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Supporting Material

Structural Refinement of a Key Tryptophan Residue in the BLUF Photoreceptor AppA by Ultraviolet Resonance Raman Spectroscopy

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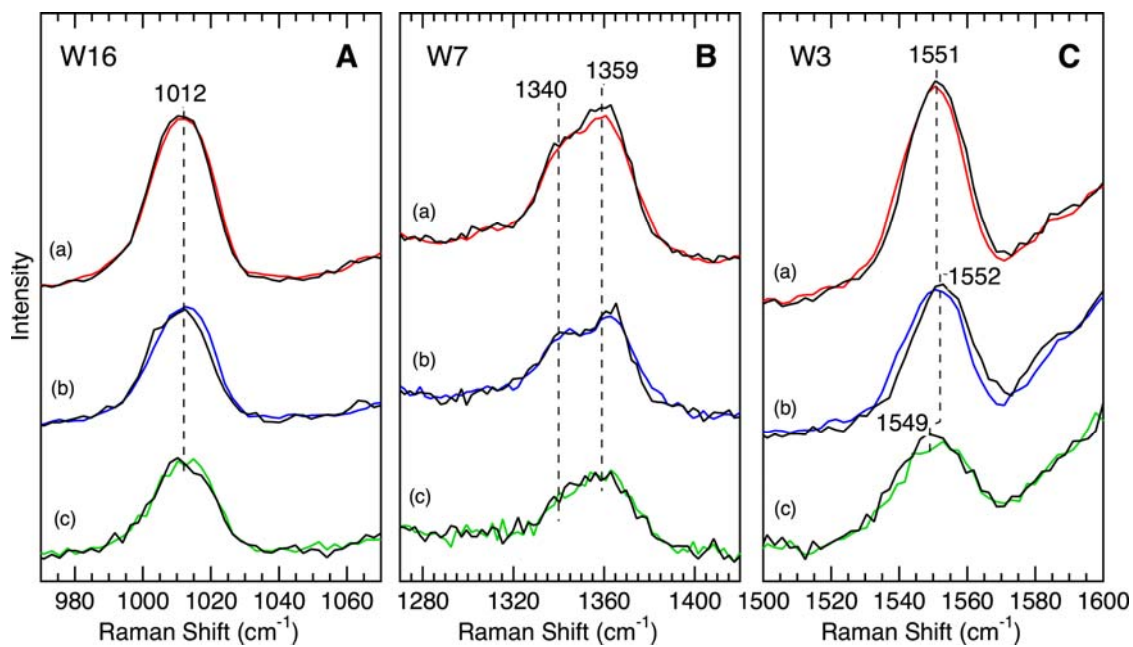


Fig. S1: Ultraviolet resonance Raman spectra of wild-type AppA126 and the W64F and W104A mutants in the (A) W16, (B) W7, and (C) W3 regions. (a) Wild-type AppA126 under the (black) and light (red) states; (b) the W64F mutant under the (black) and light (blue) states; (c) the W104A mutant under the (black) and light (green) states. The spectra were obtained at 224.3 nm excitation.