BLAST ®

Basic Local Alignment Search Tool

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Blast report description

Nucleotide Sequence (1938 letters)

RID	CN9VK2FG014 (Expires on 02-23 13:15 pm)		
Query ID	lcl|Query_108309	**Database Name**	nr
Description	None	**Description**	Nucleotide collection (nt)
Molecule type	nucleic acid	**Program**	BLASTN 2.3.1+
Query Length	1938		

⊟ Graphic Summary

Distribution of 2 Blast Hits on the Query Sequence
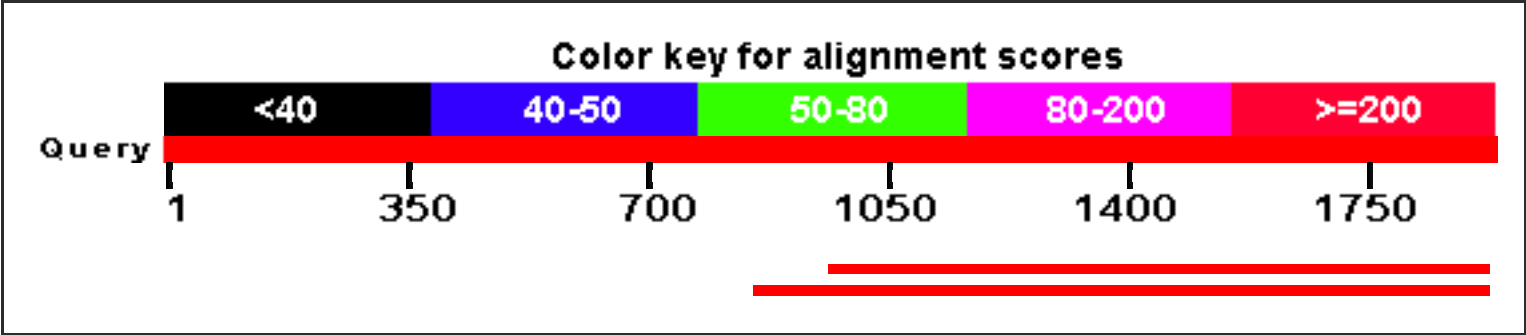
Descriptions

Sequences producing significant alignments:

Description	Max score	Total score	Query cover	E value	Ident	Accession
Culex Y virus isolate P1-BS2010 segment B, complete sequence	342	342	49%	1e-89	73%	JQ659255.1
Espirito Santo virus segment B, complete sequence	335	335	55%	2e-87	73%	JN589002.1

Alignments

Culex Y virus isolate P1-BS2010 segment B, complete sequence
Sequence ID: **gb|JQ659255.1|** Length: 3254 Number of Matches: 1
Range 1: 1176 to 2134

Score	Expect	Identities	Gaps	Strand	Frame
342 bits(185)	1e-89()	715/973(73%)	28/973(2%)	Plus/Minus	

