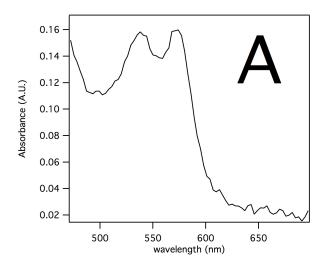
Plasticity of Cytochrome P450 2B4 as Investigated by Hydrogen-Deuterium Exchange Mass Spectrometry and X-Ray Crystallography*,S

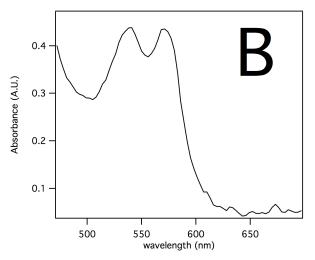
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SUPPLEMENTAL EXPERIMENTAL DATA

Figure S1. UV-visible spectroscopy of ligand-free P450 2B4dH in A) solution and B) crystal. Because of strong absorbance in the Soret region 350-500 nm, only the α and β absorbance bands are shown. Experiments were completed in the buffer used for crystallization of P450 2B4dH containing 50 mM potassium phosphate (pH 7.4 at 4°C), 500 mM NaCl, 1 mM EDTA, 20% (v/v) glycerol and 0.2 mM DTT. The addition of CYMAL-5 did not change the absorbance spectra in panel A significantly (data not shown).





<u>Figure S2.</u> Comparison of the open ligand-free structure and ligand-bound structures of P450 2B4dH. Overlay of open structure (green), 4-CPI-bound structure (purple), and 1-PBI-bound structure (yellow) shows relative differences among plastic regions of the enzyme.

