

Supporting information

for

Evidence for the binding mode of porphyrins to G-quadruplex DNA

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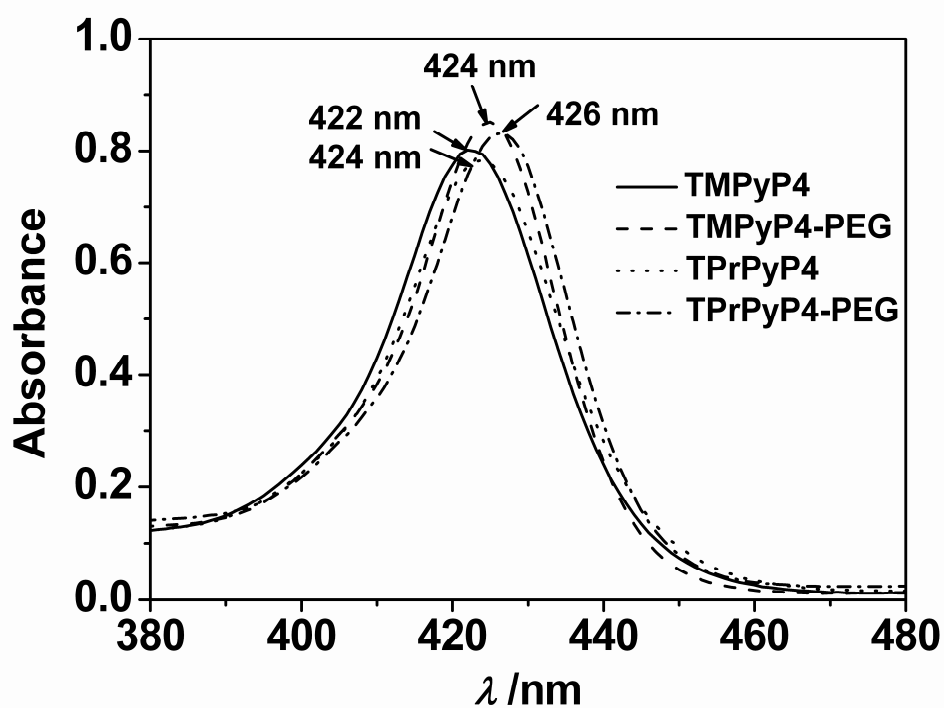
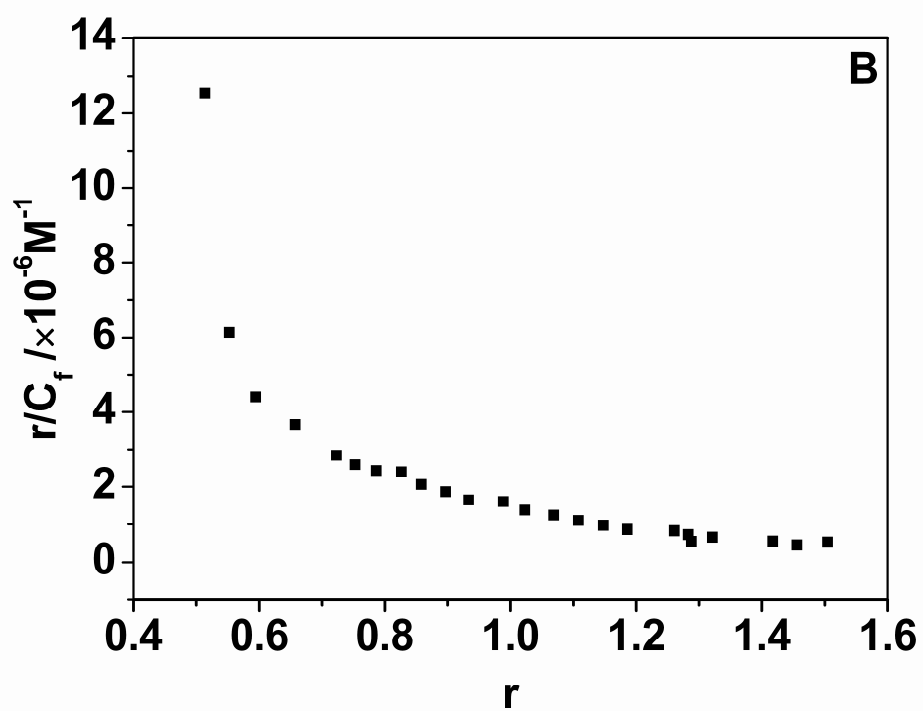
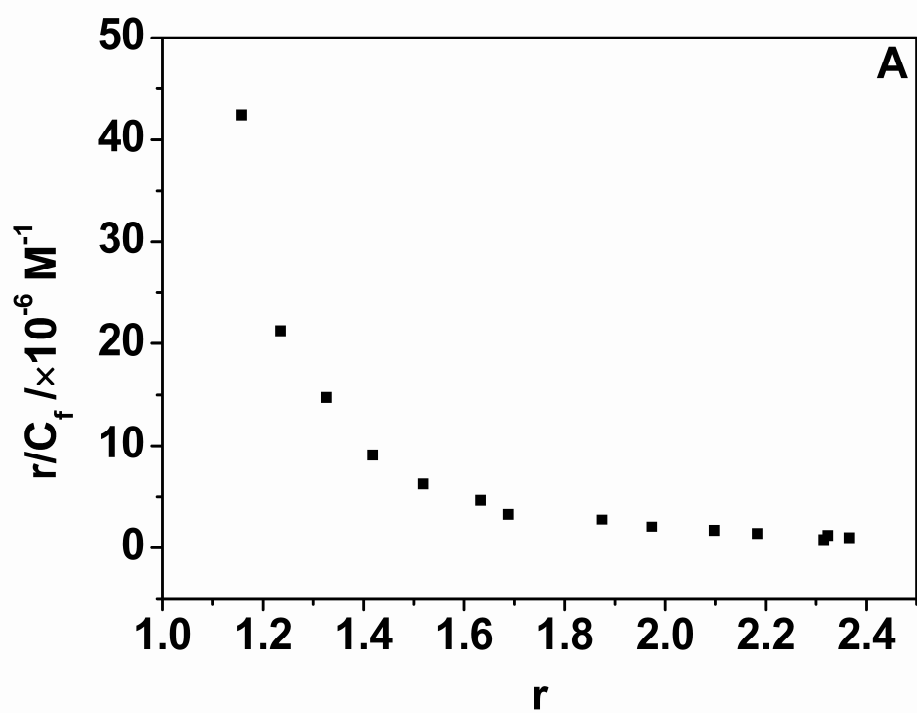


