

## Electronic Supplementary Material

## Pathogenic Characterization and Full Length Genome Sequence of a Reassortant Infectious Bursal Disease Virus Newly Isolated in Pakistan

Altaf Hussain<sup>1,2#</sup>, Tiantian Wu<sup>1,2#</sup>, Hui Li<sup>1,2</sup>, Linjin Fan<sup>1,2</sup>, Kai Li<sup>1</sup>, Li Gao<sup>1,2</sup>, Yongqiang Wang<sup>1,2</sup>, Yulong Gao<sup>1,2</sup>, Changjun Liu<sup>1</sup>, Hongyu Cui<sup>1</sup>, Qing Pan<sup>1</sup>, Yanping Zhang<sup>1</sup>, Asim Aslam<sup>4</sup>, Khan Muti-Ur-Rehman<sup>4</sup>, Muhammad Munir<sup>5</sup>, Salman Latif Butt<sup>6</sup>, Xiaomei Wang<sup>1,2,3✉</sup>, Xiaole Qi<sup>1,2✉</sup>

1. Division of Avian Infectious Diseases, State Key Laboratory of Veterinary Biotechnology, Harbin Veterinary Research Institute, the Chinese Academy of Agricultural Sciences, Harbin 150069, China
2. OIE Reference Laboratory for Infectious Bursal Disease, Harbin 150069, China
3. Jiangsu Co-innovation Centre for Prevention and Control of Important Animal Infectious Disease and Zoonoses, Yangzhou 225009, China
4. Pathology Department, University of Veterinary and Animal Sciences, Lahore 54660, Pakistan
5. Division of Biomedical and Life Sciences, Faculty of Health and Medicine, Lancaster University, Lancaster LA1 4YG, United Kingdom
6. Department of Pathology, College of Veterinary Medicine, University of Georgia, Atlanta 30602, USA

Supporting information to DOI: /10.1007/s12250-019-00082-8

**Table S1** Orientation and position of the virus-specific sequences of the primers.

Name	Sequence (5'-3')	Orientation	Position (nt) <sup>a</sup>
A628U	CCTCAGCTTACCCACATC	Sense	A: 628-645
A1540L	CCTTCCCAATTGCATGG	Antisense	A: 1540-1557
AU	GGATACGATCGGTCTGACCCCGGGGGAGTC	Sense	A: 1-30
A1542L	GTAGTCTACACCTTCCCAATTGCAT	Antisense	A: 1542-1567
A1421U2	GACCTCAACTCTCCCCTGAAGATTGCAGGAG	Sense	A: 1421-1451
AL2	GGGGACCCGCGAACGGATCCAATTTGGGATGTTG	Antisense	A: 3227-3260
BU	GGATACGATGGGTCTGACCCTCTGGGA	Sense	B: 1-27
B1344L	TCTAGGTCAATTGAGTACCAC	Antisense	B: 1344-1364
B1344U	GTGGTACTCAATTGACCTAGA	Sense	B: 1344-1364
BL	ttGGGGGCCCCCGCAGGCGAAGGCCGGGGATA	Antisense	B: 2798-2827

<sup>a</sup> The positions where the primers bind are in accordance with the published sequence of IBDV strain Gx (GenBank accession nos: AY444873 and AY705393).