



results of BLAST

BLASTN 2.2.9 [May-01-2004]

Reference:

Altschul, Stephen F., Thomas L. Madden, Alejandro A. Schäffer, Jinghui Zhang, Zheng Zhang, Webb Miller, and David J. Lipman (1997), "Gapped BLAST and PSI-BLAST: a new generation of protein database search programs", *Nucleic Acids Res.* 25:3389-3402.

RID: 1096573700-15934-119465761816.BLASTQ4

Query=

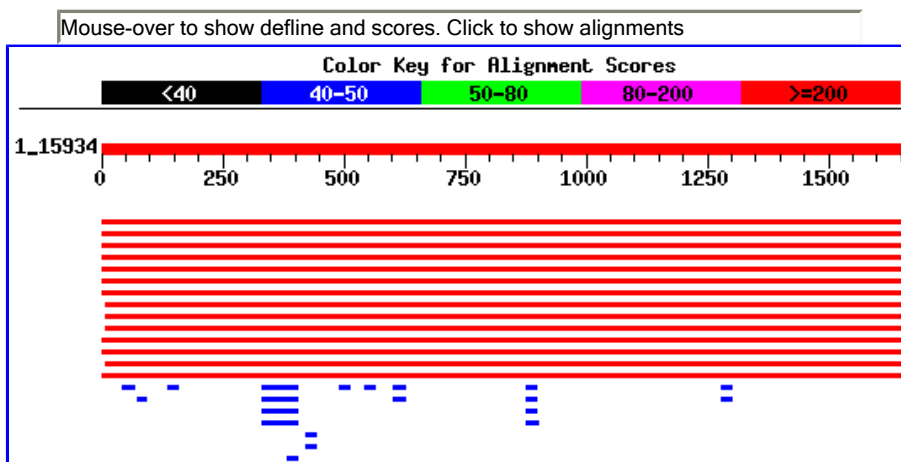
(1656 letters)

Database: All GenBank+EMBL+DDBJ+PDB sequences (but no EST, STS, GSS, environmental samples or phase 0, 1 or 2 HTGS sequences)
2,615,833 sequences; 11,857,287,733 total letters

If you have any problems or questions with the results of this search please refer to the [BLAST FAQs](#)

[Taxonomy reports](#)

Distribution of 34 Blast Hits on the Query Sequence



Sequences producing significant alignments:	Score (bits)	E Value
gi 9998888 emb AJ278916.1 PPA278916 Porcine parainfluenza v...	3283	0.0
gi 40218085 gb AY491509.1 Canine parainfluenza virus fusio...	3196	0.0
gi 2981085 gb AF052755.1 AF052755 Simian parainfluenza viru...	3108	0.0
gi 4127234 dbj AB021962.1 Simian parainfluenza virus 5 mRN...	3108	0.0
gi 335116 gb K02253.1 SV5PFC Simian virus 5, protein F mRNA...	3108	0.0
gi 49455228 emb AJ749980.1 Simian virus 5 P gene for phosp...	3069	0.0
gi 49455252 emb AJ749992.1 Simian virus 5 F gene for fusio...	3061	0.0
gi 49455246 emb AJ749989.1 Simian virus 5 F gene for fusio...	3051	0.0
gi 49455240 emb AJ749986.1 Simian virus 5 F gene for fusio...	3051	0.0
gi 49455244 emb AJ749988.1 Simian virus 5 F gene for fusio...	3035	0.0
gi 49455250 emb AJ749991.1 Simian virus 5 F gene for fusio...	3029	0.0
gi 49455248 emb AJ749990.1 Simian virus 5 F gene for fusio...	3029	0.0
gi 49455242 emb AJ749987.1 Simian virus 5 F gene for fusio...	3027	0.0
gi 6070393 dbj AB033629.1 Simian parainfluenza virus 5 SV5...	2942	0.0

gi 34194404 gb BC032915.2 	Homo sapiens cDNA clone IMAGE:52...	44	1.0	U
gi 46200439 emb BX072558.7 	Zebrafish DNA sequence from clo...	44	1.0	
gi 45725459 emb BX255895.6 	Zebrafish DNA sequence from clo...	44	1.0	
gi 61985 emb X57559.1 SNDNPPMF	Parainfluenza type 2 virus N...	44	1.0	
gi 12057238 emb AL390878.6 	Human DNA sequence from clone R...	44	1.0	
gi 26655523 gb AF533012.1 	Human parainfluenza virus 2 stra...	44	1.0	
gi 17149791 gb AC073957.7 	Homo sapiens BAC clone RP11-449P...	44	1.0	
gi 51890190 emb BX664731.12 	Zebrafish DNA sequence from cl...	44	1.0	
gi 332698 gb M60182.1 PIFFPRO	Human parainfluenza virus typ...	44	1.0	
gi 332696 gb M55698.1 PIFF0PB	Human parainfluenza type 2 vi...	44	1.0	G
gi 45774100 emb CR382279.1 	M.truncatula DNA sequence from ...	42	4.0	
gi 50839038 gb AC102229.7 	Mus musculus chromosome 15, clon...	42	4.0	
gi 50203518 gb AC142256.4 	Mus musculus chromosome 3 clone ...	42	4.0	
gi 50199014 gb AC145219.16 	Medicago truncatula clone mth2-...	42	4.0	
gi 11493281 emb AL356288.15 	Human DNA sequence from clone ...	42	4.0	
gi 17402760 gb AC026703.4 	Homo sapiens chromosome 5 clone ...	42	4.0	
gi 1082158 emb Z68121.1 CET24D3	Caenorhabditis elegans cosm...	42	4.0	
gi 46240889 gb AC118249.11 	Mus musculus chromosome 19, clo...	42	4.0	
gi 26093895 dbj AK050310.1 	Mus musculus adult male liver t...	42	4.0	U
gi 46559239 emb BX649547.7 	Zebrafish DNA sequence from clo...	42	4.0	

Alignments

Get selected sequences Select all Deselect all

>[gi|9998888|emb|AJ278916.1|PPA278916](#) Porcine parainfluenza virus mRNA for fusion protein (f gene)
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Score = 3283 bits (1656), Expect = 0.0
Identities = 1656/1656 (100%)
Strand = Plus / Plus

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[gi|40218085|gb|AY491509.1](#) Canine parainfluenza virus fusion protein mRNA, complete cds
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Score = 3196 bits (1612), Expect = 0.0
 Identities = 1645/1656 (99%)
 Strand = Plus / Plus

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[gi|2981085|gb|AF052755.1|AF052755](#) **D** Simian parainfluenza virus 5 nucleocapsid protein (NP), V protein a phosphoprotein (V/P), membrane protein (M), fusion protein (F), small hydrophobic protein (SH), hemagglutinin-neuraminidase protein (HN), and L protein (L) genes, complete cds
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 Identities = 1634/1656 (98%)
 Strand = Plus / Plus

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Query: 1561 agaatggagaattttgtttatcataaattcagcattccaccactcacgatctgatctcagt 1620
|||
Sbjct: 6090 agaatggagaattttgtttatcataaataagcattccaccactcacgatctgatctcagt 6149

Query: 1621 gagaaaaatcaacctgcaactcttgaacaagataa 1656
|||
Sbjct: 6150 gagaaaaatcaacctgcaactcttgaacaagataa 6185

```

>[gi|4127234|dbj|AB021962.1](#) Simian parainfluenza virus 5 mRNA for fusion protein, complete cds
 Length = 1702

Score = 3108 bits (1568), Expect = 0.0
 Identities = 1634/1656 (98%)
 Strand = Plus / Plus

```

Query: 1   atgggtactataattcaatttctggtggtctcctgtctattggcaggagcaggcagcctt 60
          |||
Sbjct: 30  atgggtactattattcaatttctggtggtctcctgtctattggcaggagcaggcagcctt 89

Query: 61   gatccagcagccctcatgcaaatcggtgtcattccaacaaatgtccggcaacttatgtat 120
          ||||
Sbjct: 90  gatctagcagccctcatgcaaatcggtgtcattccaacaaatgtccggcaacttatgtat 149

Query: 121  tatactgaggcctcatcagcattcattgttgaagttaatgcctacaattgactcgccg 180
          |||
Sbjct: 150  tatactgaggcctcatcagcattcattgttgaagttaatgcctacaattgactcgccg 209

