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Supporting Information

Investigation of B-Z Transitions with DNA Oligonucleotides Containing 8-methylguanine

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Table S1. Mass spectra data of oligomers synthesis

	DNA sequence	NaCl Midpoint	Predicted Exact Mass	Predicted Double Negative Peak Mass	Measured Peak
a	d(CGCGCG)	2200 mM	1792.34	895.16	895.2531
b	d(CGCm^{8}GCG)	25 mM	1806.36	902.18	902.2399
c	d(Cm^{8}GCGCG)	115 mM	1806.36	902.18	902.2341
d	d(CGCGCm^{8}G)	227 mM	1806.36	902.18	902.2039
e	d(CGCm^{8}rGCG)	10 mM	1822.35	910.175	910.2577
f	d(Cm^{8}rGCGCG)	19 mM	1822.35	910.175	910.2711
g	d(CGCGCm^{8}rG)	28 mM	1822.35	910.175	910.2813
h	d(GCGCGC)	Undeterminable	1792.34	895.16	895.2504
i	d(GCm^{8}GCGC)	96 mM	1806.36	902.18	902.4160
j	d(GCGCm^{8}GC)	1370 mM	1806.36	902.18	902.4088
k	d(m^{8}GCGCGC)	2500 mM	1806.36	902.18	902.2237
l	d(GCm^{8}rGCGC)	59 mM	1822.35	910.175	910.4136
m	d(GCGCm^{8}rGC)	1000 mM	1822.35	910.175	910.3929
n	d(m^{8}rGCGCGC)	1320 mM	1822.35	910.175	910.3796
o	d(CGCGCGCG)	1690 mM	2410.44	1204.44	1204.96
p	d(CGCm^{8}GCGCG)	34 mM	2424.46	1211.23	1211.8574
q	d(CGCGCm^{8}GCG)	519 mM	2424.46	1211.23	1211.8416
r	d(GCGCGCCG)	Undeterminable	2410.44	1204.44	1204.4760
s	d(GCm^{8}GCGCGC)	1040 mM	2424.46	1211.23	1211.8794
t	d(GCGCm^{8}GCGC)	1380 mM	2424.46	1211.23	1211.8577