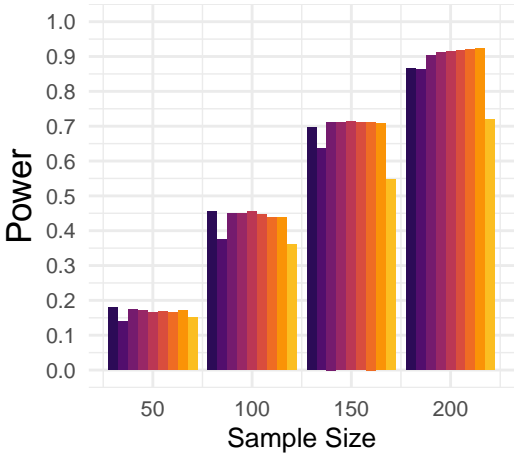


# Simulated Power: Comparison of AMKAT Variations

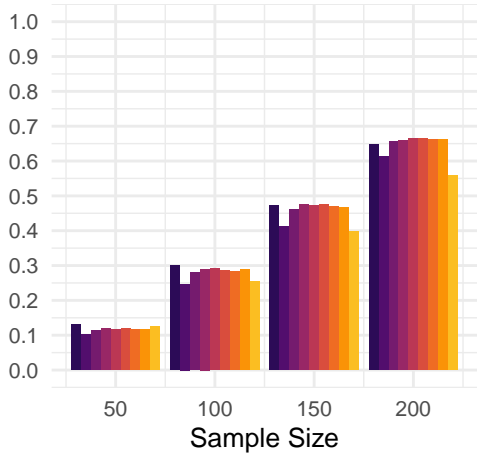
Discrete (SNP) features ( $p = 567$ ), multivariate normal errors, 40% signal strength  
Each value based on 1000 simulated data replicates; AMKAT P-values estimated using 1000 permutations

## 28-variable signal

Independent errors



Correlated errors ( $\pm 0.5$  pairwise)

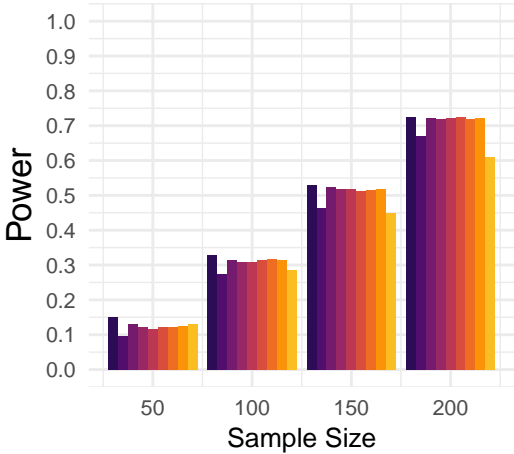


Number of test stats  
used to estimate  
P-value with PhiMr



## 123-variable signal

Independent errors



Correlated errors ( $\pm 0.5$  pairwise)

