= 0.00241)
ARHGAP26 (Wilcoxon p= 0.0837
NFKBIE (Wilcoxon p= 0.0864)
EGFR (Wilcoxon p= 0.0698)
KDM6A (Wilcoxon p= 0.612)
MSN (Wilcoxon p= 0.0296)
ZMYM3 (Wilcoxon p= 0.733)
NONO (Wilcoxon p= 0.194)
GPC3 (Wilcoxon p= 0.903)
RPL10 (Wilcoxon p= 0.0168)
RSPO2 (Wilcoxon p= 0.673)
NFIB (Wilcoxon p= 0.00352)
CDKN2A (Wilcoxon p= 0.438)
NOTCH1 (Wilcoxon p= 0.829)
ZEB1 (Wilcoxon p= 0.115)
TCF7L2 (Wilcoxon p= 0.308)
ATM (Wilcoxon p= 0.0141)
HMGA2 (Wilcoxon p= 0.613)
Value
Group
test
train

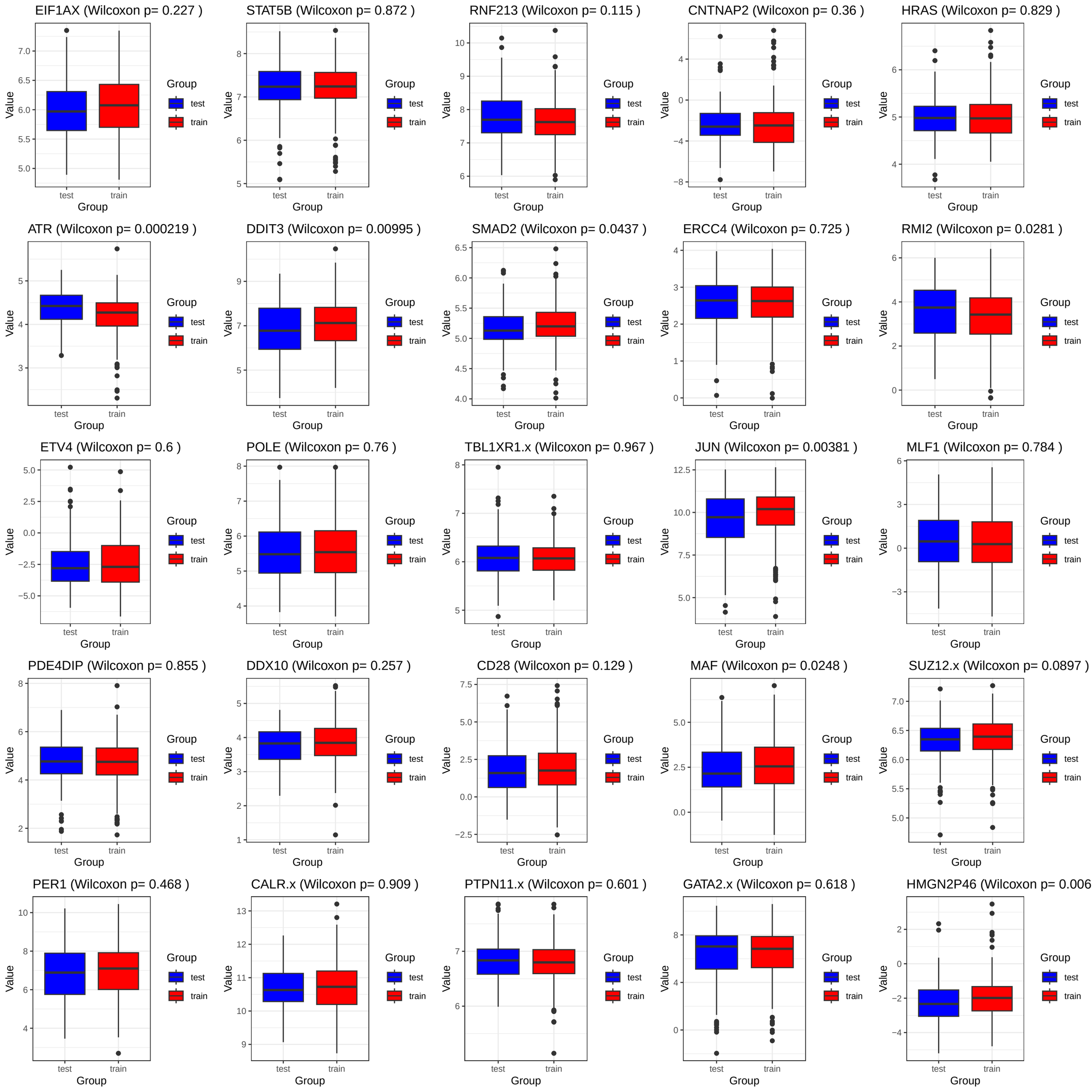

LATS2 (Wilcoxon p= 0.686)
FOXO1 (Wilcoxon p= 0.244)
EXT2 (Wilcoxon p= 0.368)
VTI1A (Wilcoxon p= 0.00987)
FLI1 (Wilcoxon p= 0.108)
CYSLTR2 (Wilcoxon p= 0.252)
SETBP1.x (Wilcoxon p= 0.814)
PTPRK (Wilcoxon p= 0.246)
RAD17 (Wilcoxon p= 0.00322)
RGPD3 (Wilcoxon p= 0.678)
RANBP2 (Wilcoxon p= 0.905)
PTPRD (Wilcoxon p= 0.959)
JAZF1 (Wilcoxon p= 0.0652)
MSI2 (Wilcoxon p= 0.6)
XPC (Wilcoxon p= 0.421)
FLCN (Wilcoxon p= 0.236)
GNAQ (Wilcoxon p= 0.0341)
PHF6.x (Wilcoxon p= 0.072)
KAT6B.x (Wilcoxon p= 0.153)
BUB1B (Wilcoxon p= 0.58)
EIF4A2 (Wilcoxon p= 0.192)
NRG1 (Wilcoxon p= 0.0201)
CACNA1D.x (Wilcoxon p= 0.243
KIT.x (Wilcoxon p= 0.314)
ERG (Wilcoxon p= 0.929)
Value
Group
test
train

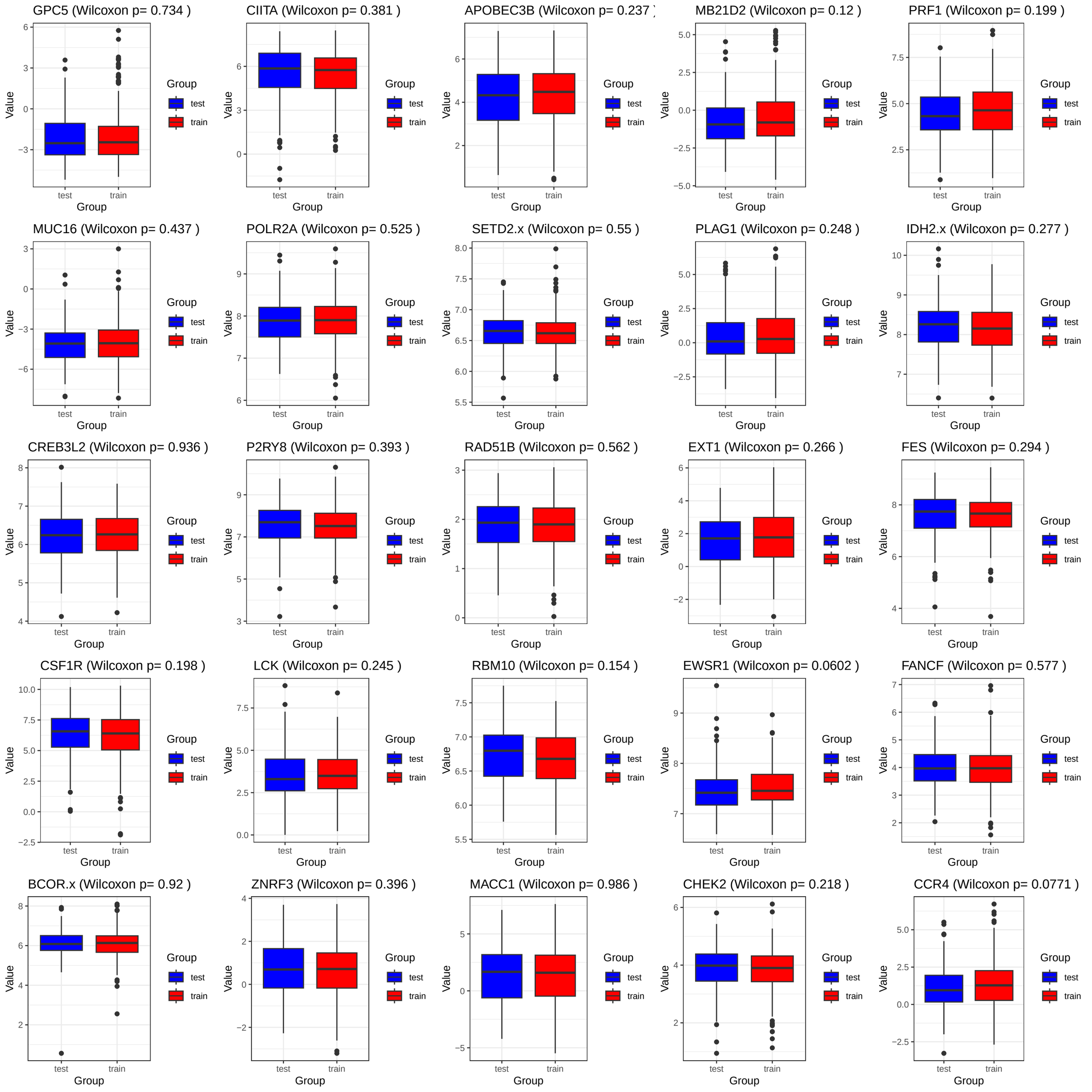

CREB3L1 (Wilcoxon p= 0.513)
BRAF.x (Wilcoxon p= 0.637)
TNFRSF14 (Wilcoxon p= 0.255)
SKI (Wilcoxon p= 0.408)
FANCC (Wilcoxon p= 0.917)
ELK4 (Wilcoxon p= 0.184)
SLC45A3 (Wilcoxon p= 0.0984
BTG2 (Wilcoxon p= 0.000663)
FAM131B (Wilcoxon p= 0.414)
ARHGAP35 (Wilcoxon p= 0.84)
U2AF1.x (Wilcoxon p= 0.469)
RALGDS (Wilcoxon p= 0.842)
LMNA (Wilcoxon p= 0.432)
FGFR4 (Wilcoxon p= 0.0653)
RECQL4 (Wilcoxon p= 0.469)
IKZF3 (Wilcoxon p= 0.939)
SRSF2.x (Wilcoxon p= 0.379)
TAL1 (Wilcoxon p= 0.913)
JAK1 (Wilcoxon p= 0.633)
FUBP1 (Wilcoxon p= 0.549)
DDR2 (Wilcoxon p= 0.71)
RBM15 (Wilcoxon p= 0.0658)
REL (Wilcoxon p= 0.855)
H3F3A (Wilcoxon p= 0.272)
ERCC3 (Wilcoxon p= 0.233)
Value
Group
test
train

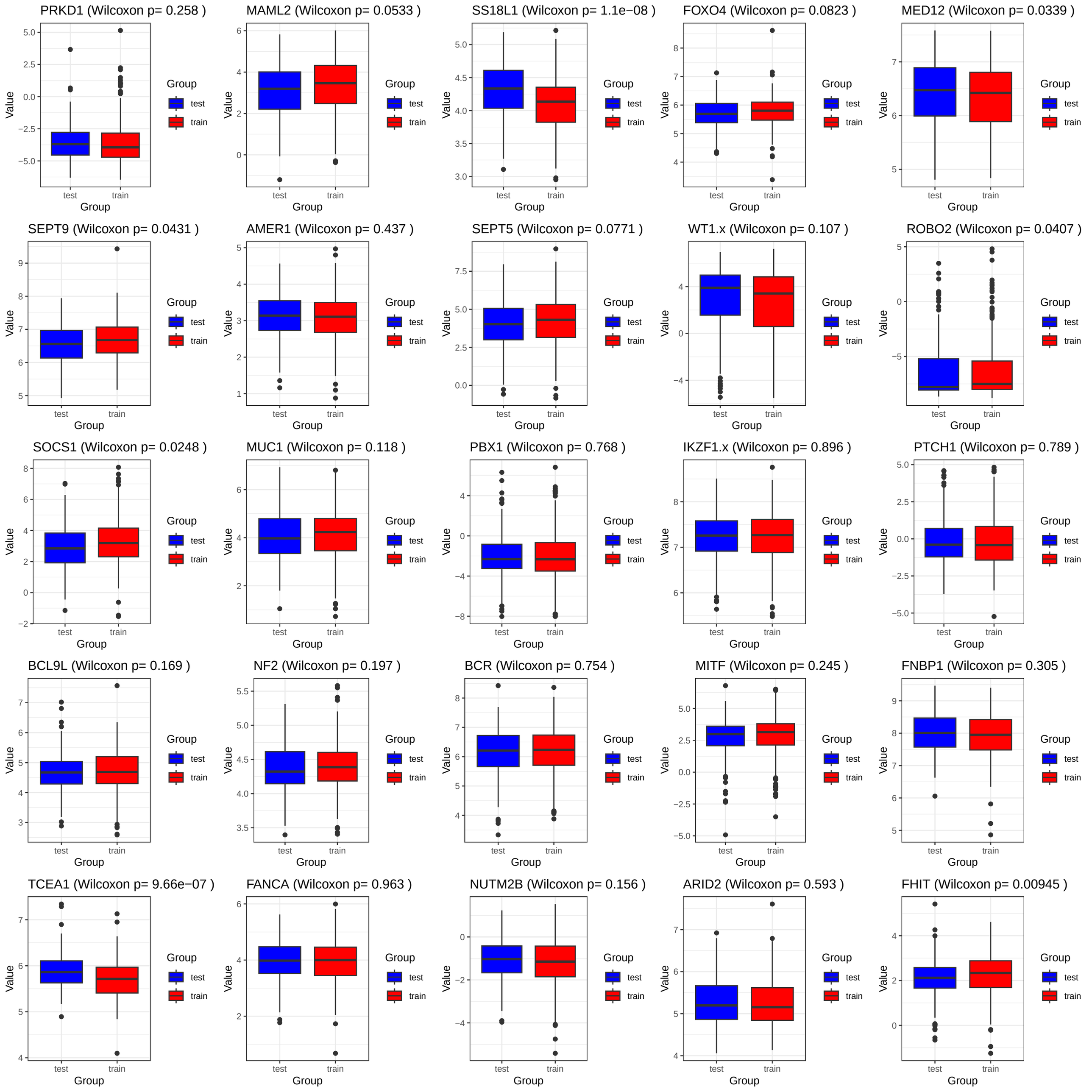

ATP1A1 (Wilcoxon p= 0.287)
ELF3 (Wilcoxon p= 0.629)
TGFBR2 (Wilcoxon p= 0.389)
FBLN2.x (Wilcoxon p= 0.982)
PTPN13 (Wilcoxon p= 0.924)
GMPS (Wilcoxon p= 0.00499)
RPN1 (Wilcoxon p= 0.248)
BAP1 (Wilcoxon p= 0.471)
PBRM1 (Wilcoxon p= 0.209)
CASP3 (Wilcoxon p= 0.00193)
EBF1 (Wilcoxon p= 0.921)
TERT (Wilcoxon p= 0.564)
ACSL6 (Wilcoxon p= 0.139)
HEY1 (Wilcoxon p= 0.962)
RAD21.x (Wilcoxon p= 0.37)
COX6C (Wilcoxon p= 0.377)
PSIP1 (Wilcoxon p= 0.00032)
SYK (Wilcoxon p= 0.846)
WNK2 (Wilcoxon p= 0.58)
FAT3 (Wilcoxon p= 0.716)
WRN (Wilcoxon p= 0.584)
TSHR (Wilcoxon p= 0.782)
CDX2 (Wilcoxon p= 0.0927)
NSD1 (Wilcoxon p= 0.235)
TSC1 (Wilcoxon p= 0.78)
Value
Group
test
train

