**Table S3 Primers used for SsOLV4 cDNA amplification and sequencing**

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| **Primer** | **Primer sequence (5’→3’)** | **Position** |
| OMFA | GGGGGTGTCCTTACGGACTCTG | 1-22 |
| T7-OMFA | **TAATACGACTCACTATA**GGGGGTGTCCTTACGGACTCTG | 1-22 |
| OMF | AAGGTGCCGCCAAGTCA | 676-692 |
| OMF1 | GAACTGGCTGACTTTGGTATCG | 1227-1248 |
| OMF2 | GGTACCAGTAGAGGTGACCTTGT | 1896-1918 |
| OMF3 | TATCGGAAATGTACGGTCTGTCG | 2644-2666 |
| OMR2 | ACGAATACCGTCTCCTTCAACTAC | 767-744 |
| OMR | GGCTTACCCGAGGAATGAAC | 1411-1392 |
| OMR1 | AAGCGTTATTCGTTACTACCATCC | 2154-2131 |
| OMRA | GGGGGTTACCTCCAACGGTACC | 2892-2871 |
| OMRA-Ham | GACTATAGGAATTCCTTTCCTATAGTTTCGTCCTCACGGACTCATCAGACGCTTAACAACTAGTCGC  GGGGGTTACCTCCAACGGTAC | 2892-2871 |
| M13(+) | GGTTTTCCCAGTCACGACGTTG |  |

Nucleotides bolded represent the T7 promoter sequence.

Nucleotides underlined in the OMRA-Ham primer represent hammerhead ribozyme sequence.