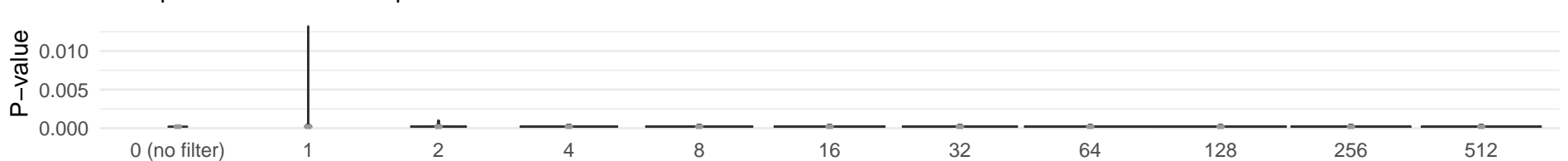# Distribution of AMKAT P−value on a Fixed Data Set

Continuous features, 80−variable signal at 100% strength, p = 100, n = 50
Multivariate normal correlated errors (± 0.5 pairwise)
Each sample contains 500 P−values

500 permutation statistics per P−value

1000 permutation statistics per P−value

3000 permutation statistics per P−value

5000 permutation statistics per P−value

Test Statistics Used for P-value Estimate With PhiMr Filter