Thanges in allosteric behavior allosteric behavior expression changes in DNA affinity

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

changes in

changes in