Supplementary Material

Investigations of the energy transfer in the phycobilisome antenna of *Arthrospira plantesis* using time-resolved spectroscopy

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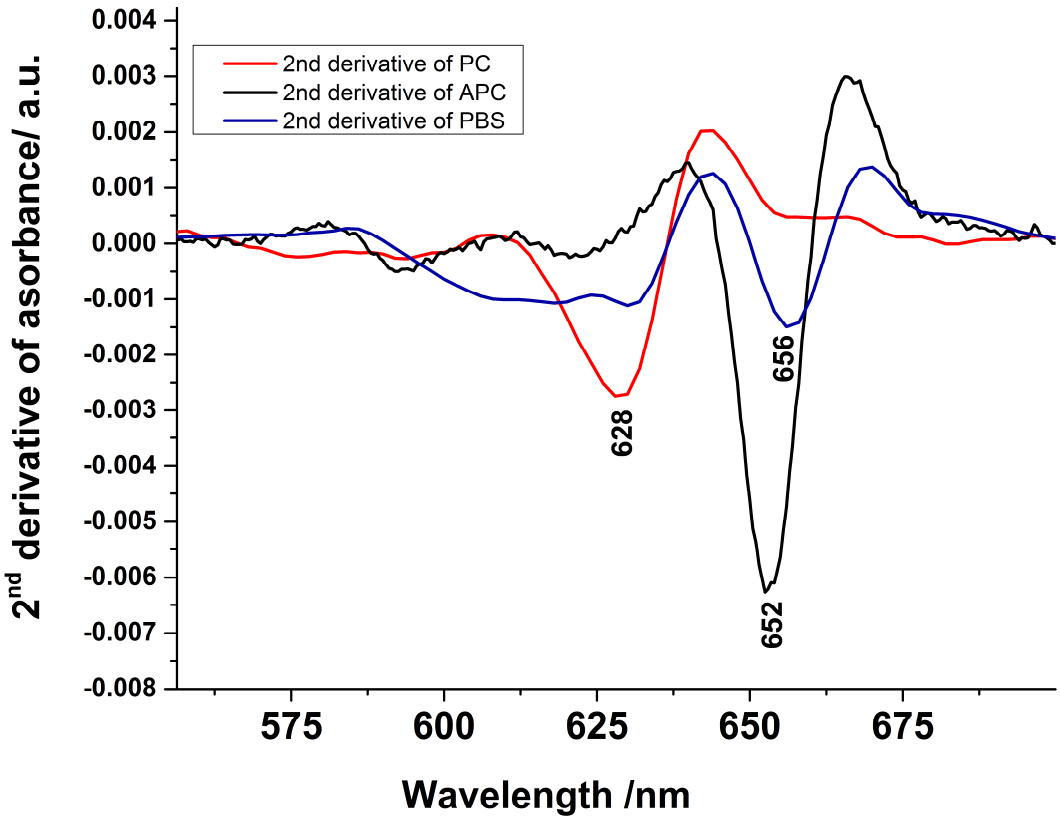

Figure S1. The 2nd derivative of the absorbance spectra characteristic to the PBS, PC, and APC.

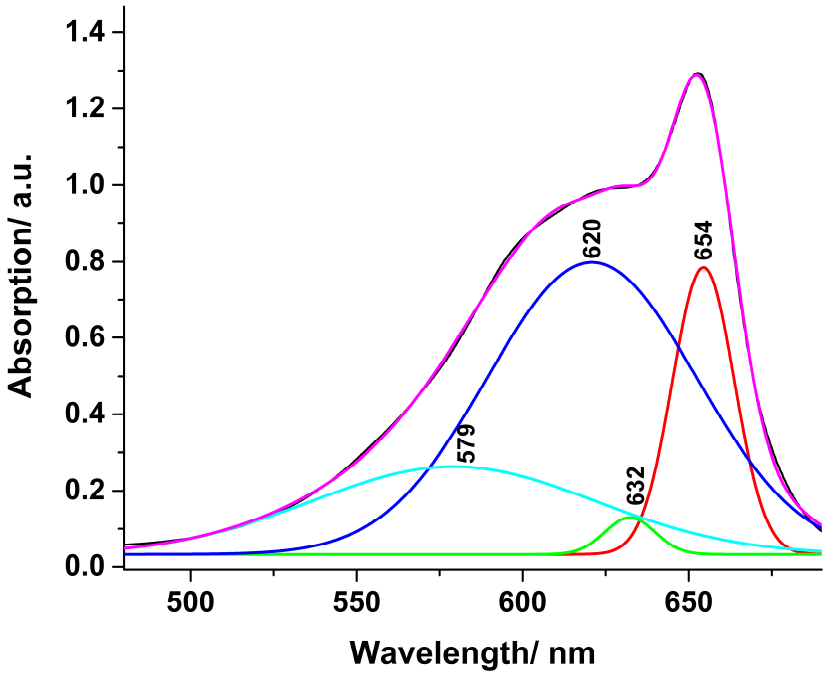

Figure S2. Steady-state absorption spectrum of APC and its deconvolution using a Gauss model

Peak wavelength	FWHM	Amplitude
579 nm	100.84	24.87
620 nm	74.11	60.43
632 nm	17.86	1.84
654 nm	21.85	17.5

R^2=0.99957

X^2=6.7E-5

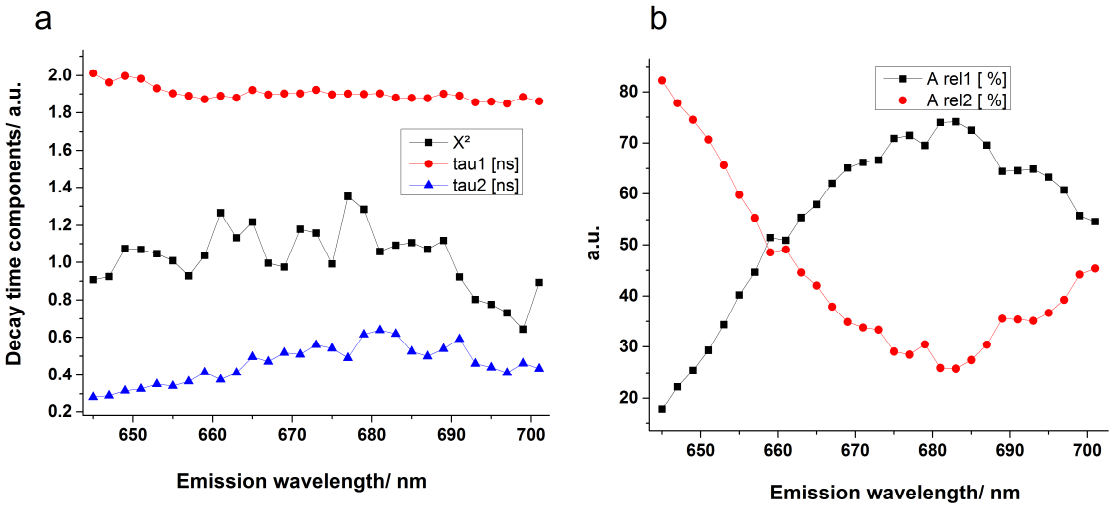

Figure S3. (a) The two lifetime components characteristic to the PBS obtained from the TCSPC data using a reconvolution model with a double exponential function and their variation with the probed emission wavelength; (b) The corresponding relative amplitudes and their modification with the detection wavelength.