

Supporting information for

Energy Transfer from a Dye Donor to Enhance the Luminescence of Silicon Quantum Dots

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Figure 6 validates that the increase in PL intensity of the SiQD micelles is associated with energy transfer from VA. The PL of micelles containing constant silicon and increasing amounts of VA reveal that at 350nm, the excitation wavelength of VA, the PL increases sharply, whereas at 380nm, 400nm and 430nm no sharp increase is noticed. The PL spectra for which the data from figure 6 are extracted are plotted below.

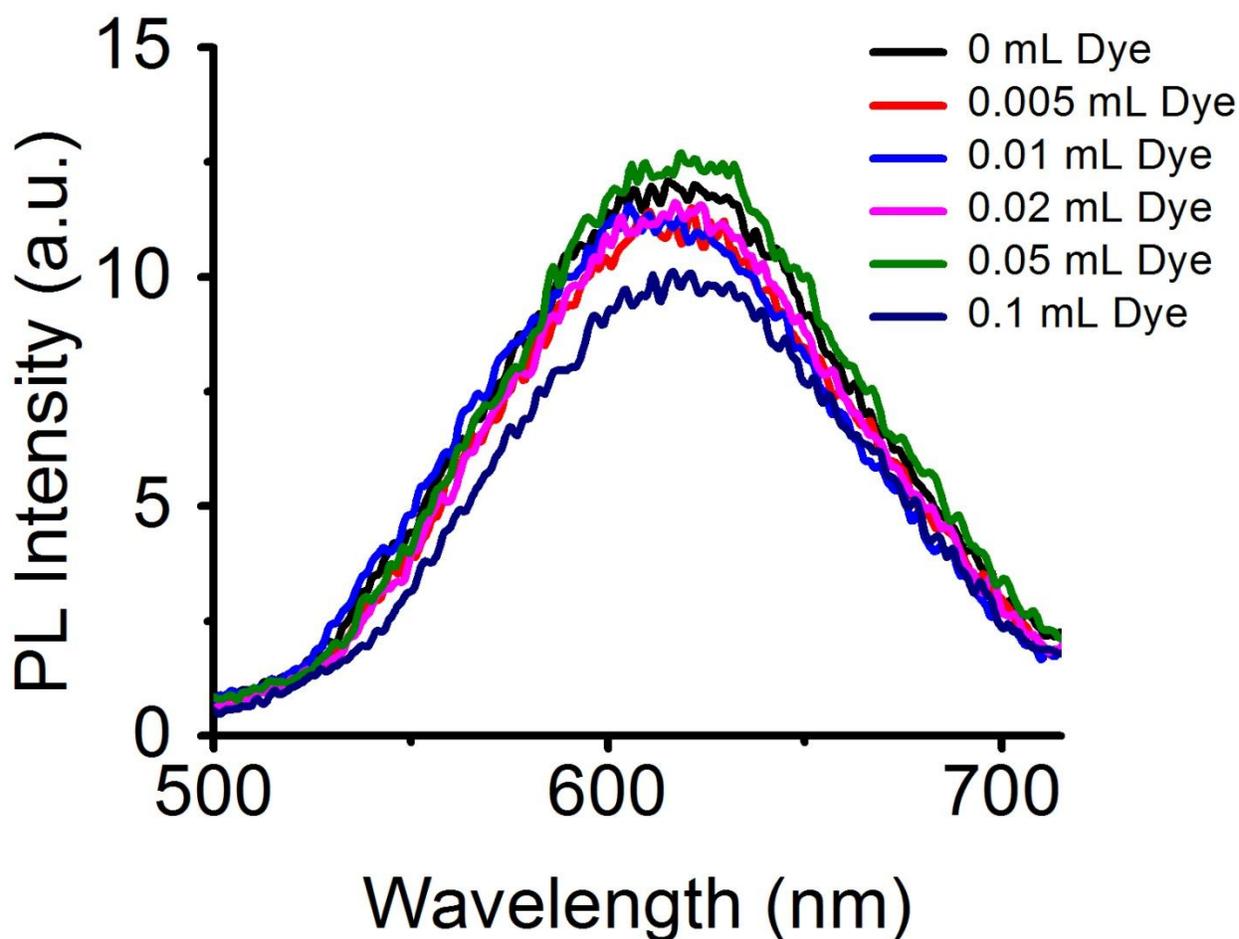


Figure S1. (a) The PL trend of a certain amount of SiQDs with different amounts of VA co-encapsulated in micelles. The excitation wavelength is 380nm