Features:

```
Query   968   TTGTTTCTAAGCATGGACTGTATCGTGTTCCAGTGGTT-GGTGACATAGCTCTCCACTGT   1026
              ||||||| ||||||| ||  || || |||||||| |||  |||||||| ||| ||||||
Sbjct   2134  TTGTTTCGAAGCATAGAATCAATTGTGTTCCAATGGTTCAGGG-CGTATCCTTCGATGGT   2076

Query   1027  TTGTGCTATGCATGGGTACGCCCAGGCACCCACGTACAGTAGGGCAACGTTTTGAATGTA   1086
              ||| | |||||| | | ||| |||  ||| ||| ||| | | | |  ||| | ||||| |||
Sbjct   2075  CTGGGCTATACAGGGGTATGCCCACCCACCCACGTATAACAGTGCGACGTTCTGTATGTA   2016

Query   1087  TTTGTGCACCTGCTTCGCTATGTTCGA-CTGGAATGTGCTGCTTGGGGGTTGTGGGCATG   1145
              |||||| ||| | ||| |||||| ||  ||||| ||||| || ||| | ||||||||| |
Sbjct   2015  CCTGTGGACTTGTTTGGCTATGTGGGAGCT-GAAGGTGCTACTAGGAGGTTGTGGGCAGG   1957

Query   1146  CAATTGATTTGAACA-TCCTCTCTTTAGAGAGTACTGGAGTGTAACCATATTCCGTGTGT   1204
              |  ||||| | |||  ||| |   ||  |   |||| |  ||||| ||||| | |||||||
Sbjct   1956  CTATTGACTTAAACAATCGTTCCTTTGCCAAG-ACTGGGGTGAAACCATACTGAGTGTGT   1898

Query   1205  GTTACATCCCATCCTAACATATCCATTTCAACAATTGTTCTGGGTTCGACCCTATTGTTT   1264
              ||||||||| | ||  ||||| ||||| |||||| ||||||| |||    |||| |||| |
Sbjct   1897  GTTACATCCCACCCCAACATGTCCATGGAAACAATCGTTCTAGGCCTAATCCTATCCTCA   1838

Query   1265  GTTGGTATAGAGTGGTTGGAAGCCTCAATTAGTTTTTCCCTGAAGTTGTGAACGACCAGT   1324
              |   | |  | || | || |  | | |  | ||||| |||| ||| |  ||  |||| |||
Sbjct   1837  ACAGGGAGCGAGTGCTCCCTTGCCTCCAGTAGTTTCTTCTTGAATTCAGGCACCACTAGC   1778

Query   1325  TCAACTTTGAAGTCTATGCCTGTCATTGTTGCTAGTTTCTCTATAACTTCTGGG--GTTG   1382
              ||||||||||||||||| || |||   |  |   ||||||| | ||||    ||  ||
Sbjct   1777  TCAACTTTGAAGTCTATACCAGTTTCTGAGGAAAGCTTCTCAATAAC--CTGGGCTGTAG   1720

Query   1383  GTTGTGGTTTGCCAATCTCAGCCCATCTGTTCATTAAGATGGTGGTTAGTACATGGTTGT   1442
              || | ||| ||| | | | || | |||| |||||| || |||| | || ||||| || ||
Sbjct   1719  GTTTTGGTCGGCCCATGGCTCTCCACTTGTTCATTAGTATGGTTGTCAATACATGATTGT   1660

Query   1443  TTAGGAATGTCCAGGGGTTTCCACTTCCTTGTCCAGGGTTCTTTATCTGGAAGTTTTTTA   1502
              |||||| || || ||| || ||||  | |  || | ||||  | | |||||||| ||| |
Sbjct   1659  TTAGGAAAGTCCATGGGTTGCCACTCCCCTGACCTGGATTTTTAATCTGGAAGTTCTTCA   1600

Query   1503  GGATGCTTATTGAGTCCACTGTCATGTATGGTATAGCATA-A-AGGGATAGGTATGCCCA   1560
              ||| ||| ||||||  | || |  |   |   ||| ||||    |  || |||| ||||||
Sbjct   1599  AAATGCTTATAGAGTCCACAGTTGTGTAGGGTAT--CATATAGAGGGCCAGGTAAGCCCA   1542

Query   1561  CGTGTAATTGTATAGCGGGGTGCCCTGTGTTGAT-GTCCAACCTCTTGTCAGCAAGTACA   1619
              |||| | |||||||| ||| || ||  | || | |   |||||| |||||  | ||| |||
Sbjct   1541  CGTATAGTTGTATAG-TGGTACCCCTTCGTTGCTCGTCCACCCCCTAGTTAGCAAGTACA   1483

Query   1620  TGGCCATTGTCATCGCTACATCACGTGTGCAGTTGGCTTCACCCTTTGTTAAATCTATGC   1679
              | | | |||||| | || |  ||  ||| ||| ||||||||||| || ||  | ||||| |
Sbjct   1482  TTGCTGTTGTCATTGCAATGTCCCTGGTACAGTTGGCTTCACCCTTGGTGAGGTCTATAC   1423

Query   1680  TATACCATATGTC-T-TCGTTCGGATAGTATATGTAGGCATTGTCTGCGTATACTAGTTC   1737
              |||||| ||| |  | ||    |  |||| |||| |||||| || | ||||||| | ||||
Sbjct   1422  TATACCAGACATCCTCTC-TAGGGA-AGTACATATAGGCGTTATCTGCATACACCAGTTC   1365

Query   1738  CACAGTTTCTGTTGCATTGAGGATTATATTAATAAGAGCGTCCATCCCTCCCTGTGTTGG   1797
              || | || || | ||  |  |   |  |||  |||||||||| |||| ||  | || ||||
Sbjct   1364  TGTGATGTCGGTGGCTTCGAGAATGCGATTAACAAGAGCATCCATCCCCCCCTTGAGTTGG   1305
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Query  1798  AGAAAACTTTGATAGGGATGGGGTCCTGGTTT--T-GCAGTTCAGGACGTTCAGCATACG  1854
             ||||||||||||||||||||||||||  |  |||  | |||  || ||    ||| ||| |
Sbjct  1304  AGAAAACTTTGATAGGGATGGGGTA--GGTTCGCTAGAAGTG-AGAACATTGAGCATGCG  1248

Query  1855  CTTAGCTGGCTGGTCCGATATTGTAGA-CCCGATAAGGTGTGTGACATAGCTGGCACTCC  1913
             | | |||||||||||||||| ||| ||  ||||| | |||| ||||||||||| |||||
Sbjct  1247  CTTTGCTGGTTGGTCCGAGATAATTGATCCCAAT-AGATGCGTCACATAGCTTGCACTCC  1189

Query  1914  AAATGTTCCTAGT    1926
             |||||||||||||
Sbjct  1188  AAATGTTCCTAGT    1176
```

