QTLs per gene = 3pleiotropy = 0.2pleiotropy = 0pleiotropy = 0.05 pleiotropy = 0.1pleiotropy = 0.15causal mediators 0.10 0.05 0.00 causal mediators 0.08 - zqtl twas 0.04 → egger 2 0.00 0.12 causal mediators 0.08 0.04 0.00 0.05 0.05

< 5%)

Mis-classification Power (FDR

Mediation PVE