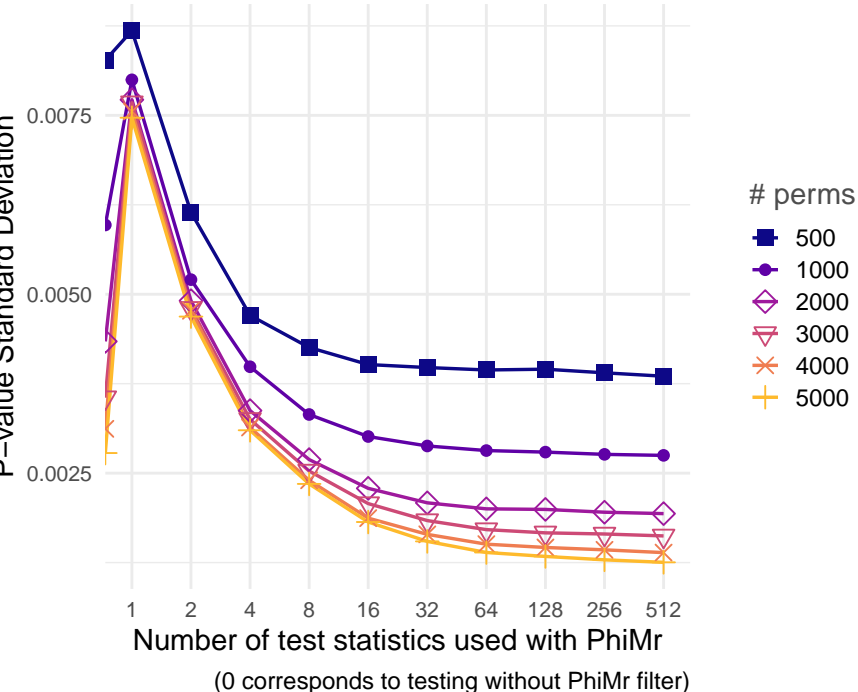


# Standard Deviation of AMKAT P-value on a Fixed Data Set

Simulated SNP set, 28-variable signal set with weakly-correlated components,  $p = 567$ ,  $n = 50$   
Multivariate normal errors with correlated components ( $\pm 0.5$  pairwise)

## As a function of the # of test statistics

Each point represents a sample of 500 P-values



## As a function of the # of permutation statistics

Each point represents a sample of 500 P-values

