Supplementary Table S1

Oligonucleotides[a]	nt	Sequences (5'-3')
Upstream Strands		
U1	11	CATGCCTAGTC
U2	12	CATGCCTAGTCC
U3	15	CATGCCTAGTCCATT
U4	10	CATGCCTAGT
U5	18	CTGCGGTTTCCTCAAGCT
Downstream Strands		
D1	14	pATTGATCTCTGGTA
D2	13	pTTGATCTCTGGTA
D3	10	pATCTCTGGTA
D4	15	pCGCCTGCCCCCTCAG
Template Strands		
T1	26	UACCAGAGAUCAAU**(8-oxoG)**GACUAGGCAUG
T2	26	UACCAGAGAUCAAU**(8-oxoG)(8-oxoG)**ACUAGGCAUG
T3	34	CUGAGGGGGCAGGCG(**Abasic Site**)AGCUUGAGGAAACCGCAG

[a] The nucleotide opposite to the 1 nt gap is on boldface. "p" represents a phosphate group. The red color indicates the sequence used for the simulations.