

**Table S1.** Oligo sequence used in this study.

Name	Sequence (5'-3')
Mut-1	AGTCCTATGCAGTTAATCTCGC
Mut-2	ACAGGCATACGACCGCTTATCCA
Mut-3	GGTCTTAAUTAGAGCGGAATAGTCAAGAGG
Mut-4	GGCATTAAUATTTGGGATCTGTGGTGGAG
Mut-5	GGACTTAAUAGAGCCATACTCCATCAGACG
Mut-6	GGGTTTAAUTAGCCCTGCCTGGTTAGAC
Mut-7	AGTCGCGTTGGCGTTGTTATAC
Mut-8	GCCTTCATCATTCTCACTGC
HygRt	ATCGAAGCTGAAAGCACGAG
HygFt	GGCAATTTTCGATGATGCAGC
HygR	AGCTGCGCCGATGGTTTCTACAA
HygF	GCGCGTCTGCTGCTCCATACAA
hTubF	AGCGGTGACAAGTACGTTCC
hTubR	ACCCTTAGCCCAGTTGTTAC
qTubF	AGCGGTGACAAGTACGTTCC
qTubR	ACCCTTAGCCCAGTTGTTAC
q28SF	TTATAGCCGAGGGTGCAATG
q28SR	TTTCAAGACGGGTCGCTTAC
qH3F	AGGCTCCCCGTAAGCAGCTCGC
qH3R	CGACATGAGGCGGAACCTTACCGG
qMut3F	AGTTGCAGCTGCGTACGATG
qMut3R	ACCAAATTGCCGAGACCACG