Espirito Santo virus segment B, complete sequence
Sequence ID: **gb|JN589002.1|** Length: 3250 Number of Matches: 1
Range 1: 1171 to 2241

Score	Expect	Identities	Gaps	Strand	Frame
335 bits(181)	2e-87()	791/1087(73%)	35/1087(3%)	Plus/Minus	

Features:

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Query  859   TGCATAGTCCTGTTCATGCATTGGTTTCTCT-AGGCTTAGCAGGCT-CATTACCTCACTG  916
             ||||| ||   ||| ||||||||||||| ||  | ||| |||  |  |||| ||||||
Sbjct  2241  TGCATAATTTTGCTCGTGCATTGGTTTC-CTGATG-TTAATTAGCTCCATGACCTCACGG  2184

Query  917   AACGGGCTAGTCTCGACCGCTTTGCTGATGGCTTTGTCCAGGTTGTA-CT--CTTTGTTT  973
             || |||||  | |  ||||| |||   |  | ||||| ||  | ||| ||   |||||||
Sbjct  2183  AATGGGCTCGTGTCAACAGCCTTCGTTAAGGCTTTCTCTAGGTCATAATTAGGGTTGTTT  2124

Query  974   CTAAGCATGGACTGTATCGTGTTCCAGTGGTT-GGTGACATAGCTCTCCACTGTTTGTGC  1032
             | |||||| || | |||  |||||||| |||| |   | |||  |   |||||| ||||
Sbjct  2123  CGAAGCATAGAATCAATTGTGTTCCAATGGTTCAGGG-CGTATCCTTCGATGGTTTGGGC  2065

Query  1033  TATGCATGGGTACGCCCAGGCACCCACGTACAGTAGGGCAACGTTTTGAATGTATTTGTG  1092
             ||| | ||||||| ||||| ||||||||||| | | |||  || |  | || | ||||||
Sbjct  2064  TATACAGGGGTATGCCCACCCACCCACGTATAACAGTGCGACGTCCTGTATGTACTTGTG  2005

Query  1093  CACCTGCTTCGCTATGTTCGA-CTGGAATGTGCTGCTTGGGGGTTGTGGGCATGCAATTG  1151
             || | | | |||| | ||    | |||  |||||| | | ||| ||||| || |  |||
Sbjct  2004  GACTTGTTTGGCTACGTGGGAGCT-GAAGGTGCTACTAGGAGGTTGTGGACAGGCTATTG  1946

Query  1152  ATTTGAACA-TCCTCTCTTTAGAGAGTACTGGAGTGTAACCATATTCCGTGTGTGTTACA  1210
             | ||| ||| |||| |    |  | ||| |||  |||| ||||| | || ||||||||||
Sbjct  1945  ACTTAAACAATCGTTCCTTTGCCAAG-ACTGGGGTGAAACCATACTGAGTGTGTGTTACA  1887

Query  1211  TCCCATCCTAACATATCCATTTCAACAATTGTTCTGGGTTCGACCCTATTGTTTGTTGGT  1270
             |||| | | ||||| || |   |||||| ||| |  | |   | || |  ||  ||  |
Sbjct  1886  TCCCACCCCAACATGTCCATGGAAACAATCGTTCTAGGCCTAATCCTATCCTCAACAGGG  1827

Query  1271  ATAGAGTGGTTGGAAGCCTCAATTAGTTTTTCCCTGAAGTTGTGAACGACCAGTTCAACT  1330
             |  |||| | || |  |||| |  ||| | || |||||||||| | |  |  ||| ||||
Sbjct  1826  AGCGAGTGCTCCCTTGCCTCCAGTAGTTTCTTCTTGAATTCAGGCACCACTAGCTCAACT  1767