Query: 181  attagtggatgtaataataacatcaatttcaagctataatgcaacagtgacaaaactccta 240
          |||
Sbjct: 210  attagtggatgtaataataacatcaatttcaagctataatgcaacagtgacaaaactccta 269

Query: 241  cagccgatcgggtgagaatttggaaacgattaggaaccagttgattccaactcggaggaga 300
          |||
Sbjct: 270  cagccgatcgggtgagaatttggagacgattaggaaccagttgattccaactcggagaaga 329

Query: 301  cgccggtttgcaggggtggtgattggattagctgcattaggagtagctactgccgcacag 360
          |||
Sbjct: 330  cgccggtttgcaggggtggtgattggattagctgcattaggagtagctactgccgcacag 389

Query: 361  gtcactgccgcagtagcactagtaaggcaataaaaatgctgcggtataactcaatctc 420
          |||
Sbjct: 390  gtcactgccgcagtagcactagtaaggcaaatgaaaatgctgcggtataactcaatctc 449

Query: 421  aaaaatgcaatcaaaaaacaaatacagcagttgcagatgtggtccaggccacacaatca 480
          |||
Sbjct: 450  aaaaatgcaatcaaaaaacaaatgcagcagttgcagatgtggtccaggccacacaatca 509

Query: 481  ctaggaacggcagttcaagcagttcaagatcacataaacagtggtgtaagtccagcaatt 540
          |||
Sbjct: 510  ctaggaacggcagttcaagcagttcaagatcacataaacagtggtgtaagtccagcaatt 569

Query: 541  acagcagccaattgtaaggccaagatgctatcattggctcaatcctcaatctctatttg 600
          |||
Sbjct: 570  acagcagccaattgtaaggccaagatgctatcattggctcaatcctcaatctctatttg 629

Query: 601  accgagttgacaactatcttcacaatcaattacaaccctgcattgagtcctattaca 660
          |||
Sbjct: 630  accgagttgacaaccatcttcacaatcaattacaaccctgcattgagtcctattaca 689

Query: 661  attcaagctttaaggatcctactggggagtaccttgccgactgtggtcgaaaaatctttc 720
          |||
Sbjct: 690  attcaagctttaaggatcctactggggagtaccttgccgactgtggtcgaaaaatctttc 749

Query: 721  aataccagataagtgcagctgagcttctctcatcagggttattgacaggccagattgtg 780
          |||
Sbjct: 750  aataccagataagtgcagctgagcttctctcatcagggttattgacaggccagattgtg 809

Query: 781  ggattagatttgacctatgatcagatggtcataaaaattgagctgccaactttaactgta 840
          |||
Sbjct: 810  ggattagatttgacctatgatcagatggtcataaaaattgagctgccaactttaactgta 869

Query: 841  caacctgcaaccagatcatagatctggccaccatttctgattcattaacaatcaagaa 900
          |||
Sbjct: 870  caacctgcaaccagatcatagatctggccaccatttctgattcattaacaatcaagaa 929
    
```

```

Query: 901  gtcattggcccaattaccaacacgtgttatgtgactggcagcttgatccaagcctatccc 960
          |||
Sbjct: 930  gtcattggcccaattaccaacacgtgttatgtgactggcagcttgatccaagcctatccc 989

Query: 961  gcatcgcaatgcactattacaccaacactgtgtactgttaggtataatgatgcccaagta 1020
          |||
Sbjct: 990  gcatcgcaatgcaccattacaccaacactgtgtactgttaggtataatgatgcccaagta 1049

Query: 1021 ctctcagatgatacagatggcttgctccaaggtaacttgacaagatgcaccttctctccg 1080
          |||
Sbjct: 1050 ctctcagatgatactatggcttgctccaaggtaacttgacaagatgcaccttctctcca 1109

Query: 1081 gtggttgggagctttctcactcgattcatgctgttcgatggaatagttatgcaaattgc 1140
          |||
Sbjct: 1110 gtggttgggagctttctcactcgattcatgctgttcgatggaatagttatgcaaattgc 1169

Query: 1141 aggtcgatggtatgcaagtgcacgctgctgctgtgatcctacagccgagttcatcc 1200
          |||
Sbjct: 1170 aggtcgatggttgtgcaagtgcacacctgctgctgtgatcctacagccgagttcatcc 1229

Query: 1201 cctgtaactgtcattgacatgtacaaatgtgtgagtctgcagcttgacaatctcagattc 1260
          |||
Sbjct: 1230 cctgtaactgtcattgacatgtacaaatgtgtgagtctgcagcttgacaatctcagattc 1289

Query: 1261 accatcactcaattggccaatgtaacctacaatagcaccatcaagcttgaacatcccag 1320
          |||
Sbjct: 1290 accatcactcaattggccaatgtaacctacaatagcaccatcaagcttgaatcatcccag 1349

Query: 1321 atcttgcttattgatccgttggatataatcccagaatctagctgagggaataagagtcta 1380
          |||
Sbjct: 1350 atcttgcttattgatccgttggatataatcccagaatctagctgagggaataagagtcta 1409

Query: 1381 agtgatgcactacaacacttagcacaagtgcacacatcctttctgcaatcacatcagct 1440
          |||
Sbjct: 1410 agtgatgcactacaacacttagcacaagtgcacacatcctttctgcaatcacatcagct 1469

Query: 1441 acgactacaagtgtattatccataatggcaatctgtccttgatcgtaggtttaatatta 1500
          |||
Sbjct: 1470 acgactacaagtgtattatccataatagcaatctgtccttgatcgtaggtttaatatta 1529

Query: 1501 ataactcttgctcagtgtagttgtgtggaagttattgaccattgtcactgctaatacgaat 1560
          |||
Sbjct: 1530 ataactcttgctcagtgtagttgtgtggaagttattgaccattgtcactgctaatacgaat 1589

Query: 1561 agaatggagaatcttggttatcataatcagcattccaccactcacgatctgatctcagt 1620
          |||
Sbjct: 1590 agaatggagaatcttggttatcataaataagcattccaccactcacgatctgatctcagt 1649

Query: 1621 gagaaaaatcaacctgcaactccttggacaagataa 1656
          |||
Sbjct: 1650 gagaaaaatcaacctgcaactccttggacaagataa 1685
    
```

[gi|335116|gb|K02253.1|SV5PFC](#) Simian virus 5, protein F mRNA, complete cds
 Length = 1873

Score = 3108 bits (1568), Expect = 0.0
 Identities = 1634/1656 (98%)
 Strand = Plus / Plus

```

Query: 1      atgggtactataattcaatttctgggtgctcctgtctattggcaggagcaggcgcctt 60
          |||
Sbjct: 194    atgggtactataattcaatttctgggtgctcctgtctattggcaggagcaggcgcctt 253
    
