

$$k_{\text{eff}} = \exp \left( 2.1 \left( -0.068 \text{Bound bases in body} - 5.9 \exp \left( -2.9 (1 - 0.045 \text{Total bases bound})^2 \right. \right. \right. \\ \left. \left. \left. - 0.081 (0.12 \text{Bound bases in transition area body} - 0.52 \text{Free bases in toe} - 1)^2 \right) + 1.6 \right) - 10.76 \right)$$

$$k_{\text{eff}} = \exp \left( 2.1 \left( 0.053 \text{ddG} + 3.2 \tanh (0.2 \text{Free bases in toe} - 0.39) - 1.5 \right) - 10.76 \right)$$