

S1 Table. Values for energy (kJ/mol) required to break a DNA:DNA basepair, used in RNAP pausing model. Energy values were calculated for the temperature of 303 K based on nearest neighbour model from Table 2 in [25].

	3' base	A	C	G	T
Nearest 5' neighbour					
A		4.95	7.15	6.41	4.22
C		6.37	8.26	9.92	5.52
G		5.71	10.06	8.26	6.27
T		3.10	6.59	7.26	4.95