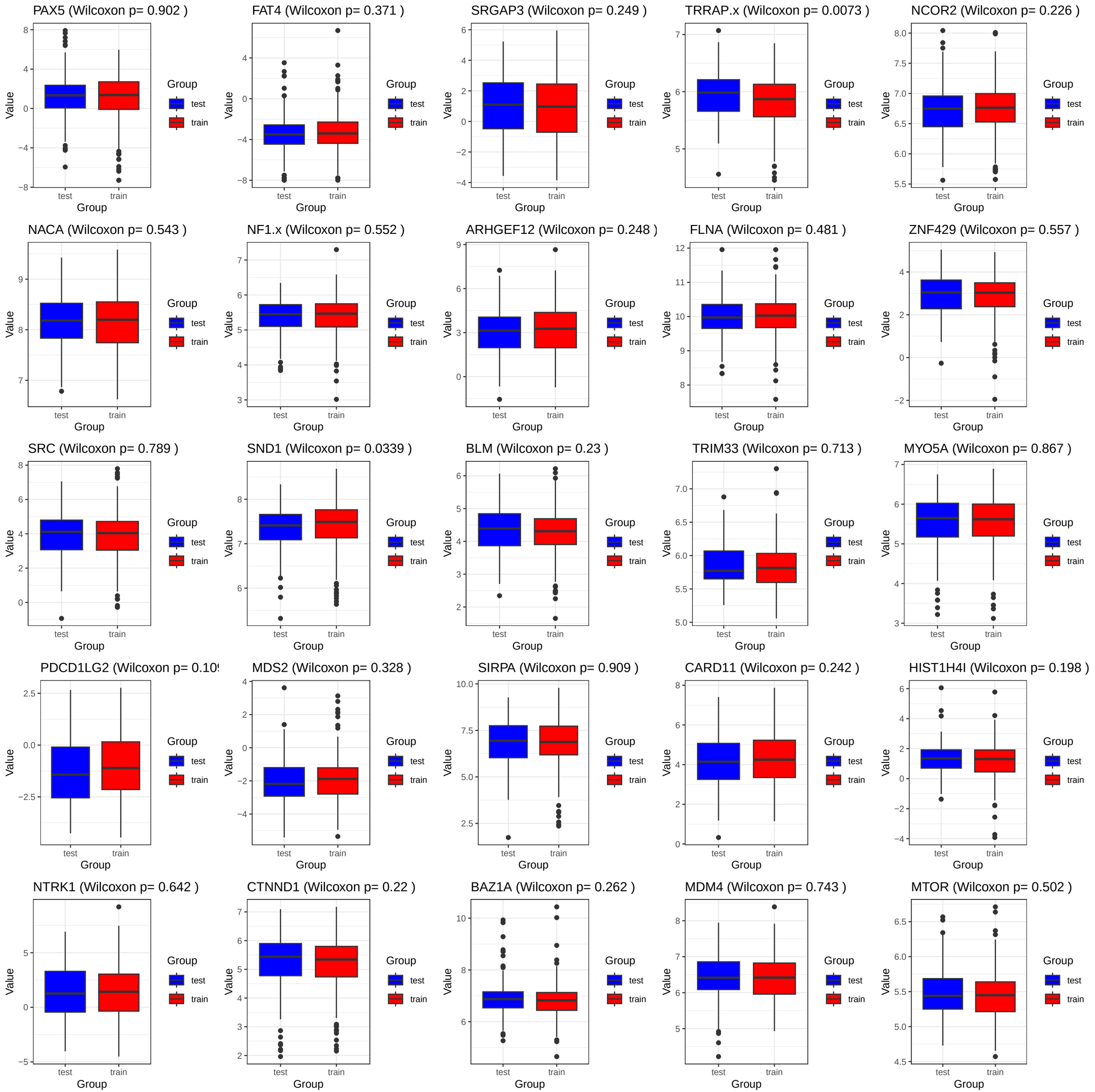

RET (Wilcoxon p= 0.686)
PRKCB (Wilcoxon p= 0.524)
B2M (Wilcoxon p= 0.489)
NAB2 (Wilcoxon p= 0.273)
STAT6 (Wilcoxon p= 0.00249)
SMAD3 (Wilcoxon p= 0.686)
CDK12 (Wilcoxon p= 0.074)
TPM4 (Wilcoxon p= 0.286)
KMT2D.x (Wilcoxon p= 3.21e−05
SDHAF2 (Wilcoxon p= 0.145)
CTNNB1 (Wilcoxon p= 0.248)
FADD (Wilcoxon p= 0.0949)
PAFAH1B2 (Wilcoxon p= 0.682)
HOOK3 (Wilcoxon p= 0.00566)
RFWD3 (Wilcoxon p= 0.193)
RHOH (Wilcoxon p= 0.082)
FEN1 (Wilcoxon p= 0.179)
COL3A1 (Wilcoxon p= 0.0453)
STAT3 (Wilcoxon p= 0.925)
AXIN2 (Wilcoxon p= 0.16)
IL7R (Wilcoxon p= 0.484)
LRP1B (Wilcoxon p= 0.964)
TET2.x (Wilcoxon p= 0.453)
MAP2K1 (Wilcoxon p= 0.993)
AR (Wilcoxon p= 0.51)
Value
Group
test
train

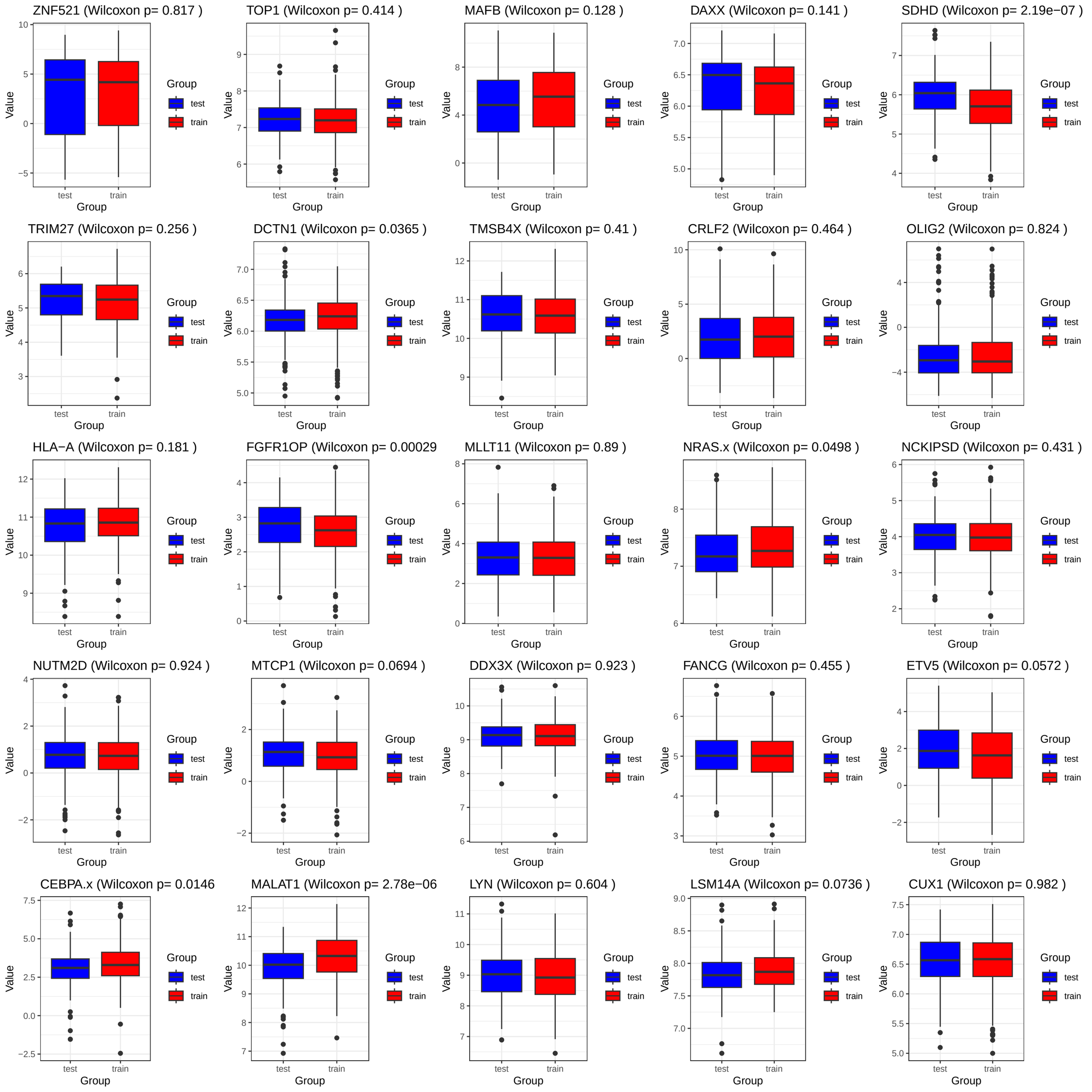

MN1 (Wilcoxon p= 0.47)
ZRSR2.x (Wilcoxon p= 0.0202)
PCBP1 (Wilcoxon p= 1)
ASPSCR1 (Wilcoxon p= 0.0573)
CNBP (Wilcoxon p= 0.0069)
BRD3 (Wilcoxon p= 0.0016)
PWWP2A (Wilcoxon p= 0.00618
MGMT (Wilcoxon p= 0.0172)
KIF5B (Wilcoxon p= 0.417)
CHCHD7 (Wilcoxon p= 8.44e−05
PPM1D (Wilcoxon p= 0.108)
CANT1 (Wilcoxon p= 0.723)
CHST11 (Wilcoxon p= 0.669)
GPHN (Wilcoxon p= 0.545)
CAMTA1 (Wilcoxon p= 0.234)
BCL2 (Wilcoxon p= 0.961)
MLLT3 (Wilcoxon p= 0.0123)
PTEN (Wilcoxon p= 0.293)
MALT1 (Wilcoxon p= 0.525)
CLP1 (Wilcoxon p= 0.00379)
AFF1 (Wilcoxon p= 0.329)
TAF15 (Wilcoxon p= 6.32e−07)
NBEA (Wilcoxon p= 0.589)
MYD88 (Wilcoxon p= 0.403)
CHD2.x (Wilcoxon p= 0.0349)
Value
Group
test
train

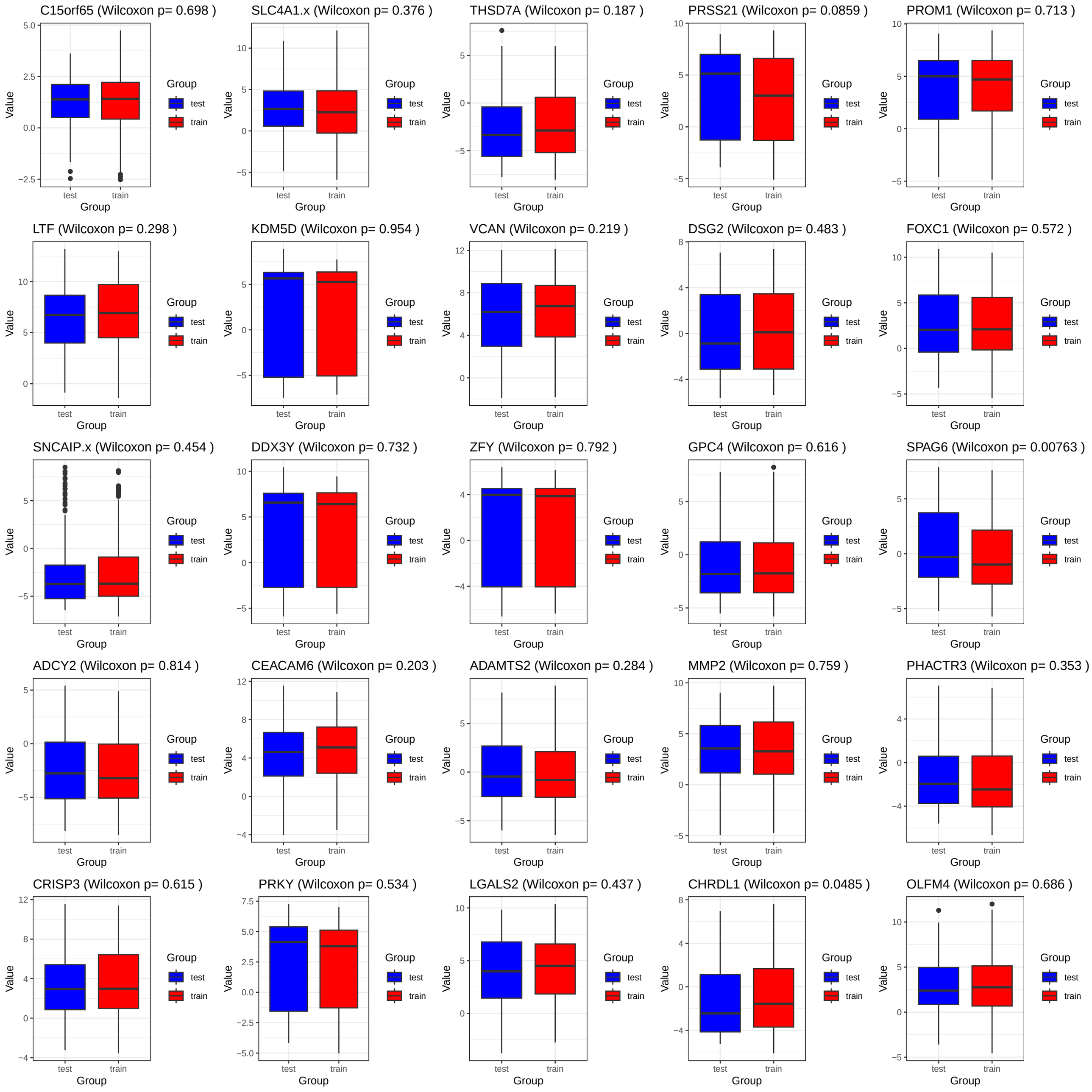

EIF1AX (Wilcoxon p= 0.227)
STAT5B (Wilcoxon p= 0.872)
RNF213 (Wilcoxon p= 0.115)
CNTNAP2 (Wilcoxon p= 0.36)
HRAS (Wilcoxon p= 0.829)
ATR (Wilcoxon p= 0.000219)
DDIT3 (Wilcoxon p= 0.00995)
SMAD2 (Wilcoxon p= 0.0437)
ERCC4 (Wilcoxon p= 0.725)
RMI2 (Wilcoxon p= 0.0281)
ETV4 (Wilcoxon p= 0.6)
POLE (Wilcoxon p= 0.76)
TBL1XR1.x (Wilcoxon p= 0.967)
JUN (Wilcoxon p= 0.00381)
MLF1 (Wilcoxon p= 0.784)
PDE4DIP (Wilcoxon p= 0.855)
DDX10 (Wilcoxon p= 0.257)
CD28 (Wilcoxon p= 0.129)
MAF (Wilcoxon p= 0.0248)
SUZ12.x (Wilcoxon p= 0.0897)
PER1 (Wilcoxon p= 0.468)
CALR.x (Wilcoxon p= 0.909)
PTPN11.x (Wilcoxon p= 0.601)
GATA2.x (Wilcoxon p= 0.618)
HMGN2P46 (Wilcoxon p= 0.006
Value
Group
test
train
Group
test
train

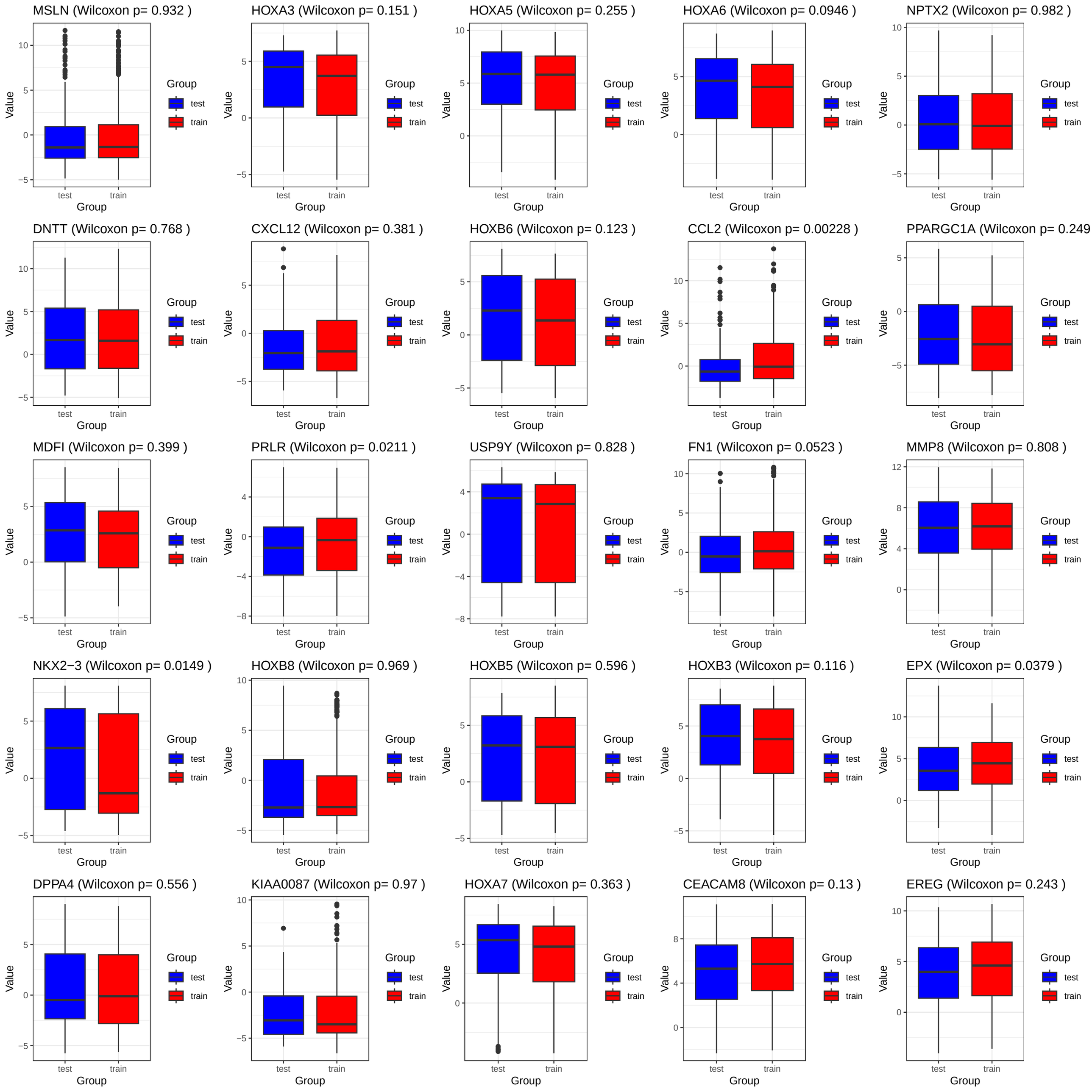

GPC5 (Wilcoxon p= 0.734)
CIITA (Wilcoxon p= 0.381)
APOBEC3B (Wilcoxon p= 0.237)
MB21D2 (Wilcoxon p= 0.12)
PRF1 (Wilcoxon p= 0.199)
MUC16 (Wilcoxon p= 0.437)
POLR2A (Wilcoxon p= 0.525)
SETD2.x (Wilcoxon p= 0.55)
PLAG1 (Wilcoxon p= 0.248)
IDH2.x (Wilcoxon p= 0.277)
CREB3L2 (Wilcoxon p= 0.936)
P2RY8 (Wilcoxon p= 0.393)
RAD51B (Wilcoxon p= 0.562)
EXT1 (Wilcoxon p= 0.266)
FES (Wilcoxon p= 0.294)
CSF1R (Wilcoxon p= 0.198)
LCK (Wilcoxon p= 0.245)
RBM10 (Wilcoxon p= 0.154)
EWSR1 (Wilcoxon p= 0.0602)
FANCF (Wilcoxon p= 0.577)
BCOR.x (Wilcoxon p= 0.92)
ZNRF3 (Wilcoxon p= 0.396)
MACC1 (Wilcoxon p= 0.986)
CHEK2 (Wilcoxon p= 0.218)
CCR4 (Wilcoxon p= 0.0771)
Value
Group
test
train

