

Supplementary Table 1. Sequences downstream of the U6 or tRNA promoter. Sense mutations are indicated in lower cases.

| | |
|---------|--|
| mh21 | 5'-GTG CGt TGt TGG TGt tAA tCC TTC AAG AGA GGG TTG GCA CCA GCA GCG CAC TTT TT-3' |
| mh21-2 | 5'-GCC TTt AGG ATT AtA AGg TTC TTC AAG AGA GAA TCT TGT AAT CCT GAA GGC TTT TT-3' |
| mh50 | 5'-GCC TTt AGG ATT AtA AGg TTC AAA GTG tGC TGt TGG TGt CAA CtC TAT TCT TCA AGA GAG AAT AGG GTT GGC ACC AGC AGC GCA CTT TGA ATC TTG TAA TCC TGA AGG CTT TTT-3' |
| mh50-2 | 5'-GAT TTC GgG TtG TCT TgA TGT ATg GgT TTG gAG AgG AGt TGT TTC TGg GGT TCA AGA GAC CTC AGA AAC AGC TCT TCT TCA AAT CTA TAC ATT AAG ACG ACT CGA AAT CTT TTT-3' |
| mh100 | 5'-GAT TTC GgG TtG TCT TgA TGT ATg GgT TTG gAG AgG AGt TGT TTC TGg GGA GtC TTt AGG ATT AtA AGg TTC AAA GTG tGC TGt TGG TGt CAA CtC TAT TCT TCA AGA GAG AAT AGG GTT GGC ACC AGC AGC GCA CTT TGA ATC TTG TAA TCC TGA AGG CTC CTC AGA AAC AGC TCT TCT TCA AAT CTA TAC ATT AAG ACG ACT CGA AAT CTT TTT-3' |
| sh21c-A | 5'-GAA TCC CGG CTG CGT CCC AGT TAT ACA AGA GAC TGG GAC GCA GCC GGG ATT TTT-3' |
| sh21c-B | 5'-GCT GCG TCC CAG TTG GAC TTA TTC AAG AGA TAA GTC CAA CTG GGA CGC AGC TTT TT-3' |
| mh51 | 5'-AgG Att AAG CTt AAA CTt ACT CtA ATC tCG GtT GtG TCC tAG |

| | |
|----------|--|
| | TTG GgC TTA TTC AAG AGA TAA GTC CAA CTG GGA CGC AGC CGG GAT TGG AGT GAG TTT GAG CTT GGT CTT TTT-3' |
| mh20-HCV | 5'-GTC TtG TAG Att GTG tAT tAT AGA ATT ACA TCA AGG GAG ATT GAT GCA CGG TCT ACG AGA CTT TTT-3' |
| mh50-p53 | 5'-CAT tAC AtT GGA gGA tTC CAG TGG TgA TCT AtT GGG gCG GAg tAG CTT TGG TGT GCT GTC CCA AAG CTG TTC CGT CCC AGT AGA TTA CCA CTG GAG TCT TCC AGT GTG ATG TTT TT-3' |
| mh50-HCV | 5'-GAG TGt tCt GGG AGG TtT CGT AGA tCG TGt ATC gTG AGt ACA AgT tCT AAG TGT GCT GTC CTT AGG ATT TGT GCT CAT GAT GCA CGG TCT ACG AGA CCT CCC GGG GCA CTC TTT TT-3' |

Supplementary Table 2. The sequence of RNA oligonucleotides. Mutations within the sense strand are indicated in lower cases.

| | |
|--|--|
| mutated sense strand of 50-bp dsRNA | 5'-GGG GCC UUu AGG AUU AuA AGg UUC AAA GUG uGC UGu UGG UGu CAA CuC UAU UCU U-3' |
| antisense strand of 50-bp dsRNA | 5'-GGG GAG AAU AGG GUU GGC ACC AGC AGC GCA CUU UGA AUC UUG UAA UCC UGA AGG C-3' |