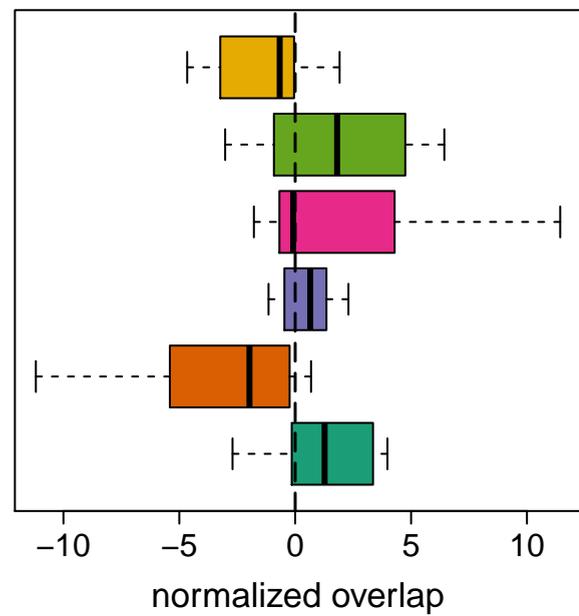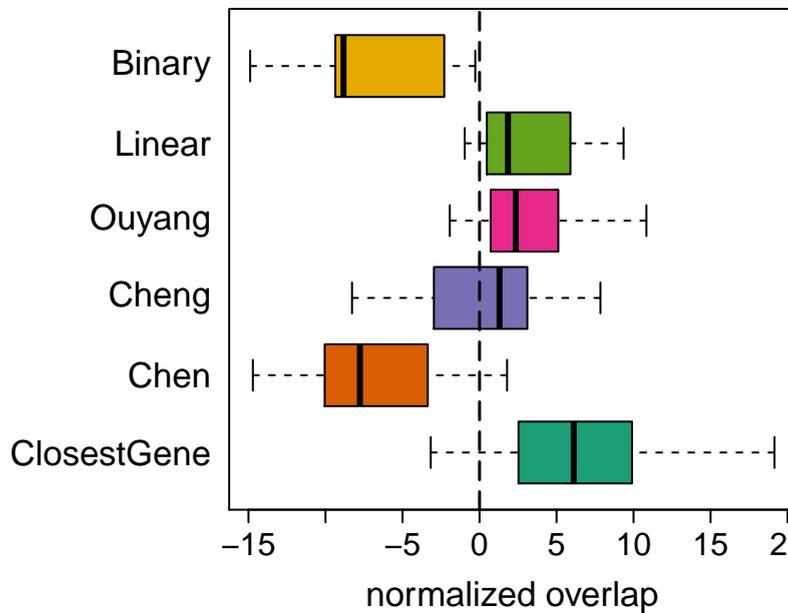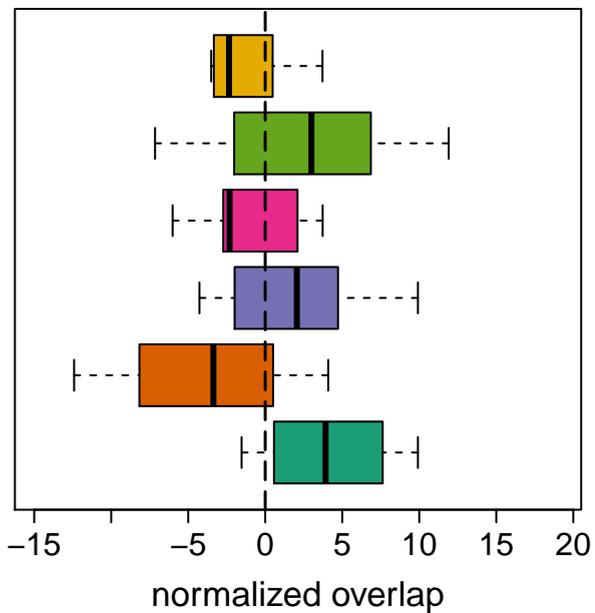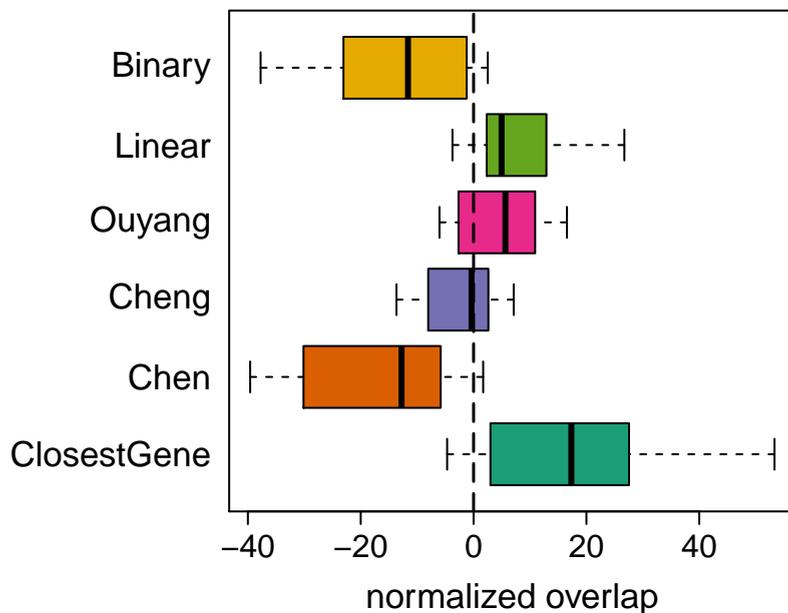**A** Perturbation (HemoChIP)

B Perturbation (ESChIP)

C Perturbation (HemoChIP)

D Perturbation (ESChIP)

E Perturbation (HemoChIP)

F Perturbation (ESChIP)