# Mean AMKAT P−value on a Fixed Data Set
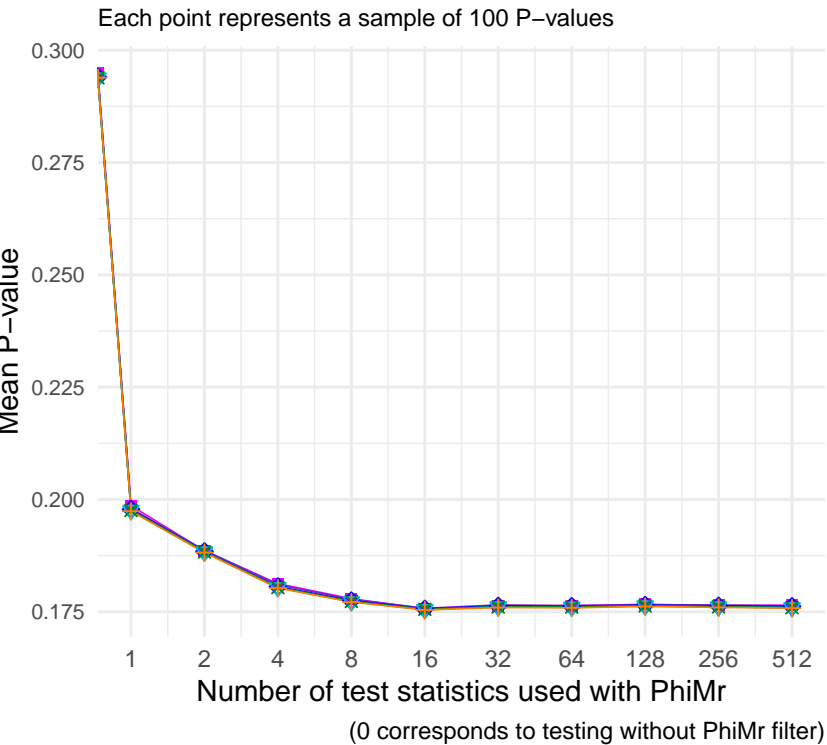
Discrete (SNP) features, 28−variable signal at 100% strength, p = 100, n = 30
Multivariate normal correlated errors (± 0.5 pairwise)

**A** **As a function of the # of test statistics**

Each point represents a sample of 100 P−values

**B** **As a function of the # of permutation statistics**

Each point represents a sample of 100 P−values