**S2 Table. Recovery of D4 derived viruses (Vero cell DNA transfection)**

|  |  |  |  |
| --- | --- | --- | --- |
| Virus | Titer following transfectiona  (log10pfu/mL) | Titer of working stockb  (log10pfu/mL) | Presence of miRNA targetsc |
| D4 (wt) | 7.4 | 7.9 | N/A |
| D4-184 | 7.1 | 7.7 | + |
| D4-275 | 7.2 | 7.7 | + |
| D4-275-184 | 6.4 | 7.4 | + |
| D4-275x2 | 6.6 | 7.4 | + |
| D4-E | 7.2 | 7.8 | + |
| D4-E\* | 7.2 | 7.8 | + |
| D4-E\*\* | 7.6 | 7.5 | + |
| D4-E-NCR1 | 6.2 | 7.5 | + |
| D4-E-NCR2 | 5.6 | 7.2 | + |

a Titers were determined 5 days post-transfection.

b Viruses were purified by one-step terminal dilution and experimental virus stocks were prepared by two consecutive passages in Vero cells, followed by titration of viruses in Vero cells.

c Complete genomes of biologically cloned viruses were sequenced to ensure genetic integrity.

N/A - not applicable.