Supporting Information: Distance-independent photoinduced energy transfer over 1.0 to 2.6 nm in ruthenium trisbipyridine-fullerene assemblies.

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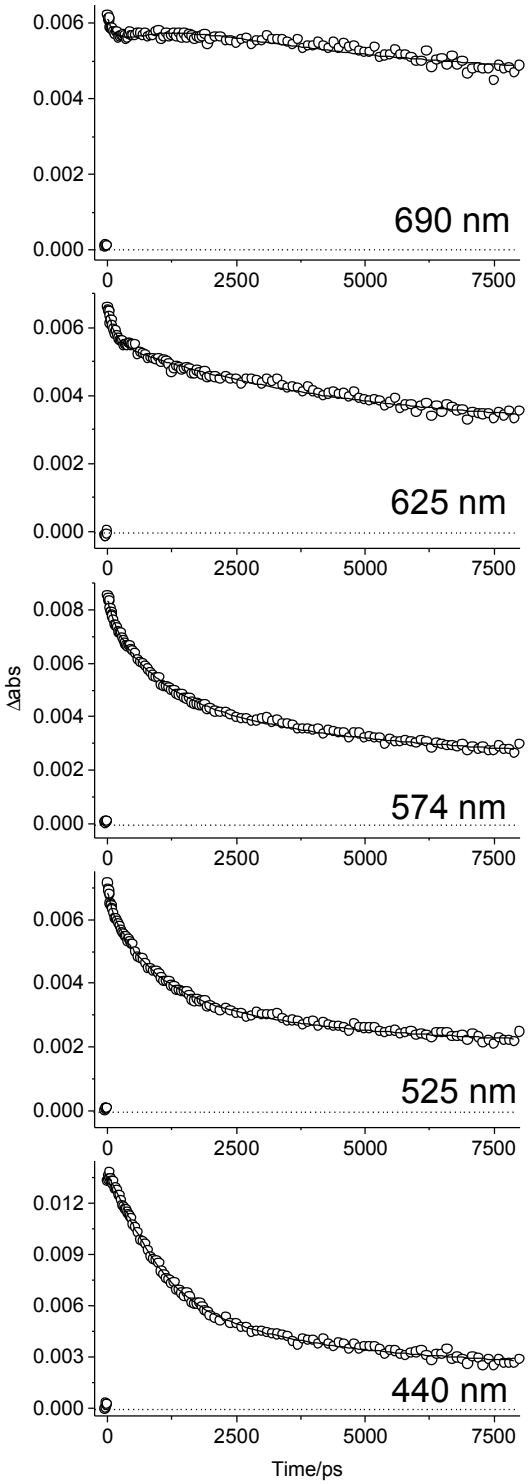

Figure S1. Transient absorption traces for D1 probed at a few selected wavelengths. Excitation at 485 nm

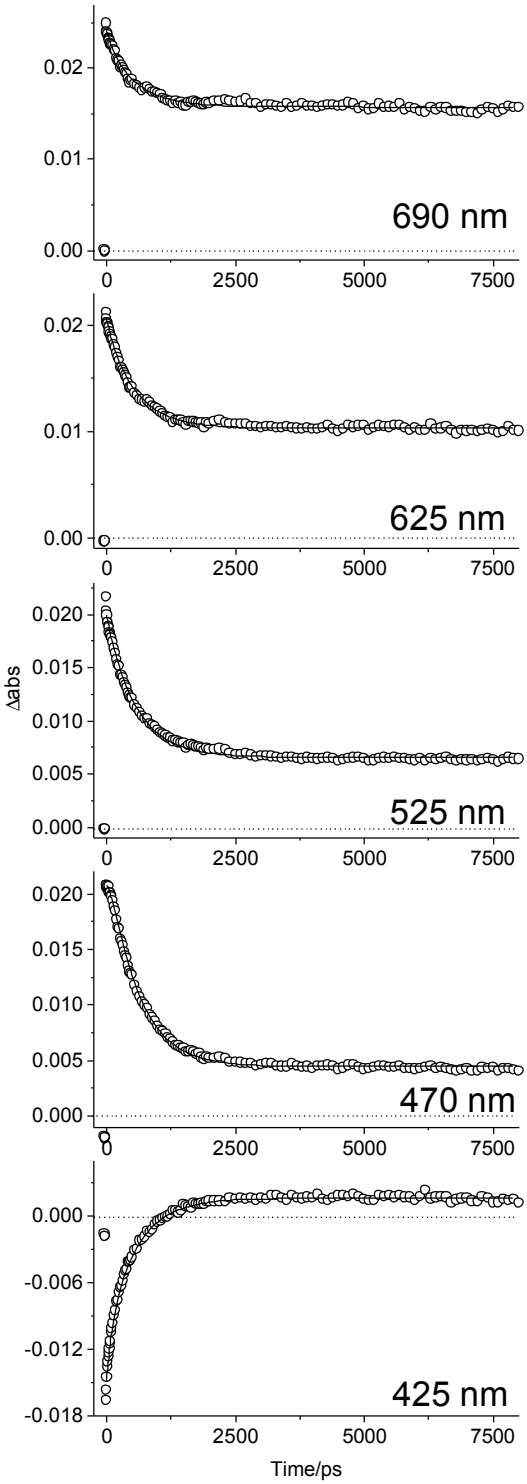

Figure S2. Transient absorption traces for **D2** probed at a few selected wavelengths. Excitation at 485 nm

