

Supplementary Information

Probing the Stable G-Quadruplex Transition Using Quencher-Free End-Stacking Ethynyl Pyrene-Adenosine

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S2 Table S1. MALDI-TOF mass spectral data.

S3 Figure S1. Melting temperature of ODN S1 and ODN S3

S4 Figure S2. Absorption and fluorescence spectra for ODN S1.

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Table S1. MALDI-TOF mass spectral data

Sequence	MALDI-TOF signal [M^+]	
	Calc. m/z	Found m/z
S1	5263	5266
S2	<u>4726</u>	<u>4726</u>
S3	<u>5039</u>	<u>5038</u>

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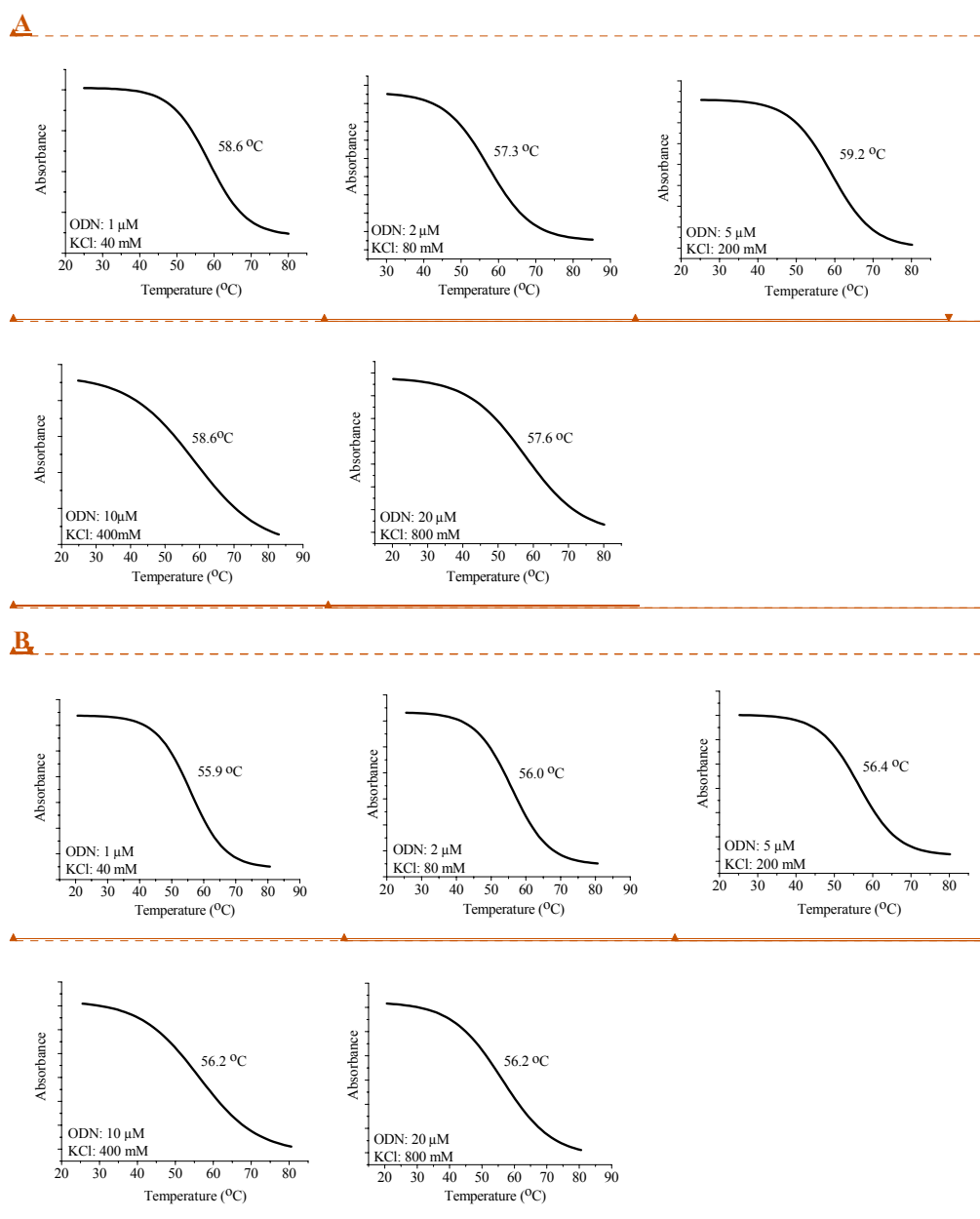


Figure S1. Melting temperature of (A) ODN S1 (B) ODN S3 with the diverse concentrations of KCl. All samples were prepared in 5 mM Tris-HCl buffer (pH 7.2), at 20 °C under irradiation at 295 nm.

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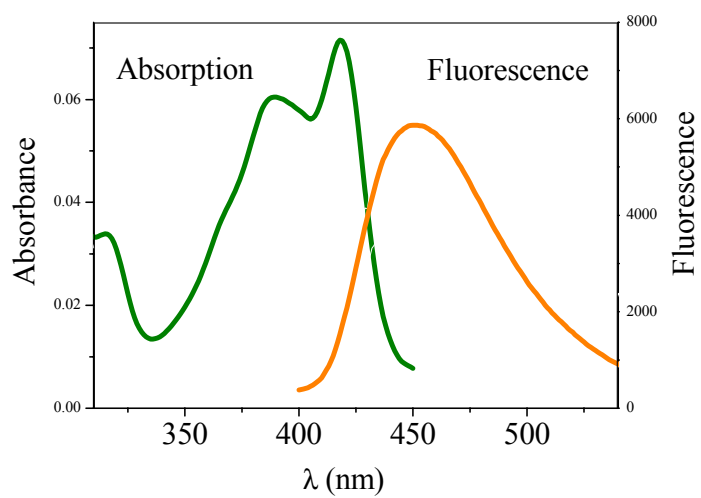
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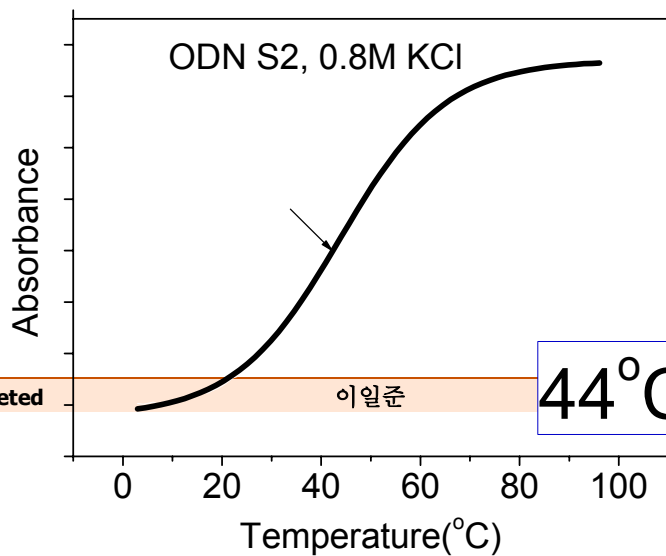
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Figure S2. Absorption and fluorescence spectra for ODN S1 with no KCl. All samples were prepared in 5 mM Tris-HCl buffer (pH 7.2), at 20 °C.

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