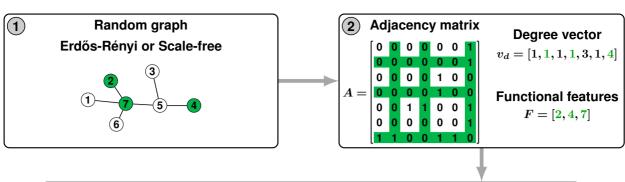
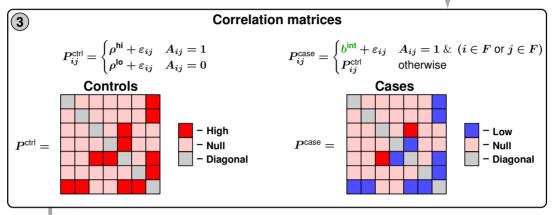
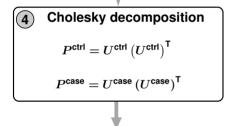
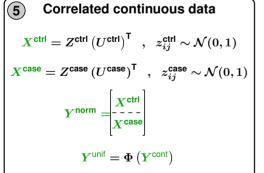
## **GWAS** data: interactions and main effects





**(7**)





 $\begin{aligned} & \textbf{Controls} \\ & p_{\mathsf{ctrl}} = \frac{1 - b^{\mathsf{main}}}{2} & p_{\mathsf{case}} = \frac{1 + b^{\mathsf{main}}}{2} \\ & &$ 

Main effect data

