Supplementary Material (ESI) for PCCP

Electronic Supplementary Information

Gated Electron Transfer of Cytochrome c_6 at Biomimetic Interfaces: A Time-Resolved SERR Study

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Table 1. Spectral parameters obtained for WT-Cyt-c_6 from the RR spectra in solution.

	WT oxidised			WT reduced		
mode	Position / cm^{-1}	Intensity	Width	Position / cm^{-1}	Intensity	Width
ν_4	1372	1	15	1360	1	9
ν_3	1505	0.19	10	1493	0.05	10
ν_2	1585	0.40	16	1592	0.20	10
ν_{10}	1637	0.24	20	1623	0.03	8

Table 2. Spectral parameters obtained for M58H-Cyt-c_6 from the RR spectra in solution.

	M58H oxidised			M58H reduced		
mode	Position / cm^{-1}	Intensity	Width	Position / cm^{-1}	Intensity	Width
ν_4	1372	1	15	1358	1	9
ν_3	1505	0.22	12	1493	0.05	10
ν_2	1585	0.47	11	1592	0.20	11
ν_{10}	1637	0.12	10	1621	0.01	9

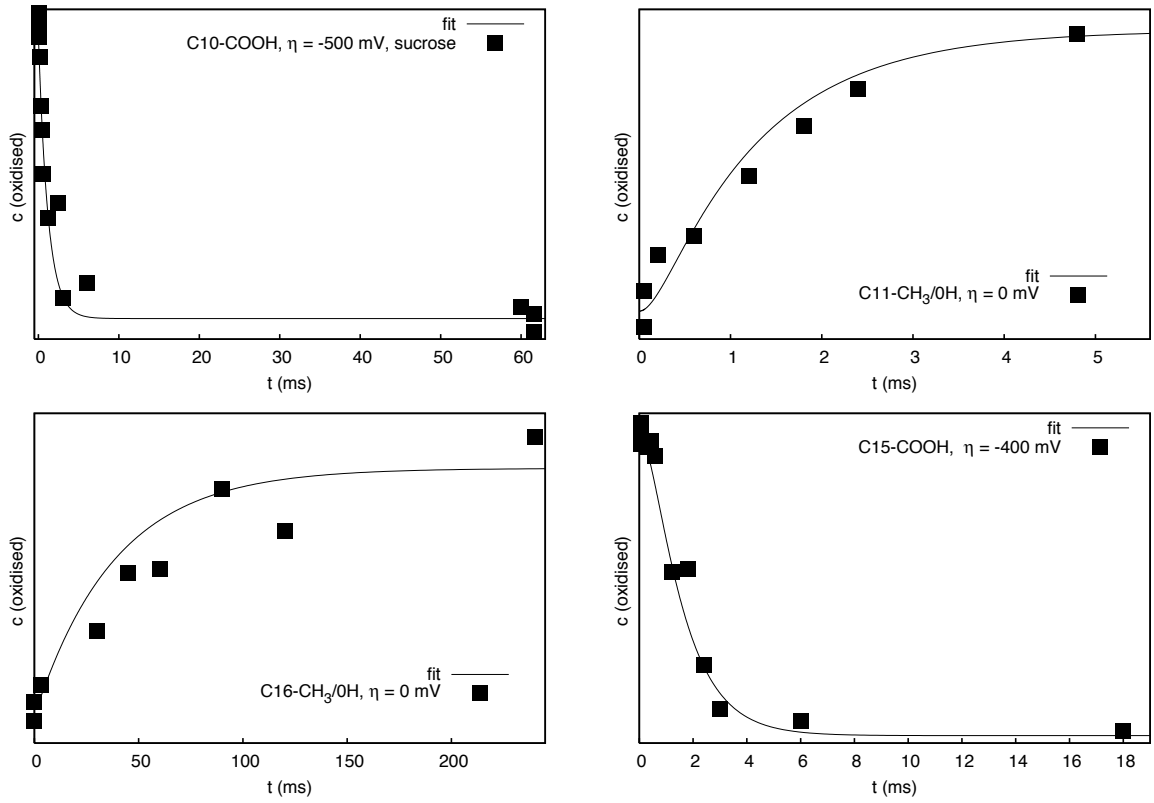

Figure 1. Selection of kinetic simulations for the ET reaction of WT-Cyt-c_6 on SAM-coated electrodes. The experimental data set includes a variety of SAMs and variable overpotentials (η) at a fixed relative viscosity $\rho = 1$ cP. The best description of the experimental data is obtained for $\beta = 1.07$ Å^{-1}, $A = 1.85\ 10^{12}$ s^{-1}, $\lambda = 0.35$ *e*V, $k_1 = 840$ s^{-1} and $k_2 = 0.5$ s^{-1}.