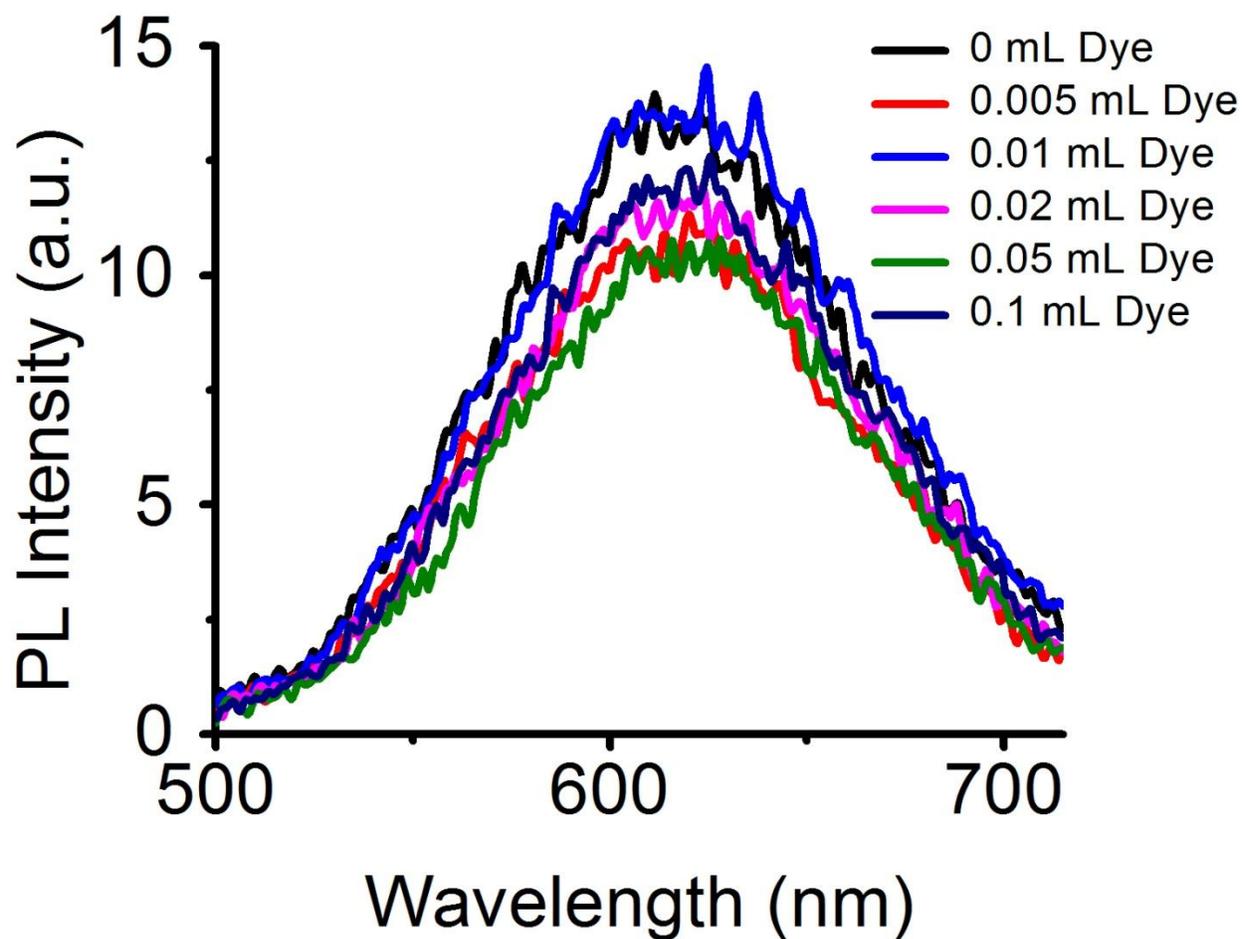


Figure S2. (a) The PL trend of a certain amount of SiQDs with different amounts of VA co-encapsulated in micelles. The excitation wavelength is 380nm

