

Japanese encephalitis virus, genome

NCBI Reference Sequence: NC_001437.1

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LOCUS NC_001437 10976 bp ss-RNA linear VRL 24-MAY-2019

DEFINITION Japanese encephalitis virus, genome.

ACCESSION NC_001437

VERSION NC_001437.1

DBLINK BioProject: [PRJNA485481](#)

KEYWORDS RefSeq.

SOURCE Japanese encephalitis virus

ORGANISM [Japanese encephalitis virus](#)

Viruses; Riboviria; Orthornavirae; Kitrinoviricota;

Flasuviricetes;

Amarillovirales; Flaviviridae; Flavivirus.

REFERENCE 1 (bases 2478 to 3688)

AUTHORS Moureau,G., Cook,S., Lemey,P., Nougairede,A., Forrester,N.L.,
Khasnatinov,M., Charrel,R.N., Firth,A.E., Gould,E.A. and de
Lamballerie,X.

TITLE New insights into flavivirus evolution, taxonomy and biogeographic
history, extended by analysis of canonical and alternative coding
sequences

JOURNAL PLoS ONE 10 (2), E0117849 (2015)

PUBMED [25719412](#)

REMARK Publication Status: Online-Only

REFERENCE 2 (sites)

AUTHORS Melian,E.B., Hinzman,E., Nagasaki,T., Firth,A.E., Wills,N.M.,
Nouwens,A.S., Blitvich,B.J., Leung,J., Funk,A., Atkins,J.F.,
Hall,R. and Khromykh,A.A.

TITLE NS1' of flaviviruses in the Japanese encephalitis virus serogroup
is a product of ribosomal frameshifting and plays a role in viral
neuroinvasiveness

JOURNAL J. Virol. 84 (3), 1641-1647 (2010)

PUBMED [19906906](#)

REFERENCE 3 (bases 1 to 10976)

AUTHORS Sumiyoshi,H., Mori,C., Fuke,I., Morita,K., Kuhara,S., Kondou,J.,
Kikuchi,Y., Nagamatu,H. and Igarashi,A.

TITLE Complete nucleotide sequence of the Japanese encephalitis virus
genome RNA

JOURNAL Virology 161 (2), 497-510 (1987)

PUBMED [3686827](#)

REFERENCE 4 (bases 1 to 10976)

CONSRMT NCBI Genome Project

TITLE Direct Submission

JOURNAL Submitted (01-AUG-2000) National Center for Biotechnology Information, NIH, Bethesda, MD 20894, USA

COMMENT REVIEWED [REFSEQ](#): This record has been curated by NCBI staff. The reference sequence was derived from [M18370](#).
Truncated version of JEV polyprotein and NS1' protein have been added and annotated with the kind help of Dr. David Karlin(Department of Zoology, University of Oxford, UK) and Dr. Andrew Firth (Department of Pathology, University of Cambridge, UK).
Draft entry and computer-readable sequence for [1] kindly submitted
by H.Sumiyoshi, 31-AUG-1989.
COMPLETENESS: not full length.

FEATURES Location/Qualifiers

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CDS	96..10394 /gene="POLY" /locus_tag="JEVgpl" /note="JEV polyprotein; The (putative) mature peptides that were missing from the authors' annotation have been added by the NCBI staff with the kind help of Dr. Vladimir Yamshchikov (University of Kansas, Lawrence, KS USA)" /codon_start=1 /product="polyprotein" /protein_id=" NP_059434.1 " /db_xref="GeneID: 1489713 " /translation="MTKKPGGPGKNRAINMLKRGLPRVFPLVGKRVVMSLLDGRGPV RFVLALITFFKFTALAPTKALLGRWKAVEKSVAMKHLTSFKRELGTLLIDAVNKRGRKQ NKRGGNEGSIMWLASLAVVIAYAGAMKLSNFQGKLLMTINNTDIADVIVIPTSKGENR CWVRAIDVGYMCEDTITYECPKLTMGNDPEDVDCWCDNQEVYVQYGRCTRTRHRSR RSVSVQTHGESSLVNKKEAWLDSTKATRYLMKTENWIIRNPGYAFLAATLGWMLGSNN GQRVVFTILLLLVAPAYSFNCLGMGNRDFIEGASGATWVDLVLEGDSCLTIMANDKPT LDVRMINIEASQLAEVRSYCYHASVTDISTVARCPTTGEAHNEKRADSSYVCKQGFTD RGWNGCGLFGKGSIDTCAKFSCSKAIGRTIQPENIKYEVGIFVHGTTTSENHGNYS AQVGASQAAKFTITPNAPSITLKLGDYGEVTLDCPRSGLNTEAFYVMTVGSKSFLVH REWFHDLALPWTSPSPSTAWRNRELLMEFEEAHATKQSVVALGSQEGGLHQALAGAIVV EYSSSVKLTSGHLKCRCLKMDKLALKGTTYGMCTEKFSFAKNPADTGHGTVVIELSYSG

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