Electronic Supplementary Information

Tuning of fluorescence properties of aminoterpyridine fluorophores by *N*-substitution

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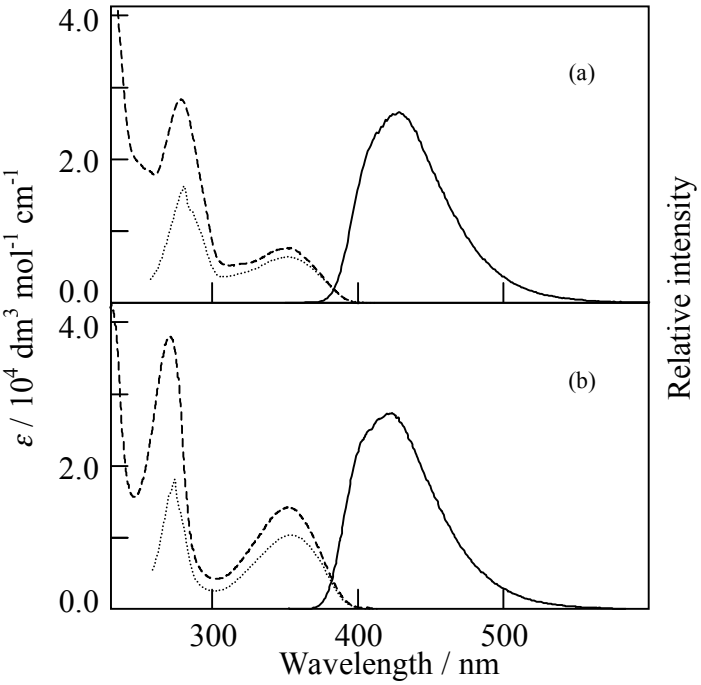

Fig. S1 Absorption (broken line), fluorescence (solid line) and excitation (dotted line) spectra of **3** (a) and **8** (b) in dichloromethane.

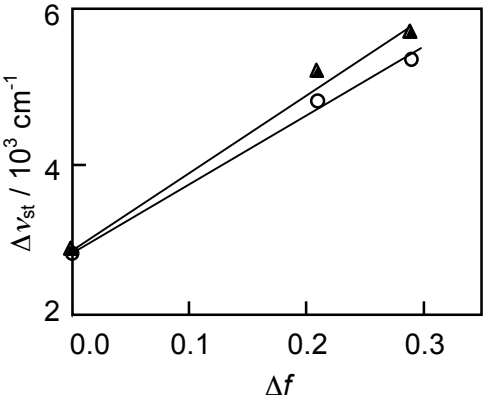

Figure S2. Lippert-Mataga plot (see main text) of **3** (filled triangle) and **8** (open circle) in cyclohexene (Δf = 0.00), dichloromethane (0.21) and ethanol (0.29). Equations expressing the collinear approximation were as follows.

3: $\Delta\nu_{st} = 1.0\text{x}10^4\ \Delta f + 2.9\text{x}10^3$ (R = 0.990)

8: $\Delta\nu_{st} = 8.9\text{x}10^3\ \Delta f + 2.9\text{x}10^3$ (R = 0.996)

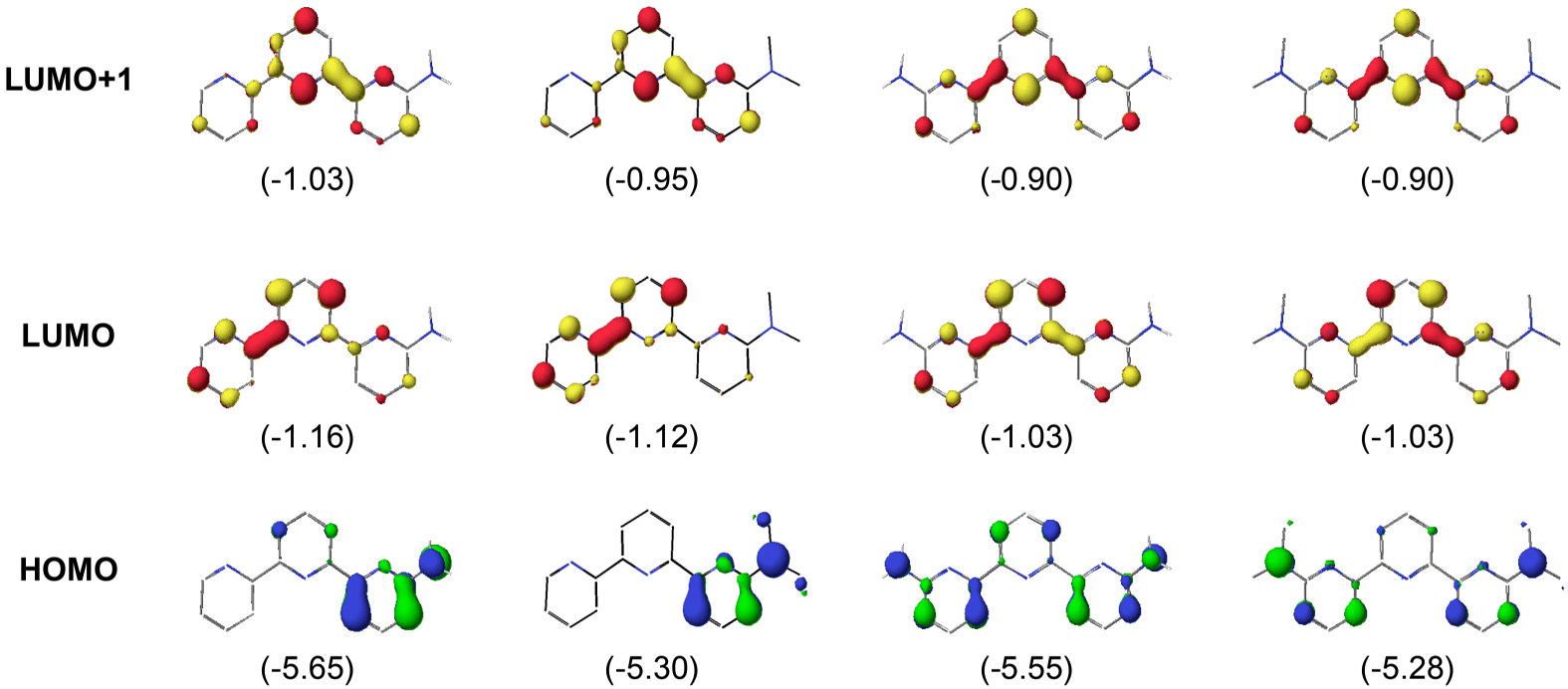

Fig. 3 Electronic state of **1**, **3**, **6**, **8** simulated by TD-DFT (B3LYP/6-31G(d)) calculation. Each orbital is shown with its energy level (*E* / eV) in parentheses.