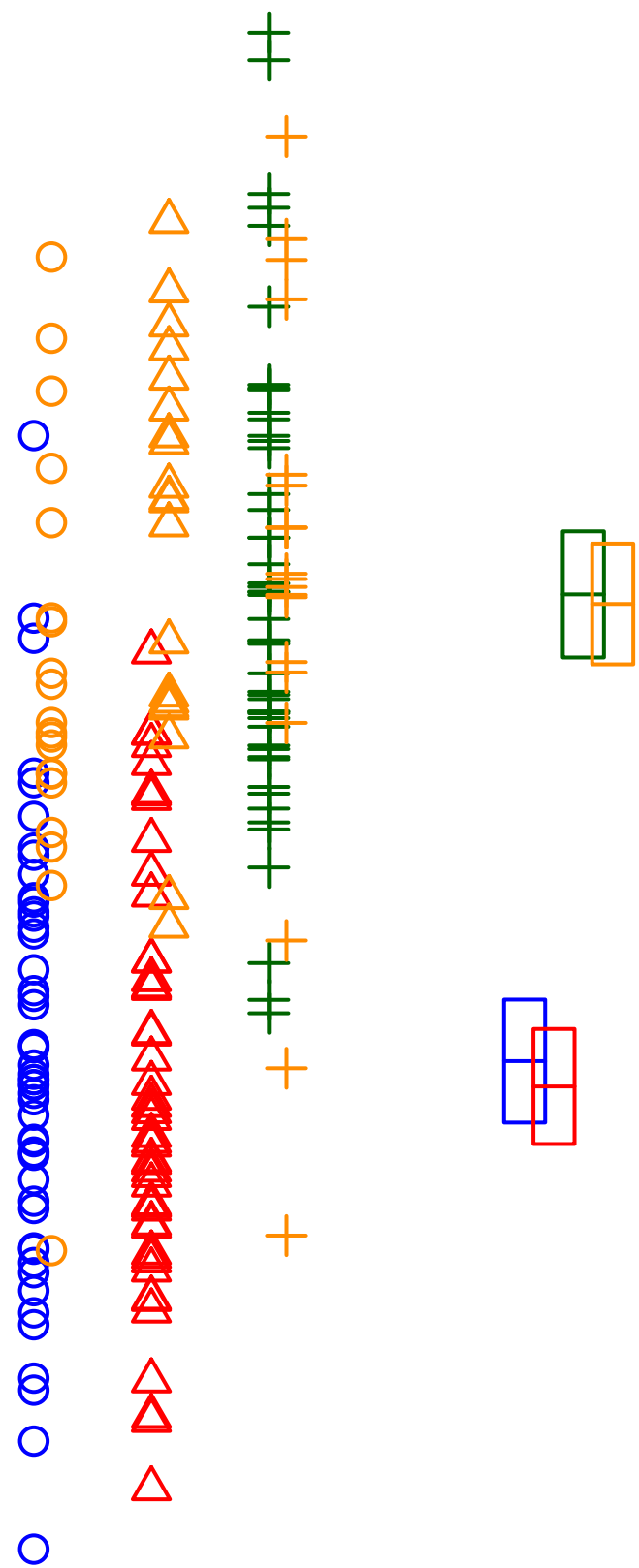
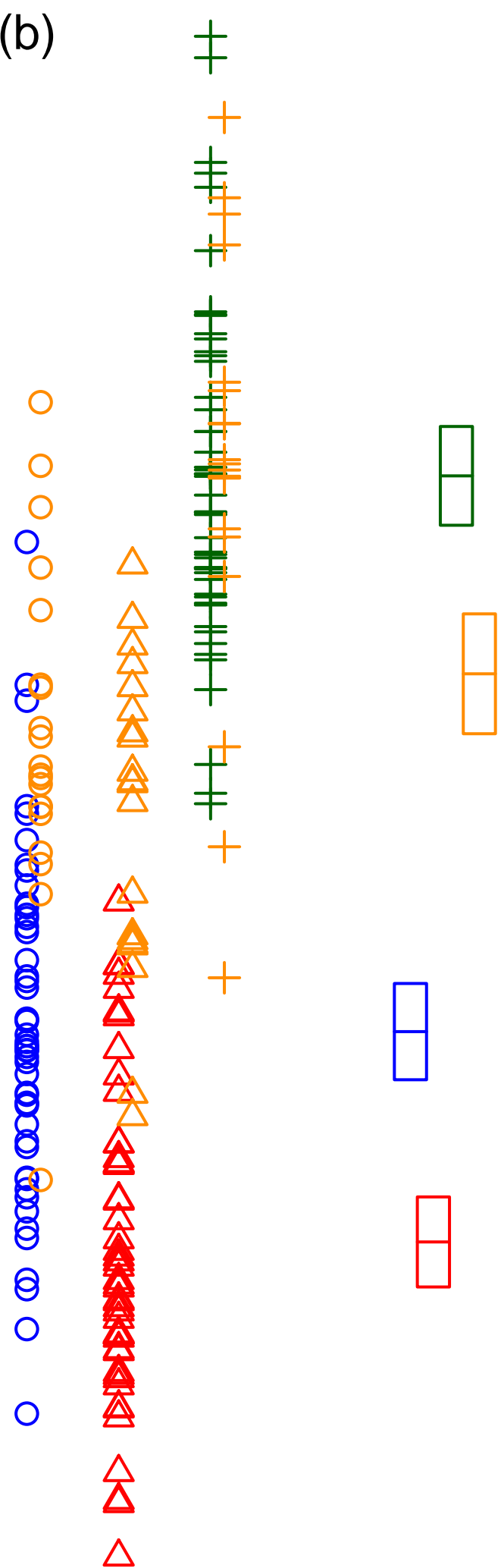


