

Influenza B virus (B/Lee/1940) segment 8, complete sequence

NCBI Reference Sequence: NC_002211.1

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LOCUS NC_002211 1096 bp cRNA linear VRL 13-AUG-2018
DEFINITION Influenza B virus (B/Lee/1940) segment 8, complete sequence.
ACCESSION NC_002211
VERSION NC_002211.1
DBLINK BioProject: [PRJNA485481](#)
KEYWORDS RefSeq.
SOURCE Influenza B virus (B/Lee/1940)
ORGANISM [Influenza B virus \(B/Lee/1940\)](#)
Viruses; Riboviria; Orthornavirae; Negarnaviricota;
Polyploviricotina; Insthoviricetes; Articulavirales;
Orthomyxoviridae; Betainfluenzavirus.
REFERENCE 1 (bases 1 to 1096)
AUTHORS Briedis,D.J. and Lamb,R.A.
TITLE Influenza B virus genome: sequences and structural organization of RNA segment 8 and the mRNAs coding for the NS1 and NS2 proteins
JOURNAL J. Virol. 42 (1), 186-193 (1982)
PUBMED [6283137](#)
REFERENCE 2 (bases 6 to 150)
AUTHORS Air,G.M. and Hackett,J.A.
TITLE Gene 8 of influenza virus: sequences of cDNA transcribed from the 3' ends of viral RNA of influenza A and B strains
JOURNAL Virology 103 (2), 291-298 (1980)
PUBMED [7385583](#)
REFERENCE 3 (bases 1 to 1096)
CONSRM NCBI Genome Project
TITLE Direct Submission
JOURNAL Submitted (12-JUN-2000) National Center for Biotechnology Information, NIH, Bethesda, MD 20894, USA
COMMENT PROVISIONAL [REFSEQ](#): This record has not yet been subject to final NCBI review. The reference sequence is identical to [J02096](#). No antigenicity (sub-type) specified. viral RNA sequence determined by analysis of fragments of cDNA (synthesized with polyadenylated vRNA) cloned (pbn27) in pbr322. NS-2 mRNA sequence determined by analysis of cDNA fragment (from above clone) primer. Coding regions and introns assigned by consideration of open reading frames, comparison of predicted MW with experimentally determined MW, comparison to the coding regions of segment 8 in other influenza strains and consideration of consensus splice sites. The influenza genome is single-stranded RNA, and minus-stranded. The sequence reported below is the + strand.

COMPLETENESS: full length.

FEATURES	Location/Qualifiers
source	1..1096 /organism="Influenza B virus (B/Lee/1940)" /mol_type="viral cRNA" /strain="B/Lee/1940" /db_xref="taxon: 518987 " /segment="8"
<u>gene</u>	43..1066 /gene="NEP"
	/locus_tag="FLUBVsRNA-8gp2" /gene_synonym="NS2" /db_xref="GeneID: 26824007 "
<u>CDS</u>	join(43..75,731..1066) /gene="NEP" /locus_tag="FLUBVsRNA-8gp2" /gene_synonym="NS2" /codon_start=1 /product="nonstructural protein NS-2" /protein_id=" NP_056665.1 " /db_xref="GeneID: 26824007 " /translation="MADNMTTQIEWRMKKMAIGSSTHSSVLMKDIQSQFEQLKLRW ESYPNLVKSTDYHQKRETIRLATEELYLLSKRIDD SILFHKTVIANSSIIADMIVSLS LLETLYEMKDVVEVYSRQCL"
<u>gene</u>	43..888 /gene="NS1"
	/locus_tag="FLUBVsRNA-8gp1" /db_xref="GeneID: 26824008 "
<u>CDS</u>	43..888 /gene="NS1" /locus_tag="FLUBVsRNA-8gp1" /codon_start=1 /product="nonstructural protein NS-1" /protein_id=" NP_056666.1 " /db_xref="GeneID: 26824008 " /translation="MADNMTTQIEVGPGATNATINFEAGILECYERFSWQRALDY PG QDRLHRLKRKLESRIKTHNKSE PENKRM SLEERKAIGVKMMKVLLFMDPSAGIEGFEP YCVKNPSTS KCPNYDWTDYPPTPGKYLDDIEEEPVNDHPIEVVLRDMNNKDARQKIK DEVNTQKEGKFRLTIKRD IRNVLSLRVLVNGTFLKHPNGDKSLSTLHRLNAYDQNGGL VAKLVATDDRTVEDEKDGHRI LNSLFERFDEGHSKPIRAAETAVGVLSQFGQEHLSP EEGDN"

ORIGIN

1 cgccagaagca gaggattat ttagtcactg gcaaacggaa agatggcgga caacatgacc
61 acaacacaaa ttgaggtggg tccggggagca accaatgcc a ctataaactt tgaaggcagga

121 attctggagt gctatgaaag gtttcatgg caaagagccc ttgactatcc tggtaagac
181 cgcctacaca gactaaaacg aaaattagaa tcaagaataa agactcacaa caagagttag
241 cctgagaata aaaggatgtc tcttgaagag agaaaagcaa ttggggtaaa aatgatgaaa
301 gtgctctgt ttatggatcc ctctgctgga attgaagggt ttgagccata ctgtgtgaaa
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421 aagtaccttg atgacataga agaagagccg gaaaatgtcg atcacccaat tgaggtagta
481 ttaagggaca tgaacaataa agatgcacga caaaagataa aggatgaagt aaacactcag
541 aaagagggga aattccgttt gacaataaaaa agggatatac gtaatgtgtt gtccttgaga
601 gtgttgtga acggaacctt cctcaagcac cctaattggag acaagtcctt atcaactctt
661 catagattga atgcatatga ccagaatgga gggcttggat ctaaacttgt tgctactgt
721 gatcggacag tggaggatga aaaagatggc catcgatcc tcaactcaact cttcgagcgt
781 tttgatgaag gacattcaaa gccaattcga gcagctgaaa ctgcgggtgg agtcttatcc
841 caatttggtc aagagcaccg attatcacca gaagagggag acaattagac tggccacgg
901 agaactttat ctcttgagta aaagaattga tgatagtata ttgttccaca aaacagtaat
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1021 tgaaatgaag gatgtggttg aagtgtacag caggcagtgc ttatgaatgt aaaataaaaa
1081 tcctcttggtt actact