```

Query: 61 gatccagcagccctcatgcaaatcggtgtcattccaacaaatgtccggcaacttatgtat 120
 |||
 Sbjct: 254 gatccagcagccctcatgcaaatcggtgtcattccaacaaatgtccggcaacttatgtat 313

Query: 121 tatactgaggcctcatcagcattcattgttgtgaagttaatgcctacaattgactcgccg 180
 |||
 Sbjct: 314 tatactgaggcctcatcagcattcattgttgtgaagttaatgcctacaattgactcgccg 373

Query: 181 attagtggatgtaataataacatcaatttcaagctataatgcaacagtgacaaaactccta 240
 |||
 Sbjct: 374 attagtggatgtaataataacatcaatttcaagctataatgcaacagtgacaaaactccta 433

Query: 241 cagccgatcgggtgagaatttggaaacgattaggaaccagttgattccaactcggaggaga 300
 |||
 Sbjct: 434 cagccgatcgggtgagaatttggagacgattaggaaccagttgattccaactcggaggaga 493

Query: 301 cgccggttgcaggggtggtgattggattagctgcattaggagtagctactgccgcacag 360
 |||
 Sbjct: 494 cgccggttgcaggggtggtgattggattagctgcattaggagtagctactgccgcacag 553

Query: 361 gtcactgccgcagtagcactagtaaggcaataaaatgtgcggtatactcaatctc 420
 |||
 Sbjct: 554 gtcactgccgcagtagcactagtaaggcaaatgaaaatgtgcggtatactcaatctc 613

Query: 421 aaaaatgcaatccaaaaacaaatacagcagttgcagatgtggtccaggccacacaatca 480
 |||
 Sbjct: 614 aaaaatgcaatccaaaaacaaatgcagcagttgcagatgtggtccaggccacacaatca 673

Query: 481 ctaggaacggcagttcaagcagttcaagatcacataaacagtggtgtaagtccagcaatt 540
 |||
 Sbjct: 674 ctaggaacggcagttcaagcagttcaagatcacataaacagtggtgtaagtccagcaatt 733

Query: 541 acagcagccaattgtaaggccaagatgctatcattggctcaatcctcaatctctatttg 600
 |||
 Sbjct: 734 acagcagccaattgtaaggccaagatgctatcattggctcaatcctcaatctctatttg 793

Query: 601 accgagttgacaactatcttcacaatcaaattacaaccctgcattgagtcctattaca 660
 |||
 Sbjct: 794 accgagttgacaaccatcttcacaatcaaattacaaccctgcattgagtcctattaca 853

Query: 661 attcaagctttaaggatcctactggggagtaccttgccgactgtggtcgaaaaatctttc 720
 |||
 Sbjct: 854 attcaagctttaaggatcctactggggagtaccttgccgactgtggtcgaaaaatctttc 913

Query: 721 aataccagataagtgcagctgagcttctctcatcagggttattgacaggccagattgtg 780
 |||
 Sbjct: 914 aataccagataagtgcagctgagcttctctcatcagggttattgacaggccagattgtg 973

Query: 781 ggattagatttgacctatagcagatggtcataaaaattgagctgccaactttaactgta 840
 |||
 Sbjct: 974 ggattagatttgacctatagcagatggtcataaaaattgagctgccaactttaactgta 1033

Query: 841 caacctgcaaccagatcatagatctggccaccatttctgcattcattaacaatcaagaa 900
 |||
 Sbjct: 1034 caacctgcaaccagatcatagatctggccaccatttctgcattcattaacaatcaagaa 1093

Query: 901 gtcattggccaattaccaacacgtgttattgtgactggcagcttgatccaagcctatccc 960
 |||
 Sbjct: 1094 gtcattggccaattaccaacacgtgttattgtgactggcagcttgatccaagcctatccc 1153

Query: 961 gcatcgcaatgcactattacaccaacactgtgtactgtaggtataatgatgcccaagta 1020
 |||
 Sbjct: 1154 gcatcgcaatgcaccattacaccaacactgtgtactgtaggtataatgatgcccaagta 1213

```

Query: 1021 ctctcagatgatacggcttgctccaaggtaacttgacaagatgcaccttctctccg 1080
          |||
Sbjct: 1214 ctctcagatgatactatggcttgctccaaggtaacttgacaagatgcaccttctctcca 1273

Query: 1081 gtgggtgggagctttctcactcgattcgtgctggtcgatggaatagttatgcaaattgc 1140
          |||
Sbjct: 1274 gtgggtgggagctttctcactcgattcgtgctggtcgatggaatagttatgcaaattgc 1333

Query: 1141 aggtcgatggttatgcaagtgcacgacgctgctgctggtgatcctacagccgagttcatcc 1200
          |||
Sbjct: 1334 aggtcgatggttgcaagtgcacacgctgctgctggtgatcctacagccgagttcatcc 1393

Query: 1201 cctgtaactgtcattgacatgtacaaatgtgtgagctctgcagcttgacaatctcagattc 1260
          |||
Sbjct: 1394 cctgtaactgtcattgacatgtacaaatgtgtgagctctgcagcttgacaatctcagattc 1453

Query: 1261 accatcactcaattggccaatgtaacctacaatagcaccatcaagcttgaaacatcccag 1320
          |||
Sbjct: 1454 accatcactcaattggccaatgtaacctacaatagcaccatcaagcttgaatcatcccag 1513

Query: 1321 atcttgcttattgatccggttgatataatcccagaatctagctgctggtgaataagagtcta 1380
          |||
Sbjct: 1514 atcttgcttattgatccggttgatataatcccaaatctagctgctggtgaataagagtcta 1573

Query: 1381 agtgatgcactacaacacttagcacaagtgcacacatcctttctgcaatcacatcagct 1440
          |||
Sbjct: 1574 agtgatgcactacaacacttagcacaagtgcacacatcctttctgcaatcacatcagct 1633

Query: 1441 acgactacaagtgtattatccataatggcaatctgtccttgatcgtaggttaataatta 1500
          |||
Sbjct: 1634 acgactacaagtgtattatccataatagcaatctgtccttgatcgtaggttaataatta 1693

Query: 1501 ataactcttgctcagtgtagttgtgtggaagttattgaccattgtcactgctaatacgaat 1560
          |||
Sbjct: 1694 ataactcttgctcagtgtagttgtgtggaagttattgaccattgtcactgctaatacgaat 1753

Query: 1561 agaatggagaatttgtttatcataaataagcattccaccactcacgatctgatctcagt 1620
          |||
Sbjct: 1754 agaatggagaatttgtttatcataaataagcattccaccactcacgatctgatctcagt 1813

Query: 1621 gagaaaaatcaacctgcaactcttggacaagataa 1656
          |||
Sbjct: 1814 gagaaaaatcaacctgcaactcttggacaagataa 1849
    
```

[gi|49455228|emb|AJ749980.1](#) Simian virus 5 P gene for phosphoprotein, genomic RNA, isolate CPI+
 Length = 1656

Score = 3069 bits (1548), Expect = 0.0
 Identities = 1629/1656 (98%)
 Strand = Plus / Plus

```

Query: 1 atgggtactataattcaatttctgggtgctcctgtctattggcaggagcaggcgcctt 60
          |||
Sbjct: 1 atgggtactataattcaatttctgggtgctcctgtctattggcaggagcaggcgcctt 60

Query: 61 gatccagcagccctcatgcaaactcggtgtcattccaacaaatgtccggcaacttatgtat 120
          |||
Sbjct: 61 gatccagcagcactcatgcaaactcggtgtcattccaacaaatgtccggcaacttatgtat 120

Query: 121 tatactgaggcctcatcagcattcattgttgtgaagttaatgcctacaattgactcgccg 180
          |||
Sbjct: 121 tatactgaggcctcatcagcattcattgttgtgaagttaatgcctacaattgactcgccg 180
    
```

```

Query: 181  attagtgatgtaataataacatcaatttcaagctataatgcaacagtgacaaaactccta 240
          |||
Sbjct: 181  attagtgatgtaataataacatcaatttcaagctataatgcaacagtgacaaaactccta 240

Query: 241  cagccgatcgggtgagaatttgaaacgattaggaaccagttgattccaactcggaggaga 300
          |||
Sbjct: 241  cagccgatcgggtgagaatttgaaacgattaggaaccagttgattccaactcggaggaga 300

Query: 301  cgccggtttgcaggggtggtgattggattagctgcattaggagtagctactgccgcacag 360
          |||
Sbjct: 301  cgccggtttgcaggggtggtgattggattagctgcattaggagtagctactgctgcacag 360

Query: 361  gtcactgccgcagtagcactagtaaggcaataaaaatgctgcggtataactcaatctc 420
          |||
Sbjct: 361  gtcactgccgcagtagcactagtaaggcaataaaaatgctgcggtataactcaatctc 420

Query: 421  aaaaatgcaatccaaaaaacaatacagcagttgcagatgtggtccaggccacacaatca 480
          |||
Sbjct: 421  aaaaatgcaatccaaaaaacaatgcagcagttgcagatgtggtccaggccacacaatca 480

Query: 481  ctaggaacggcagttcaagcagttcaagatcacataaacagtggtgtaagtccagcaatt 540
          |||
Sbjct: 481  ctaggaacggcagttcaagcagttcaagatcacataaacagtggtgtaagtccagcaatt 540

Query: 541  acagcagccaattgtaaggccaagatgctatcattggctcaatcctcaatctctatttg 600
          |||
Sbjct: 541  acagcagccaattgtaaggccaagatgctatcattggctcaatcctcaatctctatttg 600

Query: 601  accgagttgacaactatcttcacaatcaaattacaaccctgcattgagtcctattaca 660
          |||
Sbjct: 601  accgagttgacaactatcttcacaatcaaattacaaccctgcattgagtcctattaca 660