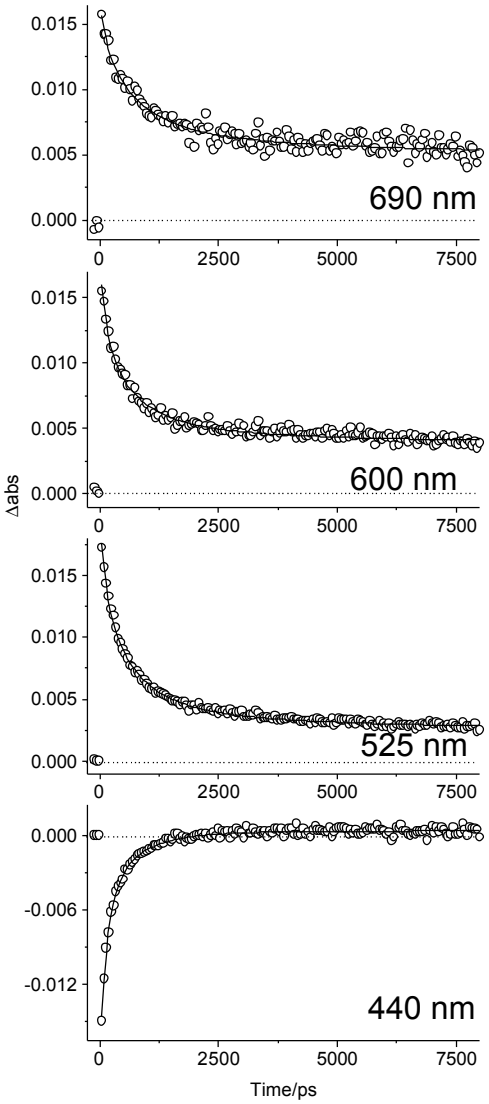

Figure S3. Transient absorption traces for **D3** probed at a few selected wavelengths. Excitation at 485 nm

Table S1 : Time constants and relative amplitudes from transient absortpion experiments for **D_1-D_3**.

Compounds	τ_1/ns [λ/nm(rel..amp.)]
D_1	0.18 [440(-0.01), 525(0.12), 574(0.12), 625(0.29), 690(0.22)]
D_2	0.12 [425(-0.24), 470(-0.15), 525(0.01), 625(0.09), 690(0.14]
D_3	0.17 [440(-0.70), 525(0.38), 600(0.43), 690(0.25]
Compounds	τ_2/ns [λ/nm(rel..amp.)]
D_1	0.89 [[440(0.68), 525(0.52), 574(0.43), 625(0.04), 690(-0.32)]
D_2	0.57 [425(-0.76), 470(0.85), 525(0.99), 625(0.91), 690(0.86]
D_3	0.72 [440(-0.30), 525(0.48), 600(0.44), 690(0.52]
Compounds	τ_3/ns [λ/nm(rel..amp.)]
D_1	4.0 [[440(0.31), 525(0.36), 574(0.45), 625(0.67), 690(0.46)]
D_2	-
D_3	3.0 [440(0.00), 525(0.13), 600(0.13), 690(0.22]

