



Fig. S2 UV-VIS absorption spectra of the dicobalt complex at various oxidation states; $[\text{Co}^{\text{II}}_2\text{L}]$ (—, 1.0×10^{-4} M) in CH_3CN and $[\text{Co}^{\text{I}}_2\text{L}]$ (---, 4.8×10^{-5} M) in thf.