

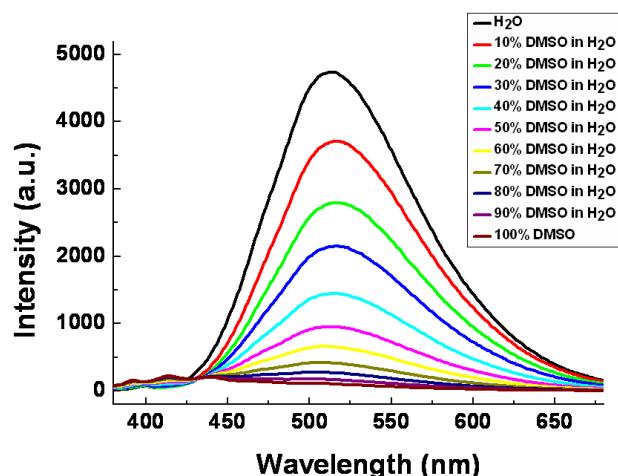
## Supporting Information

### Homogeneous and sensitive DNA detection based on polyelectrolyte complexes of cationic conjugated poly(pyridinium salt)s and DNA

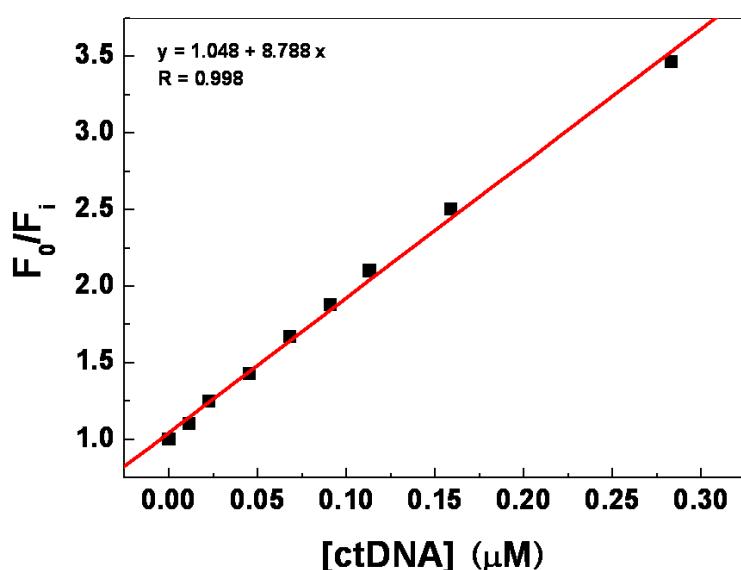
Fengli Han,<sup>a</sup> Yan Lu,<sup>a,\*</sup> Qiang Zhang,<sup>b</sup> Jingfen Sun,<sup>a</sup> Xianshun Zeng<sup>a,\*</sup> and Chenxi Li<sup>b,\*</sup>

<sup>a</sup> School of Materials Science & Engineering, Tianjin University of Technology, Tianjin 300384, China;

<sup>b</sup> Key Laboratory of Functional Polymer Materials, Ministry of Education, Institute of Polymer Chemistry, Nankai University, Tianjin, 300071, China.



**Fig. S1** Fluorescence spectra of PPT in mixture solvents with varying the ratios of DMSO/H<sub>2</sub>O.



**Fig. S2** Stern-Volmer plot for quenching of PPT by calf thymus DNA in phosphate buffer solutions (50 mM, pH 7.4).