Supporting information: The Origin of Absorptive Features in the Two-Dimensional Electronic Spectra of Rhodopsin

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Figure 1: The calculated two-dimensional electronic spectra for the two-state ($S_0$ and $S_1$) two-mode (the ethylene stretch mode and the localized torsional mode) model Hamiltonian of the retinal chromophore in the impulsive limit. The other 26 Franck-Condon active vibrational modes of the retinal chromophore in Rh which were observed in the measured resonance Raman were added as a weakly coupled quantum bath to the total Hamiltonian. For more detail about the model Hamiltonian and the computational details see Ref. 1.

References