QTLs per gene = 3pleiotropy = 0pleiotropy = 0.05pleiotropy = 0.1pleiotropy = 0.15pleiotropy = 0.20.20 causal mediators 0.15 0.10 Mis-classification Power (FDR < 50%) 0.05 0.00 0.20 causal mediators 0.15 → zqtl 0.10 twas 0.05 --- egger 0.00 N causal mediators 0.15 0.10 0.05 0.00

Mediation PVE