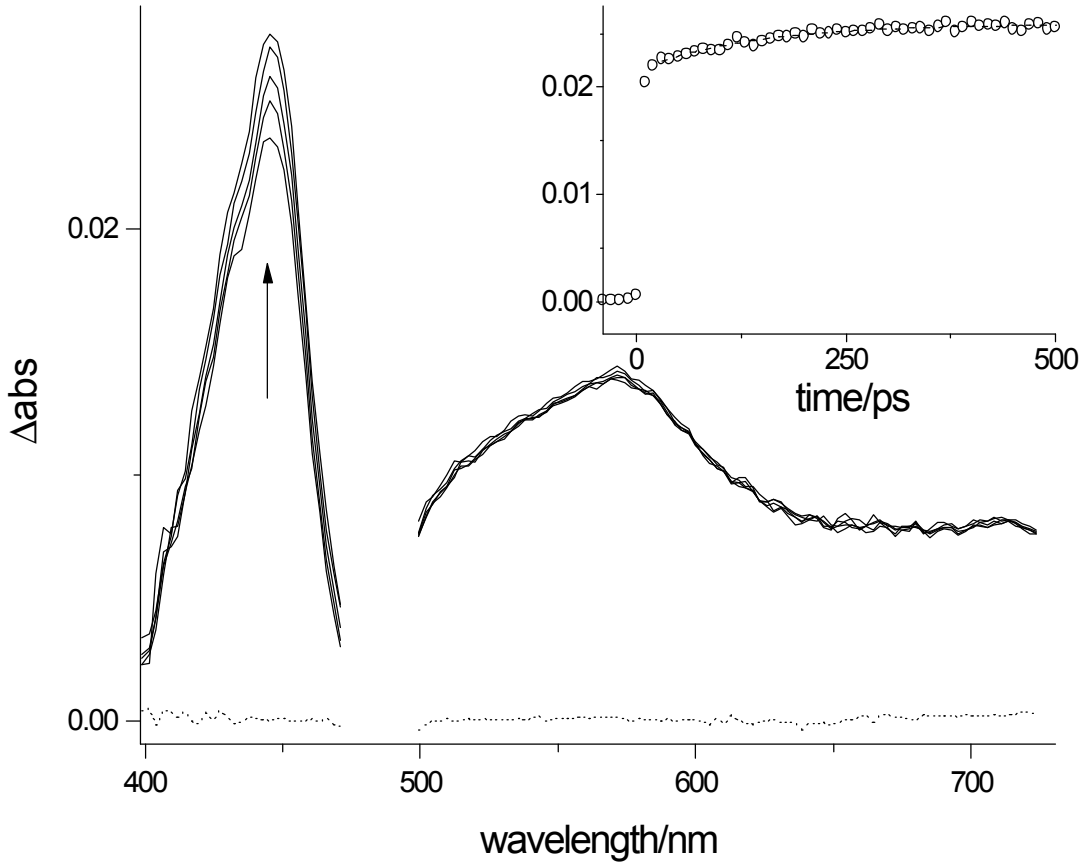

Figure S4: Transient absorption spectra of **R1** in acetonitrile excited at 480 nm. The inset shows the transient kinetics probed at 440 nm fitted to a single exponential with a lifetime of 130 ps. The dynamics also observed in **R2** and **R3** are similar to the dynamics observed in the dyads **D1**-**D3** but are less pronounced in the red part of the spectra for the reference compounds.

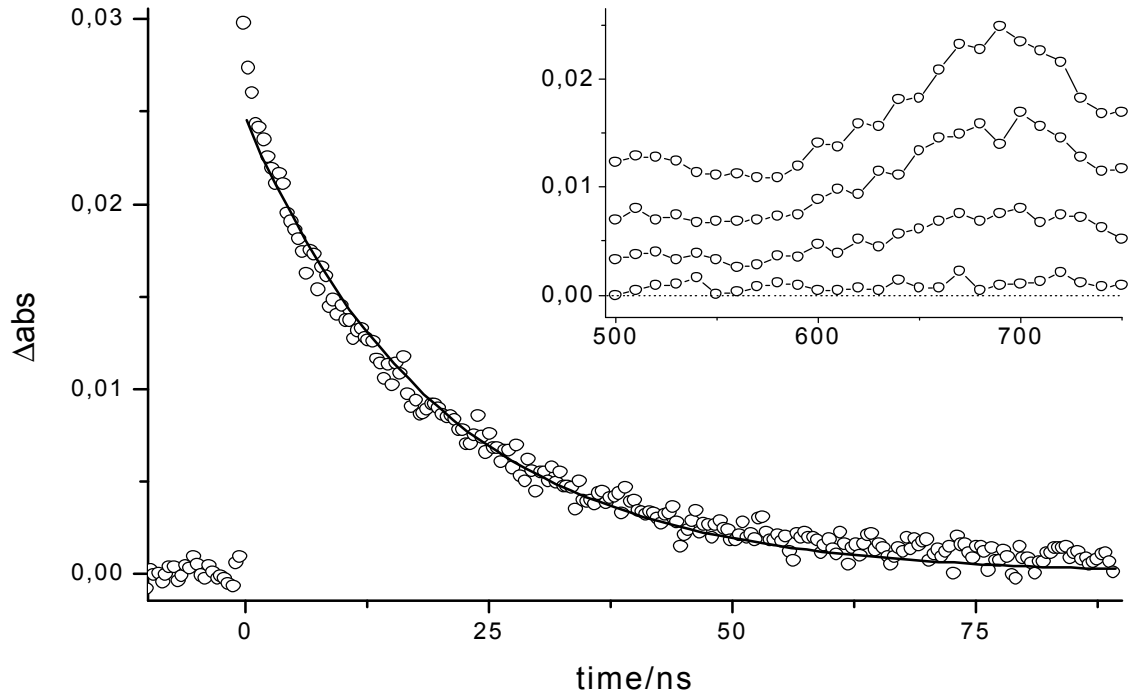

Figure S5: Transient absorption trace of de-aerated **D3** in acetonitrile probed at 690 nm close to the ^{3}C60-triplet maximum. The inset shows the transient spectra recorded in air equilibrated acetonitrile after 100 ns, 200 ns, 400 ns, and 1 μs. Excitation wavelength 460 nm (298 K).