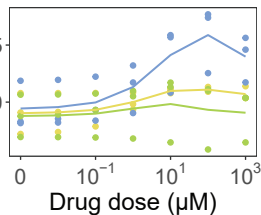


A

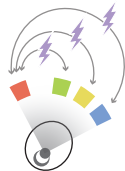
Environmental modulation of
fitness effects
of background mutations



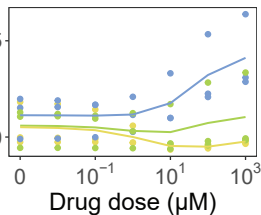
Fitness effect of
mut. j , Δf_j

**B**

Environmental modulation of
interactions



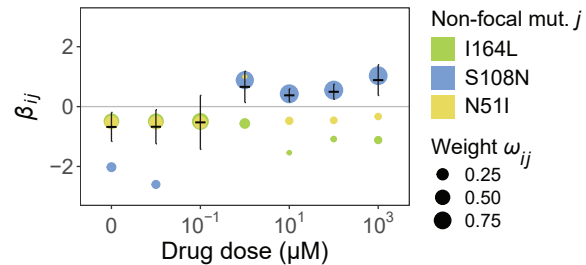
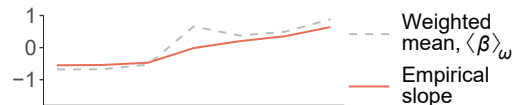
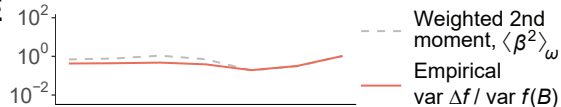
Interaction between
mut. i and j , ϵ_{ij}



Non-focal mutation j : ■ I164L ■ S108N ■ N51I

C

Environmental modulation of
distribution of effective interactions (β)

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