Query: 661  attcaagctttaaggatcctactggggagtagcttgcgactgtggtcgaaaaatctttc 720
          |||
Sbjct: 661  attcaagctttaaggatcctactggggagtagcttgcgactgtggtcgaaaaatctttc 720

Query: 721  aataccagataagtgacagctgagcttctctcatcagggttattgacaggccagatttg 780
          |||
Sbjct: 721  aataccagataagtgacagctgagcttctctcatcagggttattgacaggccagatttg 780

Query: 781  ggattagatttgacctatagcagatggtcataaaaattgagctgccaactttaactgta 840
          |||
Sbjct: 781  ggattagatttgacctatagcagatggtcataaaaattgagctgccaactttaactgta 840

Query: 841  caacctgcaaccagatcatagatctggccaccatttctgattcattaacaatcaagaa 900
          |||
Sbjct: 841  caacctgcaaccagatcatagatctggccaccataatctgattcattaacaatcaagaa 900

Query: 901  gtcattgcccattacacacagtggtattgtgactggcagcttgatccaagcctatccc 960
          |||
Sbjct: 901  gtcattgcccattacacacagtggtattgtgactggcagcttgatccaagcctatccc 960

Query: 961  gcatcgcaatgactattacaccaacactgtgtactgtaggtataatgatgcccaagta 1020
          |||
Sbjct: 961  gcatcgcaatgactattacaccaacactgtgtactgtaggtataatgatgcccaagta 1020

Query: 1021 ctctcagatgatacagatggcttgcctccaaggtaacttgacaagatgcaccttctctccg 1080
          |||
Sbjct: 1021 ctctcagatgatacagatggcttgcctccaaggtaacttgacaagatgcaccttctctcca 1080

Query: 1081 gtggttgggagcttctcactcgattcatgctgttcgatggaatagttatgcaaattgc 1140
          |||
Sbjct: 1081 gtggttgggagcttctcactcgattcatgctgttcgatggaatagttatgcaaattgc 1140

```


Query: 301 cgccggtttgaggggtggtgattggattagctgcattaggagtagctactgccgcacag 360
 |||
 Sbjct: 301 cgccggtttgaggggtggtgattggattagctgcattaggagtagctactgctgcacag 360

Query: 361 gtcactgccgcagtagcactagtaaaaggcaataaaaatgctgcggtataactcaatctc 420
 |||
 Sbjct: 361 gtcactgccgcagtagcactagtaaaaggcaataaaaatgctgcggtataactcaatctc 420

Query: 421 aaaaatgcaatccaaaaaacaatacagcagttgcagatgtggtccaggccacacaatca 480
 |||
 Sbjct: 421 aaaaatgcaatccaaaaaacaatgcagcagttgcagatgtggtccaggccacacaatca 480

Query: 481 ctaggaacggcagttcaagcagttcaagatcacataaacagtggtgtaagtccagcaatt 540
 |||
 Sbjct: 481 ctaggaacggcagttcaagcagttcaagatcacataaacagtggtgtaagtccagcaatt 540

Query: 541 acagcagccaattgtaaggccaagatgctatcattggctcaatcctcaatctctatttg 600
 |||
 Sbjct: 541 acagcagccaattgtaaggccaagatgctatcattggctcaatcctcaatctctatttg 600

Query: 601 accgagttgacaactatctccacaatcaattacaaccctgcattgagtcctattaca 660
 |||
 Sbjct: 601 accgagttgacaactatctccacaatcaattacaaccctgcattgagtcctattaca 660

Query: 661 attcaagctttaaggatcctactggggagtaccttgccgactgtggtcgaaaaatctttc 720
 |||
 Sbjct: 661 attcaagctttaaggatcctactggggagtaccttgccgactgtggtcgaaaaatctttc 720

Query: 721 aataccagataaagtgacagctgagcttctctcatcagggttattgacaggccagatttg 780
 |||
 Sbjct: 721 aataccagataaagtgacagctgagcttctctcatcagggttattgacaggccagatttg 780

Query: 781 ggattagatttgacctatagcagatggtcataaaaattgagctgccaactttaactgta 840
 |||
 Sbjct: 781 ggattagatttgacctatagcagatggtcataaaaattgagctgccaactttaactgta 840

Query: 841 caacctgcaaccagatcatagatctggccaccatttctgcattcattaacaatcaagaa 900
 |||
 Sbjct: 841 caacctgcaaccagatcatagatctggccaccatctgcattcattaacaatcaagag 900

Query: 901 gtcattggccaattaccaaacacgtgtattgtgactggcagcttgatccaagcctatccc 960
 |||
 Sbjct: 901 gtcattggccaattaccaaacacgtgtattgtgactggcagcttgatccaagcctatccc 960

Query: 961 gcatcgcaatgcactattacaccaacactgtgtactgtaggtataatgatgcccaagta 1020
 |||
 Sbjct: 961 gcatcgcaatgcactattacaccaacactgtgtactgtaggtataatgatgcccaagta 1020

Query: 1021 ctctcagatgatacagatggcttgctccaaggtaacttgacaagatgcaccttctctccg 1080
 |||
 Sbjct: 1021 ctctcagatgatacagatggcttgctccaaggtaacttgacaagatgcaccttctctcca 1080

Query: 1081 gtggttgggagctttctcactcgattcgtgctggtcgatggaatagtttatgcaaattgc 1140
 |||
 Sbjct: 1081 gtggttgggagctttctcactcgattcgtgctggtcgatggaatagtttatgcaaattgc 1140

Query: 1141 aggtcgatggtatgcaagtgcagcctgctgctgctgatcctacagccagttcatcc 1200
 |||
 Sbjct: 1141 agatcgatggtgtgcaagtgcagcctgctgctgctgatcctacagccagttcatcc 1200

Query: 1201 cctgtaactgtcattgacatgtacaaatgtgtgagctctgcagcttgacaatctcagattc 1260
 |||
 Sbjct: 1201 cctgtgactgtcattgacatacacaatgtgtgagctctgcagcttgacaatctcagactc 1260

Query: 1261 accatcactcaattggccaatgtaacctacaatagcaccatcaagcttgaacatcccag 1320

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|||||
Sbjct: 1261 accatcactcaattggccaatgtaacctacaatagcaccatcaagcttgaaacatcccag 1320

Query: 1321 atcttgctattgatccgcttgatataatcccagaatctagctgcggtgaataagagtcta 1380
|||||
Sbjct: 1321 atcttgctattgatccgcttgatataatcccagaatctagctgcggtgaataagagtcta 1380

Query: 1381 agtgatgcactacaacacttagcacaaagtgacacatacctttctgcaatcacatcagct 1440
|||||
Sbjct: 1381 agtgatgcactacaaaacttagcacaaagtgacacatacctttctgcaatcacatcagct 1440


Query: 1441 acgactacaagtgattatccataatggcaatctgtcttgatcgtaggtttaatatta 1500
|||||
Sbjct: 1441 acgactacaagtgattatccataatagcaatctgtcttgatcgtaggtttaatatta 1500

Query: 1501 ataatcttgctcagtgtagtggagggttactgaccattgtcgtgctaatcgaat 1560
|||||
Sbjct: 1501 ataatcttgctcagtgtagtggagggttactgaccattgtcgtgctaatcgaat 1560

Query: 1561 agaatggagaattttgtttatcataattcagcattccaccactcacgatctgatctcag 1620
|||||
Sbjct: 1561 agaatggagaattttgtttatcataattcagcattttaccactcacgatctgatctcag 1620

Query: 1621 gagaaaaatcaacctgcaactcctggaacaagataa 1656
|||||
Sbjct: 1621 gagaaaaatcaacctgcaactcctggaacaagataa 1656

```

 [gi|49455246|emb|AJ749989.1](#) Simian virus 5 F gene for fusion protein, genomic RNA, isolate MIL
Length = 1656

