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JOURNAL OF THE AMERICAN CHEMICAL SOCIETY

J. Am. Chem. Soc., 1998, 120(39), 9995-10000, DOI: [10.1021/ja981166r](https://doi.org/10.1021/ja981166r)

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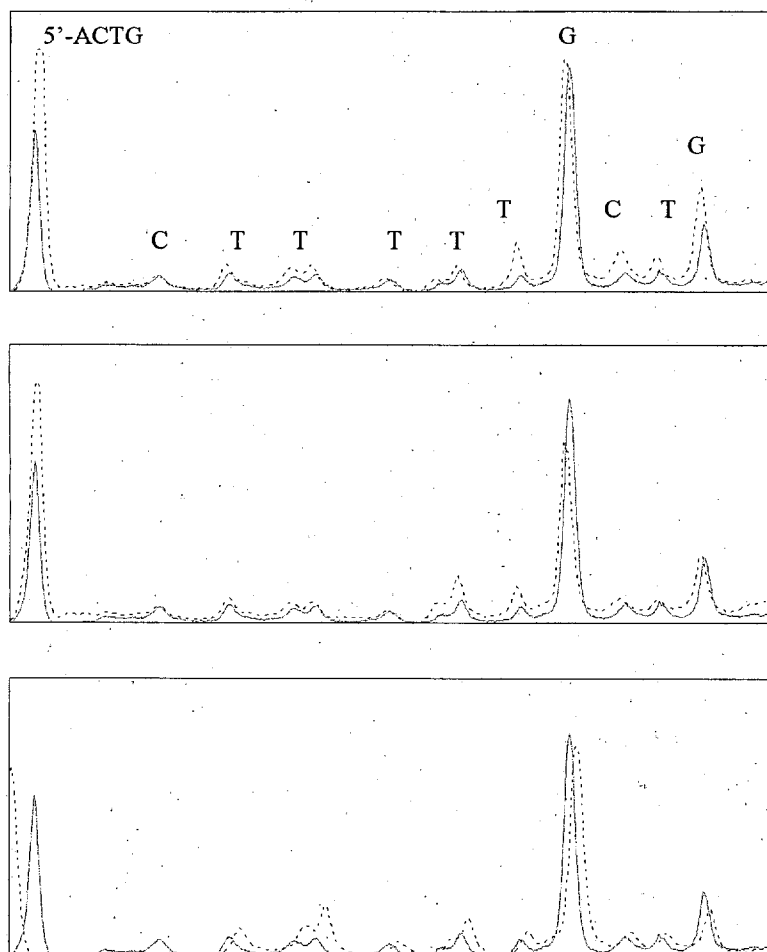
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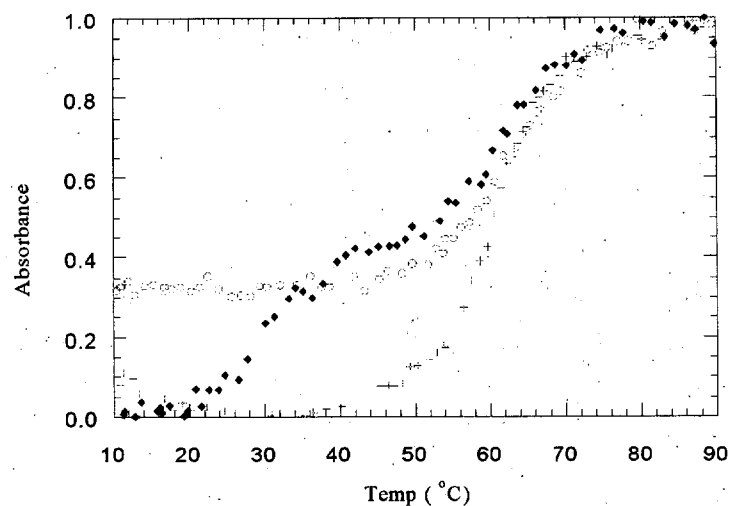
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**Figure S1.** Histogram plot of the temperature independent  $\text{Pt}_2(\text{pop})_4^+$  reaction for the single-stranded sequence  $\text{d}(5'\text{-ACTGCCTTTTGCTGAA})$ . Solid line: 28 °C; dotted lines: 41 °C, 50 °C, and 65 °C for first, second, and third panels, respectively. Temperature independent reactivity is observed at temperatures as high as 90 °C.



**Figure S2.** Plot of absorbance as a function of temperature for the triplex DNA sequence using 5 mM pyrophosphate buffer, 110 mM NaCl, and 0.1 mM EDTA at pH 7.3 (o), 6.3 (◆), and 5.6 (+).