QTLs per gene = 1 pleiotropy = 0.05 pleiotropy = 0.15pleiotropy = 0.2 pleiotropy = 0pleiotropy = 0.1causal mediators 0.4 -0.2 -0.6 causal mediators → zqtl 0.4 twas 0.2 ----- egger 0.6 causal mediators 0.4 0.2 -

< 50%)

Mis-classification Power (FDR

Mediation PVE