(a)



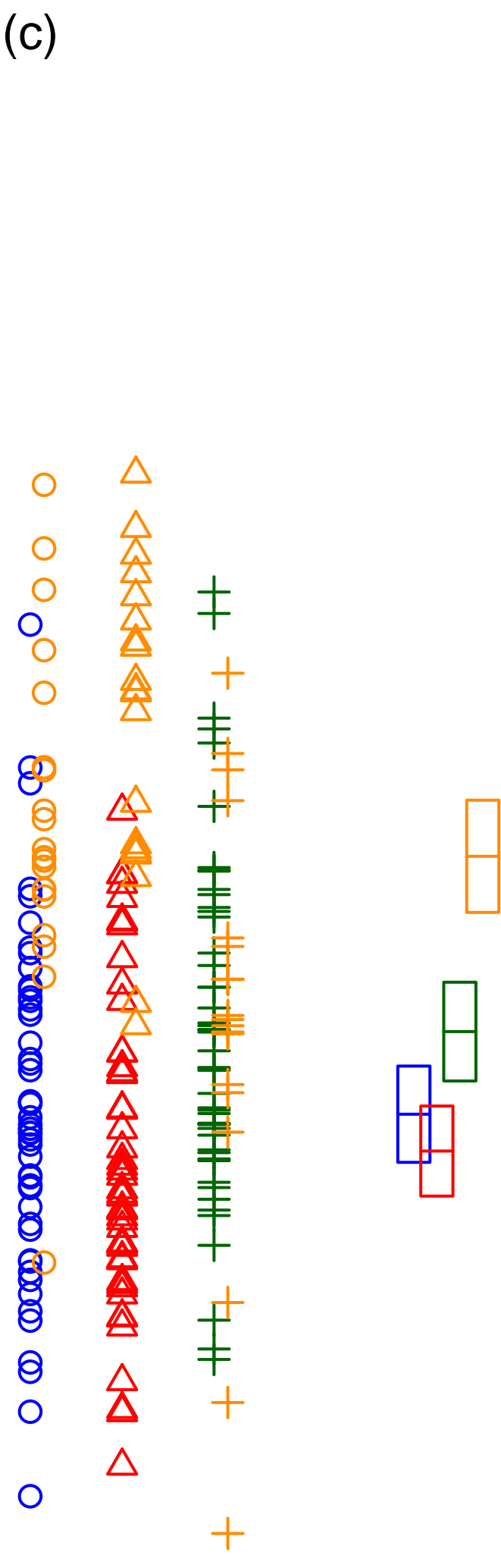
Without batch effects

(b)



