Electrical Supplementary Information

Table S1. Second-order rate constants for the oxidation of ferrocyt c by Ru^{III}complexes.

[Ru ^{III} (L)(bpy)] ⁰	k / 10 ⁵
	$[M^{-1}s^{-1}]$
(S)-bcmpa	5.53(4)
(R)-bcmpa	3.15(2)
(S)-bcmal	2.48(2)
(R)-bcmal	2.49(2)

L = (S)-/(R)-BCMPA; N,N-Bis(carboxymethyl) (S)-/(R)-phenylalanine, (S)-/(R)-BCMAL; N,N-Bis(carboxymethyl) (S)-/(R)-alanine bpy = 2,2'-bipyridine

stopped-flow measurement condition: Concentration ratio: $[cyt c] / [Ru^{III}] > 50$, Solvent: 1 mM phosphate buffer (pH 6.0, I = 0.05 M (KCl))

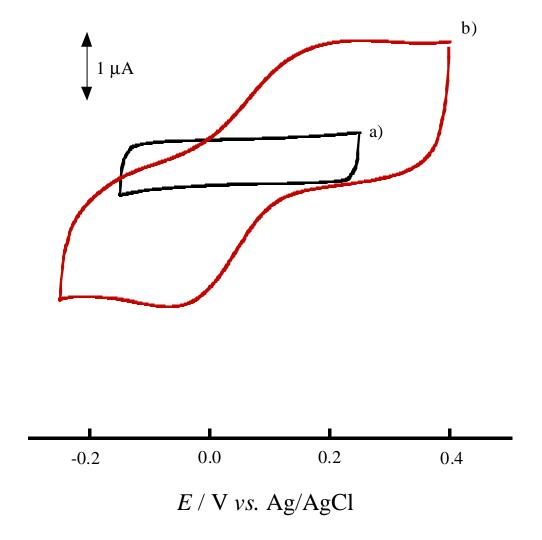


Fig. S1 Cyclic voltammograms in a) buffer solution (black) and b) cyt c solution (red), as measured with 3S-Au