

Supplementary Table 1. DNA sequence of oligonucleotides used as substrates.

Name	DNA sequence*	Strand†
CGF	5'-TCACGGGATCAATGTGTTCTTTCAGCTCCGGTCACGCTGACCAGGAATACC-3'	U
MGF	5'-TCACGGGATCAATGTGTTCTTTCAGCTCMGGTCACGCTGACCAGGAATACC-3'	U
TGF	5'-TCACGGGATCAATGTGTTCTTTCAGCTCTGGTCACGCTGACCAGGAATACC-3'	U
UGF	5'-TCACGGGATCAATGTGTTCTTTCAGCTCUGGTCACGCTGACCAGGAATACC-3'	U
G29F	5'-TCACGGGATCAATGTGTTCTTTCAGCTCOGGTCACGCTGACCAGGAATACC-3'	U
MCGF	5'-TCACGGGATCAATGTGTTCTTTCAGCTMCGGTCACGCTGACCAGGAATACC-3'	U
TCGF	5'-TCACGGGATCAATGTGTTCTTTCAGCTTCGGTCACGCTGACCAGGAATACC-3'	U
UCGF	5'-TCACGGGATCAATGTGTTCTTTCAGCTUCGGTCACGCTGACCAGGAATACC-3'	U
CGR	3'-AGTGCCCTAGTTACACAAGAAAGTCGAGGCCAGTGCGACTGGTCCTTATGG-5'	L
AGR	3'-AGTGCCCTAGTTACACAAGAAAGTCGAGACCAGTGCGACTGGTCCTTATGG-5'	L
MGR	3'-AGTGCCCTAGTTACACAAGAAAGTCGAGGMCAGTGCGACTGGTCCTTATGG-5'	L
MCGR	3'-AGTGCCCTAGTTACACAAGAAAGTCGAGGCMAGTGCGACTGGTCCTTATGG-5'	L
C29R	3'-AGTGCCCTAGTTACACAAGAAAGTCGAGCCCAGTGCGACTGGTCCTTATGG-5'	L
CAGF	5'-TCACGGGATCAATGTGTTCTTTCAGCTCCAGGTCACGCTGACCAGGAATACC-3'	U
TAGF	5'-TCACGGGATCAATGTGTTCTTTCAGCTCTAGGTCACGCTGACCAGGAATACC-3'	U
UAGF	5'-TCACGGGATCAATGTGTTCTTTCAGCTCUAGGTCACGCTGACCAGGAATACC-3'	U
MAGF	5'-TCACGGGATCAATGTGTTCTTTCAGCTCMAGGTCACGCTGACCAGGAATACC-3'	U
CAGR	3'-AGTGCCCTAGTTACACAAGAAAGTCGAGGTCCAGTGCGACTGGTCCTTATGG-5'	L
MAGR	3'-AGTGCCCTAGTTACACAAGAAAGTCGAGGTMCAAGTGCGACTGGTCCTTATGG-5'	L
CXF	5'-TCACGGGATCAATGTGTTCTTTCATATACCTATAACGCTGACCAGGAATACC-3'	U
MXF	5'-TCACGGGATCAATGTGTTCTTTCATATAMTATAACGCTGACCAGGAATACC-3'	U
TXF	5'-TCACGGGATCAATGTGTTCTTTCATATATTATAACGCTGACCAGGAATACC-3'	U
UXF	5'-TCACGGGATCAATGTGTTCTTTCATATAUATAACGCTGACCAGGAATACC-3'	U
CXR	3'-AGTGCCCTAGTTACACAAGAAAGTATATGATATTGCGACTGGTCCTTATGG-5'	L

*M, 5-meC; O, 8-OG. Relevant regions are boxed.

†U, upper strand; L, lower strand.