

Supplementary Information S2. The physicochemical properties of dinucleotides in DNA.

Dinucleotide	Physicochemical property					
	Rise	Roll	Shift	Slide	Tilt	Twist
AA	7.65	2.26	1.69	0.026	0.020	0.038
AC	8.93	3.03	1.32	0.036	0.023	0.038
AG	7.08	2.03	1.46	0.031	0.019	0.037
AT	9.07	3.83	1.03	0.033	0.022	0.036
CA	6.38	1.78	1.07	0.016	0.017	0.025
CC	8.04	1.65	1.43	0.026	0.019	0.042
CG	6.23	2.00	1.08	0.014	0.016	0.026
CT	7.08	2.03	1.46	0.031	0.019	0.037
GA	8.56	1.93	1.32	0.025	0.020	0.038
GC	9.53	2.61	1.20	0.025	0.026	0.036
GG	8.04	1.65	1.43	0.026	0.019	0.042
GT	8.93	3.03	1.32	0.036	0.023	0.038
TA	6.23	1.20	0.72	0.017	0.016	0.018
TC	8.56	1.93	1.32	0.025	0.02	0.038
TG	6.38	1.78	1.07	0.016	0.017	0.025
TT	7.65	2.26	1.69	0.026	0.020	0.038