Score = 3051 bits (1539), Expect = 0.0
Identities = 1620/1647 (98%)
Strand = Plus / Plus

```

Query: 10  ataattcaatttctggtggtctcctgtctattggcaggagcaggcagccttgatccagca 69
|||||
Sbjct: 10  ataattcaatttctggtggtctcctgtctattggcaggagcaggcagccttgatccagca 69

Query: 70  gccctcatgcaaatcggtgtcattccaacaaatgtccggcaacttatgtattatactgag 129
|||||
Sbjct: 70  gccctcatgcaaatcggtgtcattccaacaaatgtccggcaacttatgtattatactgag 129

Query: 130  gcctcatcagcattcattgttgtgaagttaatgcctacaattgactcgccgattagtga 189
|||||
Sbjct: 130  gcctcatcagcattcattgttgtgaagttaatgcctacaattgactcgccgattagtga 189

Query: 190  tgtaatataaacatcaatttcaagctataatgcaacagtgacaaaactcctacagccgatc 249
|||||
Sbjct: 190  tgtaatataaacatcaatttcaagctataatgcaacagtgacaaaactcctacagccgatc 249

Query: 250  ggtgagaatttggaaacgattaggaaccagttgattccaactcggaggagacgccggttt 309
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Sbjct: 250  ggtgagaatttggagacaattaggaaccagttgattccaactcggaggagacgccggttt 309

Query: 310  gcaggggtggtgattggattagctgcattaggagtagctactgccgcacaggtcactgcc 369
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Sbjct: 310  gcaggggtggtgattggattagctgcattaggagtagctactgccgcacaggtcactgcc 369

Query: 370  gcagtagcactagtaaaggcaataaaaaatgctgcggtataactcaatctcaaaaatgca 429
|||||
Sbjct: 370  gcagtagcactagtaaaggcaaatgaaaaatgctgcggtataactcaatctcaaaaatgca 429

Query: 430  atccaaaaacaatacagcagttgcagatgtggtccaggccacacaatcactaggaacg 489

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Sbjct: 1390 ctacaacacttagcacagagtgacacatacctttctgcaatcacatcagctacgactaca 1449

Query: 1450 agtgtattatccataatggcaatctgtcttggatcgttaggtttaatattaataatcttg 1509
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Sbjct: 1450 agtgtattatccataatagcaatctgtcttggatcgttaggtttcatattaataatcttg 1509

Query: 1510 ctcagtgtagttgtgtggaagttattgaccattgtcactgctaatacgaaatagaatggag 1569
          |||
Sbjct: 1510 ctcagtgtagttgtgtggaagttattgaccattgtcactgctaatacgaaatagaatggag 1569

Query: 1570 aatthttgtttatcataattcagcattccaccactcagatctgatctcagtgagaaaaat 1629
          |||
Sbjct: 1570 aatthttgtttatcataatcaagcattccatcactcacaatctgatctcagtgagaaaaat 1629

Query: 1630 caacctgcaactcttggacaagataa 1656
          |||
Sbjct: 1630 caacctgcaactcttggacaagataa 1656
    
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[gi|49455240|emb|AJ749986.1](#) Simian virus 5 F gene for fusion protein, genomic RNA, isolate DEN
 Length = 1656

Score = 3051 bits (1539), Expect = 0.0
 Identities = 1620/1647 (98%)
 Strand = Plus / Plus

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Query: 10  ataattcaatttctggtggtctcctgtctattggcaggagcaggcagccttgatccagca 69
          |||
Sbjct: 10  ataattcaatttctggtggtctcctgtctattggcaggagcaggcggccttgatccagca 69

Query: 70  gccctcatgcaaatcggtgtcattccaacaaatgtccggcaacttatgtattatactgag 129
          |||
Sbjct: 70  gccctcatgcaaatcggtgtcattccaacaaatgtccggcaacttatgtattatactgag 129

Query: 130  gcctcatcagcattcattgttgtgaagttaatgcctacaattgactcgccgattagtgga 189
          |||
Sbjct: 130  gcctcatcagcattcattgttgtgaagttaatgcctacaattgactcgccgattagtgga 189

Query: 190  tgtaatataacatcaatttcaagctataatgcaacagtgacaaaactcctacagccgatc 249
          |||
Sbjct: 190  tgtaatataacatcaatttcaagctataatgcaacagtgacaaaactcctacagccgatc 249

Query: 250  ggtgagaatttggaaacgattaggaaccagttgattccaactcggaggagacgccggttt 309
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Sbjct: 250  ggtgagaatttggagacaattaggaaccagttgattccaactcggaggagacgccggttt 309

Query: 310  gcaggggtggtgattggattagctgcattaggagtagctactgccgcacaggtcactgcc 369
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Sbjct: 310  gcaggggtggtgattggattagctgcattaggagtagctactgccgcacaggtcactgcc 369

Query: 370  gcagtagcactagtaaaaggcaataaaaaatgctgcggtataactcaatctcaaaaatgca 429
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Sbjct: 370  gcagtagcactagtaaaaggcaaatgaaaaatgctgcggtataactcaatctcaaaaatgca 429

Query: 430  atccaaaaaacaatacagcagttgcagatgtggtccaggccacacaatcactaggaacg 489
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Sbjct: 430  atccaaaaaacaatgcggcagttgcagacgtggtccaggccacacaatcactaggaacg 489

Query: 490  gcagttcaagcagttcaagatcacataaacagtggtgtaagtccagcaattacagcagcc 549
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Sbjct: 490  gcagttcaagcagttcaagatcacataaacagtggtgtaagtccagcaattacagcagcc 549

Query: 550  aattgtaaggcccaagatgctatcattggctcaatcctcaatctctatttgaccgagttg 609
          |||
    
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Query: 730 ataagtcagctgagcttctctcatcagggttattgacaggccagattgtgggattagat 789
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 Sbjct: 730 ataagtcagctgagcttctctcatcagggttattaacaggccagattgtgggattagat 789

Query: 790 ttgacctatgatgcagatggtcataaaaattgagctgccaactttaactgtacaacctgca 849
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 Sbjct: 790 ttgacctatgatgcagatggtcataaaaattgagctgccaactttaactgtacaacctgca 849

Query: 850 acccagatcatagatctggccaccatttctgcattcattaacaatcaagaagtcattggcc 909
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 Sbjct: 850 acccagatcatagatctggccaccatttctgcattcattaacaatcaagaagtcattggcc 909

Query: 910 caattaccaacacgtggttattgtgactggcagcttgatccaagcctatcccgcacgcaa 969
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 Sbjct: 910 caattaccaacacgtggttattgtgactggcagcttgatccaagcctatcccgcacgcaa 969

Query: 970 tgcactattacaccaacactgtgtactgtagggtataatgatgcccaagtactctcagat 1029
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 Sbjct: 970 tgcactatcacaccaacactgtgtactgtagggtataatgatgcccaagtactctcagat 1029

Query: 1030 gatacgatggctgcctccaaggttaacttgacaagatgcaccttctctccggtgggtggg 1089
 |||
 Sbjct: 1030 gatactagggctgcctccaaggttaacttgacaagatgcaccttctctccagtggtggg 1089

Query: 1090 agctttctcactcgattcatgctgttcgatggaatagtttatgcaaattgcaggtcgatg 1149
 |||
 Sbjct: 1090 agctttctcactcgattcatgctgttcgatggaatagtttatgcaaattgcaggtcgatg 1149

Query: 1150 ttatgcaagtgcagcctgctgctgtgatcctacagccgagttcatcccctgtaact 1209
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 Sbjct: 1150 ttgtgcaagtgcagcctgctgctgtgatcctacagccgagttcatcccctgtaact 1209

Query: 1210 gtcattgacatgtacaaatgtgtgagttctgcagcttgacaatctcagattcaccatcact 1269
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 Sbjct: 1210 gtcattgacatgtacaaatgtgtgagttctgcagcttgacaatctcagattcaccatcact 1269

Query: 1270 caattggccaatgtaacctacaatagcaccatcaagcttgaacatcccagatcttgct 1329
