



Figure S7: Null hypothesis p-values of the conditional independence test on simulated data from the ground truth model $E \rightarrow A^{(t)} \rightarrow B$ with $A^{(t)} \rightarrow A$ under parameter settings other than **Fig 3**. **(A,B)** 100 **(A)** or 999 **(B)** samples. **(C,D)** Minor allele frequency is 0.05 **(C)** or 0.3 **(D)**. **(E,F)** Regarding B 's variance from $A^{(t)} \rightarrow B$ as unit variance, B 's variance from other sources including measurement errors is 0.2 **(E)** or 20 **(F)**. Unmentioned parameters remain the same as in **Fig 3**.