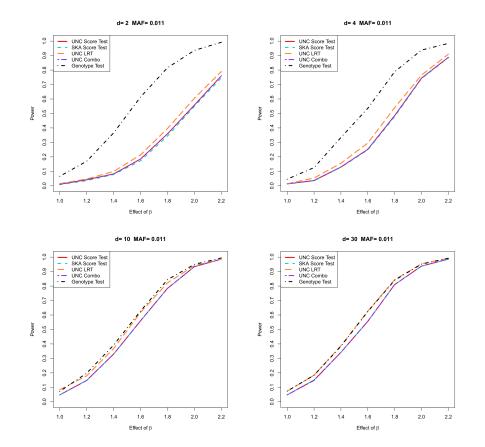
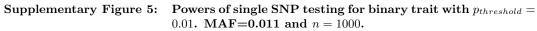
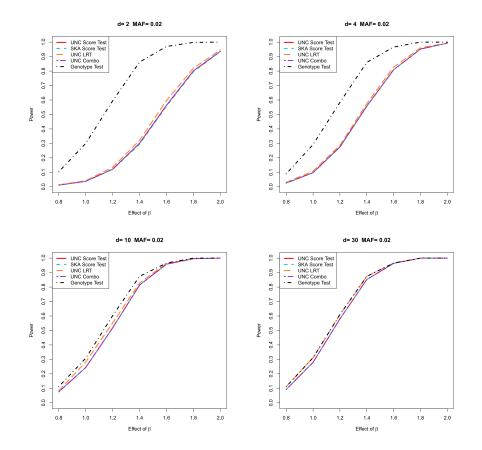


Supplementary Figure 4: Powers of single SNP testing for binary trait with  $p_{threshold} = 0.01$ . MAF=0.006 and n = 1000.







Supplementary Figure 6: Powers of single SNP testing for binary trait with  $p_{threshold} = 0.01$ . MAF=0.02 and n = 1000.