

**A**

(1) Mediation

QTL  $\longrightarrow$  Expression  $\longrightarrow$  Complex Trait

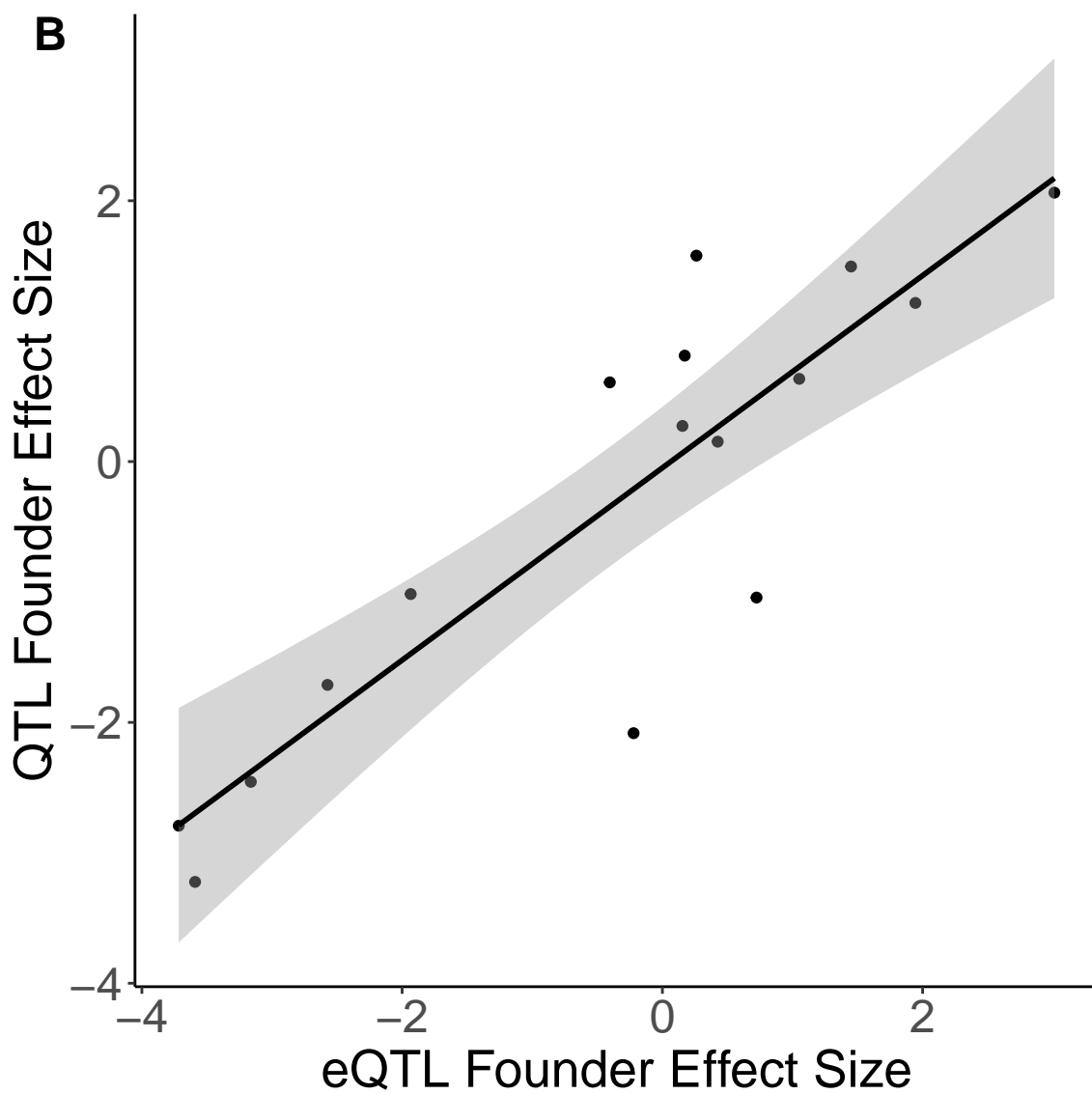
(2) Linkage

LD  $\begin{matrix} \bullet & \text{QTL A} & \longrightarrow & \text{Complex Trait} \\ \bullet & \text{QTL B} & \longrightarrow & \text{Expression} \end{matrix}$

(3) Pleiotropy

(i)  
QTL  $\longrightarrow$  Mediator  $\begin{matrix} \bullet & \text{Expression} \\ \bullet & \text{Complex Trait} \end{matrix}$

(ii)  
QTL  $\longrightarrow$  Complex Trait  $\longrightarrow$  Expression

**B****C**