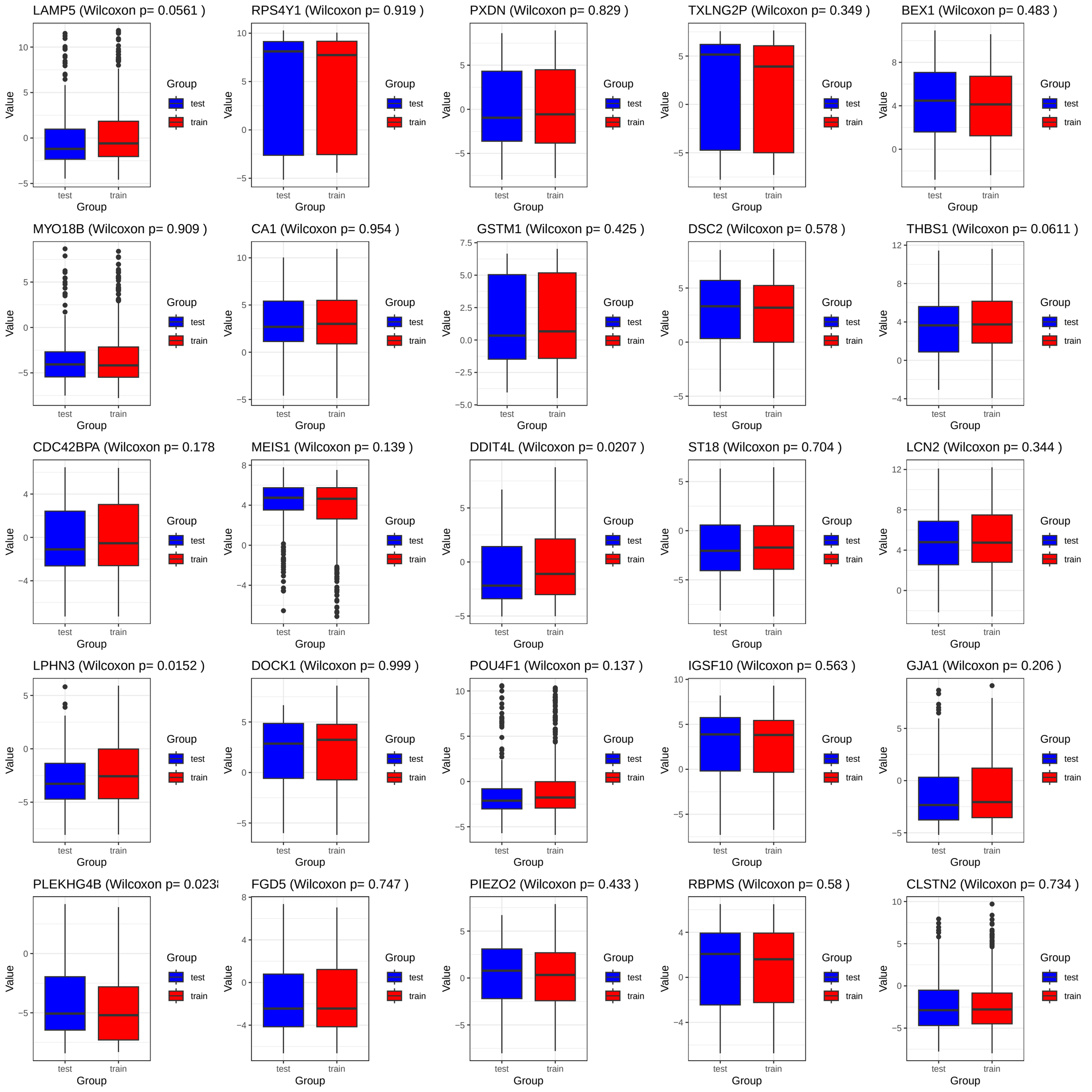

PRKD1 (Wilcoxon p= 0.258)
MAML2 (Wilcoxon p= 0.0533)
SS18L1 (Wilcoxon p= 1.1e−08)
FOXO4 (Wilcoxon p= 0.0823)
MED12 (Wilcoxon p= 0.0339)
SEPT9 (Wilcoxon p= 0.0431)
AMER1 (Wilcoxon p= 0.437)
SEPT5 (Wilcoxon p= 0.0771)
WT1.x (Wilcoxon p= 0.107)
ROBO2 (Wilcoxon p= 0.0407)
SOCS1 (Wilcoxon p= 0.0248)
MUC1 (Wilcoxon p= 0.118)
PBX1 (Wilcoxon p= 0.768)
IKZF1.x (Wilcoxon p= 0.896)
PTCH1 (Wilcoxon p= 0.789)
BCL9L (Wilcoxon p= 0.169)
NF2 (Wilcoxon p= 0.197)
BCR (Wilcoxon p= 0.754)
MITF (Wilcoxon p= 0.245)
FNBP1 (Wilcoxon p= 0.305)
TCEA1 (Wilcoxon p= 9.66e−07)
FANCA (Wilcoxon p= 0.963)
NUTM2B (Wilcoxon p= 0.156)
ARID2 (Wilcoxon p= 0.593)
FHIT (Wilcoxon p= 0.00945)
Value
Group
test
train

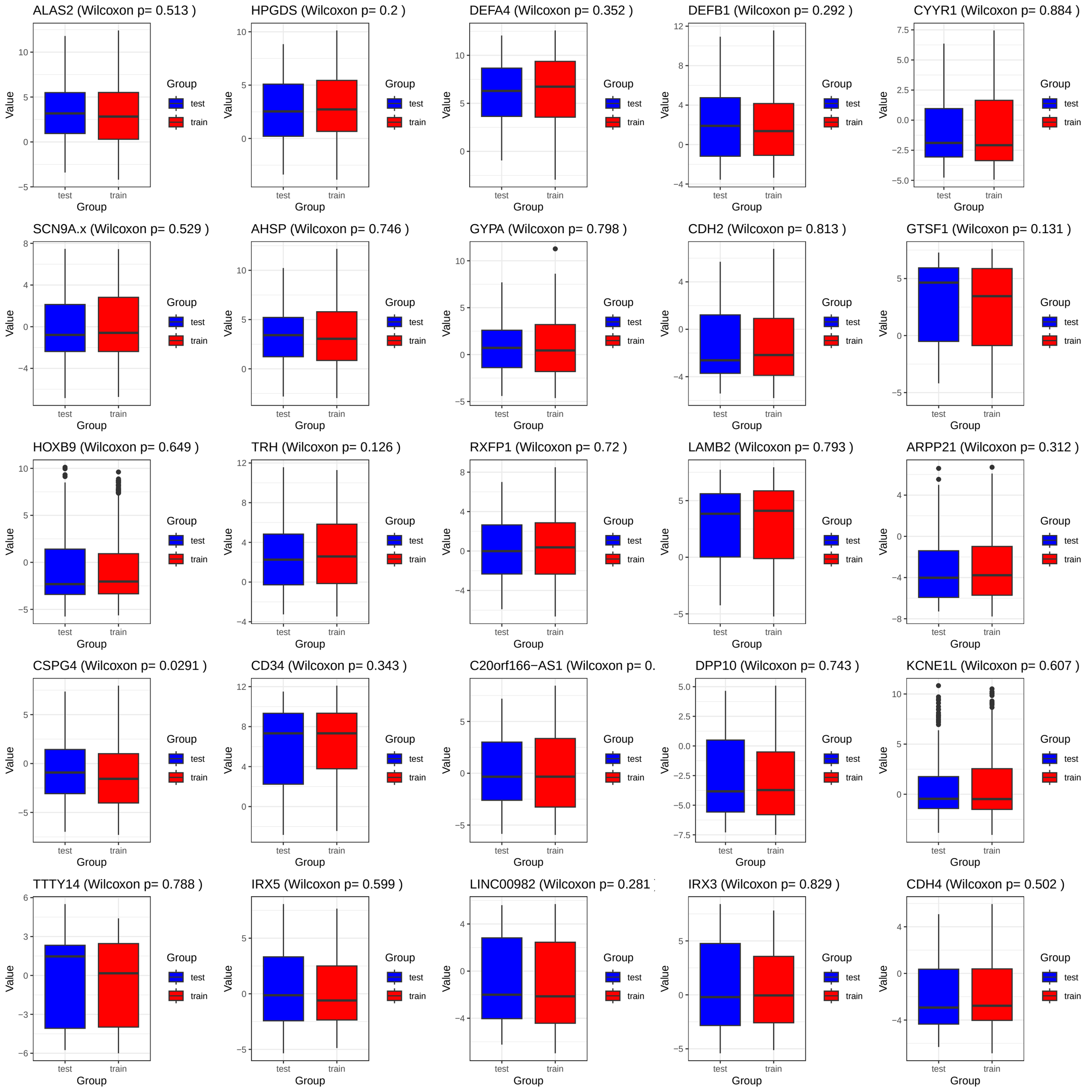

PAX5 (Wilcoxon p= 0.902)
FAT4 (Wilcoxon p= 0.371)
SRGAP3 (Wilcoxon p= 0.249)
TRRAP.x (Wilcoxon p= 0.0073)
NCOR2 (Wilcoxon p= 0.226)
NACA (Wilcoxon p= 0.543)
NF1.x (Wilcoxon p= 0.552)
ARHGEF12 (Wilcoxon p= 0.248)
FLNA (Wilcoxon p= 0.481)
ZNF429 (Wilcoxon p= 0.557)
SRC (Wilcoxon p= 0.789)
SND1 (Wilcoxon p= 0.0339)
BLM (Wilcoxon p= 0.23)
TRIM33 (Wilcoxon p= 0.713)
MYO5A (Wilcoxon p= 0.867)
PDCD1LG2 (Wilcoxon p= 0.10
MDS2 (Wilcoxon p= 0.328)
SIRPA (Wilcoxon p= 0.909)
CARD11 (Wilcoxon p= 0.242)
HIST1H4I (Wilcoxon p= 0.198)
NTRK1 (Wilcoxon p= 0.642)
CTNND1 (Wilcoxon p= 0.22)
BAZ1A (Wilcoxon p= 0.262)
MDM4 (Wilcoxon p= 0.743)
MTOR (Wilcoxon p= 0.502)
Value
Group
test
train
Group
test
train

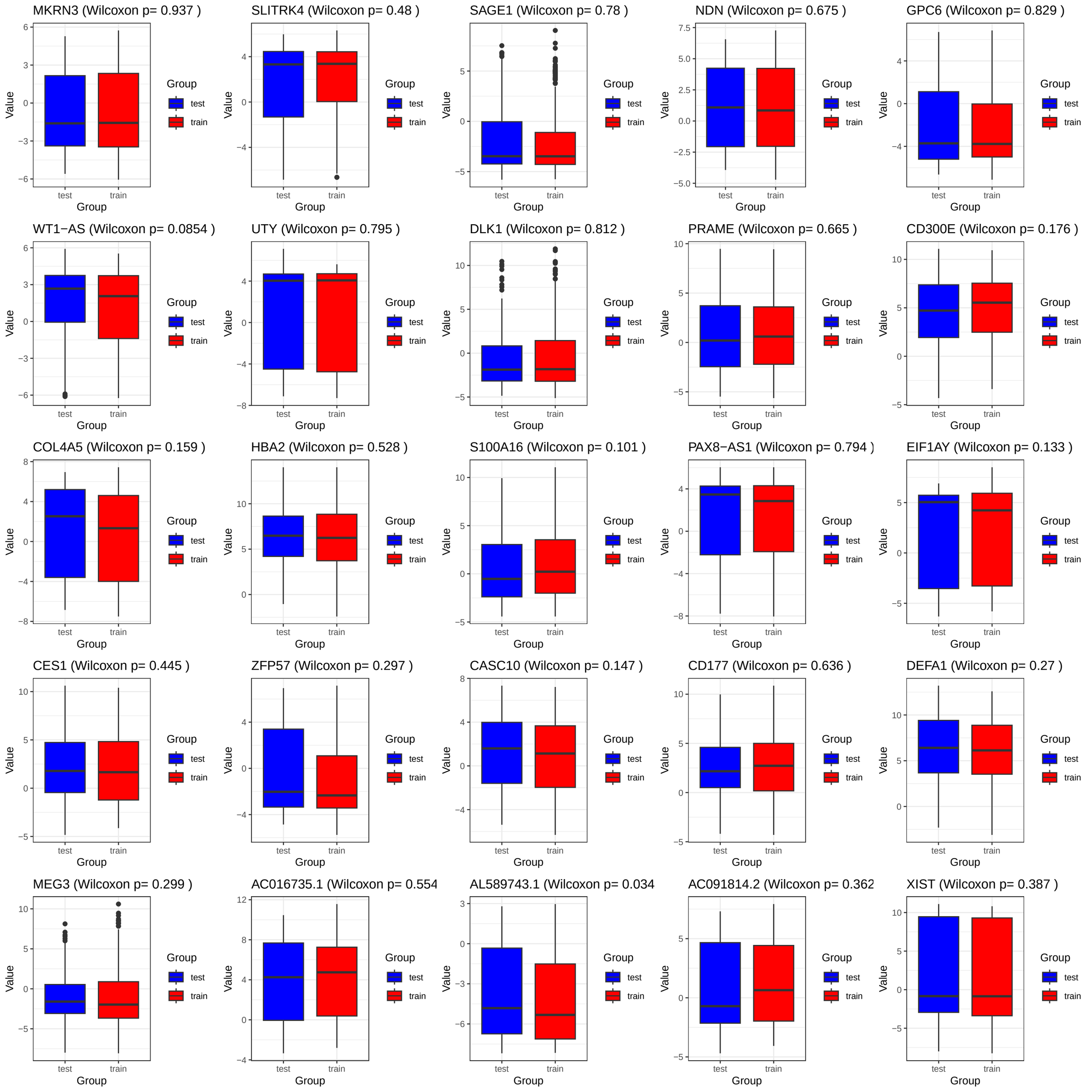

ZNF521 (Wilcoxon p= 0.817)
TOP1 (Wilcoxon p= 0.414)
MAFB (Wilcoxon p= 0.128)
DAXX (Wilcoxon p= 0.141)
SDHD (Wilcoxon p= 2.19e−07)
TRIM27 (Wilcoxon p= 0.256)
DCTN1 (Wilcoxon p= 0.0365)
TMSB4X (Wilcoxon p= 0.41)
CRLF2 (Wilcoxon p= 0.464)
OLIG2 (Wilcoxon p= 0.824)
HLA−A (Wilcoxon p= 0.181)
FGFR1OP (Wilcoxon p= 0.00029
MLLT11 (Wilcoxon p= 0.89)
NRAS.x (Wilcoxon p= 0.0498)
NCKIPSD (Wilcoxon p= 0.431)
NUTM2D (Wilcoxon p= 0.924)
MTCP1 (Wilcoxon p= 0.0694)
DDX3X (Wilcoxon p= 0.923)
FANCG (Wilcoxon p= 0.455)
ETV5 (Wilcoxon p= 0.0572)
CEBPA.x (Wilcoxon p= 0.0146
MALAT1 (Wilcoxon p= 2.78e−06
LYN (Wilcoxon p= 0.604)
LSM14A (Wilcoxon p= 0.0736)
CUX1 (Wilcoxon p= 0.982)
Value
Group
test
train

