

Table S1 Primers and PCR conditions for the HA and NA regions

| Name | Sequence (5'-3') | Annealing temperature (°C) |
|-----------|--------------------------------------|----------------------------|
| H1N1-HA-F | AGCAAAAGCAGGGGAAAATAAAAGC | 55 |
| H1N1-HA-R | CCTACTGCTGTGAAGTGTGTATTC | |
| H1N1-NA-F | AGCAAAAGCAGGAGTTTAAAATG | 55 |
| H1N1-NA-R | CCTATCCAAACACCATTGCCGTAT | |
| H3N2-HA-F | TGCATCACTCCAAATGGAAGCATT | 55 |
| H3N2-HA-R | ATATCGTCTCGTATTAGTAGAAACAAGGGTGTTTT | |
| H3N2-NA-F | CATGCGATCCTGACAAGTGTTATC | 55 |
| H3N2-NA-R | ATATGGTCTCGTATTAGTAGAAACAAGGAGTTTTTT | |
| IBV-HA-F | ATAGGAAATTGCCCAATATGGGT | 55 |
| IBV-HA-R | CGTTTCTTTGTAATGATGACAAG | |
| IBV-NA-F | ACTTATTTGGACACCCCCAGACC | 55 |
| IBV-NA-R | AGTAGTAACAAGAGCATTTTTTCAGA | |