

Supplemental Table S1. List of oligodeoxynucleotides used for preparation of damaged

DNA probes.

Oligos	Sequence and modification
Oligo 1	5'-CCT TAA GCT TCC TCA ACC ACT TAC CAT ACT CGA GAT T-3' (37mer)
TMR-oligo 1	5'-/TAMRA/CCT TAA GCT TCC TCA ACC ACT TAC CAT ACT CGA GAT T-3' (37mer)
TMR-oligo 1A	5'-/TAMRA/TTAC CAT ACT CGA GAT T-3' (17mer)
TMR-oligo 1B	5'-/TAMRA/CC TCA ACC ACT TAC CAT ACT CGA GAT T-3' (27mer)
TMR-oligo 1C	5'-/TAMRA/TAA ACA AAT GAT TTT CCT TAA GCT TCC TCA ACC ACT TAC CAT ACT CGA GAT T -3' (52mer)
Oligo 2	5'-/Phosphorylation/GAG TAT GGT AAG TGG TTG AGG AAG CTT AAG G-3' (31mer)
Oligo 2A	5'-/Phosphorylation/GAG TAT GGT AA-3' (11mer)
Oligo 2B	5'-/Phosphorylation/GAG TAT GGT AAG TGG TTG AGG -3' (21mer)
Oligo 2C	5'-/Phosphorylation/GAG TAT GGT AAG TGG TTG AGG AAG CTTAAG GAA AAT CAT TTG TTT A -3' (46mer)
Oligo 3	5'-/Phosphorylation/CCC ATT ATG CAT AAC C -3' (16mer)
(+)-trans-BPDE-16 mer	5'-/Phosphorylation/CCC ATT AT/(+)-trans-BPDE-G/ CAT AAC C -3' (16mer)
(-)-trans-BPDE-16 mer	5'-/Phosphorylation/CCC ATT AT/(-)-trans-BPDE-G/ CAT AAC C -3' (16mer)
Int-FAM-oligo 3	5'-/Phosphorylation/CCC ATT A/int fluorescein T/G CAT AAC C -3' (16mer)
Int-TMR-oligo 3	5'-/Phosphorylation/CCC ATT A/int TAMRA T/G CAT AAC C -3' (16mer)
Oligo 4	5'-/Phosphorylation/CAT ATG ACG GTT ATG CAT AAT GGG AAT CTC-3' (30mer)
Bubble-oligo 4	5'-/Phosphorylation/CAT ATG ACG GTT TCT TTC AAT GGG AAT CTC-3' (30mer)
Oligo 5	5'-/Phosphorylation/GTC ATA TGC CGC CTC TGA CCT TCC TAG AAT TCC ATC C-3' (37mer)
Oligo 5A	5'-/Phosphorylation/GTC ATA TGC CGC CTC TG-3' (17mer)
Oligo 6	5'-GGA TGG AAT TCT AGG AAG GTC AGA GGC GG-3' (29mer)
FAM-oligo 6	5'-/FAM/GGA TGG AAT TCT AGG AAG GTC AGAGGC GG-3' (29mer)
Oligo 6A	5'-CAG AGG CGG-3' (9mer)
FAM-oligo 6A	5'-/FAM/CAG AGG CGG-3' (9mer)