Fig. S1: Absorption spectra of 3.5 μ M TMPyP4 and TPrPyP4 in buffer containing 10 mM Tris-HCl (pH 7.5), 150 mM KCl, and 1mM EDTA in the absence and presence of 40% PEG.



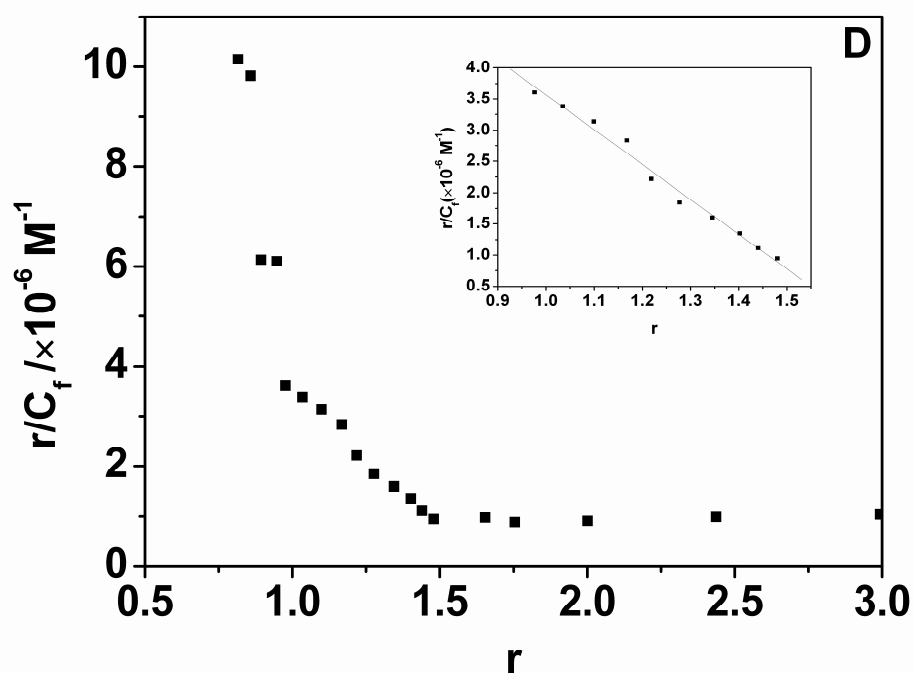
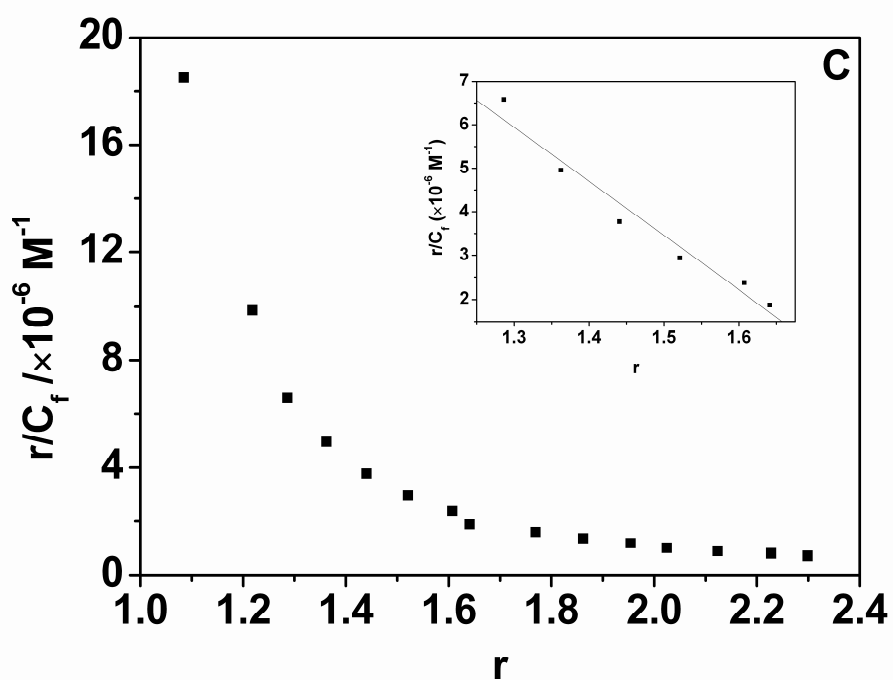


Fig. S2. Scatchard plots for TMPyP4 (A, B) and TPrPyP4 (C, D) with $\text{AG}_3(\text{T}_2\text{AG}_3)_3$ G-quadruplex in buffer containing 10 mM Tris-HCl (pH 7.5), 150 mM KCl, and 1mM EDTA in the absence (A, C) and presence (B, D) of 40% PEG.