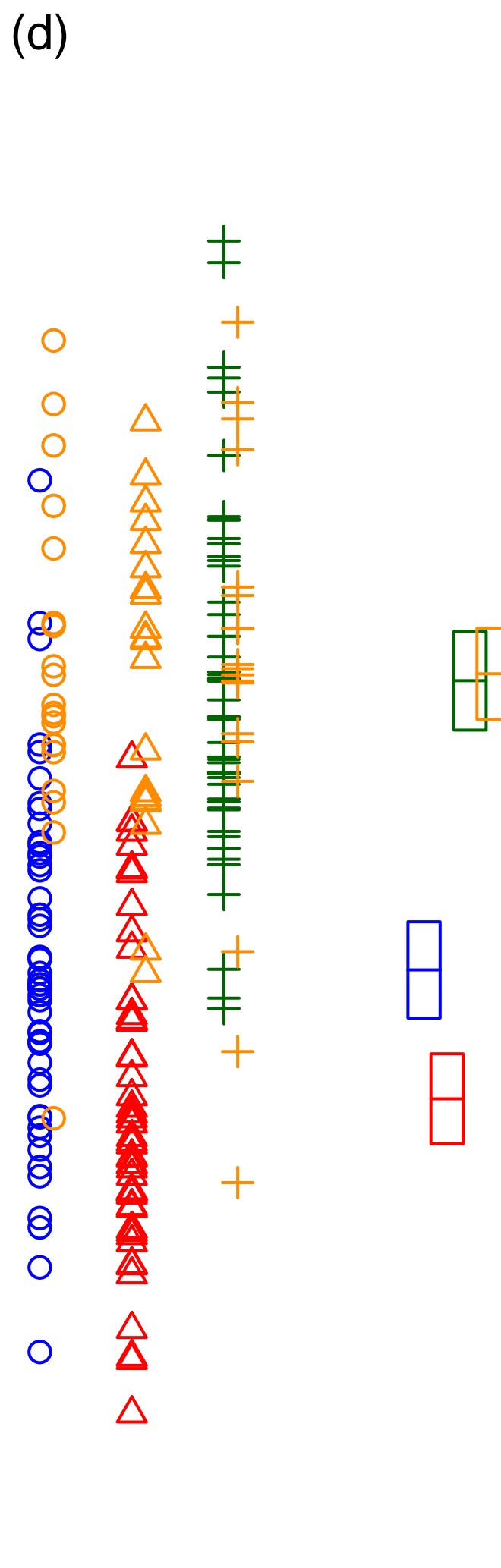
With batch effects added

(c)



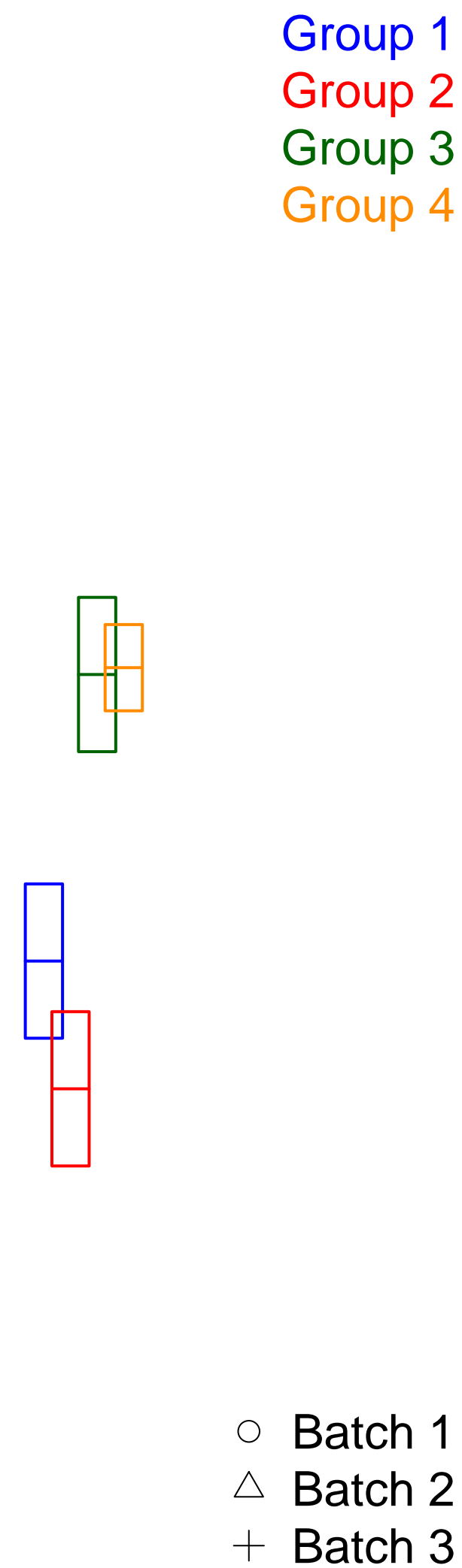
Zero-centered per batch

(d)



ANOVA centered values

(e)



ANOVA estimates

Group 1
Group 2
Group 3
Group 4

○ Batch 1
△ Batch 2
+ Batch 3