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 Sbjct: 1270 caattggccaatgtaacctacaatagcaccatcaagcttgaacatcccagatcttgct 1329

Query: 1330 attgatccggttgatataatcccagaatctagctgcggtgaataagagtctaagtgatgca 1389
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 Sbjct: 1330 attgatccggttgatataatcccagaatctagctgcggtgaataagagtctaagtgatgca 1389

Query: 1390 ctacaacacttagcacaagtgcacatacctttctgcaatcacatcagctacgactaca 1449
 |||
 Sbjct: 1390 ctacaacacttagcacaagtgcacatacctttctgcaatcacatcagctacgactaca 1449

Query: 1450 agtgtattatccataatggcaatctgtcttgatcggttaggtttaatattaataatcttg 1509
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 Sbjct: 1450 agtgtattatccataatagcaatctgtcttgatcggttaggtttcatattaataatcttg 1509

Query: 1510 ctcagtgtagttgtgtggaagttattgaccattgtcactgctaatacgaaatagaatggag 1569
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 Sbjct: 1510 ctcagtgtagttgtgtggaagttattgaccattgtcactgctaatacgaaatagaatggag 1569

Query: 1570 aatthttgtttatcataatcagcattccaccactcagatctgatctcagtgagaaaaat 1629
 |||
 Sbjct: 1570 aatthttgtttatcataatcaagcattccatcactaacaatctgatctcagtgagaaaaat 1629

Query: 1630 caacctgcaactcttggaacaagataa 1656
 |||
 Sbjct: 1630 caacctgcaactcttggaacaagataa 1656

<[gi|49455250|emb|AJ749991.1|](#) Simian virus 5 F gene for fusion protein, genomic RNA, isolate H22
 Length = 1656

Score = 3029 bits (1528), Expect = 0.0
 Identities = 1624/1656 (98%)
 Strand = Plus / Plus

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Query: 1      atgggtactataattcaatttctgggtgctcctgtctattggcaggagcaggcagcctt 60
             |||
Sbjct: 1      atgggtactagaattcaatttctgggtgctcctgtctattggcaggatcaggcagcctt 60

Query: 61      gatccagcagccctcatgcaaatcggtgtcattccaacaaatgtccggcaacttatgtat 120
             |||
Sbjct: 61      gatccagcagccctcatgcaaatcggtgtcattccaacaaatgtccggcaacttatgtat 120

Query: 121     tatactaggcctcatcagcattcattgtgtggaagttaatgcctacaattgactcgccg 180
             ||
Sbjct: 121     tacactaggcctcatcagcattcattgtgtggaagttaatgcctacaattgactcgccg 180

Query: 181     attagtggatgtaataataacatcaatttcaagctataatgcaacagtgacaaaactccta 240
             |||
Sbjct: 181     attagtggatgtaataataacatccatttcaagctataatgcaacagtgacaaaactccta 240

Query: 241     cagccgatcggtgagaatttgaaacgattaggaaccagttgattccaactcggaggaga 300
             |||
Sbjct: 241     cagccgatcggtgagaatttagagacaattaggtaccagttgattccaactcggaggaga 300

Query: 301     cgccggtttgcaggggtggtgattggattagctgcattaggagtagctactgccgcacag 360
             |||
Sbjct: 301     cgccggtttgcaggggtggtgattggattagccgattaggagtagctactgccgcacag 360

Query: 361     gtcactgccgcagtagcactagtaaaggcaataaaaatgctgctgctataactcaatctc 420
             |||
Sbjct: 361     gtcactgccgcagtagcactagtaaaggcaaacaaaatgctgctgctataactcaatctc 420

Query: 421     aaaaatgcaatcaaaaaaaaacaaatcacagcagttgcagatgtggtccaggccacacaatca 480
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Sbjct: 421     aaaaatgcaatcaaaaaaaaacaaatgcagcagttgcagatgtggtccaggccacacaatca 480

Query: 481     ctaggaacggcagttcaagcagttcaagatcacataaacagtggtgtaagtccagcaatt 540
             |||
Sbjct: 481     ctaggaacggcagttcaagcagttcaagatcacataaatagtggtgtaagtccagcaatt 540

Query: 541     acagcagccaattgtaagcccaagatgctatcattggctcaatcctcaatctctatttg 600
             |||
Sbjct: 541     acagcagccaattgtaagcccaagatgctatcattggctcaatcctcaatctctatttg 600

Query: 601     accgagttgacaactatctccacaatcaaatcacaaccctgcattgagtcctattaca 660
             ||
Sbjct: 601     actgagttgacaactatctccacaatcaaatcacaaccctgcattgagtcctattaca 660

Query: 661     attcaagctttaaggatcctactggggagtaccttgccgactgtggtcgaaaaatctttc 720
             |||
Sbjct: 661     attcaagctttaaggatcctactagggagtaccttgccgactgtggtcgaaaaatctttt 720

Query: 721     aataccagataagtgagctgagcttctctcatcagggttattgacaggccagatttg 780
             |||
Sbjct: 721     aataccagataagtcgagctgagcttctctcatcaggattattgacaggccagatttg 780

Query: 781     ggattagatttgacctatagcagatggtcataaaaattgagctgccaactttaactgta 840
             |||
Sbjct: 781     ggattagatttgacctatagcagatggtcataaaaattgagctgccaactttaactgta 840
    
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Query: 841 caacctgcaaccagatcatagatctggccaccatttctgattcattaacaatcaagaa 900
          |||
Sbjct: 841 caacctgcaaccagatcatagatctggccaccatttctgattcattaacaatcaagaa 900

Query: 901 gtcatggccaattaccaacacgtgttatgtgactggcagcttgatccaagcctatccc 960
          ||
Sbjct: 901 gttatggccaattaccaacacgtgttatgtgactggcagcttgatccaagcctatccc 960

Query: 961 gcatcgcaatgcactattacaccaacactgtgtactgtaggtataatgatgccaagta 1020
          |||
Sbjct: 961 gcatcgcaatgcactatcacaccaacactgtgtactgtaggtataatgatgccaagta 1020

Query: 1021 ctctcagatgatacgatggcttgctccaaggtaacttgacaagatgcaccttctctccg 1080
          |||
Sbjct: 1021 ctctcagatgatacgatggcttgctccaaggtaacttgacaagatgcaccttctctcca 1080

Query: 1081 gtggttgggagctttctcactcgattcgtctgctgatggaatagtttatgcaaattgc 1140
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Sbjct: 1081 gtggttgggagctttctcactcgattcgtctgctgatggaatagtttttgcaaattgc 1140

Query: 1141 aggtcgatggtatgcaagtgcacgcctgctgctgtgatcctacagccgagttcatcc 1200
          |||
Sbjct: 1141 aggtcgatggttgcaagtgcacgcctgctgctgtgatcctacagccgagttcatcc 1200

Query: 1201 cctgtaactgtcattgacatgtacaaatgtgtgagctctgcagcttgacaatctcagattc 1260
          |||
Sbjct: 1201 cctgtaactgtcattgacatgtacaaatgtgtgagctctgcagcttgacaatctcagattc 1260

Query: 1261 accatcactcaattggccaatgtaacctacaatagcaccatcaagcttgaaacatcccag 1320
          |||
Sbjct: 1261 accatcactcaattggccaatgtaacctacaatagcaccatcaagcttgaaacatcccag 1320

Query: 1321 atcttgcttattgatccgttgatataatcccagaatctagctgagtggaataagagtcta 1380
          |||
Sbjct: 1321 atcttgcttattgatccattggatataatcccagaatctagctgagtggaataagagtcta 1380

Query: 1381 agtgatgcactacaacacttagcacaagtgcacacatacctttctgcaatcacatcagct 1440
          |||
Sbjct: 1381 agtgatgcactacaacacttagcacaagtgcacacatacctttctgcaatcacatcagct 1440

Query: 1441 acgactacaagtgtattatccataatggcaatctgtcttgatcgtaggtttaatatta 1500
          |||
Sbjct: 1441 acgactacaagtgtattatccataatagcaatctgtcttgatcgtaggtttaatatta 1500

Query: 1501 ataactcttgctcagtgtagttgtgtggaagttattgaccattgtcactgctaatacgaat 1560
          |||
Sbjct: 1501 ataactcttgctcagtgtagttgtgtggaagttattgaccattgtcactgctaatacgaat 1560

Query: 1561 agaatggagaattttgttatcataattcagcattccaccactcacgatctgatctcagt 1620
          |||
Sbjct: 1561 agaatggagaattttgttatcataattcagcattccaccactcacgatctgatctcagt 1620