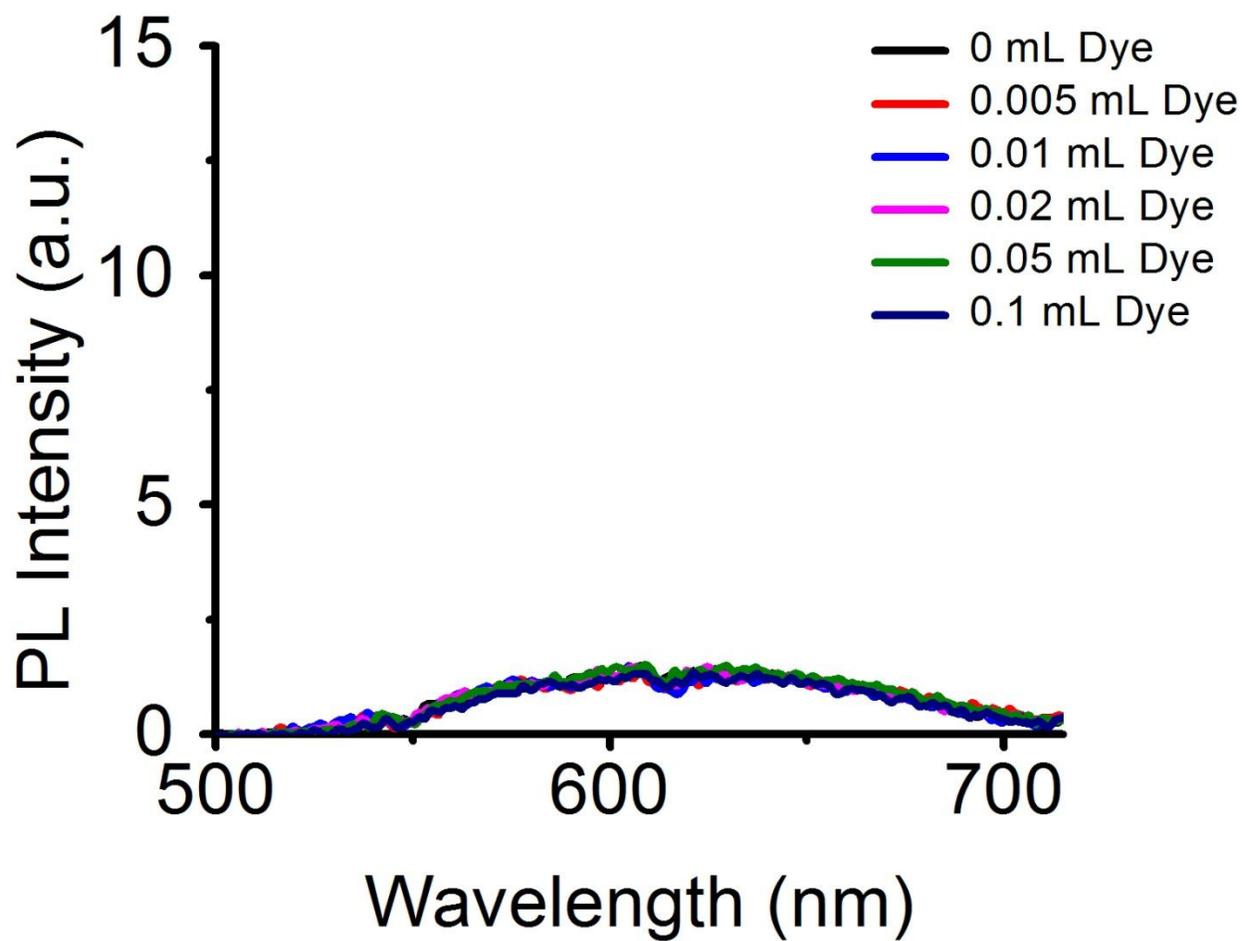


Figure S3. (a) The PL trend of a certain amount of SiQDs with different amounts of VA co-encapsulated in micelles. The excitation wavelength is 400 nm

