

Avian infectious bronchitis virus, complete genome

NCBI Reference Sequence: NC_001451.1

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LOCUS NC_001451 27608 bp ss-RNA linear VRL 13-AUG-2018

DEFINITION Avian infectious bronchitis virus, complete genome.

ACCESSION NC_001451

VERSION NC_001451.1

DBLINK BioProject: [PRJNA485481](#)

KEYWORDS RefSeq.

SOURCE Infectious bronchitis virus

ORGANISM [Infectious bronchitis virus](#)

Viruses; Riboviria; Orthornavirae; Pisuviricota; Pisoniviricetes;
Nidovirales; Cornidovirineae; Coronaviridae; Orthocoronavirinae;
Gammacoronavirus; Igacovirus.

REFERENCE 1 (bases 529 to 20417)

AUTHORS Ziebuhr,J., Snijder,E.J. and Gorbalenya,A.E.

TITLE Virus-encoded proteinases and proteolytic processing in the
Nidovirales

JOURNAL J. Gen. Virol. 81 (Pt 4), 853-879 (2000)

PUBMED [10725411](#)

REFERENCE 2 (bases 529 to 20417)

AUTHORS Brierley,I., Bournsnel,M.E., Binns,M.M., Bilimoria,B., Blok,V.C.,
Brown,T.D. and Inglis,S.C.

TITLE An efficient ribosomal frame-shifting signal in the
polymerase-encoding region of the coronavirus IBV

JOURNAL EMBO J. 6 (12), 3779-3785 (1987)

PUBMED [3428275](#)

REFERENCE 3 (bases 1 to 27608)

AUTHORS Bournsnel,M.E., Brown,T.D., Foulds,I.J., Green,P.F., Tomley,F.M.
and Binns,M.M.

TITLE Completion of the sequence of the genome of the coronavirus avian
infectious bronchitis virus

JOURNAL J. Gen. Virol. 68 (Pt 1), 57-77 (1987)

PUBMED [3027249](#)

REFERENCE 4 (sites)

AUTHORS Bournsnel,M.E., Binns,M.M. and Brown,T.D.

TITLE Sequencing of coronavirus IBV genomic RNA: three open reading
frames in the 5' 'unique' region of mRNA D

JOURNAL J. Gen. Virol. 66 (Pt 10), 2253-2258 (1985)

PUBMED [2995560](#)

REFERENCE 5 (sites)

AUTHORS Binns,M.M., Bournsnel,M.E., Cavanagh,D., Pappin,D.J. and
Brown,T.D.

TITLE Cloning and sequencing of the gene encoding the spike protein of
 the coronavirus IBV
 JOURNAL J. Gen. Virol. 66 (Pt 4), 719-726 (1985)
 PUBMED [2984314](#)
 REFERENCE 6 (sites)
 AUTHORS Bournsnell,M.E., Binns,M.M., Foulds,I.J. and Brown,T.D.
 TITLE Sequences of the nucleocapsid genes from two strains of avian
 infectious bronchitis virus
 JOURNAL J. Gen. Virol. 66 (Pt 3), 573-580 (1985)
 PUBMED [2983001](#)
 REFERENCE 7 (sites)
 AUTHORS Bournsnell,M.E. and Brown,T.D.
 TITLE Sequencing of coronavirus IBV genomic RNA: a 195-base open reading
 frame encoded by mRNA B
 JOURNAL Gene 29 (1-2), 87-92 (1984)
 PUBMED [6092234](#)
 REFERENCE 8 (sites)
 AUTHORS Bournsnell,M.E., Brown,T.D. and Binns,M.M.
 TITLE Sequence of the membrane protein gene from avian coronavirus IBV
 JOURNAL Virus Res. 1 (4), 303-313 (1984)
 PUBMED [6099661](#)
 REFERENCE 9 (bases 1 to 27608)
 CONSRTM NCBI Genome Project
 TITLE Direct Submission
 JOURNAL Submitted (09-SEP-2004) National Center for Biotechnology
 Information, NIH, Bethesda, MD 20894, USA
 COMMENT VALIDATED [REFSEQ](#): This record has undergone validation or
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 Bases 25322-26092 are found in Gene 29, 87-92 (1984). These data
 kindly submitted in computer readable form by: David Cavanagh
 Molecular Biology Animal Health Institute Compton Nr.
 Newbury, Berkshire RG16 ONNUK
 Phone: 44 635 578411 x504
 Email: cavanaghd@uk.ac.afrc.irad
 Fax: 44 635 579003.
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