Table S4: Genetic similarity of nucleotide sequences and amino acid sequences for the coding region of the ORF3 (%) between the IBT/VN/2018 and other reference sequences.

| Strain                     | Nucleotide sequence (%) | Amino acid sequence (%) |
|----------------------------|-------------------------|-------------------------|
| CV777/Belgium/AF3353511 96.5 | 97.7                    |
| DR13/Korea/JQ023161 96.5  | 97.7                    |
| DR13/Korea/JQ023162 89.4   | 90.6                    |
| GER/2014/LM645057 95.7     | 96.8                    |
| GER/2015/LT898435 95.5     | 96.8                    |
| GER/LT906582 96.1          | 95.5                    |
| France/2014/KR011756 95.7  | 96.8                    |
| Belgium/2015/KR003452 95.5 | 96.4                    |
| USA/2013/KF468752 95.8     | 97.3                    |
| IA1/USA/2013/KF468753 95.8 | 97.3                    |
| IA2/USA/2013/KF468754 95.8 | 97.3                    |
| USA/2013/KJ645704 95.8     | 97.3                    |
| USA/2013/KJ645635 95.8     | 97.3                    |
| USA/2013/KU893861 95.8     | 97.3                    |
| USA/2014/KJ645702 95.5     | 96.8                    |
| JPN/2013/LC063814 95.8     | 97.3                    |
| JPN/2014/LC063813 95.7     | 97.3                    |
| Korea/2001/MF737355 96.4   | 98.2                    |
| Korea/2013/KJ662670 95.7   | 96.8                    |
| Korea/2014/KR873431 95.8   | 97.3                    |
| Korea/2014/KM403155 95.7   | 96.8                    |
| Korea/2016/KY963963 95.7   | 96.8                    |
| JS2008/CN/KC109141 89.1    | 90.1                    |
| GD1/CN/2011/JX647847 98.2  | 99.1                    |
| GDA/CN/2012/JX112709 98.5  | 99.1                    |
| SDM/CN/2012/JX560761 89.4  | 90.6                    |
| CN/2014/KU252649 95.8      | 97.3                    |
| CN/2016/MF462814 93.7      | 94.6                    |
| CN/2017/MF375374 95.7      | 97.3                    |
| CH hubei/CN/2016/KY928065 99.4 | 99.1                  |
| CBR1/Thailand/2014/KR610993 98.6 | 96.8               |
| KCHY/VN/2013/KJ960180 98.5 | 99.1                    |
| VAP/VN/2013/KJ960178 98.6  | 99.5                    |
| JFP/VN/2013/KJ960179 98.6  | 99.5                    |
| CV777/CN/KT323979 89.1     | 90.1                    |
| AJ1102/CN/JX188454 98.9    | 100.0                   |