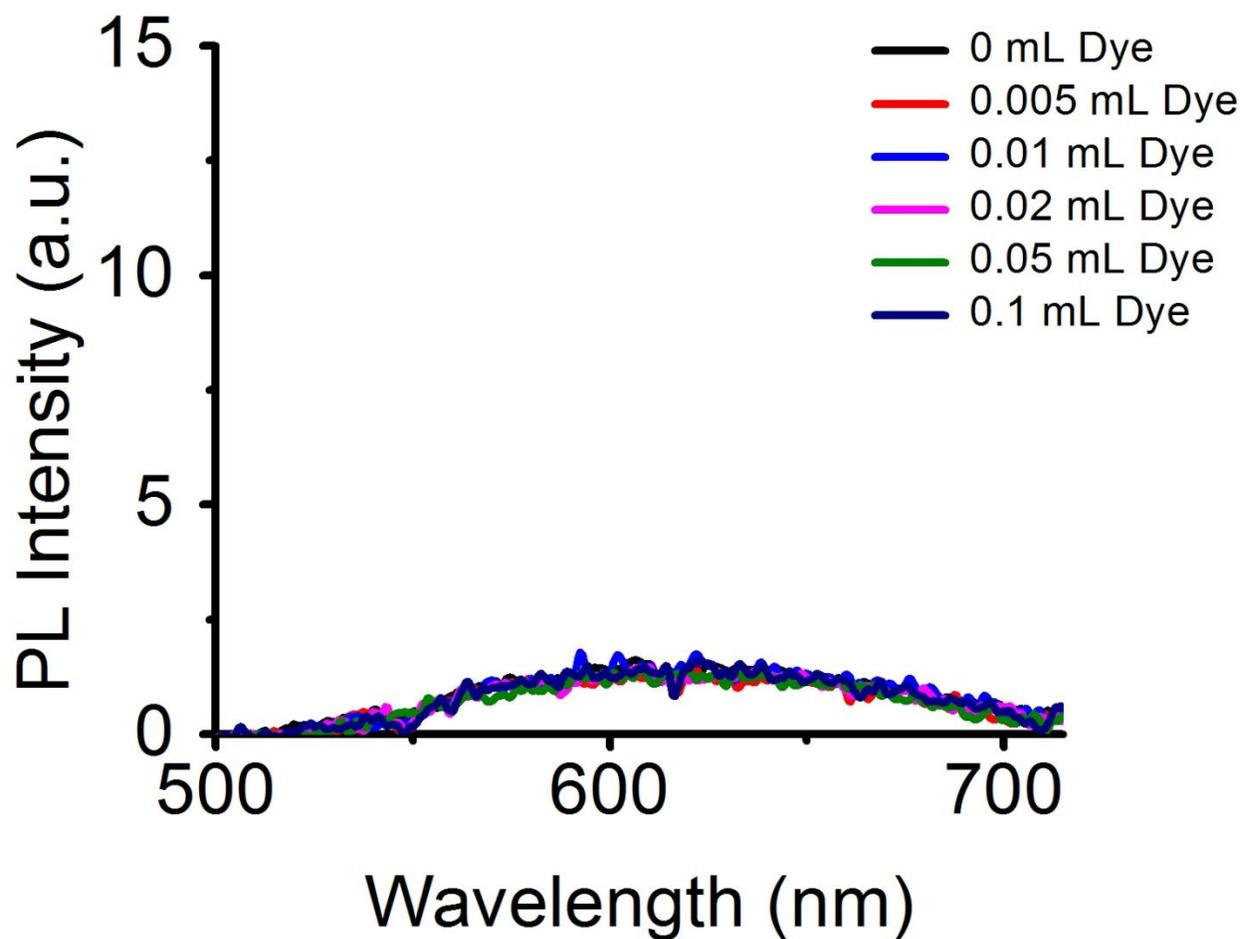


Figure S4. (a) The PL trend of a certain amount of SiQDs with different amounts of VA co-encapsulated in micelles. The excitation wavelength is 400nm

