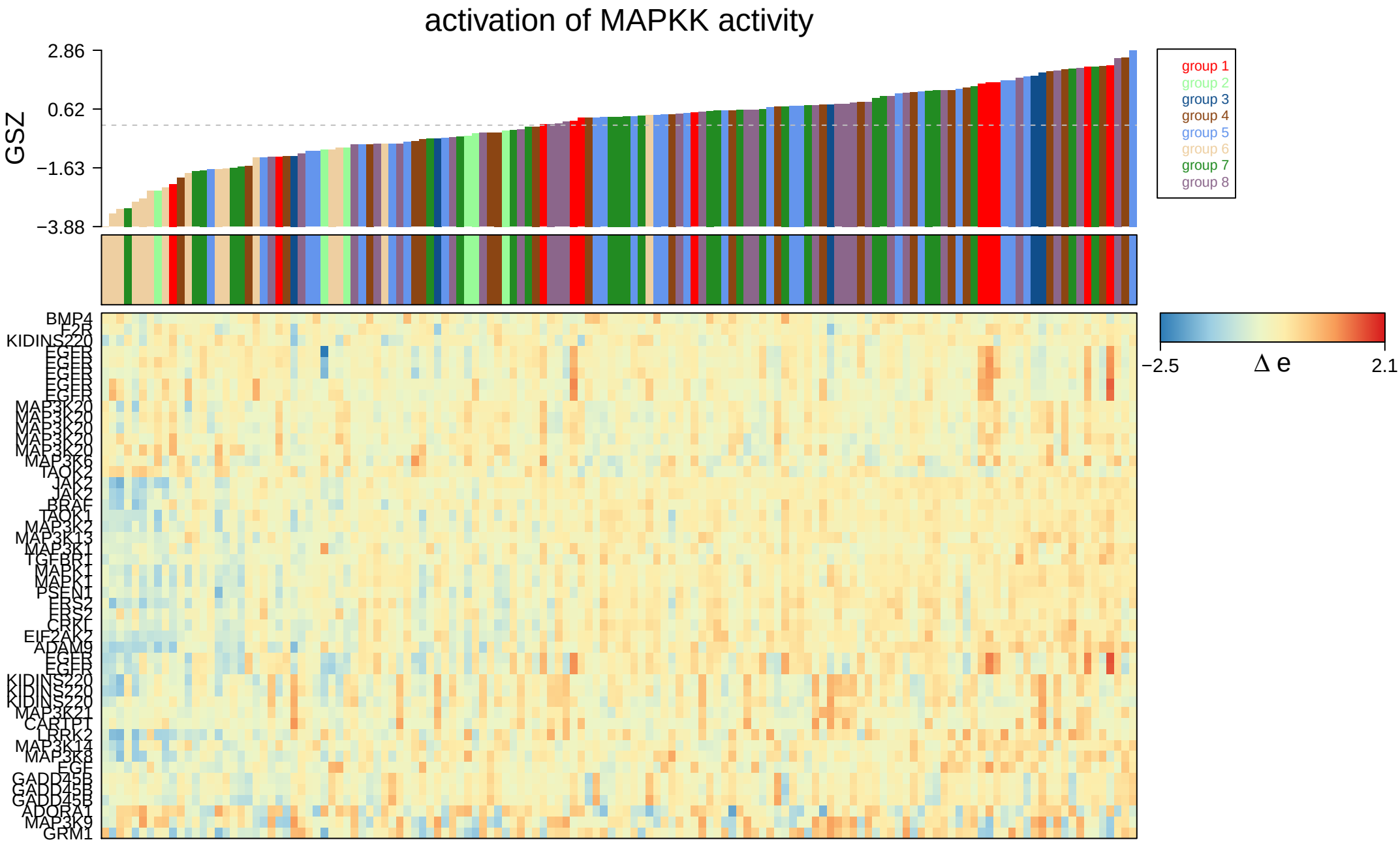
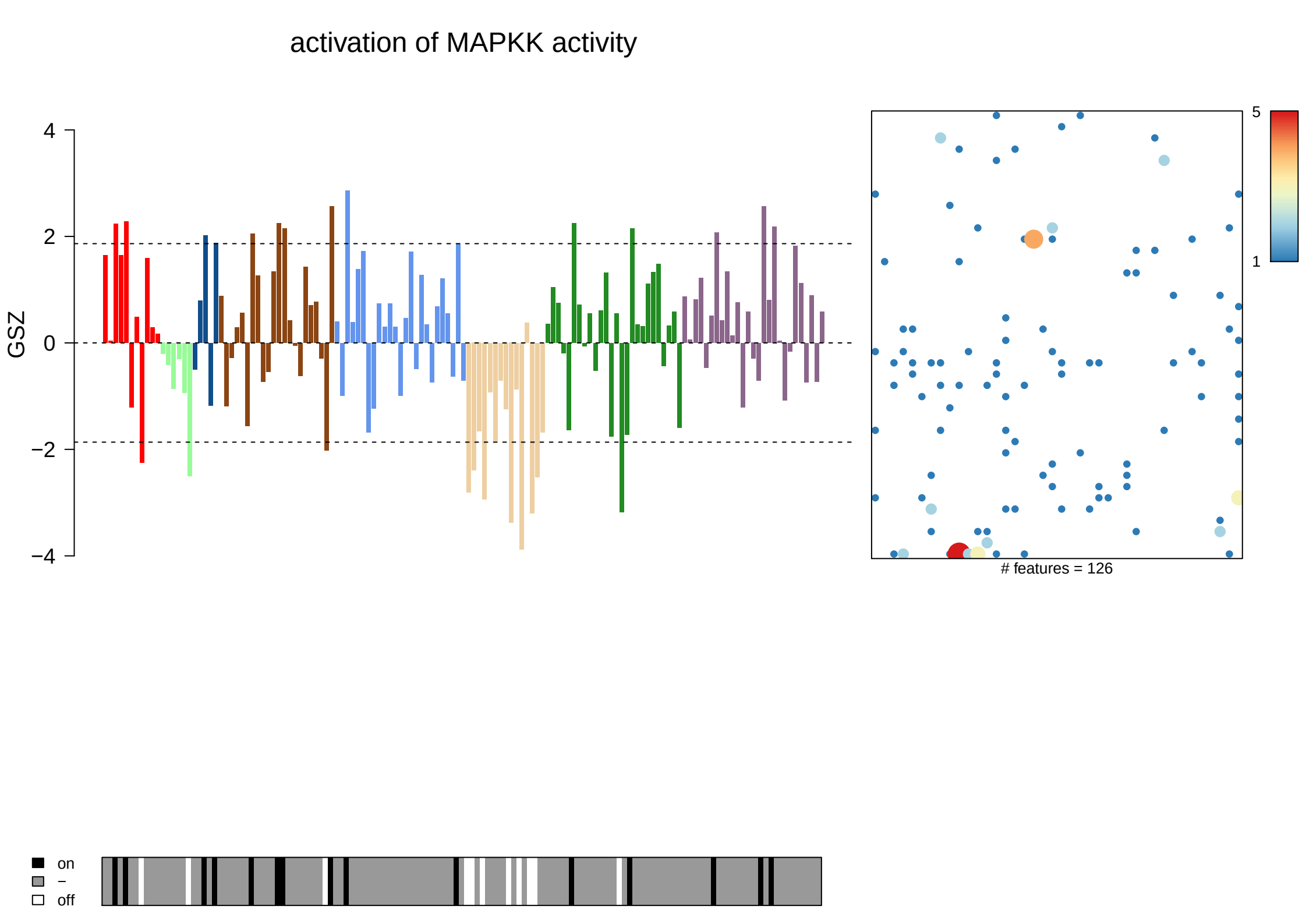
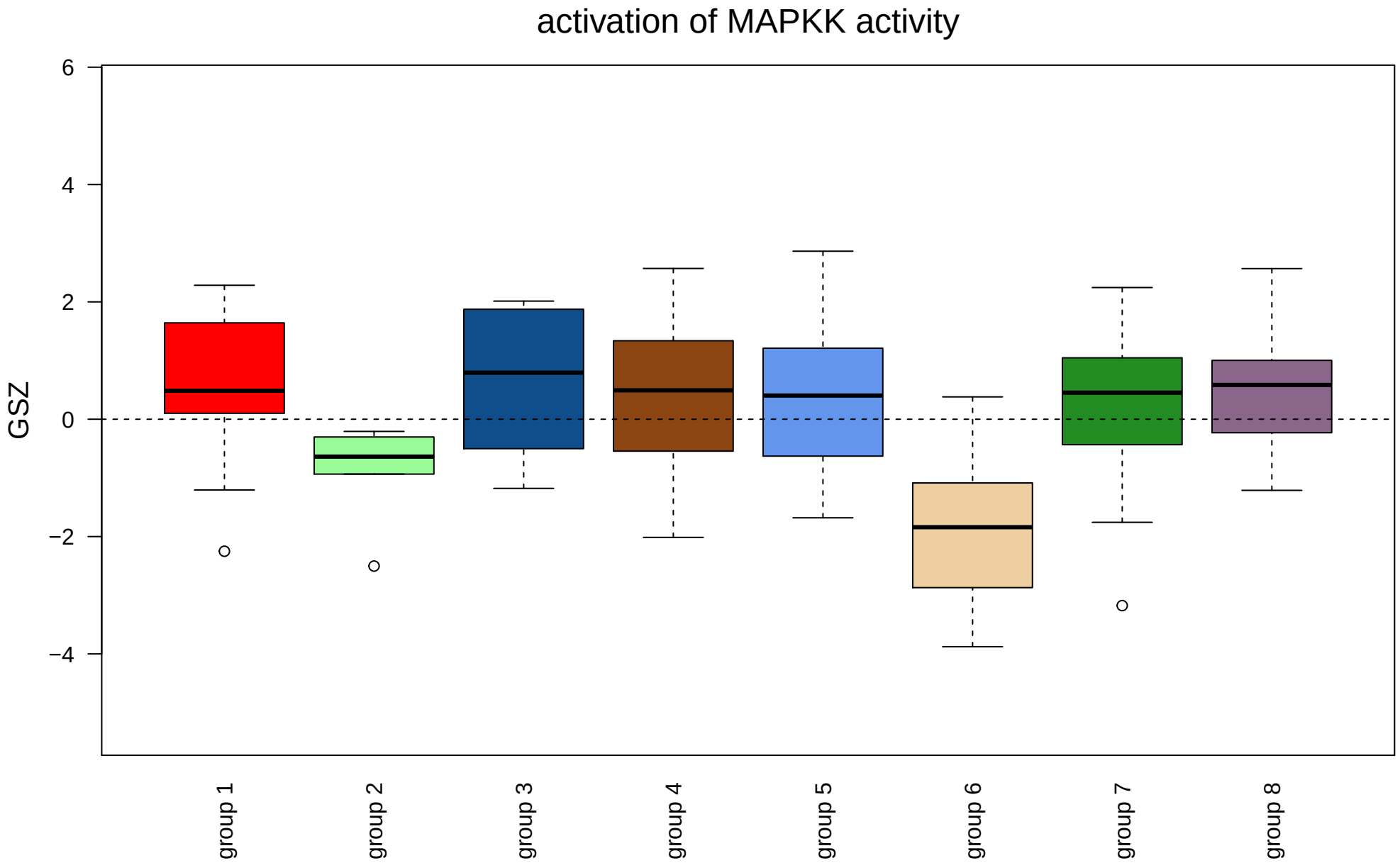

activation of MAPKK activity
GSZ
2.86
0.62
−1.63
−3.88
group 1
group 2
group 3
group 4
group 5
group 6
group 7
group 8
−2.5
Δ e
2.1
BMP4
F2R
KIDINS220
EGFR
EGFR
EGFR
EGFR
EGFR
MAP3K20
MAP3K20
MAP3K20
MAP3K20
MAP3K20
MAP3K6
TAOK2
JAK2
JAK2
BRAF
TAOK1
MAP3K2
MAP3K13
MAP3K1
TGFBR1
MAPK1
MAPK1
MAPK1
PSEN1
ERS2
ERS2
CRKL
EIF2AK2
ADAM9
EGFR
EGFR
KIDINS220
KIDINS220
KIDINS220
MAP3K21
CARTPT
LRRK2
MAP3K14
MAP3K8
EGF
GADD45B
GADD45B
GADD45B
ADORA1
MAP3K9
GRM1


activation of MAPKK activity
GSZ
4
2
0
−2
−4
5
1
features = 126
on
–
off


activation of MAPKK activity
GSZ
6
4
2
0
−2
−4
group 1
group 2
group 3
group 4
group 5
group 6
group 7
group 8