$$\text{fold-change} = (1 + \exp(-\Delta F_R - \log \rho))^{-1}$$

$$\Delta F_R = \beta \Delta \epsilon_R - \log(R/N_{NS}) \text{ (equil)}$$

or

$$\Delta F_R = -\log(k_R^+/k_R^-) \text{ (nonequil)}$$