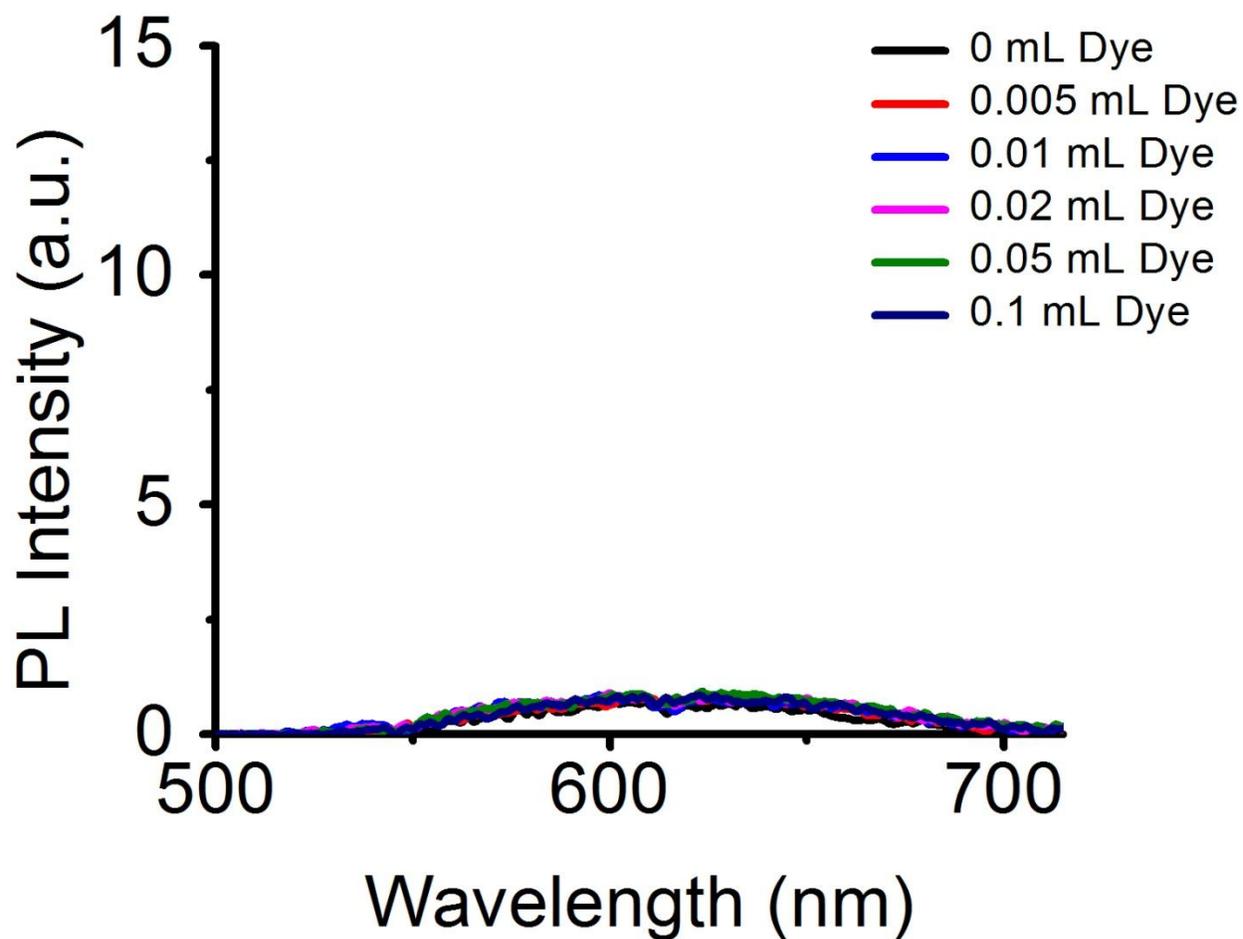


Figure S5. (a) The PL trend of a certain amount of SiQDs with different amounts of VA co-encapsulated in micelles. The excitation wavelength is 430nm

