

σ^i	$K_{E\sigma^i}/K_{E\sigma^{70}}$ [31]	$K_{E\sigma^i}/K_{E\sigma^{70}}$ our fit
σ^N	1.55	1.59
σ^F	2.85	4.02
σ^H	4.75	7.29
σ^{FecI}	6.65	8.28
σ^E	9.35	8.05
σ^S	16.4	29.59

Table S1. Dissociation constants of different holoenzyme species relative to $K_{E\sigma^{70}}$, from reference [31] (second column) and according to our fit with Equation 1 (third column).