Supporting Information

Oliver et al. 10.1073/pnas.1409207111

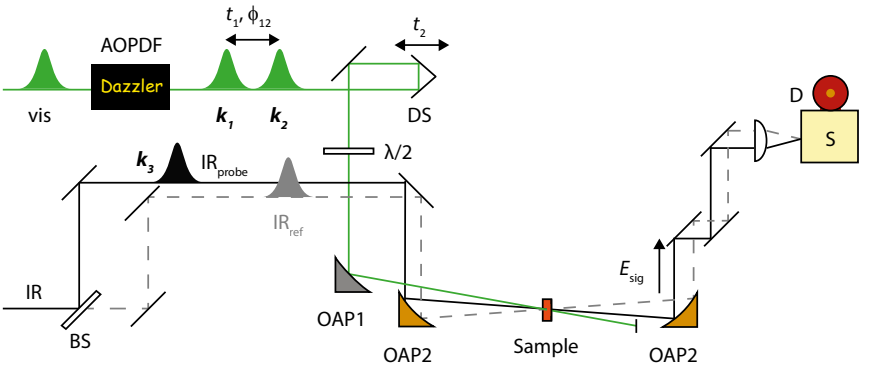

Fig. S1. Optical apparatus. The schematic highlights the key parts of the experimental apparatus. Legend: AOPDF, acousto-optic programmable dispersive filter; BS, 50:50 ZnSe beam splitter; D, two 64-element MCT arrays; DS, delay stage; OAP1, silver 90° off-axis parabolic mirror (f = 25 cm); OAP2, gold 90° off-axis parabolic mirror (f = 15 cm); S, spectrometer.

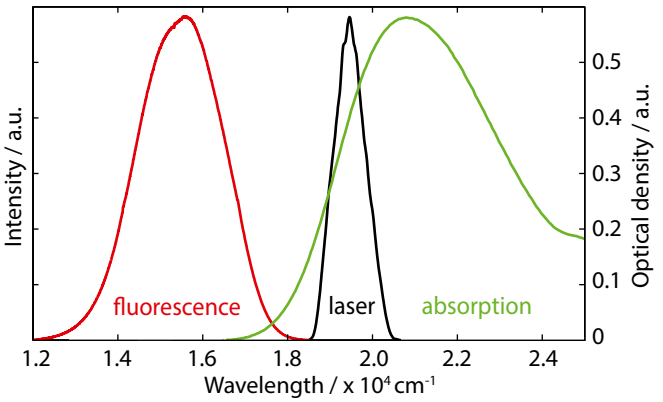

Fig. S2. Room temperature absorption, fluorescence, and laser spectra. The absorption spectrum of the DCM/DMSO-d_6 solution (250-μm path length flow cell) used in experiments. The laser spectrum is centered at 515 nm with 30 nm of bandwidth (FWHM). The fluorescence and laser spectra are normalized to the peak the absorption intensity.

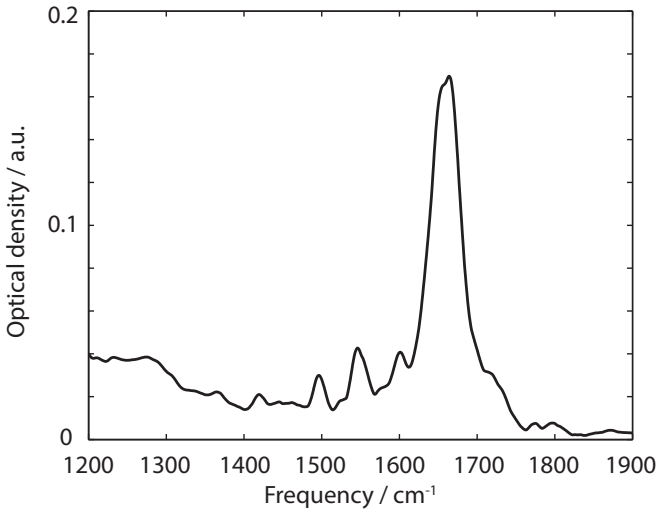

Fig. S3. Fourier transform IR spectrum of DCM (DMSO-d_6 subtracted) of the sample used in 2D-EV experiments (250-μm path length flow cell).

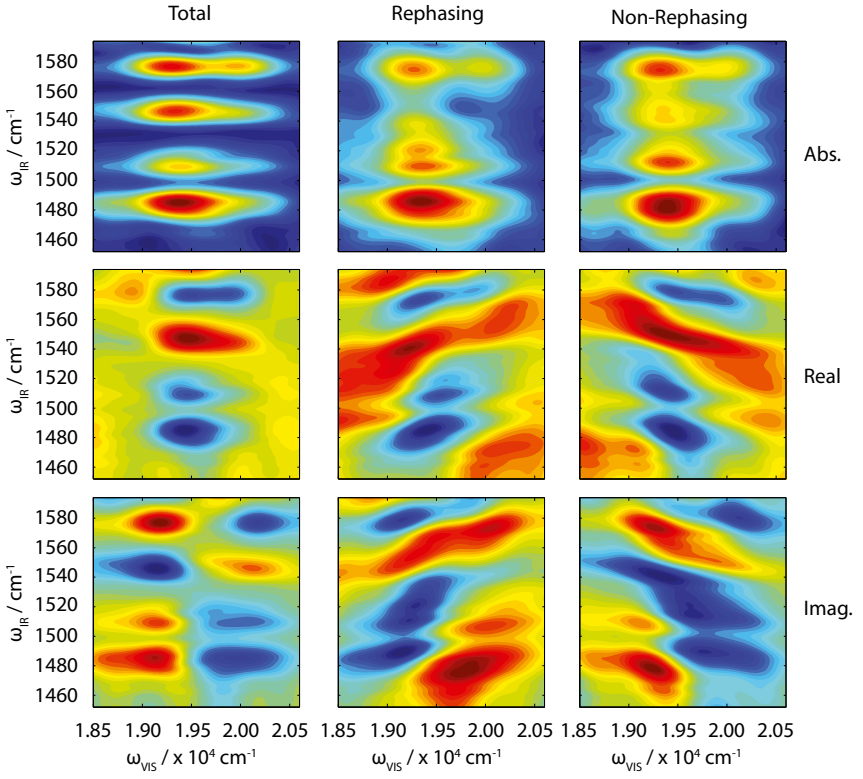

Fig. S4. Total, rephasing, and nonrephasing spectra of 2D-EV at t_2 = 4.5 ps. The rows show the absolute, real, and imaginary values of the spectra.