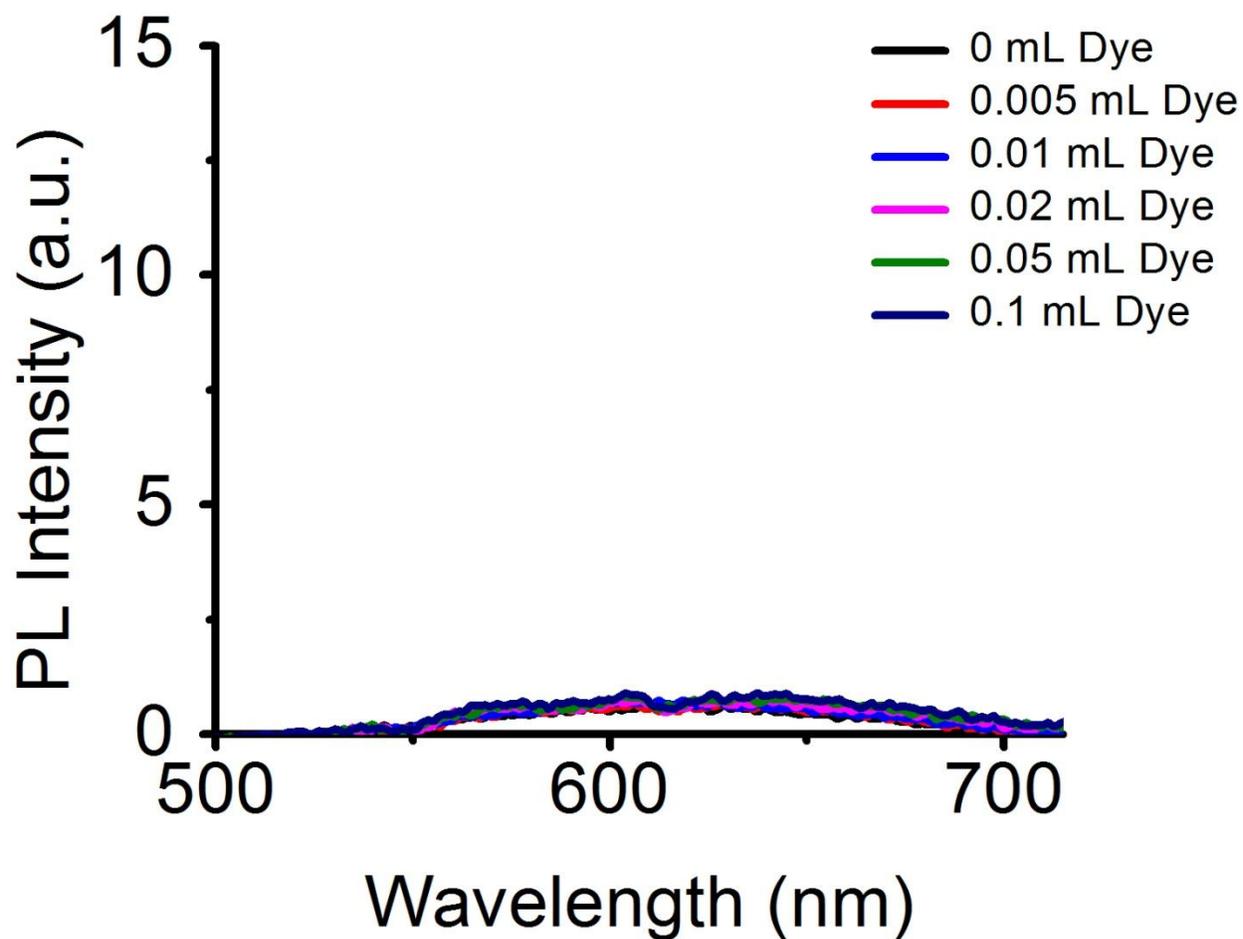


Figure S6. (a) The PL trend of a certain amount of SiQDs with different amounts of VA co-encapsulated in micelles. The excitation wavelength is 430nm