

TABLE S1**Primer sequences used in this study**

Primer	Sequence
1	5'-AACATTTTGTGCAATAAAKCATCAAA-3'
2	5'-CCTTGTAATCCATCCAAGCTA-3'
3	5'-CCGAATTCAAGCTTTATATTATATCTTCGATTTT-3'
4	5'-GGCATTACGTATTAGTGAGTTG-3'
5	5'-CCTTCTACTTCATTCTCACTCT-3'
6	5'-AGCAAATATGTTGCACTATAAATG-3'
7	5'-CCTGATTTTCTTGATKTRTTATGG-3'
8	5'-GGGATAATTCTGAAGGAGAAAG-3'
9	5'-TATTCCAAGTTGTTGACACCCA-3'
10	5'-ACTGAAGTAGCCATCCAAAGAC-3'
11	5'-TCAACGAACACTCTCTTACTTAA-3'
12	5'-GCTCACTACACAATGCACATG-3'
13	5'-TCATGAAATGCATCGACAATTTAT-3'
14	5'-GCTAATCCAAAAGATTCCCTCCA-3'
15	5'-TGCAAAAAGCTGTCCCTCTTG-3'
16	5'-TTACGTTACGGTCTTCAACAG-3'
17	5'-AGAGGAGGATAACAAACTTGTAT-3'
18	5'-AACAGATACGTTGCACTATAACT-3'
19	5'-CCTAGTCCCCATTTCACTACA-3'
20	5'-GAACATGAGTTTACGTGAACCC-3'
21	5'-AGGCATCCTTCGAAATCCACA-3'
22	5'-TTGTAAAGTGCACCCATCATCT-3'
23	5'-CATTCGTCCCTAACGATGGACA-3'
24	5'-ATTCAGATCCTCCCGATGAATT-3'
25	5'-ATTCATTTTGGACCACAAGTTTAA-3'
26	5'-TGTTTTTTGCAGTTATCTTATTTCA-3'
27	5'-CAAGGGGAGACATTTAGG-3'
28	5'-AGACATTTTCATAGGCAAAATGTTA-3'
29	5'-AGCTGAAATATGAGATTGAAATTAG-3'
30	5'-ATTTTGCTATATCCACAATGACTT-3'
31	5'-CATTCTTTTTGGGACTGACTA-3'
32	5'-ATAAAWTGGGACRGAGGGAGTA-3'
Mse+0	5'-GACGATGAGTCCTGAGTAA-3'
Mse+N	5'-GACGATGAGTCCTGAGTAAN-3'