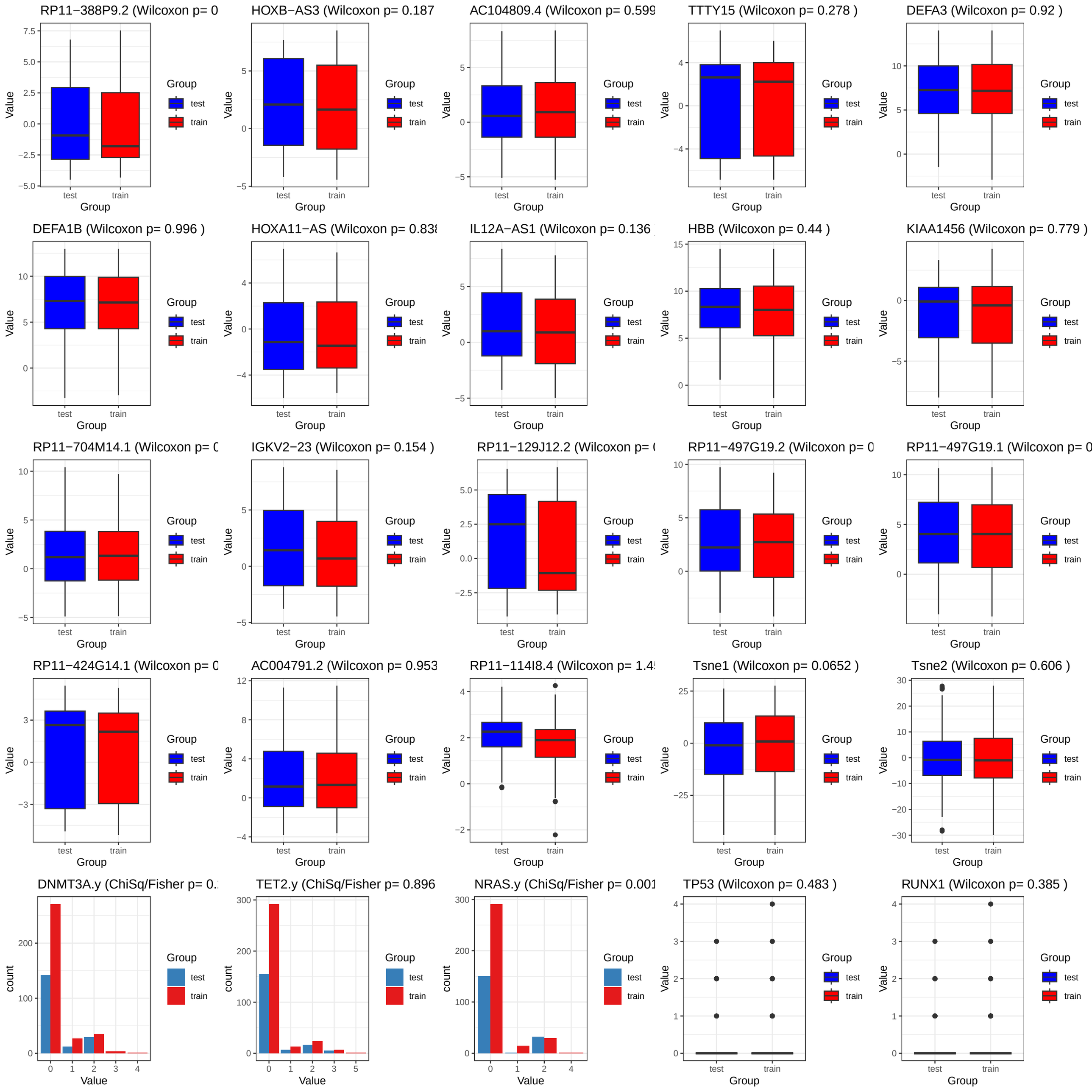

C15orf65 (Wilcoxon p= 0.698)
SLC4A1.x (Wilcoxon p= 0.376)
THSD7A (Wilcoxon p= 0.187)
PRSS21 (Wilcoxon p= 0.0859)
PROM1 (Wilcoxon p= 0.713)
LTF (Wilcoxon p= 0.298)
KDM5D (Wilcoxon p= 0.954)
VCAN (Wilcoxon p= 0.219)
DSG2 (Wilcoxon p= 0.483)
FOXC1 (Wilcoxon p= 0.572)
SNCAIP.x (Wilcoxon p= 0.454)
DDX3Y (Wilcoxon p= 0.732)
ZFY (Wilcoxon p= 0.792)
GPC4 (Wilcoxon p= 0.616)
SPAG6 (Wilcoxon p= 0.00763)
ADCY2 (Wilcoxon p= 0.814)
CEACAM6 (Wilcoxon p= 0.203)
ADAMTS2 (Wilcoxon p= 0.284)
MMP2 (Wilcoxon p= 0.759)
PHACTR3 (Wilcoxon p= 0.353)
CRISP3 (Wilcoxon p= 0.615)
PRKY (Wilcoxon p= 0.534)
LGALS2 (Wilcoxon p= 0.437)
CHRDL1 (Wilcoxon p= 0.0485)
OLFM4 (Wilcoxon p= 0.686)
Value
Group
test
train

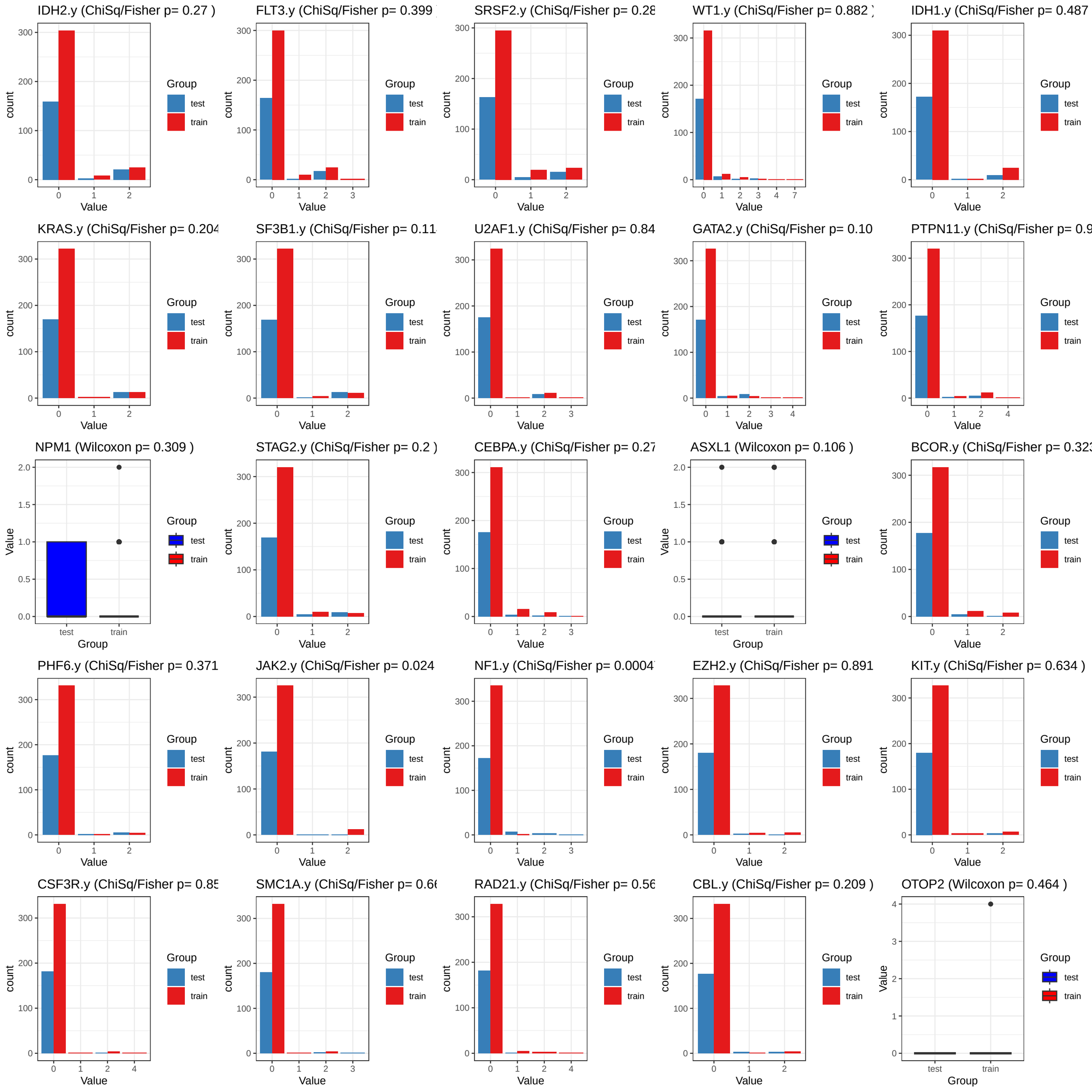

MSLN (Wilcoxon p= 0.932)
HOXA3 (Wilcoxon p= 0.151)
HOXA5 (Wilcoxon p= 0.255)
HOXA6 (Wilcoxon p= 0.0946)
NPTX2 (Wilcoxon p= 0.982)
DNTT (Wilcoxon p= 0.768)
CXCL12 (Wilcoxon p= 0.381)
HOXB6 (Wilcoxon p= 0.123)
CCL2 (Wilcoxon p= 0.00228)
PPARGC1A (Wilcoxon p= 0.249
MDFI (Wilcoxon p= 0.399)
PRLR (Wilcoxon p= 0.0211)
USP9Y (Wilcoxon p= 0.828)
FN1 (Wilcoxon p= 0.0523)
MMP8 (Wilcoxon p= 0.808)
NKX2−3 (Wilcoxon p= 0.0149)
HOXB8 (Wilcoxon p= 0.969)
HOXB5 (Wilcoxon p= 0.596)
HOXB3 (Wilcoxon p= 0.116)
EPX (Wilcoxon p= 0.0379)
DPPA4 (Wilcoxon p= 0.556)
KIAA0087 (Wilcoxon p= 0.97)
HOXA7 (Wilcoxon p= 0.363)
CEACAM8 (Wilcoxon p= 0.13)
EREG (Wilcoxon p= 0.243)
Value
Group
test
train

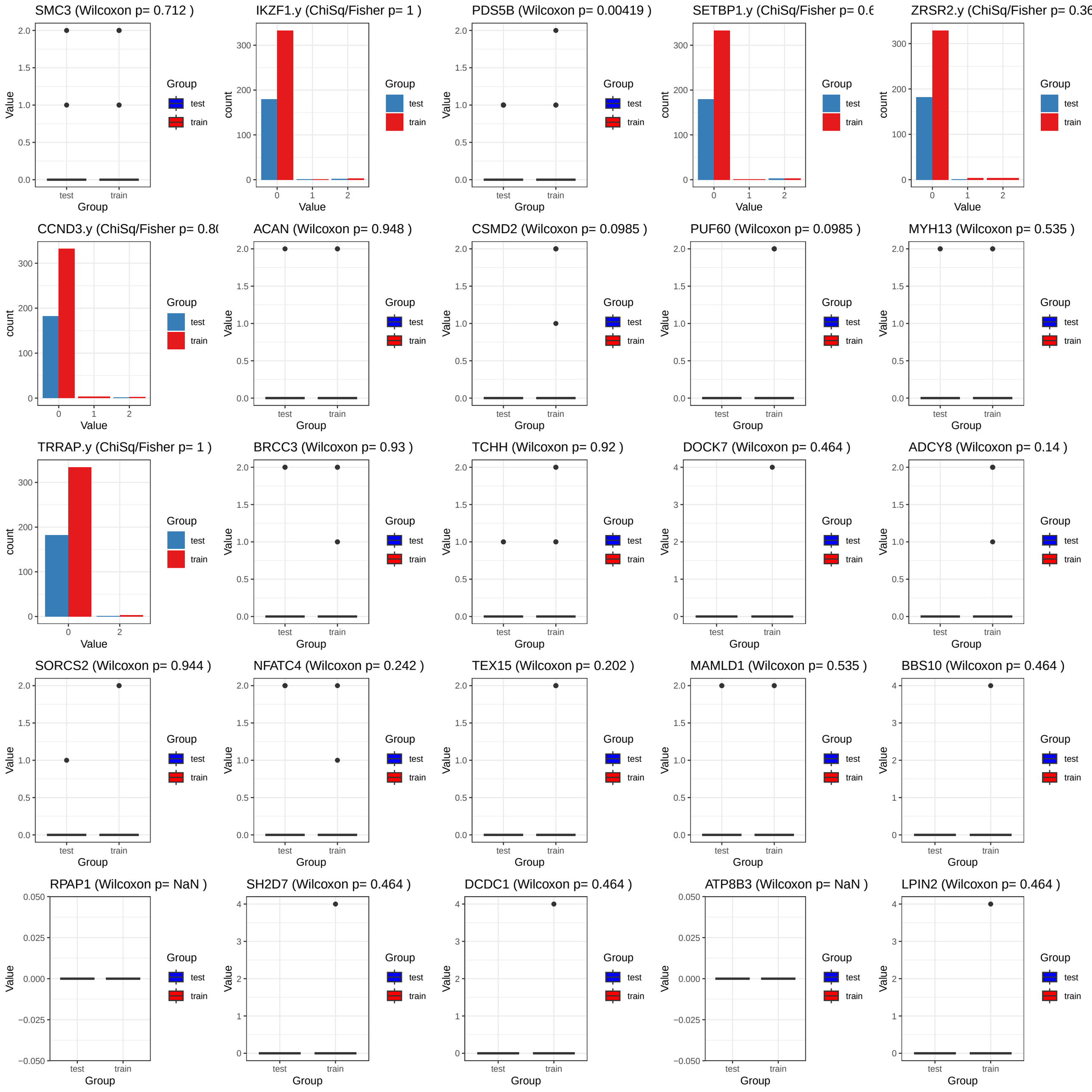

LAMP5 (Wilcoxon p= 0.0561)
RPS4Y1 (Wilcoxon p= 0.919)
PXDN (Wilcoxon p= 0.829)
TXLNG2P (Wilcoxon p= 0.349)
BEX1 (Wilcoxon p= 0.483)
MYO18B (Wilcoxon p= 0.909)
CA1 (Wilcoxon p= 0.954)
GSTM1 (Wilcoxon p= 0.425)
DSC2 (Wilcoxon p= 0.578)
THBS1 (Wilcoxon p= 0.0611)
CDC42BPA (Wilcoxon p= 0.178
MEIS1 (Wilcoxon p= 0.139)
DDIT4L (Wilcoxon p= 0.0207)
ST18 (Wilcoxon p= 0.704)
LCN2 (Wilcoxon p= 0.344)
LPHN3 (Wilcoxon p= 0.0152)
DOCK1 (Wilcoxon p= 0.999)
POU4F1 (Wilcoxon p= 0.137)
IGSF10 (Wilcoxon p= 0.563)
GJA1 (Wilcoxon p= 0.206)
PLEKHG4B (Wilcoxon p= 0.023
FGD5 (Wilcoxon p= 0.747)
PIEZO2 (Wilcoxon p= 0.433)
RBPMS (Wilcoxon p= 0.58)
CLSTN2 (Wilcoxon p= 0.734)
Value
Group
test
train
Group
test
train

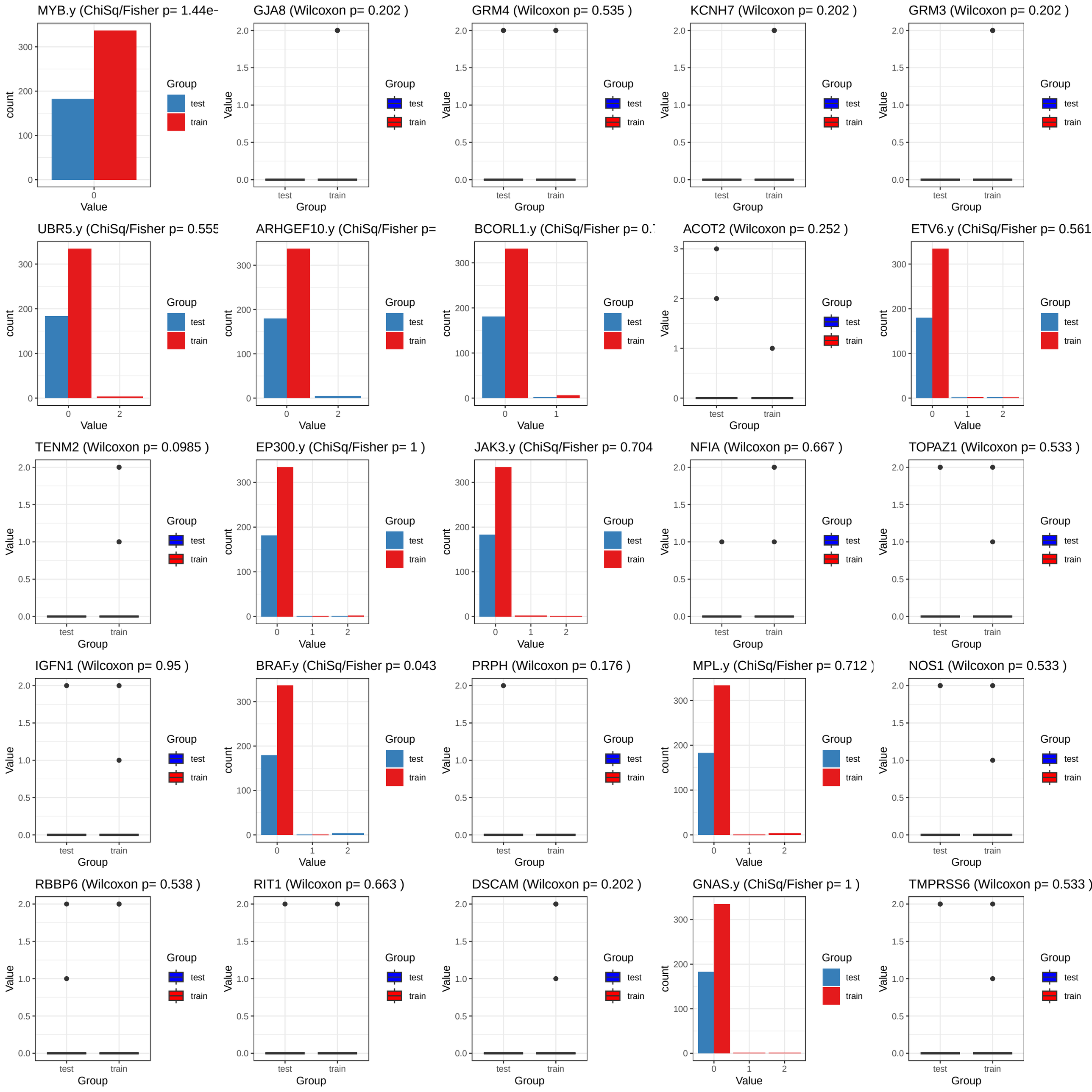

ALAS2 (Wilcoxon p= 0.513)
HPGDS (Wilcoxon p= 0.2)
DEFA4 (Wilcoxon p= 0.352)
DEFB1 (Wilcoxon p= 0.292)
CYYR1 (Wilcoxon p= 0.884)
SCN9A.x (Wilcoxon p= 0.529)
AHSP (Wilcoxon p= 0.746)
GYPA (Wilcoxon p= 0.798)
CDH2 (Wilcoxon p= 0.813)
GTSF1 (Wilcoxon p= 0.131)
HOXB9 (Wilcoxon p= 0.649)
TRH (Wilcoxon p= 0.126)
RXFP1 (Wilcoxon p= 0.72)
LAMB2 (Wilcoxon p= 0.793)
ARPP21 (Wilcoxon p= 0.312)
CSPG4 (Wilcoxon p= 0.0291)
CD34 (Wilcoxon p= 0.343)
C20orf166−AS1 (Wilcoxon p= 0.
DPP10 (Wilcoxon p= 0.743)
KCNE1L (Wilcoxon p= 0.607)
TTTY14 (Wilcoxon p= 0.788)
IRX5 (Wilcoxon p= 0.599)
LINC00982 (Wilcoxon p= 0.281
IRX3 (Wilcoxon p= 0.829)
CDH4 (Wilcoxon p= 0.502)
Value
Group
test
train

