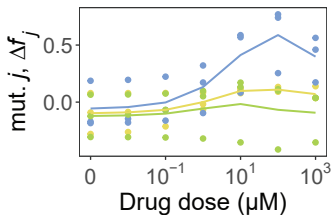


**A**

Environmental modulation of  
**fitness effects**  
of background mutations



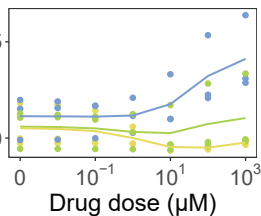
Fitness effect of  
mut.  $j$ ,  $\Delta f_j$

**B**

Environmental modulation of  
**interactions**



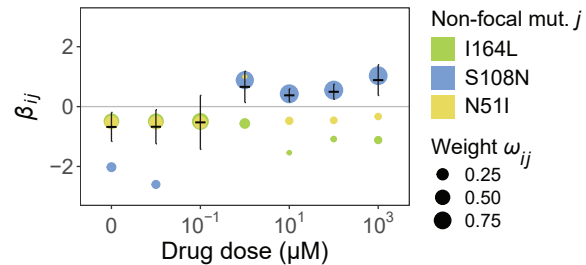
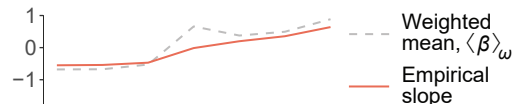
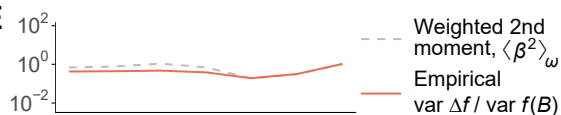
Interaction between  
mut.  $i$  and  $j$ ,  $\epsilon_{ij}$



Non-focal mutation  $j$ :    I164L    S108N    N511

**C**

Environmental modulation of  
**distribution of effective interactions ( $\beta$ )**

**D****E****F**