

## Supplementary Table 1

**Table S1 Primers used in this study**

|                     | Gene             | Foward primer (5'-3')   | Reverse primer (5'-3')     |
|---------------------|------------------|-------------------------|----------------------------|
| Sequences of sgRNA  | IRF7 (C)         | GGTCGTCGTTGCACTTGGAG    | CCTCCAAGTGCAACGACGACC      |
|                     | IFNAR1 (C)       | ACCCTAATGTGGAACCTACAC   | TGGGATTACACCTTGATGTG       |
| Primers for cloning | IRF7 (C)         | GGATCCATGGCAGCACTGGACA  | CTCGAGTCAGTCTGTCTGCATGTGGT |
|                     | IRF1 (D)         | GGATCCATG CCCGTCTCCAG   | CTCGAGTTACAACCACAGGAGA     |
| Primers for qPCR    | GAPDH (C)        | GCCATCACAGCCACACAGA     | TTTCCCCACAG CCTTAGCA       |
|                     | VIPERIN(C)       | TCGTTCTGCCTCTGCTCTCCTG  | TTGTAGTTGCACTGCCTGGTGAAG   |
|                     | IFIT5 (C)        | CACCAGCTAGGACTCTGCTACCG | CCTCCGCATACATC CTTGCCAAG   |
|                     | CMPK2 (C)        | ATCGGTGCTGGACATCCTGGAG  | GCAAGCTGG CGGAGACCTTAAC    |
|                     | IRF1 (C)         | AAGGAGCAGGACGGCGAGATC   | ACGGTGT CCAGCCAGGAGAAG     |
|                     | IFN- $\beta$ (C) | AGATGGCTCCCAGCTCTACA    | AGTGGTTGAGCTGGTTG AGG      |
|                     | IRF7 (C)         | ACACTCCCACAGACAGTACTGA  | TGTGTGTGCCCACAGGGTTG       |
|                     | DTMUV-E          | CGCTGAGATGGAGGATTATGG   | ACTGATTTTGGTGG CGTG        |

Note: C, Chicken; D, Duck