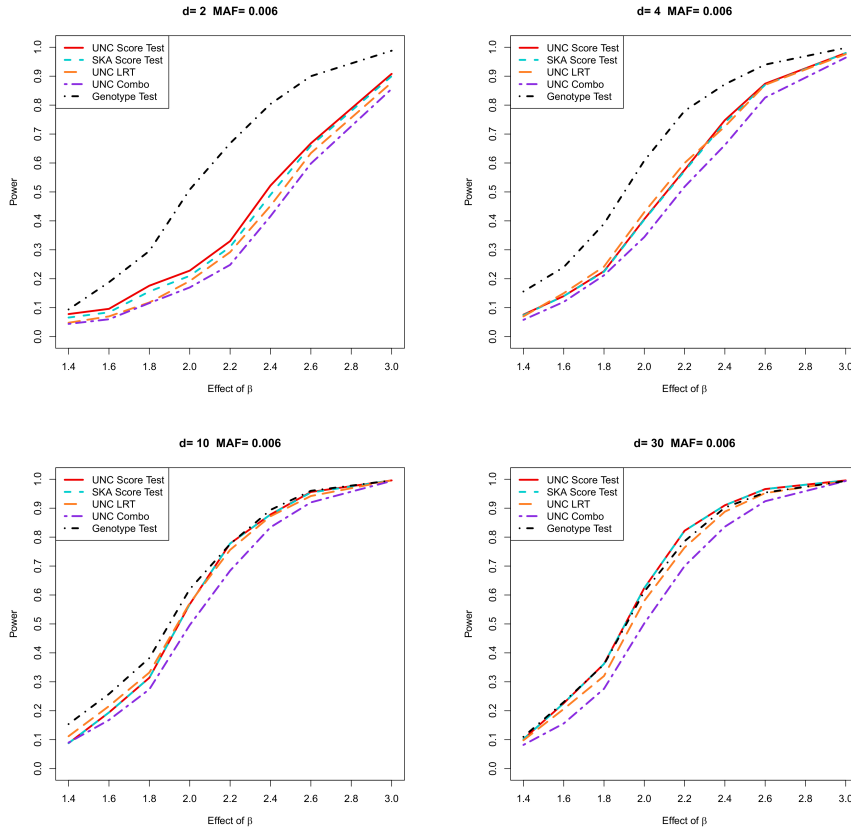
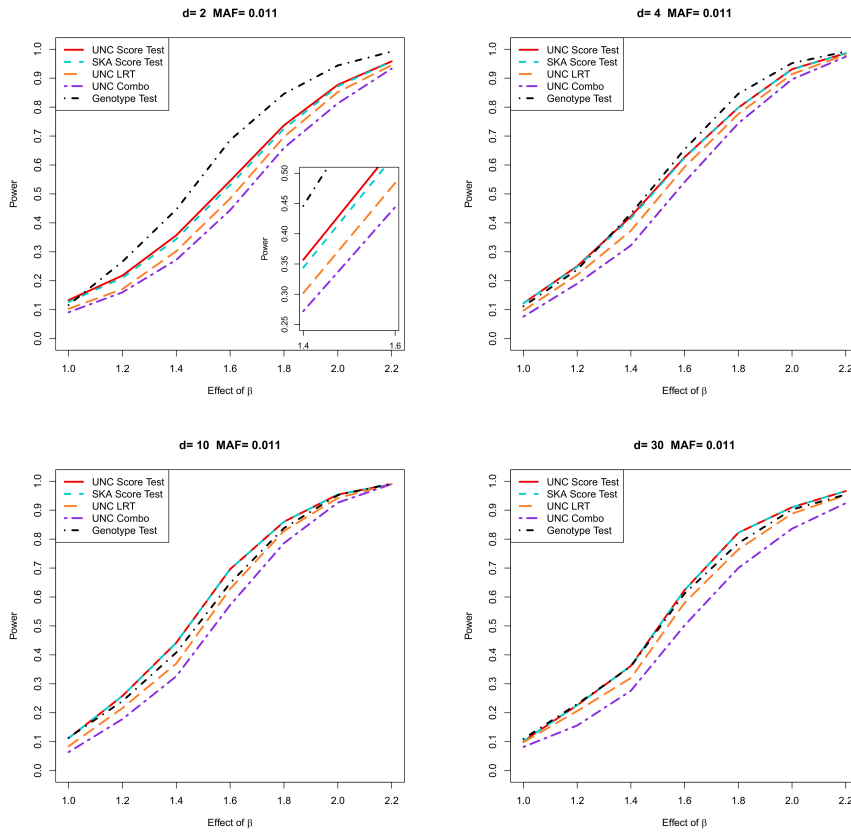


Supplementary Figure 9: Powers of multiple testing for binary trait with  $p_{threshold} = 0.01$ ,  $MAF=0.006$  and  $n = 1000$ .



Supplementary Figure 10: Powers of multiple testing for binary trait with  $p_{threshold} = 0.01$ ,  $MAF=0.011$  and  $n = 1000$ .



Supplementary Figure 11: Powers of multiple testing for binary trait with  $p_{threshold} = 0.01$ ,  $MAF=0.02$  and  $n = 1000$ .