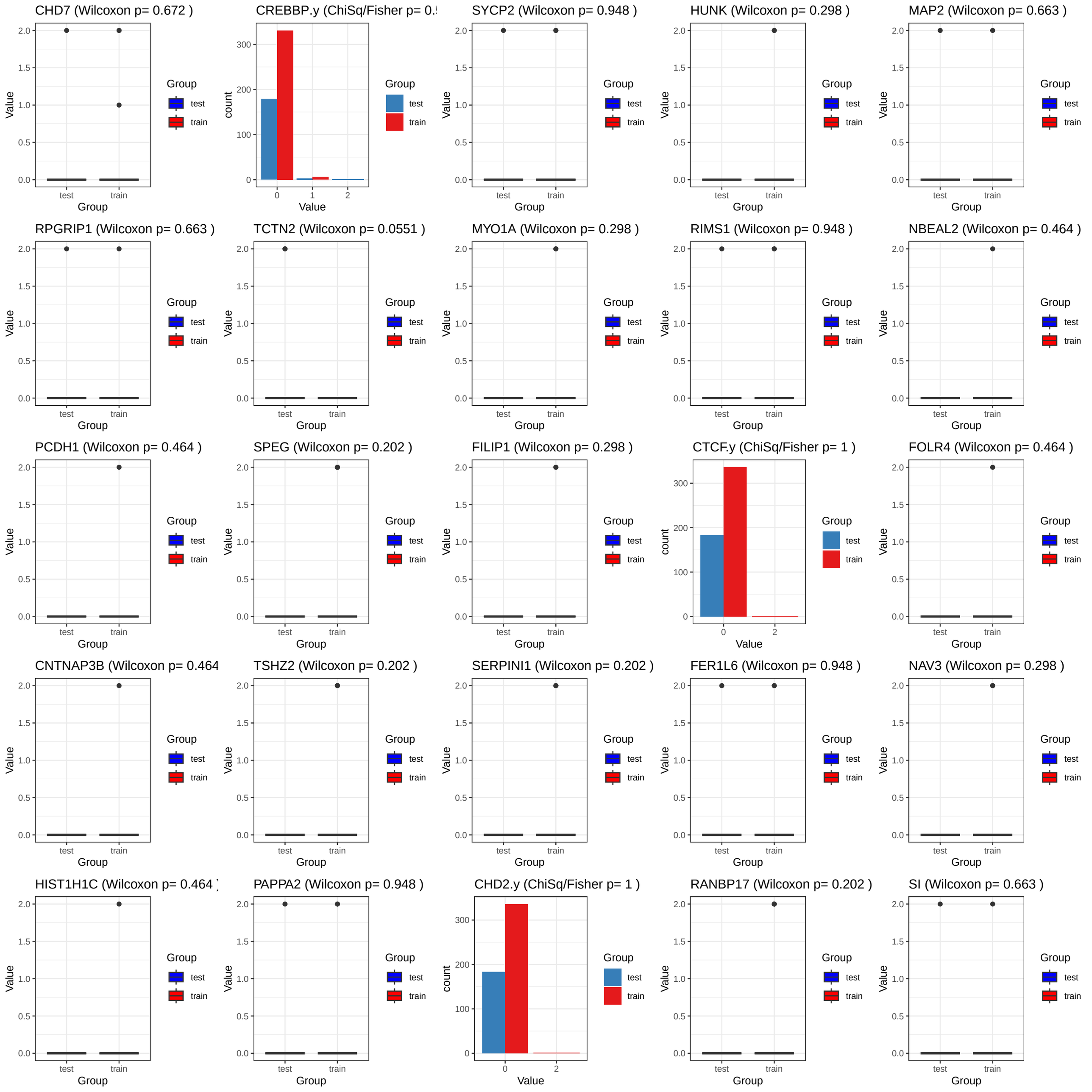

MKRN3 (Wilcoxon p= 0.937)
SLITRK4 (Wilcoxon p= 0.48)
SAGE1 (Wilcoxon p= 0.78)
NDN (Wilcoxon p= 0.675)
GPC6 (Wilcoxon p= 0.829)
WT1−AS (Wilcoxon p= 0.0854)
UTY (Wilcoxon p= 0.795)
DLK1 (Wilcoxon p= 0.812)
PRAME (Wilcoxon p= 0.665)
CD300E (Wilcoxon p= 0.176)
COL4A5 (Wilcoxon p= 0.159)
HBA2 (Wilcoxon p= 0.528)
S100A16 (Wilcoxon p= 0.101)
PAX8−AS1 (Wilcoxon p= 0.794)
EIF1AY (Wilcoxon p= 0.133)
CES1 (Wilcoxon p= 0.445)
ZFP57 (Wilcoxon p= 0.297)
CASC10 (Wilcoxon p= 0.147)
CD177 (Wilcoxon p= 0.636)
DEFA1 (Wilcoxon p= 0.27)
MEG3 (Wilcoxon p= 0.299)
AC016735.1 (Wilcoxon p= 0.554
AL589743.1 (Wilcoxon p= 0.034
AC091814.2 (Wilcoxon p= 0.362
XIST (Wilcoxon p= 0.387)
Value
Group
test
train

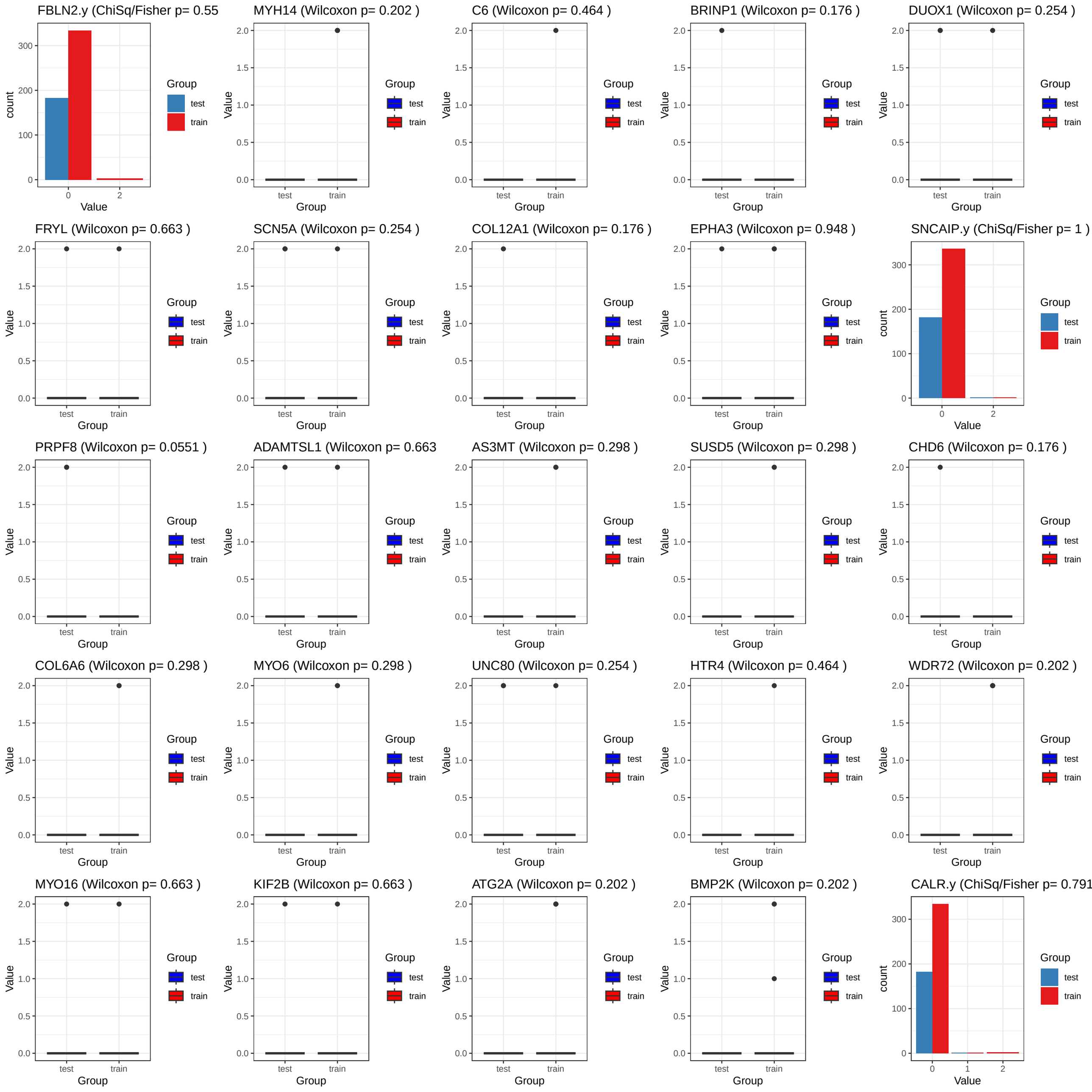

RP11−388P9.2 (Wilcoxon p= 0
HOXB−AS3 (Wilcoxon p= 0.187
AC104809.4 (Wilcoxon p= 0.599
TTTY15 (Wilcoxon p= 0.278)
DEFA3 (Wilcoxon p= 0.92)
DEFA1B (Wilcoxon p= 0.996)
HOXA11−AS (Wilcoxon p= 0.83
IL12A−AS1 (Wilcoxon p= 0.136
HBB (Wilcoxon p= 0.44)
KIAA1456 (Wilcoxon p= 0.779)
RP11−704M14.1 (Wilcoxon p= 0
IGKV2−23 (Wilcoxon p= 0.154)
RP11−129J12.2 (Wilcoxon p= 0
RP11−497G19.2 (Wilcoxon p= 0
RP11−497G19.1 (Wilcoxon p= 0
RP11−424G14.1 (Wilcoxon p= 0
AC004791.2 (Wilcoxon p= 0.953
RP11−114I8.4 (Wilcoxon p= 1.4
Tsne1 (Wilcoxon p= 0.0652)
Tsne2 (Wilcoxon p= 0.606)
DNMT3A.y (ChiSq/Fisher p= 0.
TET2.y (ChiSq/Fisher p= 0.896
NRAS.y (ChiSq/Fisher p= 0.001
TP53 (Wilcoxon p= 0.483)
RUNX1 (Wilcoxon p= 0.385)
Value
Group
test
train
count

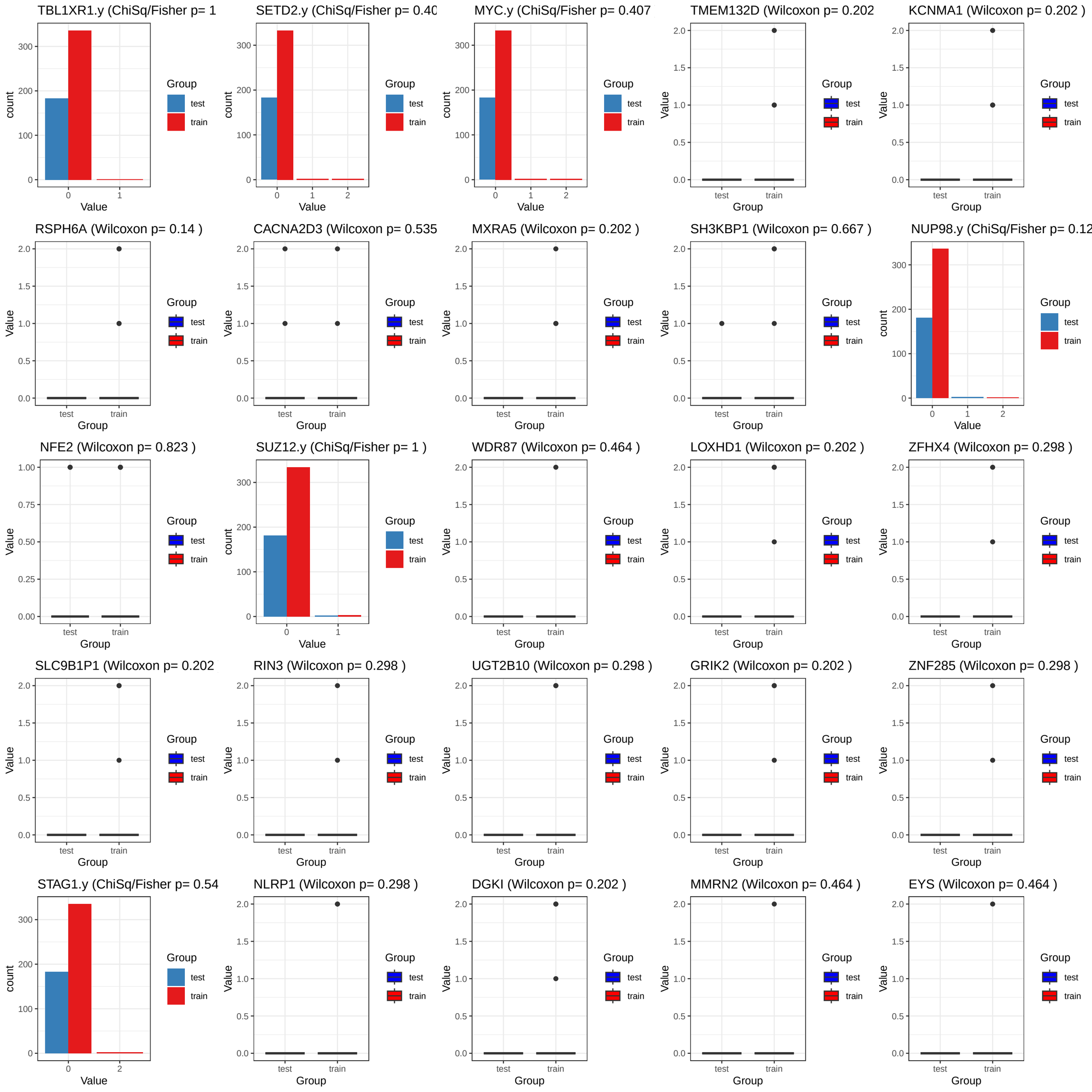

IDH2.y (ChiSq/Fisher p= 0.27)
FLT3.y (ChiSq/Fisher p= 0.399
SRSF2.y (ChiSq/Fisher p= 0.28
WT1.y (ChiSq/Fisher p= 0.882)
IDH1.y (ChiSq/Fisher p= 0.487
KRAS.y (ChiSq/Fisher p= 0.204
SF3B1.y (ChiSq/Fisher p= 0.11
U2AF1.y (ChiSq/Fisher p= 0.84
GATA2.y (ChiSq/Fisher p= 0.10
PTPN11.y (ChiSq/Fisher p= 0.9
NPM1 (Wilcoxon p= 0.309)
STAG2.y (ChiSq/Fisher p= 0.2)
CEBPA.y (ChiSq/Fisher p= 0.27
ASXL1 (Wilcoxon p= 0.106)
BCOR.y (ChiSq/Fisher p= 0.323
PHF6.y (ChiSq/Fisher p= 0.371
JAK2.y (ChiSq/Fisher p= 0.024
NF1.y (ChiSq/Fisher p= 0.0004
EZH2.y (ChiSq/Fisher p= 0.891
KIT.y (ChiSq/Fisher p= 0.634)
CSF3R.y (ChiSq/Fisher p= 0.85
SMC1A.y (ChiSq/Fisher p= 0.66
RAD21.y (ChiSq/Fisher p= 0.56
CBL.y (ChiSq/Fisher p= 0.209)
OTOP2 (Wilcoxon p= 0.464)
count
Value
Group
test
train

