As a function of the # of test statistics Each point represents a sample of 500 P-values 0.08 Standard Deviation 0.06 # perms 500 1000 2000 0.04 3000 4000 -value 5000 0.02 128 Number of test statistics used with PhiMr (0 corresponds to testing without PhiMr filter)

As a function of the # of permutation statistics Each point represents a sample of 500 P-values

0.08

