Table 1: Nearest-Neighbor Thermodynamic Parameters for Watson-Crick Base Pai

propagation sequence	ΔH° (kcal/mol)	ΔS° (eu)
AA	-7.9	-22.2
AT	-7.2	-20.4
AC	-8.4	-22.4
AG	-7.8	-21
TA	-7.2	-21.3
TT	-7.9	-22.2
TC	-8.2	-22.2
TG	-8.5	-22.7
CA	-8.5	-22.7
CT	-7.8	-21
CC	-8	-19.9
CG	-10.6	-27.2
GA	-8.2	-22.2
GT	-8.4	-22.4
GC	-9.8	-24.4
GG	-8	-19.9
initiation	2.4	1.3

$$T_M = 1000 \times (\Delta H^0 + 2.4)/(\Delta S^0 - 0.7N - 32.1) - 273.15,\ N=B\ (\text{base}$$

$$\Delta H^0 = Base1Base2 + Base2Base3 + Base3Base4 + \ldots\ldots\ Base_{(B-1)}Base$$

$$\Delta S^0 = Base1Base2 + Base2Base3 + Base3Base4 + \ldots\ldots\ Base_{(B-1)}Base$$

ir Formation in 1 M NaCl		ΔH°	ΔS°
$\Delta G°_{37}$ (kcal/mol)			
-1	GA	-8.2	-22.2
-0.88	AC	-8.4	-22.4
-1.44	CT	-7.8	-21
-1.28	TG	-8.5	-22.7
	GG	-8	-19.9
-0.58	GT	-8.4	-22.4
-1	TG	-8.5	-22.7
-1.3	GG	-8	-19.9
-1.45	GG	-8	-19.9
	GA	-8.2	-22.2
-1.45	AA	-7.9	-22.2
-1.28	AG	-7.8	-21
-1.84	GG	-8	-19.9
-2.17	GA	-8.2	-22.2
	AG	-7.8	-21
-1.3	GA	-8.2	-22.2
-1.44	AC	-8.4	-22.4
-2.24		-138.3	-366.2
-1.84			
2.01			

ıumbers) +2

$_{(B)}$ (Column B)

$_{(B)}$ (Column C)