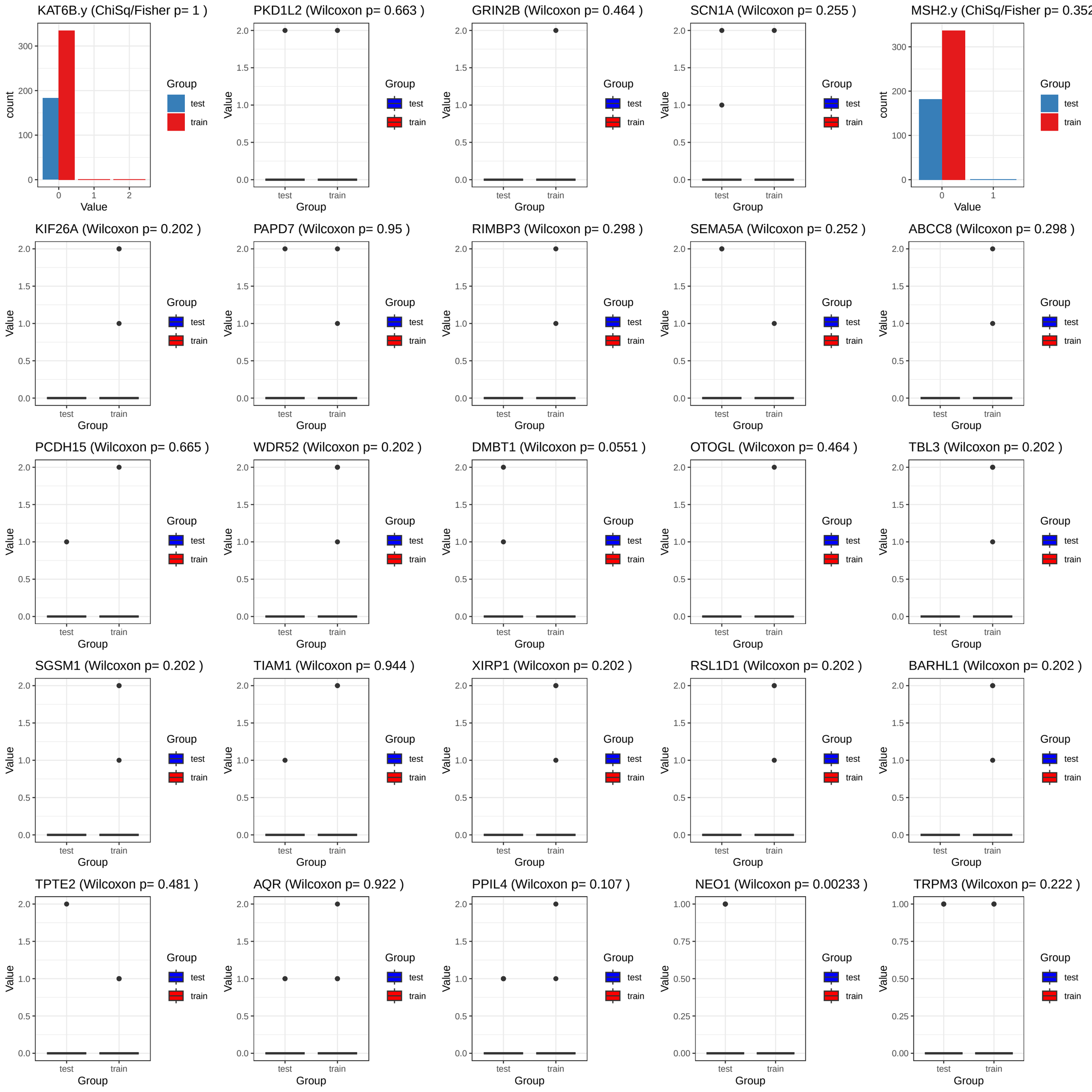

SMC3 (Wilcoxon p= 0.712)
IKZF1.y (ChiSq/Fisher p= 1)
PDS5B (Wilcoxon p= 0.00419)
SETBP1.y (ChiSq/Fisher p= 0.6
ZRSR2.y (ChiSq/Fisher p= 0.36
CCND3.y (ChiSq/Fisher p= 0.8(
ACAN (Wilcoxon p= 0.948)
CSMD2 (Wilcoxon p= 0.0985)
PUF60 (Wilcoxon p= 0.0985)
MYH13 (Wilcoxon p= 0.535)
TRRAP.y (ChiSq/Fisher p= 1)
BRCC3 (Wilcoxon p= 0.93)
TCHH (Wilcoxon p= 0.92)
DOCK7 (Wilcoxon p= 0.464)
ADCY8 (Wilcoxon p= 0.14)
SORCS2 (Wilcoxon p= 0.944)
NFATC4 (Wilcoxon p= 0.242)
TEX15 (Wilcoxon p= 0.202)
MAMLD1 (Wilcoxon p= 0.535)
BBS10 (Wilcoxon p= 0.464)
RPAP1 (Wilcoxon p= NaN)
SH2D7 (Wilcoxon p= 0.464)
DCDC1 (Wilcoxon p= 0.464)
ATP8B3 (Wilcoxon p= NaN)
LPIN2 (Wilcoxon p= 0.464)
Value
count
Group
test
train

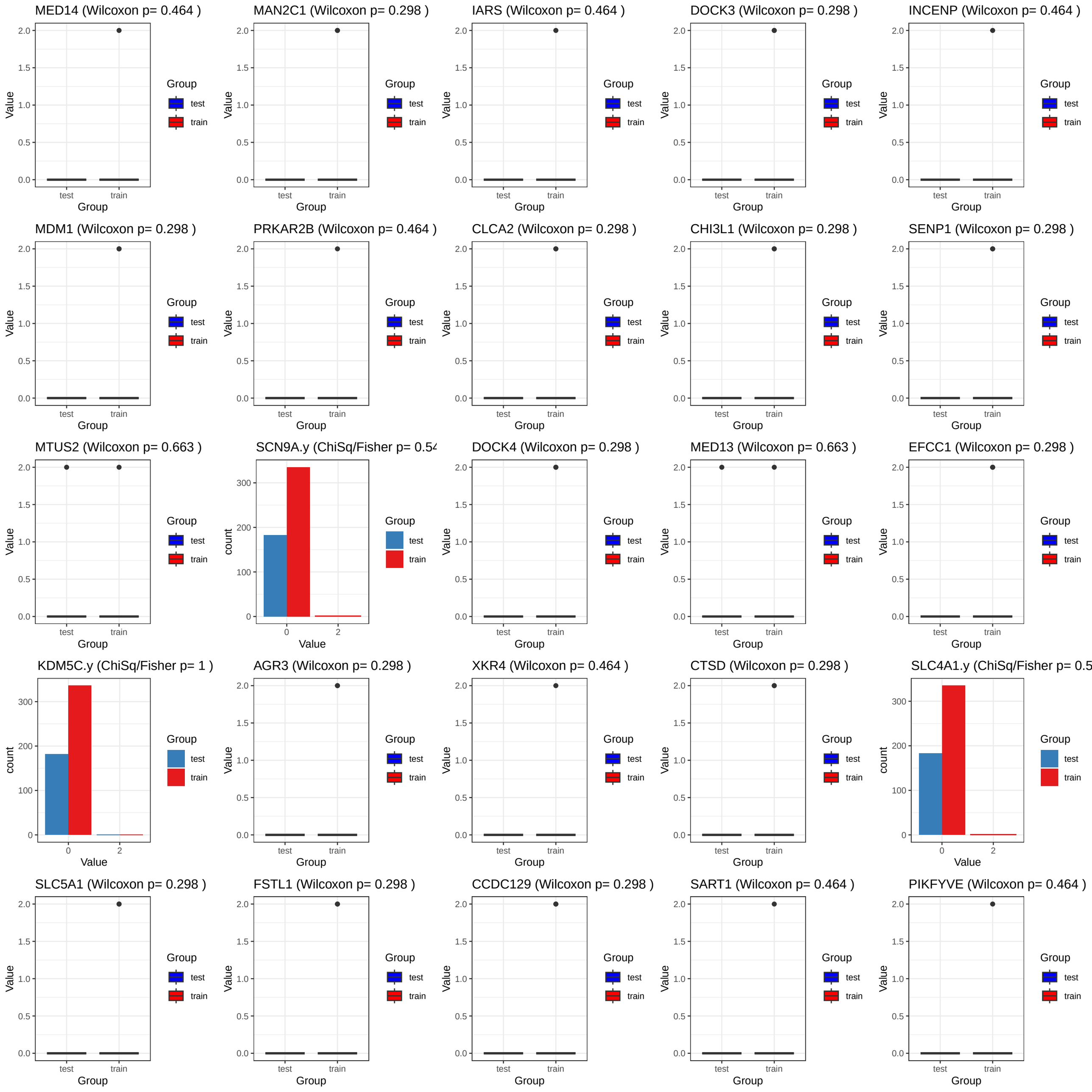

MYB.y (ChiSq/Fisher p= 1.44e-
GJA8 (Wilcoxon p= 0.202)
GRM4 (Wilcoxon p= 0.535)
KCNH7 (Wilcoxon p= 0.202)
GRM3 (Wilcoxon p= 0.202)
UBR5.y (ChiSq/Fisher p= 0.555
ARHGEF10.y (ChiSq/Fisher p=
BCORL1.y (ChiSq/Fisher p= 0.
ACOT2 (Wilcoxon p= 0.252)
ETV6.y (ChiSq/Fisher p= 0.561
TENM2 (Wilcoxon p= 0.0985)
EP300.y (ChiSq/Fisher p= 1)
JAK3.y (ChiSq/Fisher p= 0.704
NFIA (Wilcoxon p= 0.667)
TOPAZ1 (Wilcoxon p= 0.533)
IGFN1 (Wilcoxon p= 0.95)
BRAF.y (ChiSq/Fisher p= 0.043
PRPH (Wilcoxon p= 0.176)
MPL.y (ChiSq/Fisher p= 0.712)
NOS1 (Wilcoxon p= 0.533)
RBBP6 (Wilcoxon p= 0.538)
RIT1 (Wilcoxon p= 0.663)
DSCAM (Wilcoxon p= 0.202)
GNAS.y (ChiSq/Fisher p= 1)
TMPRSS6 (Wilcoxon p= 0.533)
count
Value
Group
test
train

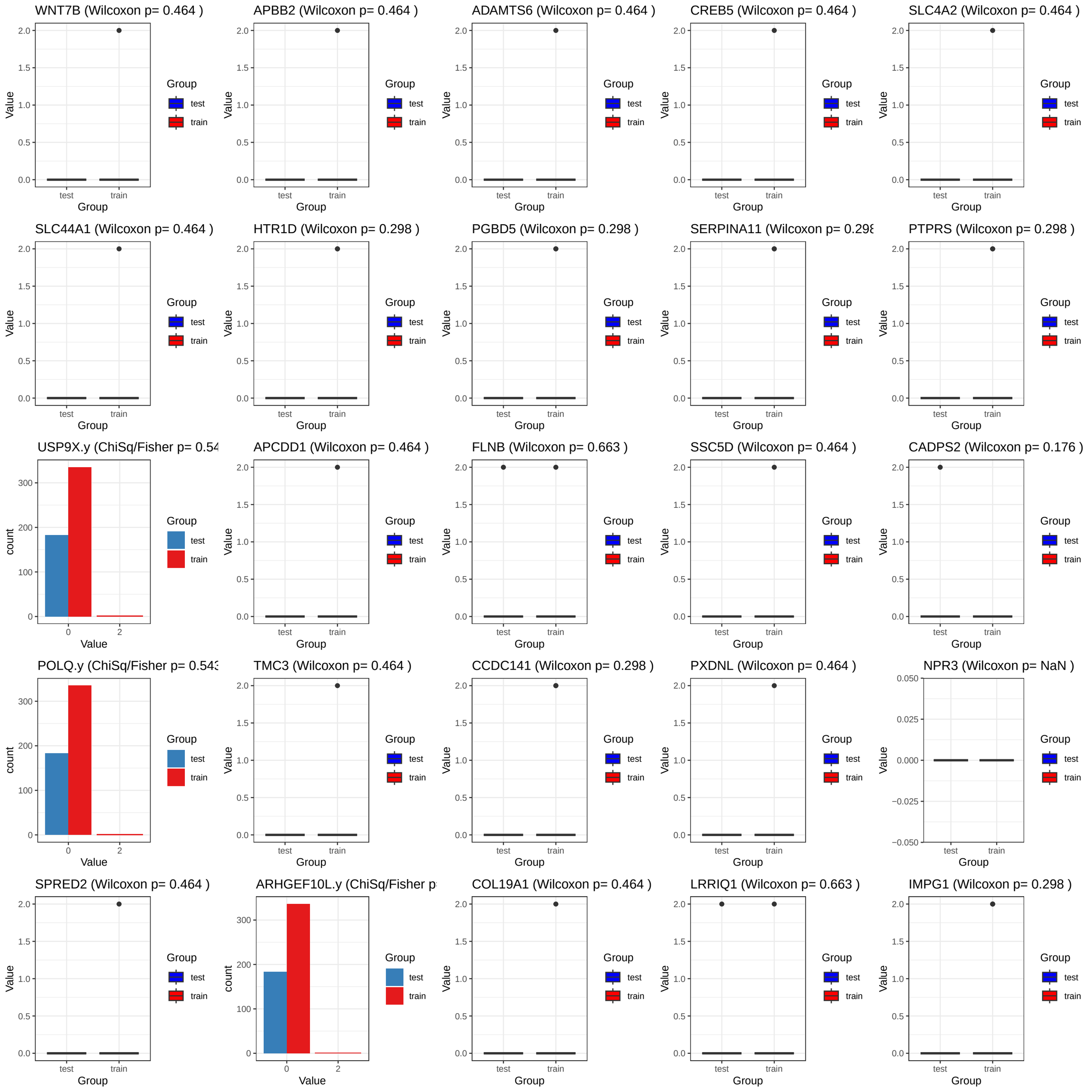

CHD7 (Wilcoxon p= 0.672)
CREBBP.y (ChiSq/Fisher p= 0.
SYCP2 (Wilcoxon p= 0.948)
HUNK (Wilcoxon p= 0.298)
MAP2 (Wilcoxon p= 0.663)
RPGRIP1 (Wilcoxon p= 0.663)
TCTN2 (Wilcoxon p= 0.0551)
MYO1A (Wilcoxon p= 0.298)
RIMS1 (Wilcoxon p= 0.948)
NBEAL2 (Wilcoxon p= 0.464)
PCDH1 (Wilcoxon p= 0.464)
SPEG (Wilcoxon p= 0.202)
FILIP1 (Wilcoxon p= 0.298)
CTCF.y (ChiSq/Fisher p= 1)
FOLR4 (Wilcoxon p= 0.464)
CNTNAP3B (Wilcoxon p= 0.464
TSHZ2 (Wilcoxon p= 0.202)
SERPINI1 (Wilcoxon p= 0.202)
FER1L6 (Wilcoxon p= 0.948)
NAV3 (Wilcoxon p= 0.298)
HIST1H1C (Wilcoxon p= 0.464)
PAPPA2 (Wilcoxon p= 0.948)
CHD2.y (ChiSq/Fisher p= 1)
RANBP17 (Wilcoxon p= 0.202)
SI (Wilcoxon p= 0.663)
Value
count
Group
test
train

