

Supplementary Information

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

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Young Jun Seo, Il Joon Lee, Jeong Wu Yi, and Byeang Hyeon Kim*

*Department of Chemistry, BK School of Molecular Science
Pohang University of Science and Technology, Pohang 790-784, Korea*

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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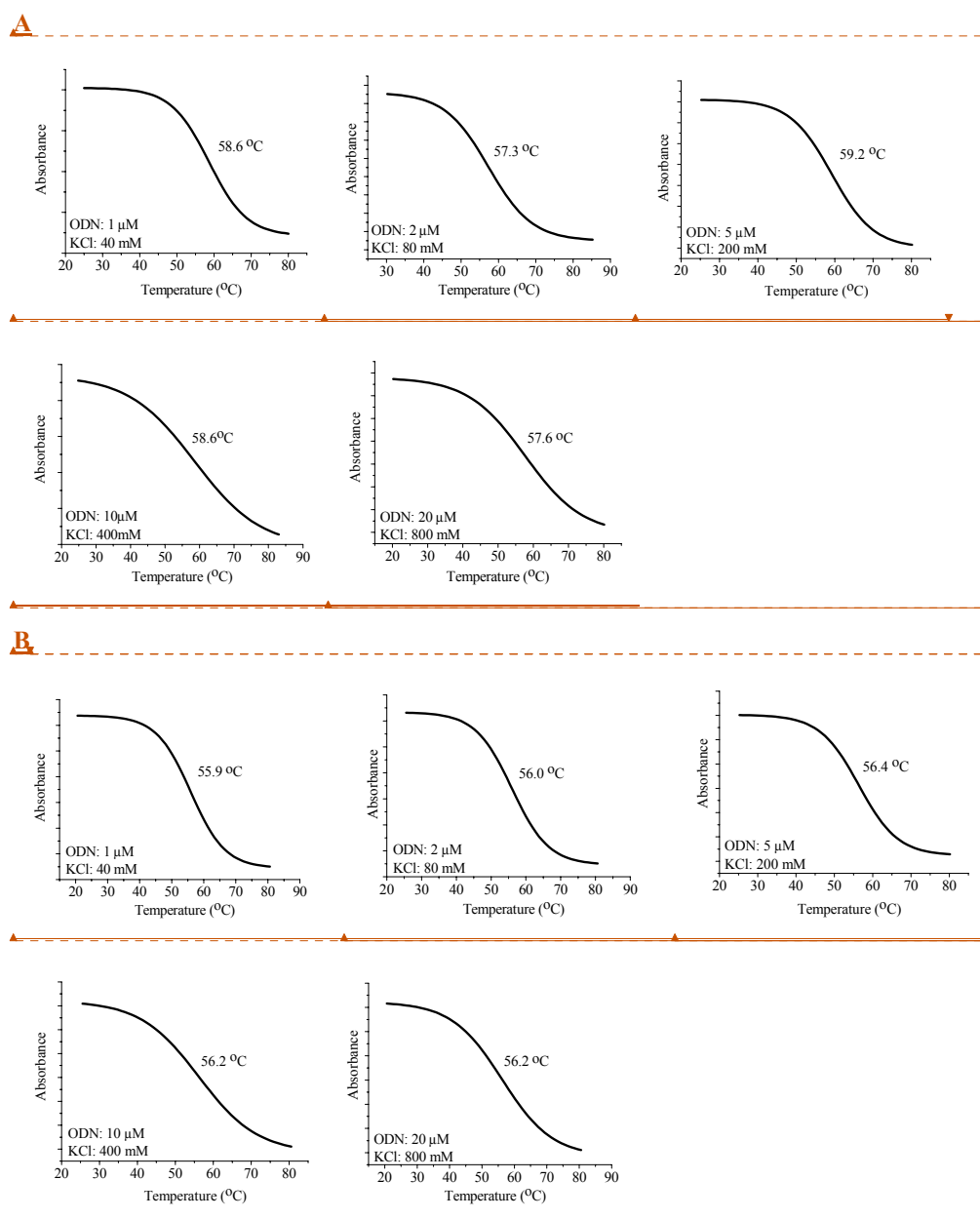


Figure S1. Melting temperature of (A) ODN S1 (B) ODN S3 with the diverse concentrations of KCl. All samples were prepared in 5 mM Tris-HCl buffer (pH 7.2), at 20 $^{\circ}$ C under irradiation at 295 nm.

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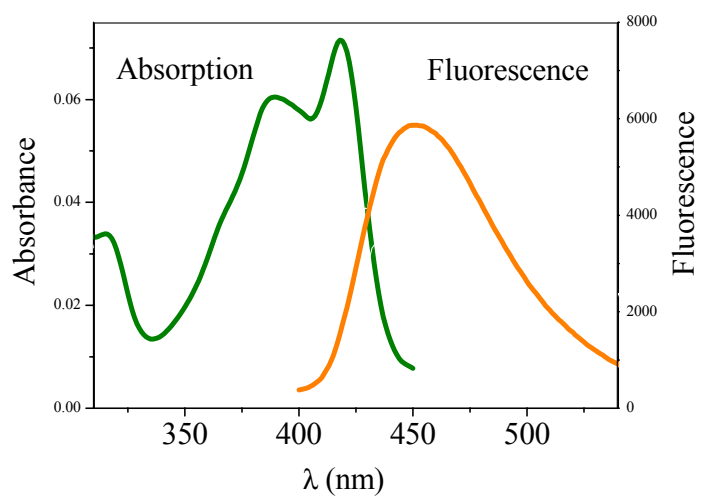
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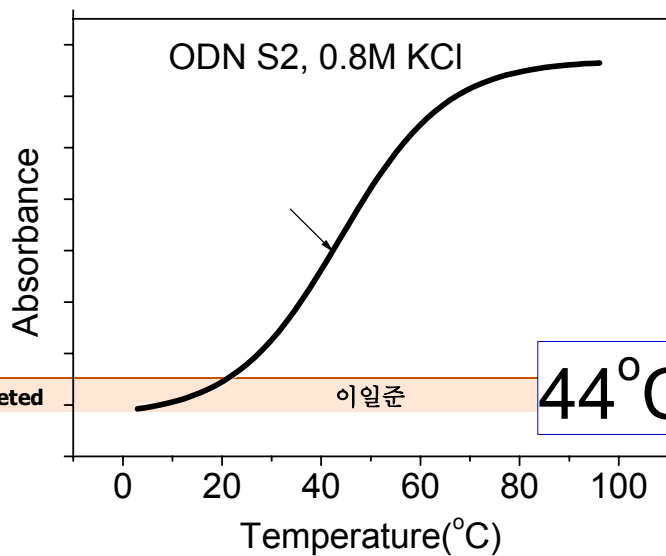
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Figure S2. Absorption and fluorescence spectra for ODN S1 with no KCl. All samples were prepared in 5 mM Tris-HCl buffer (pH 7.2), at 20 °C.

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