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	<b>5'rAppCTGTAGGCACCATCAAT/3ddC/ 3'</b>
<b>RS-1 (RT Primer)</b>	<i>/5Phos/AGATCGGAAGAGCGTCGTGTAGGGAAAGAGTGTAGATCTCGGTGGTCGC/iSp18/CACTCA /iSp18/TTCAGACGTGTGCTCTTCCGATCTATTGATGGTGCCTACAG</i>
<b>RS-F (FW primer)</b>	<i>AATGATACGGCGACCACCGAGATCTACAC</i>
<b>RS-R-1</b>	<i>CAAGCAGAAGACGGCATAACGAGAT<u>AGTCGT</u>GTGACTGGAGTTCAGACGTGTGCTCTTCCG</i>
<b>RS-R-2</b>	<i>CAAGCAGAAGACGGCATAACGAGAT<u>ACTGAT</u>GTGACTGGAGTTCAGACGTGTGCTCTTCCG</i>
<b>RS-R-3</b>	<i>CAAGCAGAAGACGGCATAACGAGAT<u>ATGCTG</u>GTGACTGGAGTTCAGACGTGTGCTCTTCCG</i>
<b>RS-R-4</b>	<i>CAAGCAGAAGACGGCATAACGAGAT<u>ACGTCC</u>GTGACTGGAGTTCAGACGTGTGCTCTTCCG</i>
<b>RS-R-5</b>	<i>CAAGCAGAAGACGGCATAACGAGAT<u>AGCTGC</u>GTGACTGGAGTTCAGACGTGTGCTCTTCCG</i>
<b>RS-R-6</b>	<i>CAAGCAGAAGACGGCATAACGAGAT<u>ATCGTA</u>GTGACTGGAGTTCAGACGTGTGCTCTTCCG</i>
<b>RS-R-7</b>	<i>CAAGCAGAAGACGGCATAACGAGAT<u>TGGTCA</u>GTGACTGGAGTTCAGACGTGTGCTCTTCCG</i>
<b>RS-R-8</b>	<i>CAAGCAGAAGACGGCATAACGAGAT<u>CACTGT</u>GTGACTGGAGTTCAGACGTGTGCTCTTCCG</i>
<b>RS-R-9</b>	<i>CAAGCAGAAGACGGCATAACGAGAT<u>ATTGGC</u>GTGACTGGAGTTCAGACGTGTGCTCTTCCG</i>
<b>RS-R-10</b>	<i>CAAGCAGAAGACGGCATAACGAGAT<u>GATCTG</u>GTGACTGGAGTTCAGACGTGTGCTCTTCCG</i>
<b>RS-R-11</b>	<i>CAAGCAGAAGACGGCATAACGAGAT<u>TCAAGT</u>GTGACTGGAGTTCAGACGTGTGCTCTTCCG</i>
<b>RS-R-12</b>	<i>CAAGCAGAAGACGGCATAACGAGAT<u>CTGATC</u>GTGACTGGAGTTCAGACGTGTGCTCTTCCG</i>

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**Supplemental table 1.** Linker and Primers used for 2'-O-Methylation-seq library preparation