Query: 1621 gagaaaaatcaacctgcaactccttgaacaagataa 1656
          |||
Sbjct: 1621 gagaaaaatcaacctgcaactccttgaacaagataa 1656
    
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[>gi|49455248|emb|AJ749990.1|](#) Simian virus 5 F gene for fusion protein, genomic RNA, isolate 78524
 Length = 1656

Score = 3029 bits (1528), Expect = 0.0
 Identities = 1624/1656 (98%)
 Strand = Plus / Plus

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Query: 1      atgggtactataattcaatcttctgggtgtctcctgtctattggcaggagcaggcagcctt 60
             |||
Sbjct: 1      atgggtactagaattcaatcttctgggtgtctcctgtctattggcaggatcaggcagcctt 60

Query: 61     gatccagcagccctcatgcaaactcggtgtcattccaacaaatgtccggcaacttatgtat 120
             |||
Sbjct: 61     gatccagcagccctcatgcaaactcggtgtcattccaacaaatgtccggcaacttatgtat 120

Query: 121    tatactgaggcctcatcagcattcattgttgtgaagttaatgcctacaattgactcgccg 180
             ||
Sbjct: 121    tacactgaggcctcatcagcattcattgttgtgaagttaatgcctacaattgactcgccg 180

Query: 181    attagtggatgtaataataacatcaatcttcaagctataatgcaacagtgacaaaactccta 240
             |||
Sbjct: 181    attagtggatgtaataataacatccattctcaagctataatgcaacagtgacaaaactccta 240

Query: 241    cagccgatcggtgagaatcttggaaacgattaggaaccagttgattccaactcggaggaga 300
             |||
Sbjct: 241    cagccgatcggtgagaatcttagagacaattaggtaccagttgattccaactcggaggaga 300

Query: 301    cgccggtttgcaggggtggtgattggattagctgcattaggagtagctactgccgcacag 360
             |||
Sbjct: 301    cgccggtttgcaggggtggtgattggattagccgcattaggagtagctactgccgcacag 360

Query: 361    gtcactgccgcagtagcactagtaaggcaataaaaatgtgctgctataactcaatctc 420
             |||
Sbjct: 361    gtcactgccgcagtagcactagtaaggcaataaaaatgtgctgctataactcaatctc 420

Query: 421    aaaaatgcaatcAAAAAcaaatacagcagttgcagatgtggtccaggccacacaatca 480
             |||
Sbjct: 421    aaaaatgcaatcAAAAAcaaatgcagcagttgcagatgtggtccaggccacacaatca 480

Query: 481    ctaggaacggcagttcaagcagttcaagatcacataaacagtggtgtaagtccagcaatt 540
             |||
Sbjct: 481    ctaggaacggcagttcaagcagttcaagatcacataaatagtggtgtaagtccagcaatt 540

Query: 541    acagcagccaattgtaaggcccaagatgctatcattggctcaatcctcaatctctatttg 600
             |||
Sbjct: 541    acagcagccaattgtaaaagcccaagatgctatcattggctcaatcctcaatctctatttg 600

Query: 601    accgagttgacaactatcttccacaatcaaatcacaaccctgcattgagtcctattaca 660
             ||
Sbjct: 601    actgagttgacaactatcttccacaatcaaatcacaaccctgcattgagtcctattaca 660

Query: 661    attcaagctttaaggatcctactagggagtaccttgccgactgtggtcgaaaaatctttc 720
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Sbjct: 661    attcaagctttaaggatcctactagggagtaccttgccgactgtggtcgaaaaatctttt 720

Query: 721    aataccagataaagtgcagctgagcttctctcatcagggttattgacaggccagattgtg 780
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Sbjct: 721    aataccagataaagcgcagctgagcttctctcatcaggattattgacaggccagattgtg 780

Query: 781    ggattagatttgacctatatgcagatggtcataaaaattgagctgccaactttaactgta 840
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Sbjct: 781    ggattagatttgacctatatgcagatggtcataaaaattgagctgccaactttaactgta 840

Query: 841    caacctgcaaccagatcatagatctggccaccatttctgcattcattaacaatcaagaa 900
             |||
Sbjct: 841    caacctgcaaccagatcatagatctggccaccatttctgcattcattaacaatcaagaa 900

Query: 901    gtcattggccaattaccaacacgtgtattgtgactggcagcttgatccaagcctatccc 960
             ||
Sbjct: 901    gttatggccaattaccaacacgtgtattgtgactggcagcttgatccaagcctatccc 960
    
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Query: 961  gcatcgcaatgcactattacacccaacactgtgtactgtaggtataatgatgcccaagta 1020
          |||
Sbjct: 961  gcatcgcaatgcactatcacacccaacactgtgtactgtaggtataatgatgcccaagta 1020

Query: 1021 ctctcagatgatacggcttgctccaaggttaacttgacaagatgcaccttctctccg 1080
          |||
Sbjct: 1021 ctctcagatgatacggcttgctccaaggttaacttgacaagatgcaccttctctcca 1080

Query: 1081 gtggttgggagctttctcactcgattcatgctgttcgatggaatagtttatgcaaattgc 1140
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Sbjct: 1081 gtggttgggagctttctcactcgattcatgctgttcgatggaatagtttttgcaaattgc 1140

Query: 1141 aggtcgatgttatgcaagtgcacgctgctgtgtgatcctacagccgagttcatcc 1200
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Sbjct: 1141 aggtcgatgtttgcaagtgcacgctgctgtgtgatcctacagccgagttcatcc 1200

Query: 1201 cctgtaactgtcattgacatgtacaaatgtgtgagtctgcagcttgacaatctcagattc 1260
          |||
Sbjct: 1201 cctgtaactgtcattgacatgtacaaatgtgtgagtctgcagcttgacaatctcagattc 1260

Query: 1261 accatcactcaattggccaatgtaacctacaatagcaccatcaagcttgaaacatcccag 1320
          |||
Sbjct: 1261 accatcactcaattggccaatgtaacctacaatagcaccatcaagcttgaaacatcccag 1320

Query: 1321 atcttgccattgatccgttgatataatccagaatctagctgcggtgaataagagtcta 1380
          |||
Sbjct: 1321 atcttgccattgatccgttgatataatccagaatctagctgcagtggaataagagtcta 1380


Query: 1381 agtgatgcactacaacacttagcacaagtgcacacatacctttctgcaatcacatcagct 1440
          |||
Sbjct: 1381 agtgatgcactacaacacttagcacaagtgcacacatacctttctgcaatcacatcagct 1440

Query: 1441 acgactacaagtgattatccataatggcaatctgtcttgatcgtaggttataatatta 1500
          |||
Sbjct: 1441 acgactacaagtgattatccataatggcaatctgtcttgatcgtaggttataatatta 1500

Query: 1501 ataactcttgctcagtgtagttgtgtggaagttattgaccattgtcactgctaatacgaat 1560
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Sbjct: 1501 ataactcttgctcagtgtagttgtgtggaagttattgaccattgtcactgctaatacgaat 1560

Query: 1561 agaatggagaattttgtttatcataattcagcattccaccactcacgatctgatctcagt 1620
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Sbjct: 1561 agaatggagaattttgtttatcataattcagcattccaccactcacgatctgatctcagt 1620

Query: 1621 gagaaaaatcaacctgcaactcttgaacaagataa 1656
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Sbjct: 1621 gagaaaaatcaacctgcaactcttgaacaagataa 1656
    
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 [gi|49455242|emb|AJ749987.1](#) Simian virus 5 F gene for fusion protein, genomic RNA, isolate LN
Length = 1656

Score = 3027 bits (1527), Expect = 0.0
Identities = 1617/1647 (98%)
Strand = Plus / Plus

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Query: 10  ataattcaatttctggtgctcctgtctattggcaggagcaggcagccttgatccagca 69
          |||
Sbjct: 10  ataattcaatttctggtgctcctgtctattggcaggagcaggcagccttgatccagca 69

Query: 70  gccctcatgcaaatcggtgtcattccaacaaatgtccggcaacttatgtattatactgag 129
          |||
Sbjct: 70  gccctcatgcaaatcggtgtcattccaacaaatgtccggcaacttatgtattatactgag 129
    
```

