Table S1. Primers used for amplification of full-length genomic cDNA of NDV HB strain.

Primers	sequence (5′-3′)	Size(bp)
FragmentA-F	ACCAAACAGAGAATCTGTGAGGTACGATAAAAGG	2913
FragmentA-R	CAGACTTAATTAATTCAGAGGGGTGCTGCACCGGTTG	
FragmentB-F	CTGAATTAATTAAGTCTGCCACTGCAAGCGGGCC	1681
FragmentB-R	GATACGCGTAGAAGGTTCGGAGCCCATATTG	
FragmentC-F	CTACGCGTATCCCAGCACCTCTGATGCTG	3479
FragmentC-R	GACAATAAGCTTTATTGGTCTTGACAAC	
FragmentD-F	CAATAAAGCTTATTGTCTTAG	3711
FragmentD-R	CTGCTAGCGTCAGCGAGCAC	
FragmentE-F	GACGCTAGCAGATTATGCCC	3456
FragmentE-R	ACCAAACAGAGATTTGGTGAATGACATAAC	

Table S2. Primers used for identify the F protein cleavage site sequence.

Primers	sequence (5′-3′)	Size(bp)
Forward primer	CCCGAATCACCATTACACCAG	1005
Reverse primer	CCCGACTGAGGGCAAATTC	

Table S3. Primers for identifying three knocked-out restriction sites within the L gene.

Primers	sequence (5′-3′)	Size(bp)
MluI-F	TTAAGGATGGTAACCTCAAA	1078
MluI-R	CGAAGCAAACCTTACTCAGTG	
KpnI+HindIII-F	GGTGTGCAAGACATGGGAAC	910
KpnI+HindIII-R	GACCGAATGACTGTGTCAATG	

The full-length genome sequence of the HB strain.

accaaacagagaatctgtgaggtacgataaaaggcgaagaagcaatcgagatcgtacgggtagaaggtgtgaaccccgagcgcgaggccgaag
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