

SUPPLEMENTARY MATERIAL

Formation of the G-quadruplex and i-motif Structures in Retinoblastoma Susceptibility Genes (Rb)

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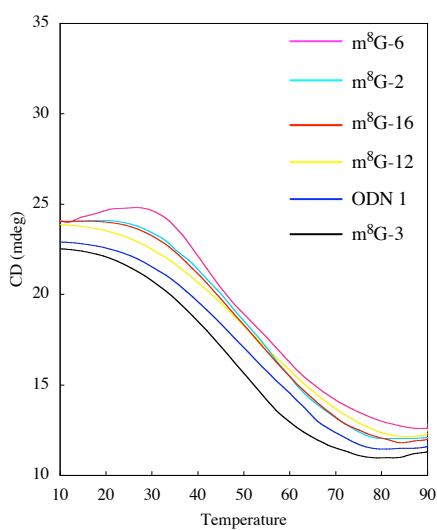


Figure 1S. CD melting curves for oligonucleotides monitored at 295 nm. The numbers indicate the position of m⁸G at ODN 1; m⁸G-2 (ODN 2), m⁸G-6 (ODN 4), m⁸G-12 (ODN 5), and m⁸G-16 (ODN 6) for the *syn* position, m⁸G-3 (ODN 3) for the *anti* position.

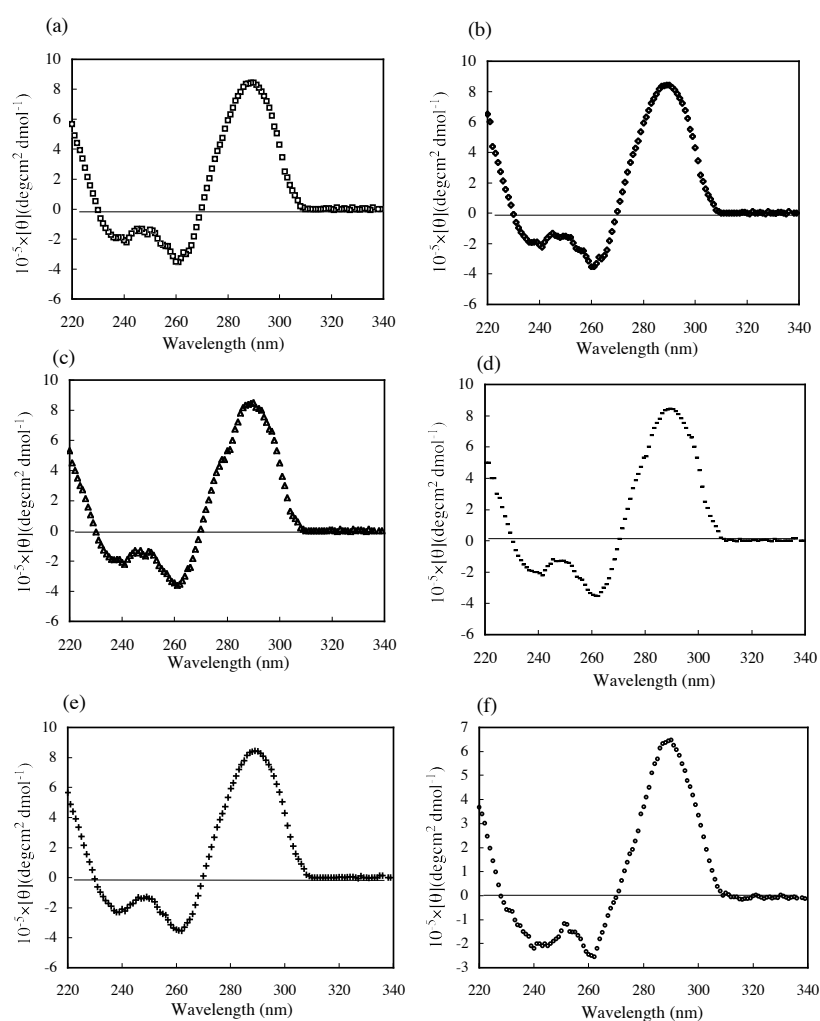


Figure 2S. CD spectra of 5'-d[CGGGGGGTTTTGGGCGGC]-3' (a); 5'-d[C(m⁸G)GGGGTTTTGGGCGGC]-3' (b); 5'-d[CGGGG(m⁸G)TTTTGGGCGGC]-3' (c); 5'-d[CGGGGGGTTTT(m⁸G)GGGCGGC]-3' (d); 5'-d[CGGGGGGTTTTGGG(m⁸G)GC]-3' (e); 5'-d[CG(m⁸G)GGGGTTTTGGGCGGC]-3' (f); in 2 mM sodium cacodylate buffer (pH 7.0) in the presence of 100 mM KCl at 25 °C (0.1 mM base concentration).