Query  1331  TTGAAGTCTATGCCTGTCATTGTTGCTAGTTTCTCTATAACTTCTGGG--GTTGGTTGTG  1388
             |||||||||||  | ||| ||||||  |  ||| || | | ||    |  | |||||| |
Sbjct  1766  TTGAAGTCTATACCAGTTTCTGAGGAAAGCTTCTCAATAAC--CTGGGCTGTAGGTTTTG  1709

Query  1389  GTTTGCCAATCTCAGCCCATCTGTTCATTAAGATGGTGGTTAGTACATGGTTGTTTAGGA  1448
             || |||||||| | |  ||| | |||||| ||||||| || |||| |||| |||||||||
Sbjct  1708  GTCGGCCCATGGCTCTCCACTTGTTCATTAGTATGGTTGTCAATACATGATTGTTTAGGA  1649

Query  1449  ATGTCCAGGGGTTTCCACTTCCTTGTCCAGGGTTCTTTATCTGGAAGTTTTTTAGGATGC  1508
             | |||| | ||| |||||| |  |||| |||||| ||||| |||||||| |||| ||||
Sbjct  1648  AAGTCCATGGGTTGCCACTCCCCTGACCTGGATTTTTAATCTGGAAGTTCTTCAAAATGC  1589

Query  1509  TTATTGAGTCCACTGTCATGTATGGTATAGCATA-A-AGGGATAGGTATGCCCACGTGTA  1566
             ||||  |||||||| |  ||||| | ||| ||||   | ||  | ||||||| |||||||
Sbjct  1588  TTATAGAGTCCACAGTTGTGTAGGGTAT--CATATAGAGGGCCAGGTAAGCCCACGTATA  1531

Query  1567  ATTGTATAGCGGGGTGCCCTGTGTTGAT-GTCCAACCTCTTGTCAGCAAGTACATGGCCA  1625
             | |||||||  |||| |||  | ||| |  | | || |  |||  |||||||||| |  |
Sbjct  1530  GTTGTATAG-TGGTACCCCTTCGTTGCTCGTCCACCCCCTAGTTAGCAAGTACATTGCTG  1472

Query  1626  TTGTCATCGCTACATCACGTGTGCAGTTGGCTTCACCCTTTGTTAAATCTATGCTATACC  1685
             |||||||| | | ||| ||| |||| |||||||||||| |||| ||  | ||| ||||||
Sbjct  1471  TTGTCATTGCAATGTCCCTGGTACAGTTGGCTTCACCCTTGGTGAGGTCTATACTATACC  1412

Query  1686  ATATGTC-T-TCGTTCGGATAGTATATGTAGGCATTGTCTGCGTATACTAGTTCCACAGT  1743
             |  | |  |  | ||| ||| | |||||| | ||| || ||| ||||||| |||| ||
Sbjct  1411  AGACATCCTCTC-TAGGGA-AGTACATATAGGCGTTATCTGCATACACCAGTTCTGTGAT  1354

Query  1744  TTCTGTTGCATTGAGGATTATATTAATAAGAGCGTCCATCCCTCCCTGTGTTGGAGAAAA  1803
             || |   |   | |||| |  || || ||||| | ||||||  |||| ||| ||||||||
Sbjct  1353  GTCGGTGGCTTCGAGAATGCGATTAACAAGAGCATCCATCCCCCCTTGAGTTGGAGAAAA  1294

Query  1804  CTTTGATAGGGATGGGGTCCTGGTTT--T-GCAGTTCAGGACGTTCAGCATACGCTTAGC  1860
             ||||||||||||||||||  |  |||  | |||  || ||    ||| ||||| ||| ||
Sbjct  1293  CTTTGATAGGGATGGGGTA--GGTTCGCTAGAAGTG-AGAACATTGAGCATGCGCTTTGC  1237
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Query  1861  TGGCTGGTCCGATATTGTAGA-CCCGATAAGGTGTGTGACATAGCTGGCACTCCAAATGT  1919
             || |||||||||   | || | |||||  ||| ||| ||| ||||||| |||||||||||
Sbjct  1236  TGGTTGGTCCGAAACGATTGATCCCAAT-AGATGCGTCACATAGCTTGCACTCCAAATGT  1178

Query  1920  TCCTAGT  1926
             |||||||
Sbjct  1177  TCCTAGT  1171
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