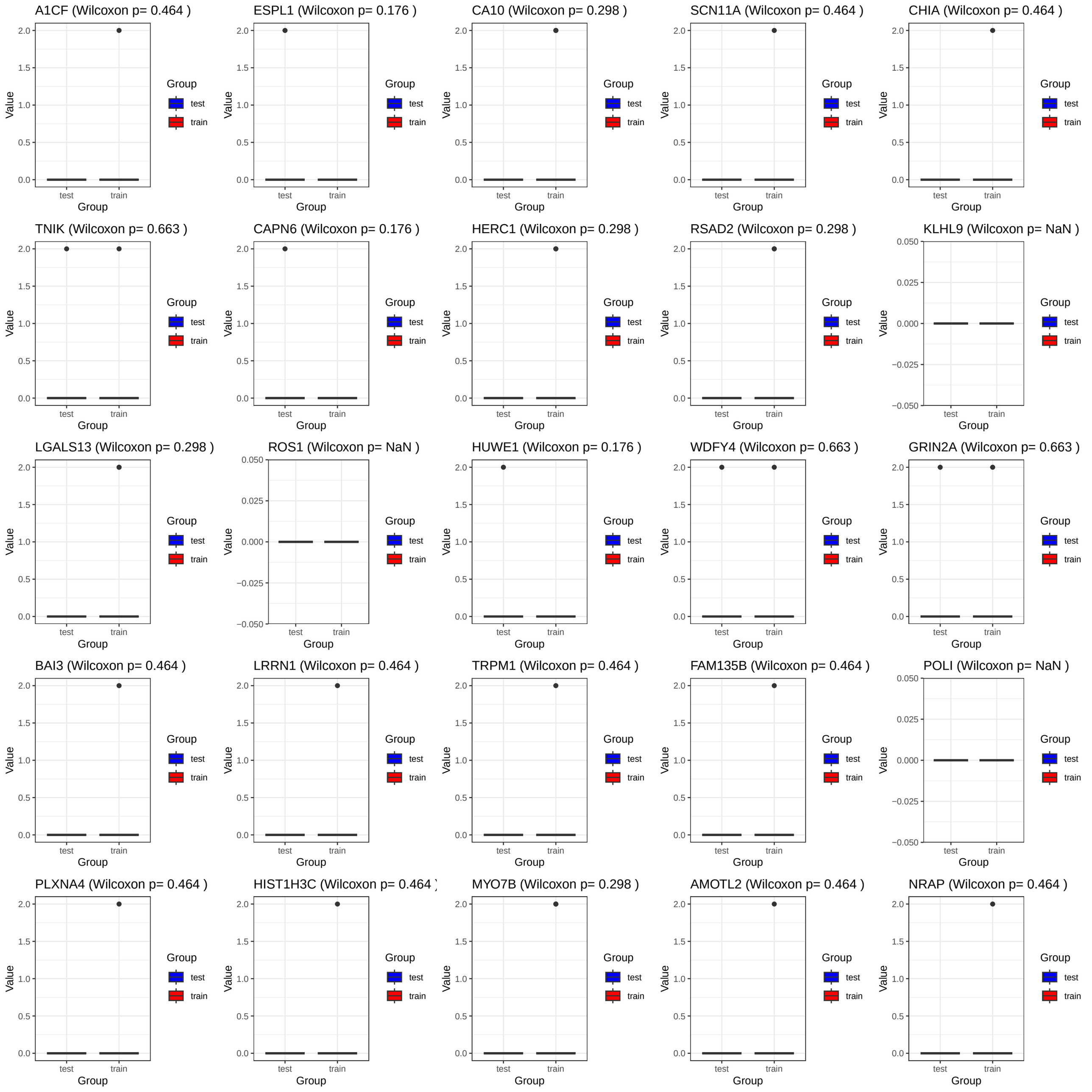

FBLN2.y (ChiSq/Fisher p= 0.55
MYH14 (Wilcoxon p= 0.202)
C6 (Wilcoxon p= 0.464)
BRINP1 (Wilcoxon p= 0.176)
DUOX1 (Wilcoxon p= 0.254)
FRYL (Wilcoxon p= 0.663)
SCN5A (Wilcoxon p= 0.254)
COL12A1 (Wilcoxon p= 0.176)
EPHA3 (Wilcoxon p= 0.948)
SNCAIP.y (ChiSq/Fisher p= 1)
PRPF8 (Wilcoxon p= 0.0551)
ADAMTSL1 (Wilcoxon p= 0.663
AS3MT (Wilcoxon p= 0.298)
SUSD5 (Wilcoxon p= 0.298)
CHD6 (Wilcoxon p= 0.176)
COL6A6 (Wilcoxon p= 0.298)
MYO6 (Wilcoxon p= 0.298)
UNC80 (Wilcoxon p= 0.254)
HTR4 (Wilcoxon p= 0.464)
WDR72 (Wilcoxon p= 0.202)
MYO16 (Wilcoxon p= 0.663)
KIF2B (Wilcoxon p= 0.663)
ATG2A (Wilcoxon p= 0.202)
BMP2K (Wilcoxon p= 0.202)
CALR.y (ChiSq/Fisher p= 0.791
count
Value
Group
test
train

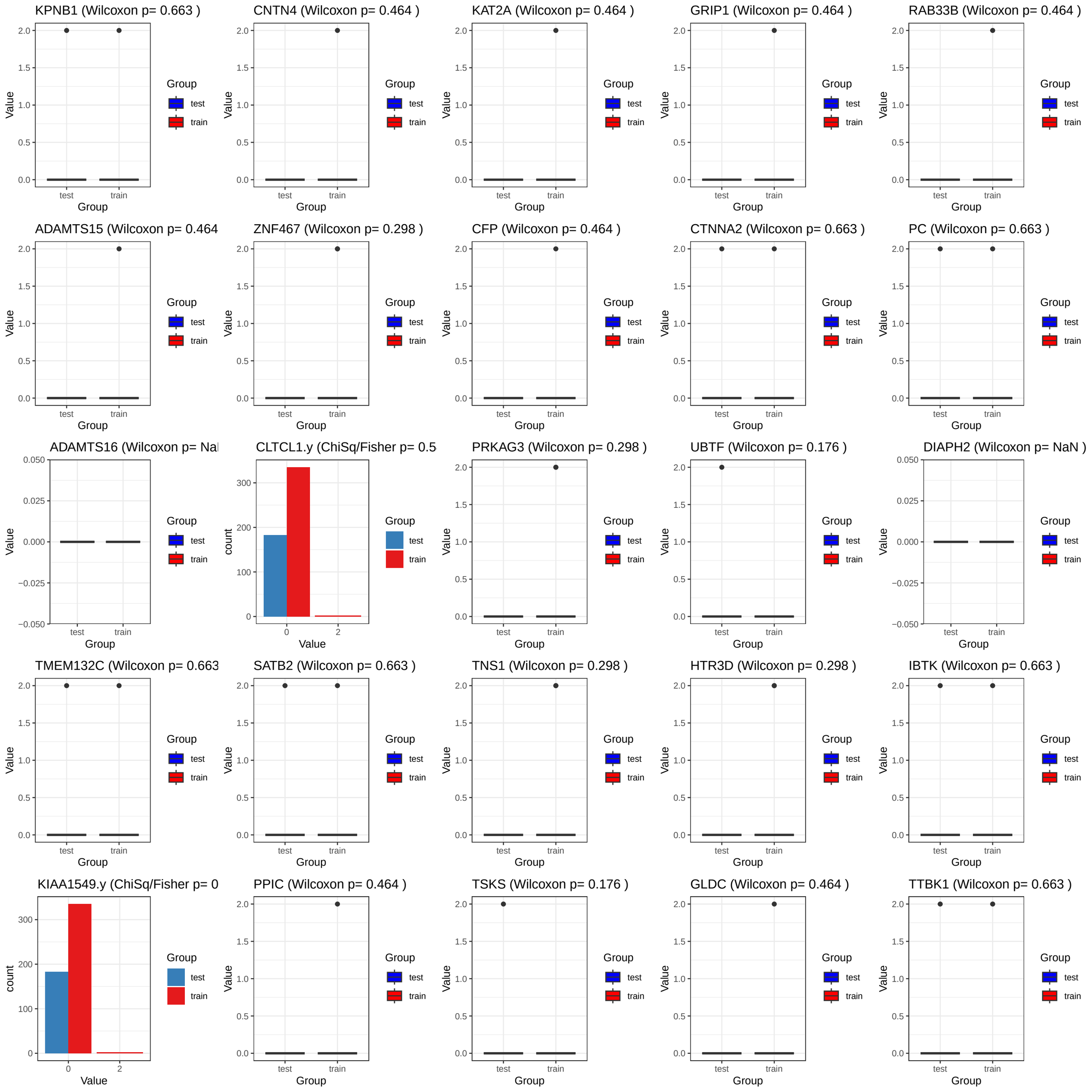

TBL1XR1.y (ChiSq/Fisher p= 1
SETD2.y (ChiSq/Fisher p= 0.40
MYC.y (ChiSq/Fisher p= 0.407
TMEM132D (Wilcoxon p= 0.202
KCNMA1 (Wilcoxon p= 0.202)
RSPH6A (Wilcoxon p= 0.14)
CACNA2D3 (Wilcoxon p= 0.535
MXRA5 (Wilcoxon p= 0.202)
SH3KBP1 (Wilcoxon p= 0.667)
NUP98.y (ChiSq/Fisher p= 0.12
NFE2 (Wilcoxon p= 0.823)
SUZ12.y (ChiSq/Fisher p= 1)
WDR87 (Wilcoxon p= 0.464)
LOXHD1 (Wilcoxon p= 0.202)
ZFHX4 (Wilcoxon p= 0.298)
SLC9B1P1 (Wilcoxon p= 0.202
RIN3 (Wilcoxon p= 0.298)
UGT2B10 (Wilcoxon p= 0.298)
GRIK2 (Wilcoxon p= 0.202)
ZNF285 (Wilcoxon p= 0.298)
STAG1.y (ChiSq/Fisher p= 0.54
NLRP1 (Wilcoxon p= 0.298)
DGKI (Wilcoxon p= 0.202)
MMRN2 (Wilcoxon p= 0.464)
EYS (Wilcoxon p= 0.464)
count
Value
Group
test
train

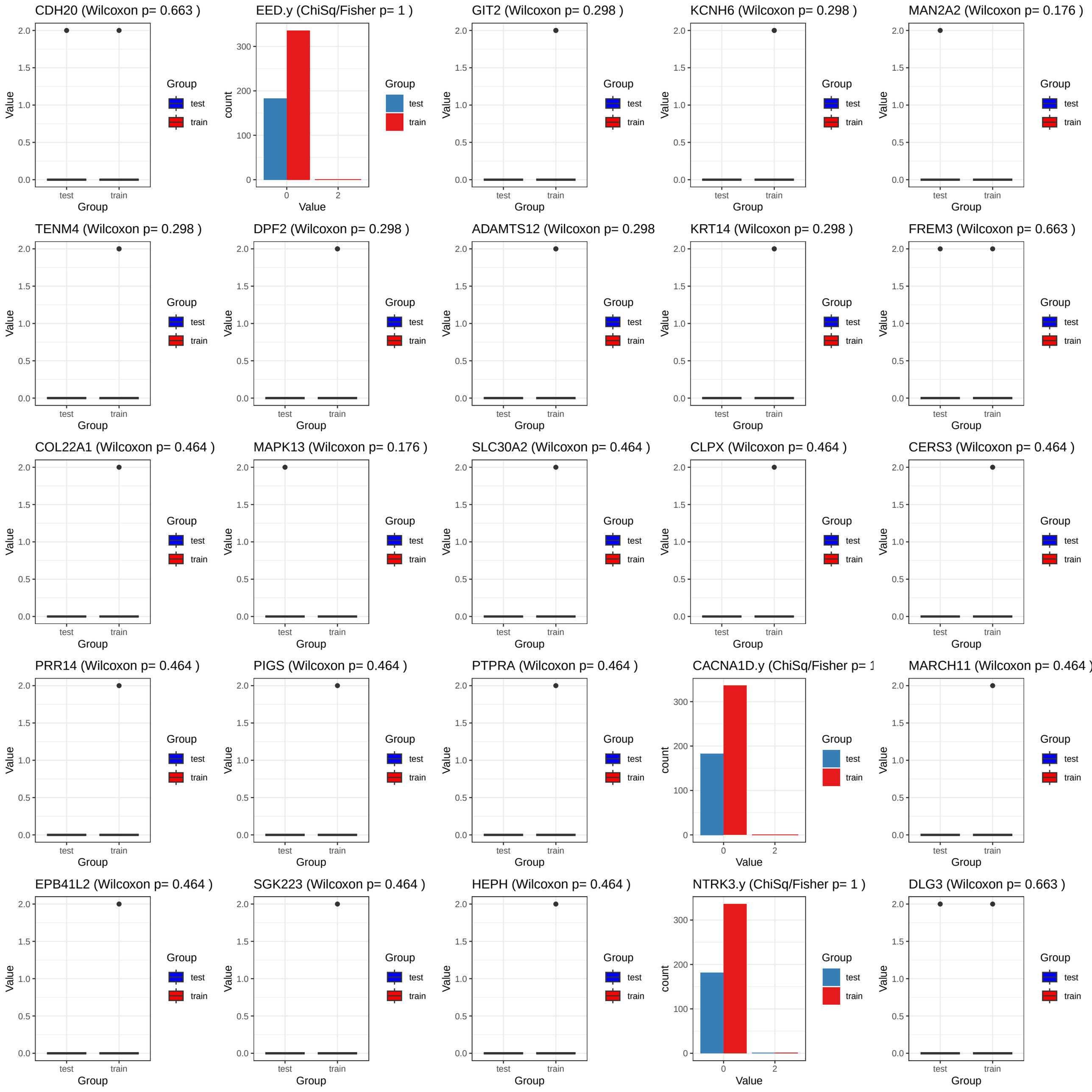

KAT6B.y (ChiSq/Fisher p= 1)
count
Value
Group
test
train
PKD1L2 (Wilcoxon p= 0.663)
GRIN2B (Wilcoxon p= 0.464)
SCN1A (Wilcoxon p= 0.255)
MSH2.y (ChiSq/Fisher p= 0.352
KIF26A (Wilcoxon p= 0.202)
PAPD7 (Wilcoxon p= 0.95)
RIMBP3 (Wilcoxon p= 0.298)
SEMA5A (Wilcoxon p= 0.252)
ABCC8 (Wilcoxon p= 0.298)
PCDH15 (Wilcoxon p= 0.665)
WDR52 (Wilcoxon p= 0.202)
DMBT1 (Wilcoxon p= 0.0551)
OTOGL (Wilcoxon p= 0.464)
TBL3 (Wilcoxon p= 0.202)
SGSM1 (Wilcoxon p= 0.202)
TIAM1 (Wilcoxon p= 0.944)
XIRP1 (Wilcoxon p= 0.202)
RSL1D1 (Wilcoxon p= 0.202)
BARHL1 (Wilcoxon p= 0.202)
TPTE2 (Wilcoxon p= 0.481)
AQR (Wilcoxon p= 0.922)
PPIL4 (Wilcoxon p= 0.107)
NEO1 (Wilcoxon p= 0.00233)
TRPM3 (Wilcoxon p= 0.222)

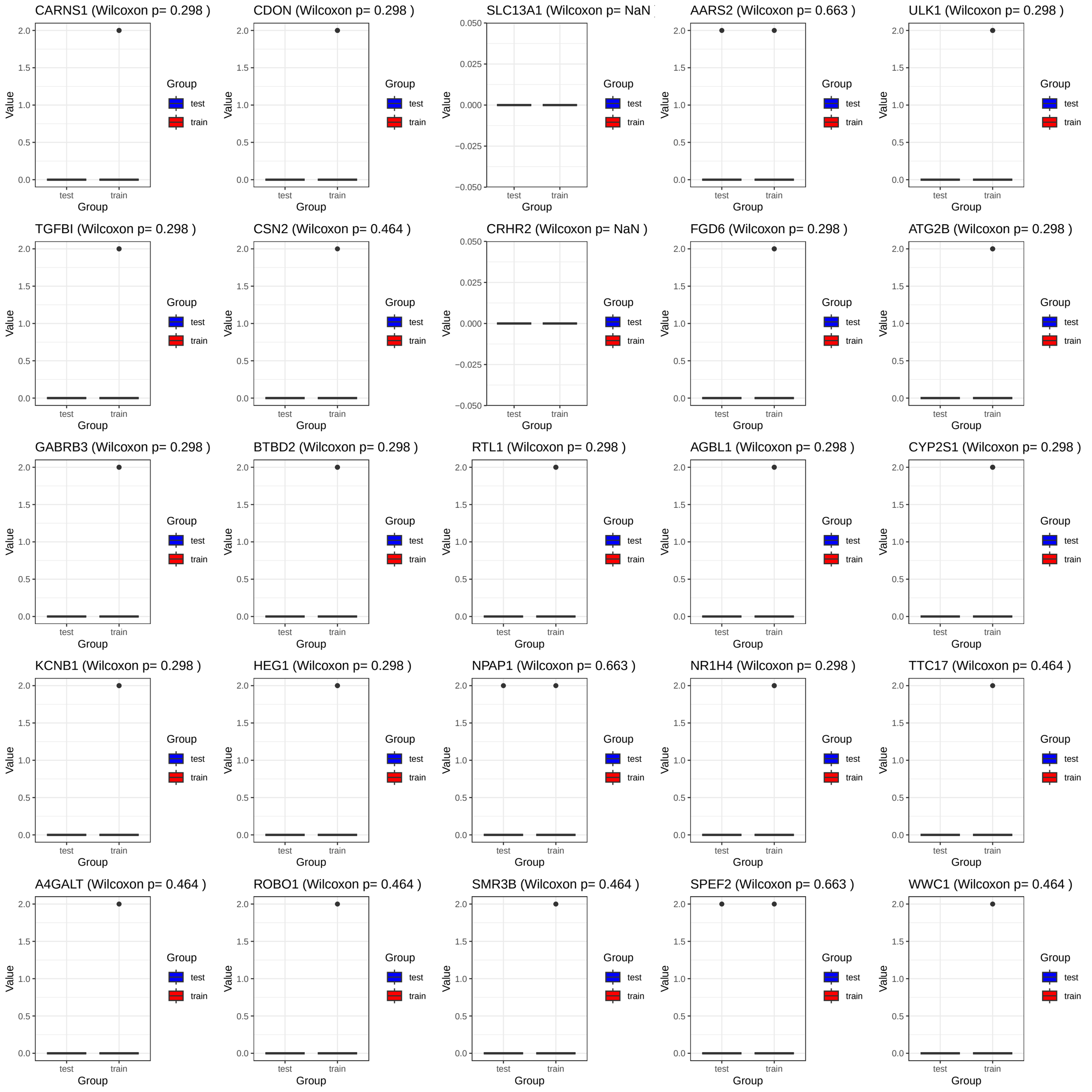

MED14 (Wilcoxon p= 0.464)
MAN2C1 (Wilcoxon p= 0.298)
IARS (Wilcoxon p= 0.464)
DOCK3 (Wilcoxon p= 0.298)
INCENP (Wilcoxon p= 0.464)
MDM1 (Wilcoxon p= 0.298)
PRKAR2B (Wilcoxon p= 0.464)
CLCA2 (Wilcoxon p= 0.298)
CHI3L1 (Wilcoxon p= 0.298)
SENP1 (Wilcoxon p= 0.298)
MTUS2 (Wilcoxon p= 0.663)
SCN9A.y (ChiSq/Fisher p= 0.54
DOCK4 (Wilcoxon p= 0.298)
MED13 (Wilcoxon p= 0.663)
EFCC1 (Wilcoxon p= 0.298)
KDM5C.y (ChiSq/Fisher p= 1)
AGR3 (Wilcoxon p= 0.298)
XKR4 (Wilcoxon p= 0.464)
CTSD (Wilcoxon p= 0.298)
SLC4A1.y (ChiSq/Fisher p= 0.5
SLC5A1 (Wilcoxon p= 0.298)
FSTL1 (Wilcoxon p= 0.298)
CCDC129 (Wilcoxon p= 0.298)
SART1 (Wilcoxon p= 0.464)
PIKFYVE (Wilcoxon p= 0.464)
Value
count
Group
test
train