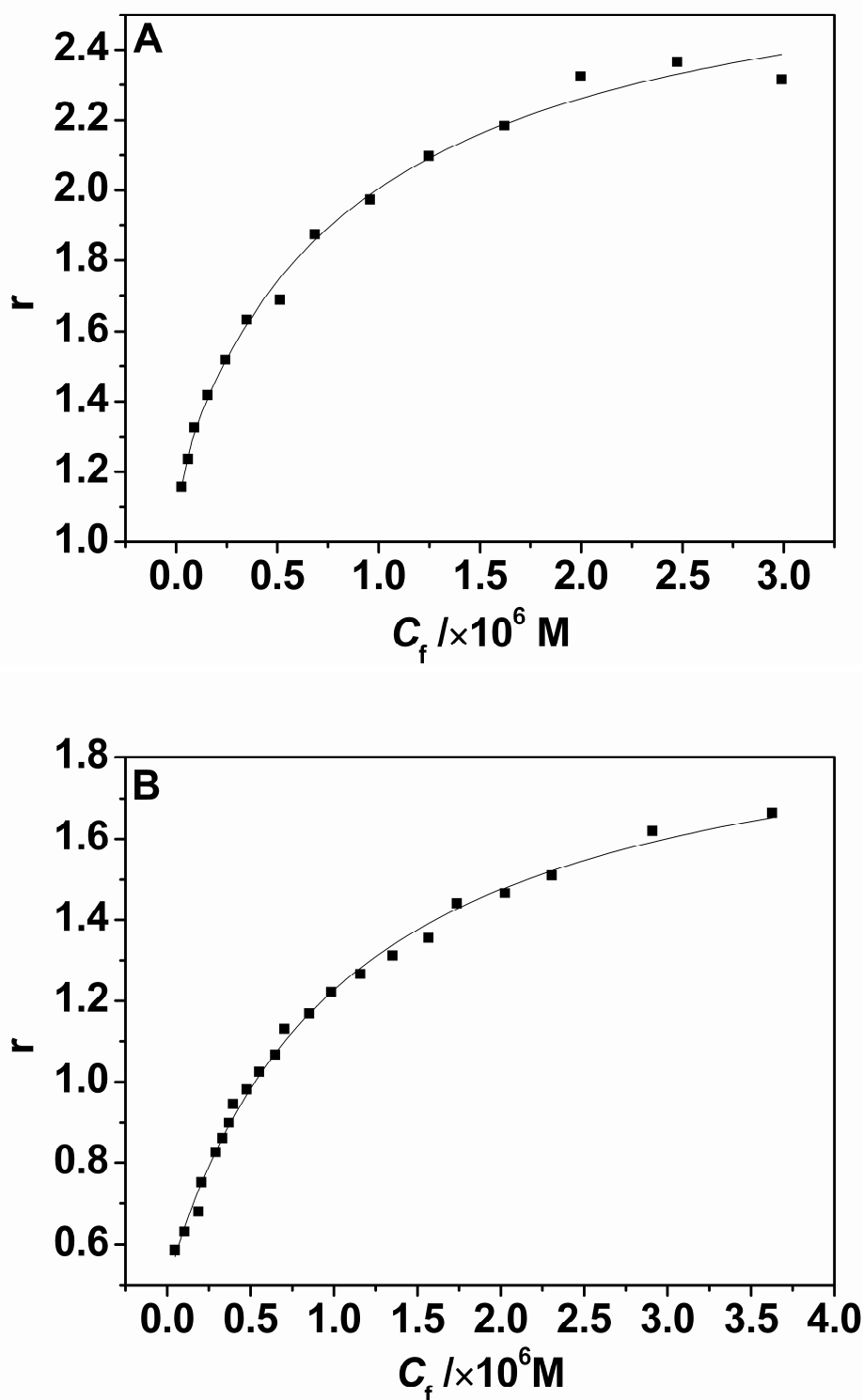


Fig. S3: Plots of r (moles of bound TMPyP4/1 mol of G-quadruplexes) versus $[\text{TMPyP4}]_{\text{free}}$ in buffer containing 10 mM Tris-HCl (pH 7.5), 150 mM KCl, and 1mM EDTA in the absence (A) and presence (B) of 40% PEG.