

Table S2. Oligonucleotides for DNA substrates

Primer:	Sequence 5' → 3':	Description:
1	CGGTGACCGATCTGTAGCTCTACGG	Complementary oligo for ds control and Hx
2	CCGTAGAGCTACAGATCGGTCACCG	ds control*
3	CCGTAGAGCTAC[Hx]GATCGGTCACCG	Hypoxanthine*
4	GCATGCCTGCACGG[U]CATGGCCAGATCCCCGGGTACCGAG	Uracil*
5	CTCGGTACCCGGGGATCTGGCCATGGCCGTGCAGGCATGC	Complementary G for uracil
6	CCGTAGAGCGACAGATCGGTCACCG	Complementary for loop (A)*
7	CGGTGACCGATCTTGTGCTCTACGG	Loop (TT)
8	TCAACTCTGGAATAAGTGCCTGGTCCGGT	Complementary oligo for hairpin*
9	ACCGACCACGCACTGCGCGTTTTTCGCGCTATTCCAGAGTTGA	Hairpin
10	GGATACGTAACAACGCTTATGCATCGCCGCCGCTACATCCCTGAGCTGAC	3'-flap, 5'-flap, 3-way*, pseudo-Y*, fork
11	ATGCATAAGCGTTGTTACGTATCC	3'-flap, fork
12	GTCAGCTCAGGGATGTAGCGGCGG	5'-flap
13	TGTGTTTCGATCTCGATCAGAATGACGATGCATAAGCGTTGTTACGTATCC	5'-flap*, 3-way, pseudo-Y
14	GTCAGCTCAGGGATGTAGCGGCGGAGTCATTCTGATCGAGATCGAACACA	3'-flap*, 3-way, fork*
15	TGTGTTTCGATCTCGATCAGAATGA	fork
16	CCGCTACCAGTGATCACCAATGGATTGCTAGGACATCTTTGCCACCTGCAGGTTACCC	HJ_1
17	TGGGTGAACCTGCAGGTGGGCAAAGATGTCCTAGCAATCCATTGTCTATGACGTCAAGCT	HJ_2*
18	GAGCTTGACGTCATAGACAATGGATTGCTAGGACATCTTTGCCGTCTTGTCAATATCGGC	HJ_3
19	TGCCGATATTGACAAGACGGCAAAGATGTCCTAGCAATCCATTGGTGATCACTGGTAGCGG	HJ_4

* = ³²P labelled strand