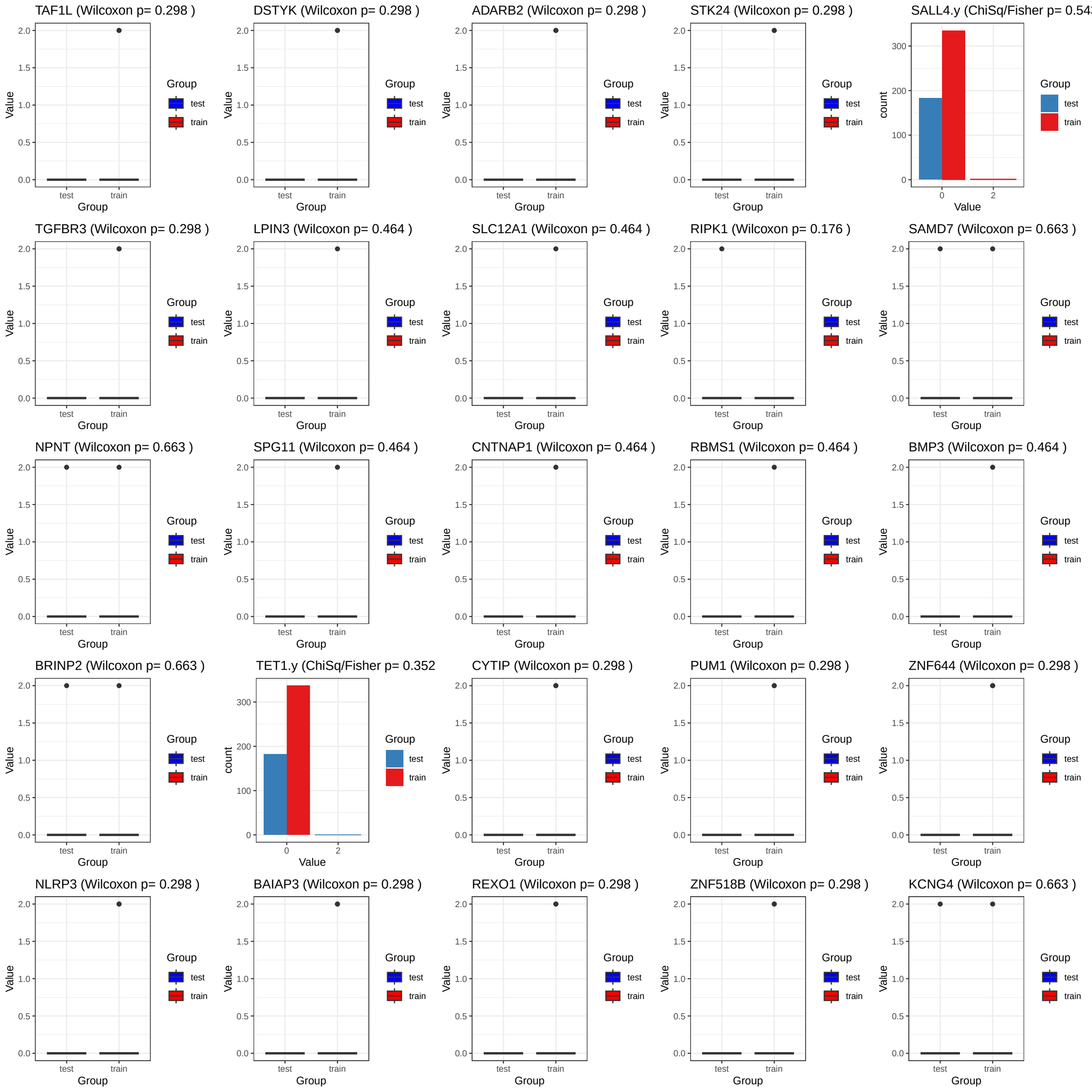

WNT7B (Wilcoxon p= 0.464)
APBB2 (Wilcoxon p= 0.464)
ADAMTS6 (Wilcoxon p= 0.464)
CREB5 (Wilcoxon p= 0.464)
SLC4A2 (Wilcoxon p= 0.464)
SLC44A1 (Wilcoxon p= 0.464)
HTR1D (Wilcoxon p= 0.298)
PGBD5 (Wilcoxon p= 0.298)
SERPINA11 (Wilcoxon p= 0.298
PTPRS (Wilcoxon p= 0.298)
USP9X.y (ChiSq/Fisher p= 0.54
APCDD1 (Wilcoxon p= 0.464)
FLNB (Wilcoxon p= 0.663)
SSC5D (Wilcoxon p= 0.464)
CADPS2 (Wilcoxon p= 0.176)
POLQ.y (ChiSq/Fisher p= 0.543
TMC3 (Wilcoxon p= 0.464)
CCDC141 (Wilcoxon p= 0.298)
PXDNL (Wilcoxon p= 0.464)
NPR3 (Wilcoxon p= NaN)
SPRED2 (Wilcoxon p= 0.464)
ARHGEF10L.y (ChiSq/Fisher p
COL19A1 (Wilcoxon p= 0.464)
LRRIQ1 (Wilcoxon p= 0.663)
IMPG1 (Wilcoxon p= 0.298)
Value
count
Group
test
train

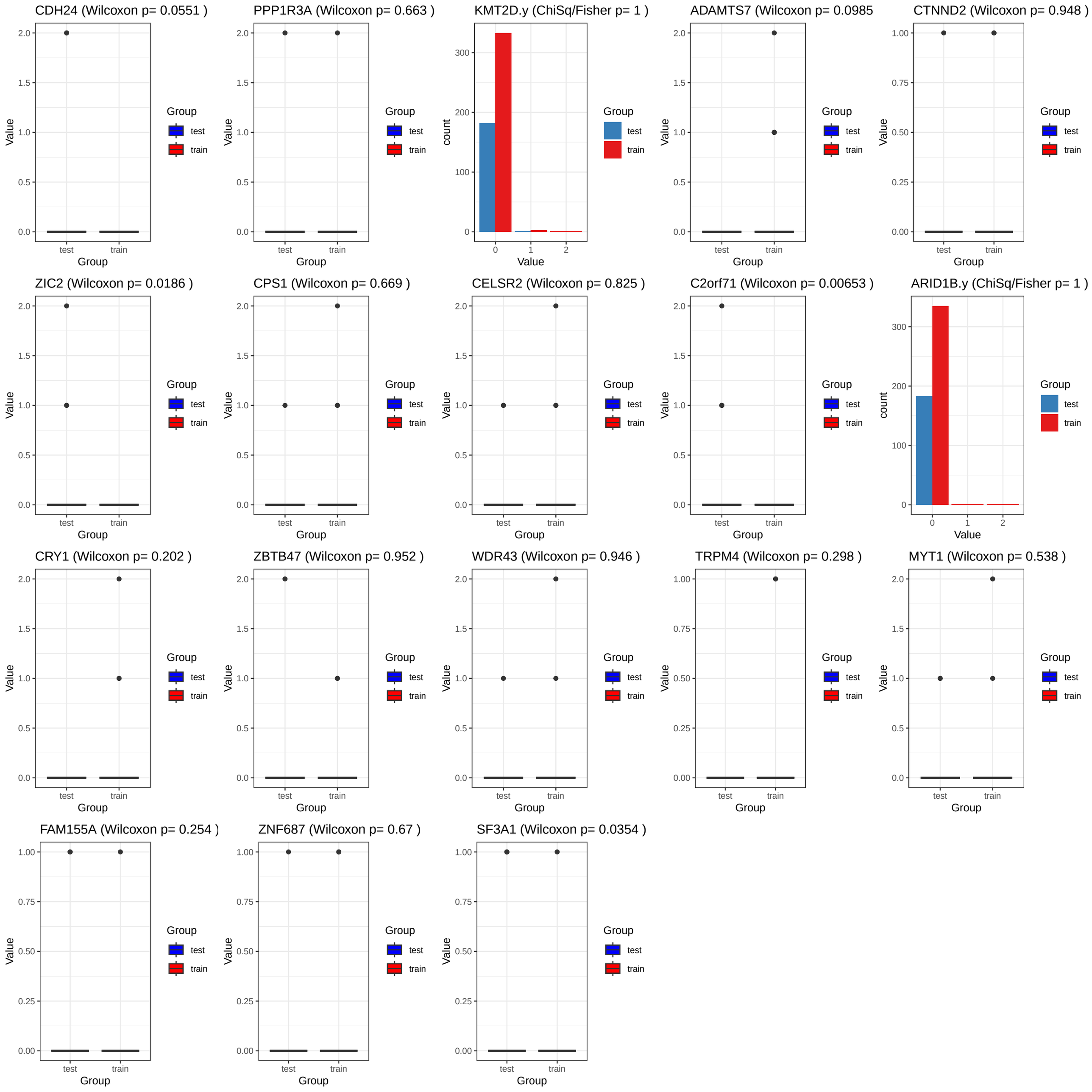

A1CF (Wilcoxon p= 0.464)
ESPL1 (Wilcoxon p= 0.176)
CA10 (Wilcoxon p= 0.298)
SCN11A (Wilcoxon p= 0.464)
CHIA (Wilcoxon p= 0.464)
TNIK (Wilcoxon p= 0.663)
CAPN6 (Wilcoxon p= 0.176)
HERC1 (Wilcoxon p= 0.298)
RSAD2 (Wilcoxon p= 0.298)
KLHL9 (Wilcoxon p= NaN)
LGALS13 (Wilcoxon p= 0.298)
ROS1 (Wilcoxon p= NaN)
HUWE1 (Wilcoxon p= 0.176)
WDFY4 (Wilcoxon p= 0.663)
GRIN2A (Wilcoxon p= 0.663)
BAI3 (Wilcoxon p= 0.464)
LRRN1 (Wilcoxon p= 0.464)
TRPM1 (Wilcoxon p= 0.464)
FAM135B (Wilcoxon p= 0.464)
POLI (Wilcoxon p= NaN)
PLXNA4 (Wilcoxon p= 0.464)
HIST1H3C (Wilcoxon p= 0.464)
MYO7B (Wilcoxon p= 0.298)
AMOTL2 (Wilcoxon p= 0.464)
NRAP (Wilcoxon p= 0.464)
Value
Group
test
train


KPNB1 (Wilcoxon p= 0.663)
CNTN4 (Wilcoxon p= 0.464)
KAT2A (Wilcoxon p= 0.464)
GRIP1 (Wilcoxon p= 0.464)
RAB33B (Wilcoxon p= 0.464)
ADAMTS15 (Wilcoxon p= 0.464
ZNF467 (Wilcoxon p= 0.298)
CFP (Wilcoxon p= 0.464)
CTNNA2 (Wilcoxon p= 0.663)
PC (Wilcoxon p= 0.663)
ADAMTS16 (Wilcoxon p= Nal
CLTCL1.y (ChiSq/Fisher p= 0.5
PRKAG3 (Wilcoxon p= 0.298)
UBTF (Wilcoxon p= 0.176)
DIAPH2 (Wilcoxon p= NaN)
TMEM132C (Wilcoxon p= 0.663
SATB2 (Wilcoxon p= 0.663)
TNS1 (Wilcoxon p= 0.298)
HTR3D (Wilcoxon p= 0.298)
IBTK (Wilcoxon p= 0.663)
KIAA1549.y (ChiSq/Fisher p= 0
PPIC (Wilcoxon p= 0.464)
TSKS (Wilcoxon p= 0.176)
GLDC (Wilcoxon p= 0.464)
TTBK1 (Wilcoxon p= 0.663)
Value
count
Group
test
train


CDH20 (Wilcoxon p= 0.663)
EED.y (ChiSq/Fisher p= 1)
GIT2 (Wilcoxon p= 0.298)
KCNH6 (Wilcoxon p= 0.298)
MAN2A2 (Wilcoxon p= 0.176)
TENM4 (Wilcoxon p= 0.298)
DPF2 (Wilcoxon p= 0.298)
ADAMTS12 (Wilcoxon p= 0.298
KRT14 (Wilcoxon p= 0.298)
FREM3 (Wilcoxon p= 0.663)
COL22A1 (Wilcoxon p= 0.464)
MAPK13 (Wilcoxon p= 0.176)
SLC30A2 (Wilcoxon p= 0.464)
CLPX (Wilcoxon p= 0.464)
CERS3 (Wilcoxon p= 0.464)
PRR14 (Wilcoxon p= 0.464)
PIGS (Wilcoxon p= 0.464)
PTPRA (Wilcoxon p= 0.464)
CACNA1D.y (ChiSq/Fisher p= 1
MARCH11 (Wilcoxon p= 0.464)
EPB41L2 (Wilcoxon p= 0.464)
SGK223 (Wilcoxon p= 0.464)
HEPH (Wilcoxon p= 0.464)
NTRK3.y (ChiSq/Fisher p= 1)
DLG3 (Wilcoxon p= 0.663)
Value
count
Group
test
train


CARNS1 (Wilcoxon p= 0.298)
CDON (Wilcoxon p= 0.298)
SLC13A1 (Wilcoxon p= NaN)
AARS2 (Wilcoxon p= 0.663)
ULK1 (Wilcoxon p= 0.298)
TGFBI (Wilcoxon p= 0.298)
CSN2 (Wilcoxon p= 0.464)
CRHR2 (Wilcoxon p= NaN)
FGD6 (Wilcoxon p= 0.298)
ATG2B (Wilcoxon p= 0.298)
GABRB3 (Wilcoxon p= 0.298)
BTBD2 (Wilcoxon p= 0.298)
RTL1 (Wilcoxon p= 0.298)
AGBL1 (Wilcoxon p= 0.298)
CYP2S1 (Wilcoxon p= 0.298)
KCNB1 (Wilcoxon p= 0.298)
HEG1 (Wilcoxon p= 0.298)
NPAP1 (Wilcoxon p= 0.663)
NR1H4 (Wilcoxon p= 0.298)
TTC17 (Wilcoxon p= 0.464)
A4GALT (Wilcoxon p= 0.464)
ROBO1 (Wilcoxon p= 0.464)
SMR3B (Wilcoxon p= 0.464)
SPEF2 (Wilcoxon p= 0.663)
WWC1 (Wilcoxon p= 0.464)
Value
Group
test
train


TAF1L (Wilcoxon p= 0.298)
DSTYK (Wilcoxon p= 0.298)
ADARB2 (Wilcoxon p= 0.298)
STK24 (Wilcoxon p= 0.298)
SALL4.y (ChiSq/Fisher p= 0.543
TGFBR3 (Wilcoxon p= 0.298)
LPIN3 (Wilcoxon p= 0.464)
SLC12A1 (Wilcoxon p= 0.464)
RIPK1 (Wilcoxon p= 0.176)
SAMD7 (Wilcoxon p= 0.663)
NPNT (Wilcoxon p= 0.663)
SPG11 (Wilcoxon p= 0.464)
CNTNAP1 (Wilcoxon p= 0.464)
RBMS1 (Wilcoxon p= 0.464)
BMP3 (Wilcoxon p= 0.464)
BRINP2 (Wilcoxon p= 0.663)
TET1.y (ChiSq/Fisher p= 0.352
CYTIP (Wilcoxon p= 0.298)
PUM1 (Wilcoxon p= 0.298)
ZNF644 (Wilcoxon p= 0.298)
NLRP3 (Wilcoxon p= 0.298)
BAIAP3 (Wilcoxon p= 0.298)
REXO1 (Wilcoxon p= 0.298)
ZNF518B (Wilcoxon p= 0.298)
KCNG4 (Wilcoxon p= 0.663)
Value
count
Group
test
train
0.0
0.5
1.0
1.5
2.0
0
100
200
300
2


CDH24 (Wilcoxon p= 0.0551)
PPP1R3A (Wilcoxon p= 0.663)
KMT2D.y (ChiSq/Fisher p= 1)
ADAMTS7 (Wilcoxon p= 0.0985
CTNND2 (Wilcoxon p= 0.948)
ZIC2 (Wilcoxon p= 0.0186)
CPS1 (Wilcoxon p= 0.669)
CELSR2 (Wilcoxon p= 0.825)
C2orf71 (Wilcoxon p= 0.00653)
ARID1B.y (ChiSq/Fisher p= 1)
CRY1 (Wilcoxon p= 0.202)
ZBTB47 (Wilcoxon p= 0.952)
WDR43 (Wilcoxon p= 0.946)
TRPM4 (Wilcoxon p= 0.298)
MYT1 (Wilcoxon p= 0.538)
FAM155A (Wilcoxon p= 0.254)
ZNF687 (Wilcoxon p= 0.67)
SF3A1 (Wilcoxon p= 0.0354)
Value
count
Group
test
train