Table S2.

RNA oligonucleotides. EDC = treated with EDC to generate >p from oligonucleotides ending in 2’/3’-monophosphate.

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| Name | Source | Sequence (5’ to 3’) | Description |
| C120-N20 | IDT, (EDC) | GGCGCGAAAUUAAUACGACUNNNNNNNNNNNNNNNNNNNN(2’/3’p; >p; 3’OH) | >p was produced from EDC treatment of 2’/3’p; 3’OH was obtained by dephosphorylation of 2’/3’P |
| C320-N20 | IDT, EDC | CGUCAGAAUGCCUACUUGAGNNNNNNNNNNNNNNNNNNNN>p | >p was produced from EDC treatment of 2’/3’p; 3’OH was obtained by dephosphorylation of 2’/3’P |
| N20-C220 | IDT | (5’OH)NNNNNNNNNNNNNNNNNNNNCACGCUGCCCGUAUGUAUAU |  |
| N20-C420 | IDT | (5’OH; 5’p)NNNNNNNNNNNNNNNNNNNNGAGUCCCUUGCCAUGCAACG |  |
| N20>P | IDT, EDC | NNNNNNNNNNNNNNNNNNNN>p | >p was produced from EDC treatment of 2’/3’p; |
| FITC-N20>p | IDT, EDC | /56FAM/-NNNNNNNNNNNNNNNNNNNN>p | >p was produced from EDC treatment of 2’/3’p; |
| N20A10 | IDT | NNNNNNNNNNNNNNNNNNNNAAAAAAAAAA |  |
| FITC-N20 | IDT | NNNNNNNNNNNNNNNNNNNN |  |
| 5H4 | IDT,EDC | CGUCAGAAUGCCUACUUGAGUUGAGUGACUAGUCGGGUUG>p | >p was produced from EDC treatment of 2’/3’p; |
| 3HF | IDT | AUGACCAGGGCGUUGGGGAACACGCUGCCCGU/36FAM/ |  |
| 5H4T1 | IDT, EDC | CCAUCCUCUAGUUG>p | >p was produced from EDC treatment of 2’/3’p; |
| 3H4T1 | IDT | AUACCCACACCACA/36FAM/ |  |
| H4\_splintG | IDT | GUGGUGUGGGUAUCAACUAGAGGAUGG |  |
| H4\_splintA | IDT | GUGGUGUGGGUAGAAUGCUAGAGGAUGG |  |
| H4\_min-P | IDT, EDC | CGUCAGAAUGCCUGUACGCGGGUUG>p | >p was produced from EDC treatment of 2’/3’p; |
| H4\_min-F | IDT | AUGACGACAC/36FAM/ |  |
| J4\_min-P | IDT, EDC | CGUCCGAAAUUCCGUACGCGGAACG>p | >p was produced from EDC treatment of 2’/3’p; |
| J4\_min-F | IDT | GAGGACGACAC/36FAM/ |  |
| 5-Rseq1>p | IDT, EDC | CGUCAGAAUGCCUACUUGAGCGGUGGAGGCGGCAGAAGUC>p | >p was produced from EDC treatment of 2’/3’p; |
| 3-Rseq1-FAM | IDT | GACGCUGGCCGGCGCAUGGUCACGCUGCCCGUAUGUAUAU/36-FAM/ |  |
| 5-Rseq2>p | IDT, EDC | GGCGCGAAAUUAAUACGACUGGUGGUAACGUGCUAGUGGU>p | >p was produced from EDC treatment of 2’/3’p; |
| 5-Rseq2\_shrt>p | IDT, EDC | GGCGCGGAAACGUGCUAGUGGU>p | >p was produced from EDC treatment of 2’/3’p; |
| 3-Rseq2-FAM | IDT | GAGGCGACUCGUGACAAAAAGAGUCCCUUGCCAUGCAACG/3-FAM/ |  |
| 3-Rseq2\_shrt-FAM | IDT | GAGGCGAAAGCCUUGCCAUGCAACG/36-FAM/ |  |
| 5-Rseq3>p | IDT, EDC | GGCGCGAAAUUAAUACGACUGUCAAGUAUAGCUUGGAGUU | >p was produced from EDC treatment of 2’/3’p; |
| 3-Rseq3-FAM | IDT | GCGGUUAGGAGGAGAUGAUAGAGUCCCUUGCCAUGCAACG/3-FAM/ |  |
| 5-Rseq4>p | IDT, EDC | CGUCAGAAUGCCUACUUGAGGGGCGCAGGAGAUGACGUGG>p | >p was produced from EDC treatment of 2’/3’p; |
| 3-Rseq4-FAM | IDT | ACGUCACACGGUUGGGUUGUCACGCUGCCCGUAUGUAUAU/36-FAM/ |  |