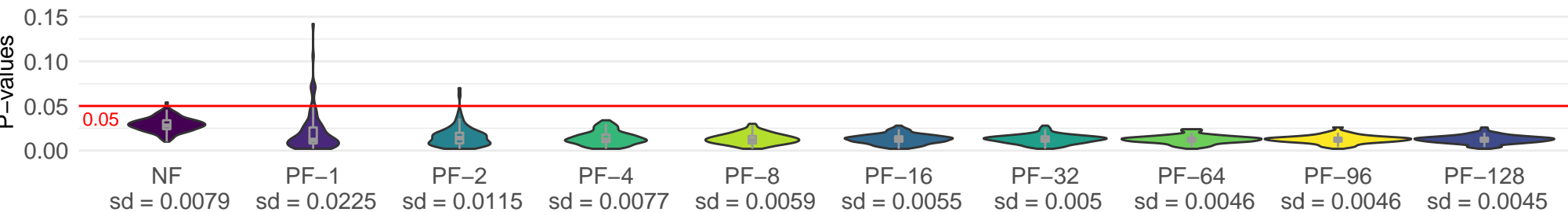


Distribution of AMKAT P-value on a Fixed Data Set

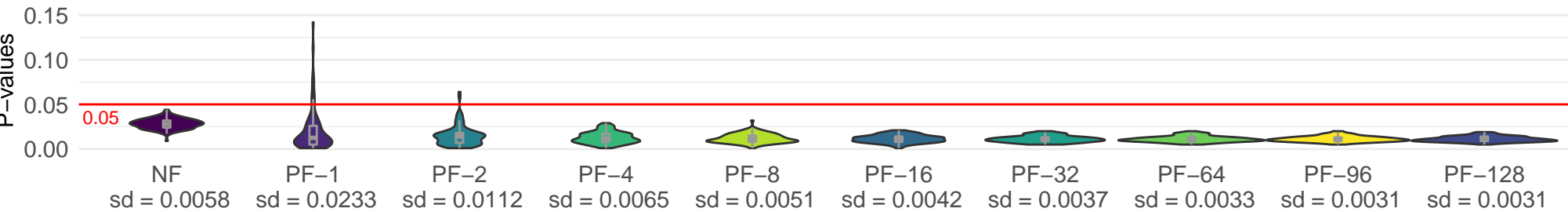
Continuous features, 7-variable signal at 100% strength, $p = 300$, $n = 50$, multivariate normal correlated errors (± 0.5 pairwise)
Each sample contains 100 P-values

NF = No Filter PF-Q = PhiMr Filter with Q Test Statistics

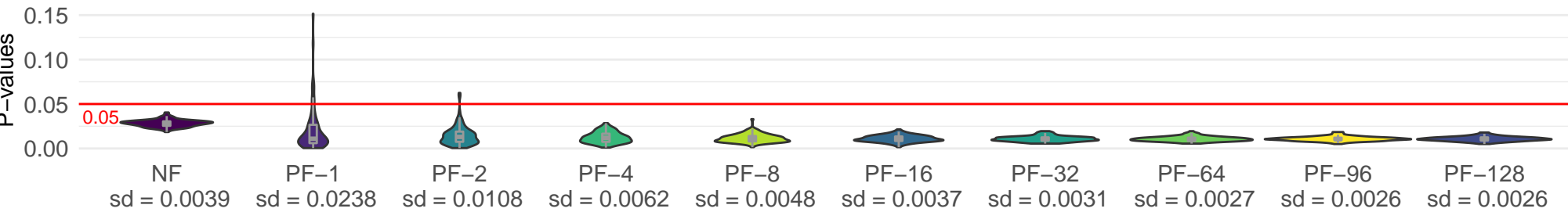
A 500 permutation statistics per P-value



B 1000 permutation statistics per P-value



C 2000 permutation statistics per P-value



D 5000 permutation statistics per P-value

