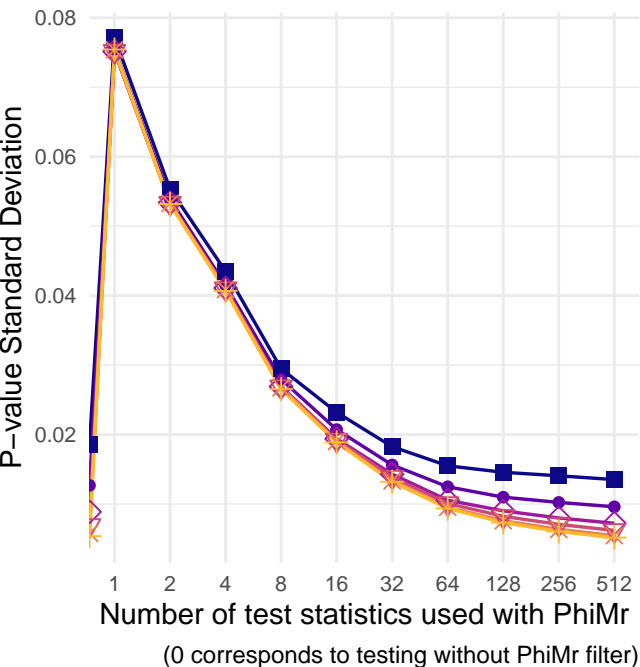**As a function of the # of test statistics**

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

P−value Standard Deviation

Number of test statistics used with PhiMr

(0 corresponds to testing without PhiMr filter)

perms
- 500
- 1000
- 2000
- 3000
- 4000
- 5000

P−value Standard Deviation

Number of permutations

test stats
- 0 (no filter)
- 1
- 2
- 4
- 8
- 16
- 32
- 64
- 128
- 256
- 512