West Nile virus isolate CDCCZ2-21 envelope protein gene, partial cds

GenBank: KM212944.1

FASTA Graphics

Go to:

LOCUS KM212944 1504 bp RNA linear VRL 02-JUN-2015

DEFINITION West Nile virus isolate CDCCZ2-21 envelope protein gene, partial cds.

ACCESSION KM212944

VERSION KM212944.1

KEYWORDS .

SOURCE West Nile virus (WNV)

ORGANISM West Nile virus

Viruses; Riboviria; Orthornavirae; Kitrinoviricota; Flasuviricetes; Amarillovirales; Flaviviridae; Orthoflavivirus; Orthoflavivirus nilense.

REFERENCE 1 (bases 1 to 1504)

AUTHORS Lopez,R.H., Soto,S.U. and Gallego-Gomez,J.C.

TITLE Evolutionary relationships of West Nile virus detected in mosquitoes from a migratory bird zone of Colombian Caribbean

JOURNAL Virol. J. 12 (1), 80 (2015)

PUBMED 25989901

REMARK Publication Status: Online-Only

REFERENCE 2 (bases 1 to 1504)

AUTHORS Hoyos-Lopez,R., Uribe,S. and Gallego-Gomez,J.

TITLE Direct Submission

JOURNAL Submitted (18-JUL-2014) Facultad de Medicina, Universidad de Antioquia, Cra 51D #62-29, Medellin, Antioquia 05001000, Colombia

COMMENT ##Assembly-Data-START##

Sequencing Technology :: Sanger dideoxy sequencing

##Assembly-Data-END##

FEATURES Location/Qualifiers

source 1..1504

/organism="West Nile virus"

/mol_type="genomic RNA"

/isolate="CDCCZ2-21"

/host="Culex erraticus"

/db_xref="taxon:11082"

/geo_loc_name="Colombia"

/lat_lon="9.35 N 75.97 W"

/altitude="2 m"

/collection_date="25-Sep-2012"

CDS <1..>1504

/codon_start=1

/product="envelope protein"
/protein_id="AJW67514.1"

/translation="FNCLGMSNRDFLEGVSGATWVDLVLEGDSCVTIMSKDKPTIDVK

MMNMEAANLAEVRSYCYLATVSDLSTKAACPTMGEAHNDKRADPAFVCRQGVVDRGWG

NGCGLFGKGSIDTCAKFACSTKAIGRTILKENIKYEVAIFVHGPTTVESHGNYSTQAG

ATQAGRFSITPAAPSYTLKLGEHGEVTVDCEPRSGIDTNAYYVMTVGTKTFLVRREWF

MDLNLPWSSAGSTVWRNRETLMEFEEPHATKQSVIALGSQEGALHQALAGAIPVEFSS

NTVKLTSGHLKCRVKMEKLQLKGTTYGVCSKAFKFLGTPADTGHGTVVLELQYTGTDG

PCKVPISSVASLNDLTPVGRLVTVNPFVSVATANAKVLIELEPPFGDSYIVVGRGEQQ

INHHWHKSGSSIGKAFTTTLKGAQRLAALGDTAWDFGSVGGVFTSVGKAVHQVFGGAF

RSLFGGMSWITQGLLGALLLWMGINARDRSIALTFLAVGGVLLFLSVNVHA"

ORIGIN

```
        1 ttcaactgcc ttggaatgag caacagagac ttcttggaag gagtgtctgg agcaacatgg
       61 gtggatttgg ttctcgaagg cgacagctgc gtgactatca tgtctaagga caagcctacc
      121 atcgatgtga agatgatgaa tatggaggcg gccaacctgg cagaggtccg cagttattgc
      181 tatttggcta ccgtcagcga tctctccacc aaagctgcgt gcccgaccat gggagaagct
      241 cacaatgaca aacgtgctga cccagctttt gtgtgcagac aaggagtggt ggacaggggc
      301 tggggcaacg gctgcggact atttggcaaa ggaagcattg acacatgcgc caaatttgcc
      361 tgctctacca aggcaatagg aagaaccatc ttgaaagaga atatcaagta cgaagtggcc
      421 atttttgtcc atggaccaac tactgtggag tcgcacggaa actactccac acaggctgga
      481 gccactcagg cagggagatt cagcatcact cctgcggcgc cttcatacac actaaagctt
      541 ggagaacatg gagaggtgac agtggactgt gaaccacggt cagggattga caccaatgca
      601 tactacgtga tgactgttgg aacaaagacg ttcttggtcc gtcgtgagtg gttcatggac
      661 ctcaacctcc cttggagcag tgctggaagt actgtgtgga ggaacagaga gacgttaatg
      721 gagtttgagg aaccacacgc cacgaagcag tctgtgatag cattgggctc acaagaggga
      781 gctctgcatc aagctttggc tggagccatt cctgtggaat tttcaagcaa cactgtcaag
      841 ttgacgtcgg gtcatttgaa gtgtagagtg aagatggaaa aattgcagtt gaagggaaca
      901 acctatggcg tctgttcaaa ggctttcaag tttcttggga ctcccgcaga cacaggtcac
      961 ggcactgtgg tgttggaatt gcagtacact ggcacggatg gaccttgcaa agttcctatc
     1021 tcgtcagtgg cttcattgaa cgacctaacg ccagtgggca gattggtcac tgtcaaccct
     1081 tttgtttcag tggccacggc caacgctaag gtcctgattg aattggaacc acccttgga
     1141 gactcataca tagtggtggg cagaggagaa caacagatca atcaccattg gcacaagtct
     1201 ggaagcagca ttggcaaagc ctttacaacc accctcaaag gagcgcagag actagccgct
     1261 ctaggagaca cagcttggga ctttggatca gttggagggg tgttcacctc agttgggaag
     1321 gctgtccatc aagtgttcgg aggagcattc cgctcactgt tcggaggcat gtcctggata
     1381 acgcaaggat tgctgggggc tctcctgttg tggatgggca tcaatgctcg tgataggtcc
```

```
     1441 atagctctca cgtttctcgc agttggagga gttctgctct tcctctccgt gaacgtgcat
     1501 gctg
//
```