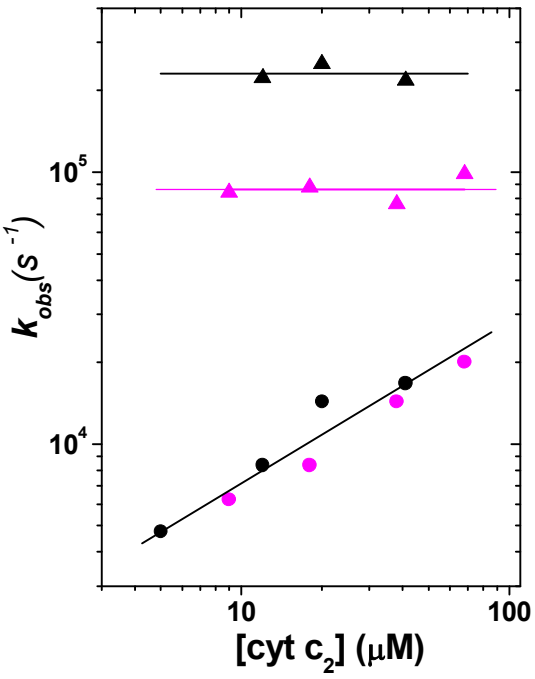
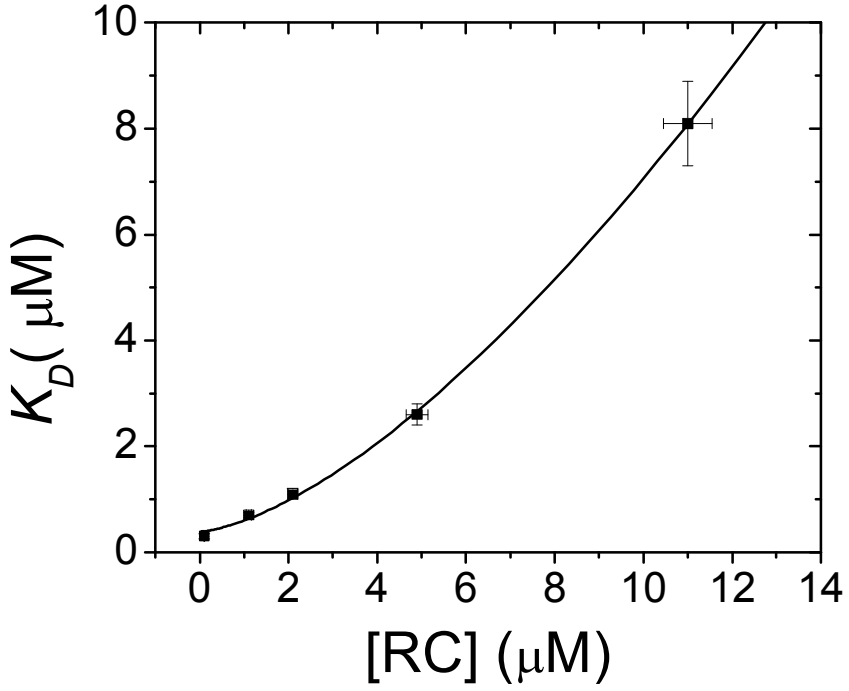
SUPPORTING INFORMATION



Supplementary Figure S1 Biphasic electron transfer rates vs cyt c_2 concentration for NA(M187) (black) and triple mutant (magenta) RCs. The fast rates (triangles) were independent of free cyt concentration and are assigned to the first order rate, k_e . Average values of k_e = 8.6×10^4 $s^{(-1)}$ and 2.3×10^5 $s^{(-1)}$ were found for NA(M187) and triple mutant respectively. The slow rates (circles) are proportional to cyt concentration and represent a second order reaction. The RC concentration was ~3 μM. (10 mM Hepes and 0.04% β-maltoside at pH 7.5)



Supplementary Figure S2. K_D as function of RC concentration. The value of the cyt concentration needed for half saturation K_D increases as a function of the RC concentration. This result varied for different preparations of RCs and is attributed to an aggregation effect. (10 mM Hepes and 0.04% β-maltoside at pH 7.5)