



S7 Fig. Performance of Bayesian model selection compared with other methods in distinguishing partial mediation from (a-b) co-local and (c-d) non-mediation. True positive rates (power) and false positive rates were estimated from 5,000 simulations of 24 individuals according to a balanced bi-allelic variant X. Results are shown for data simulated with both (a-c) small genetic effects ($X \rightarrow M: 10\%$, $M \rightarrow Y: 5\%$, $X \rightarrow Y: 5\%$) and (b-d) large genetic effects ($X \rightarrow M: 50\%$, $M \rightarrow Y: 25\%$, $X \rightarrow Y: 25\%$). Diagonal dashed line is included for reference, representing a classifier with no ability to distinguish complete mediation from co-local or non-mediation. See Fig 3 for methods' performance in distinguishing complete mediation from co-local and non-mediation.