Supporting Information

Setting an Upper Limit on the Myoglobin Iron(IV)Hydroxide pKa: Insight into Axial Ligand Tuning in Heme Protein Catalysis

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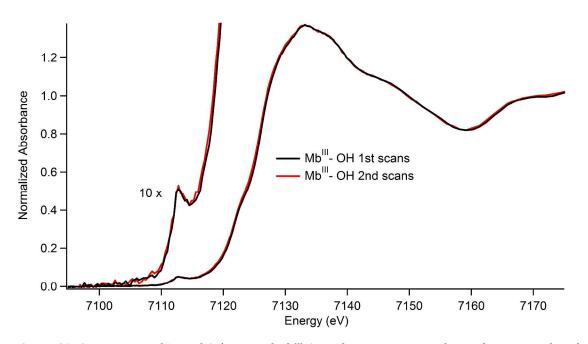


Figure S1: Comparison of 1^{st} and 2^{nd} scans of Mb^{III}-OH. There was no significant change in either the absorption edge energy or the pre-edge intensity. An overlay of the 1^{st} derivative spectra reveals no discernable differences.

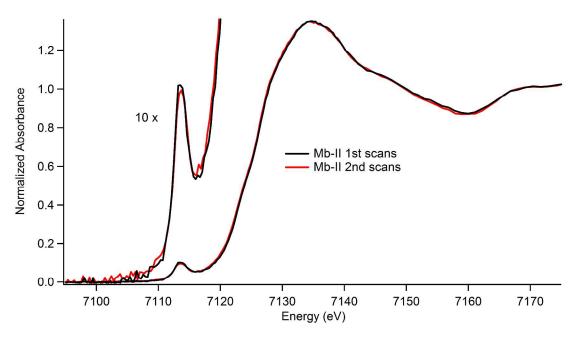


Figure S2: Comparison of 1^{st} and 2^{nd} scans of Mb-II. There was no significant change in either the absorption edge energy or the pre-edge intensity. An overlay of the 1^{st} derivative spectra reveals no discernable differences.