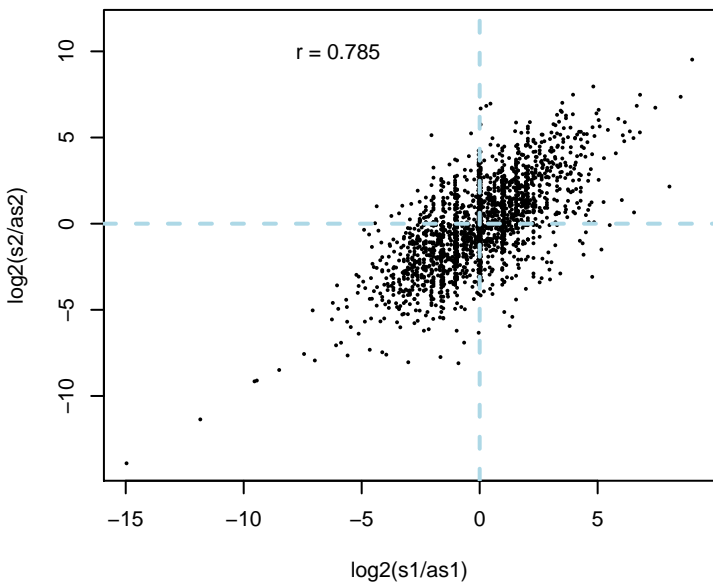
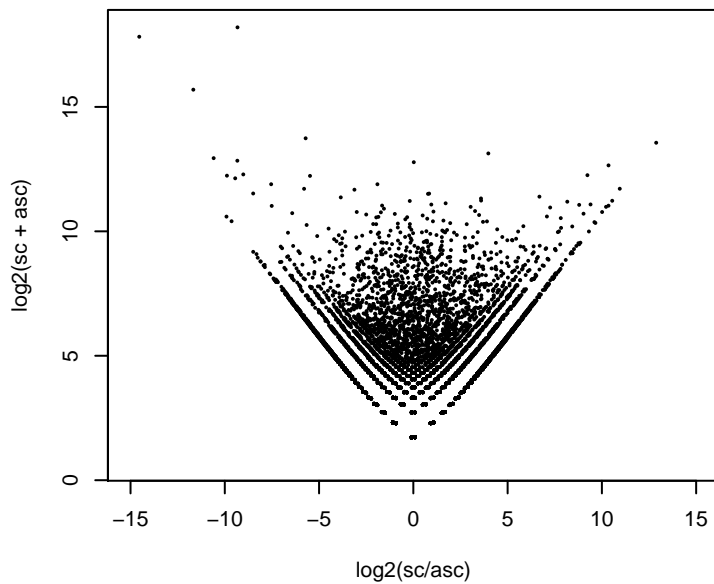


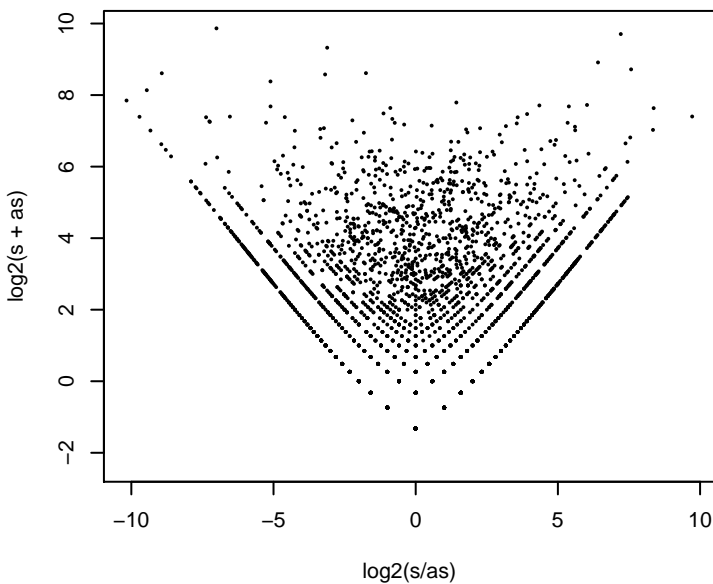
**Directionality at CTCF sites,  
Churchman NETseq (HeLa) R1 vs R2**



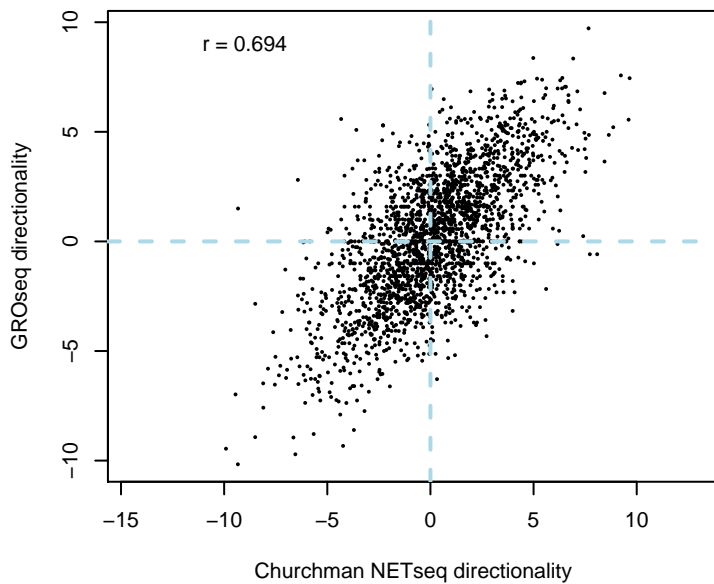
**Churchman NETseq at CTCF sites**



**Directionality at CTCF sites:  
GROseq (HeLa)**



**Directionality at CTCF sites:  
GROseq vs Churchman NETseq**



**Number of CTCF sites biased  
in sense or antisense orientation**

