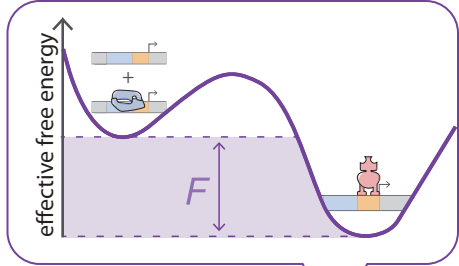


$$F = k_B T \left[-\log p_{\text{active}}(c) - \log \frac{R}{N_{NS}} + \frac{\Delta \varepsilon_{RA}}{k_B T} \right]$$



$$\text{fold-change} = \left(1 + p_{\text{active}}(c) \frac{R}{N_{NS}} e^{-\beta \Delta \varepsilon_{RA}} \right)^{-1} = \left(1 + e^{-\beta F} \right)^{-1}$$