Query: 130 gcctcatcagcattcattgttgtgaagttaatgcctacaattgactcgccgattagtgga 189
 |||
 Sbjct: 130 gcctcatcagcattcattgttgtgaagttaatgcctacaattgactcgccgattagtgga 189

Query: 190 tgtaatataacatcaatttcaagctataatgcaacagtgacaaaactcctacagccgac 249
 |||
 Sbjct: 190 tgtaatataacatcaatttcaagctataatgcaacagtgacaaaactcctacagccgac 249

Query: 250 ggtgagaatttggaaacgattaggaaccagttgattccaactcggaggagacgccggtt 309
 |||
 Sbjct: 250 ggtgagaatttggagacaattaggaaccagttgattccaactcggaggagacgccggtt 309

Query: 310 gcaggggtggtgattggattagctgcattaggagtagctactgccgcacaggtcactgcc 369
 |||
 Sbjct: 310 gcaggggtggtgattggattagctgcattaggagtagctactgccgcacaggtcactgcc 369

Query: 370 gcagtagcactagtaaaggcaataaaaaatgctgcggctataactcaatctcaaaaatgca 429
 |||
 Sbjct: 370 gcagtagcactagtaaaggcaaatgaaaatgctgcggctataactcaatctcaaaaatgca 429

Query: 430 atccaaaaaacaatacagcagttgcagatgtggtccaggccacacaatcactaggaacg 489
 |||
 Sbjct: 430 atccaaaaaacaatgcggcagttgcagacgtggtccaggccacacaatcactaggaacg 489

Query: 490 gcagttcaagcagttcaagatcacataaacagtggttaagtccagcaattacagcagcc 549
 |||
 Sbjct: 490 gcagttcaagcagttcaagatcacataaacagtggttaagtccagcaattacagcagcc 549

Query: 550 aattgtaaggccaagatgctatcattggctcaatcctcaatctctatttgaccgagttg 609
 |||
 Sbjct: 550 aattgtaaggccaagatgctatcattggctcaatcctcaatctctatttgaccgagttg 609

Query: 610 acaactatcttccacaatcaaattacaaaccctgattgagtcctattacaattcaagct 669
 |||
 Sbjct: 610 acaactatcttccacaatcaaattacaaaccctgattgagtcctattacaattcaagct 669

Query: 670 ttaaggatcctactggggagtagcttggcactgtggtcgaaaaatctttcaataccag 729
 |||
 Sbjct: 670 ttaaggatcctactggggagtagcttggcactgtggtcgaaaaatctttcaataccag 729

Query: 730 ataagtcagcctgagcttctctcatcagggttattgacaggccagattgtgggattagat 789
 |||
 Sbjct: 730 ataagtcagcctgagcttctctcatcagggttattaacaggccagattgtgggattagat 789

Query: 790 ttgacctatgagcagatggtcataaaaattgagctgccaactttaactgtacaacctgca 849
 |||
 Sbjct: 790 ttgacctatgagcagatggtcatgaaaattgagctgccaactttaactgtacaacctgca 849

Query: 850 acccagatcatagatctggccaccatttctgcattcattaacaatcaagaagtcagggcc 909
 |||
 Sbjct: 850 acccagatcatagatctggccaccatttctgcattcattaacaatcaagaagtcagggcc 909

Query: 910 caattaccaacacgtgttattgtgactggcagcttgatccaagcctatcccgcacgcaa 969
 |||
 Sbjct: 910 caattaccaacacgtgttattgtgactggcagcttgatccaagcctatcccgcacgcaa 969

Query: 970 tgcactattacaccaactgtgtactgtaggtataatgatgcccaagtactctcagat 1029
 |||
 Sbjct: 970 tgcactattacaccaactgtgtactgtaggtataatgatgcccaagtactctcagat 1029

Query: 1030 gatacagtggtctgctccaaggttaacttgacaagatgcaccttctctccggtggttggg 1089
 |||
 Sbjct: 1030 gatacagtggtctgctccaaggttaacttgacaagatgcaccttctctccagtggttggg 1089

Query: 1090 agctttctcactcgattcatgctgttcgatggaatagtttatgcaattgcaggtcgatg 1149

```

||||| ||||||||| ||||||||| ||||||||| ||||||||| |||||||||
Sbjct: 1090 agcttttctactcgattcgctgctgctcgatggaatagtttatgcaaattgcaggtcgatg 1149

Query: 1150 ttatgcaagtgcatgcagcctgctgctgctgatcctacagccgagttcatcccctgtaact 1209
||| ||||||||| ||||||||| ||||||||| ||||||||| |||||||||
Sbjct: 1150 ttgtgcaagtgcatgcagcctgctgccgtgatcctacagccgagttcatcccctgtaact 1209

Query: 1210 gtcattgacatgtacaaatgtgtgagtgctgcagcttgacaatctcagattcaccatcact 1269
||||| ||||||||| ||||||||| ||||||||| ||||||||| |||||||||
Sbjct: 1210 gtcattgacatgtacaaatgtgtgagtttgcagcttgataatctcagattcaccatcact 1269

Query: 1270 caattggccaatgtaacctacaatagcaccatcaagcttgaacatcccagatcttgct 1329
||||| ||||||||| ||||||||| ||||||||| ||||||||| |||||||||
Sbjct: 1270 caattggccaatgtaacctacaatagcaccatcaagcttgaatcatcccagatcttgct 1329

Query: 1330 attgatccggttgatataatcccagaatctagctgcggtgaataagagtctaagtgatgca 1389
||||| ||||||||| ||||||||| ||||||||| ||||||||| |||||||||
Sbjct: 1330 attgatccggttgatataatcccagaatctagctgcggtgaataagagtctaagtgatgca 1389

Query: 1390 ctacaacacttagcacaaagtgcacatacctttctgcaatcacatcagctacgactaca 1449
||||| ||||||||| ||||||||| ||||||||| ||||||||| |||||||||
Sbjct: 1390 ctacaacacttagcacagagtgcacatacctttctgcaatcacatcagctacgactaca 1449


Query: 1450 agtgtattatccataatggcaatctgtcttgatcggttaggtttaataataaatcttg 1509
||||| ||||||||| ||||||||| ||||||||| ||||||||| |||||||||
Sbjct: 1450 agtgtattatccataatagcaatctgtcttgatcggttaggtttcatattaataaatcttg 1509

Query: 1510 ctcagtgtagttgtgtggaagttattgaccattgtcactgctaatacgaaatagaatggag 1569
||||| ||||||||| ||||||||| ||||||||| ||||||||| |||||||||
Sbjct: 1510 ctcagtgtagttgtgtggaagttattgaccattgtcactgctaatacgaaatagaatggag 1569

Query: 1570 aatthttgtttatcataattcagcattccaccactcacgatctgatctcagtgagaaaaat 1629
||||| ||||||||| ||||||||| ||||||||| ||||||||| |||||||||
Sbjct: 1570 aatthttgtttatcataatcaagcattccatcactcacaatctgatctcagtgagaaaaat 1629

Query: 1630 caacctgcaactcttggacaagataa 1656
||||| ||||||||| ||||||||| ||||||||| ||||||||| |||||||||
Sbjct: 1630 caacctgcaactcttggacaagataa 1656

```

 [gi|6070393|dbj|AB033629.1](#) Simian parainfluenza virus 5 SV5 F mRNA for SV5 fusion protein, complete cds
Length = 1696

Score = 2942 bits (1484), Expect = 0.0
Identities = 1613/1656 (97%)
Strand = Plus / Plus

```

Query: 1 atgggtactataattcaatttctgggtgctcctgtctattggcaggagcaggcagcctt 60
||||| ||||||||| ||||||||| ||||||||| ||||||||| |||||||||
Sbjct: 24 atgggtactagaattcaatttctgggtgctcctgtctattggcaggaacaggcagcctt 83

Query: 61 gatccagcagccctcatgcaaatcggtgtcattccaacaaatgtccggcaacttatgtat 120
||||| ||||||||| ||||||||| ||||||||| ||||||||| |||||||||
Sbjct: 84 gatccagcagccctcatgcaaatcggtgtcattccaacaaatgtccggcaacttatgtat 143

Query: 121 tatactgaggcctcatcagcattcattgtgtggaagttaatgcctacaattgactcgccg 180
||||| ||||||||| ||||||||| ||||||||| ||||||||| |||||||||
Sbjct: 144 tatactgaggcctcatcagcattcattgtgtggaagttaatgcctacaattgactcgccg 203

Query: 181 attagtggatgtaataataacatcaatttcaagctataatgcaacagtgacaaaactccta 240
||||| ||||||||| ||||||||| ||||||||| ||||||||| |||||||||
Sbjct: 204 attagtgggtgtaataataacatccatttcaagctataatgcaacaatgacaaaacttcta 263

```

Query: 241 cagccgatcgggtgagaatTTGaaacgattaggaaccagttgattccaactcggaggaga 300
 |||
 Sbjct: 264 cagccgatcgggtgagaatTTAGAGACgattaggtaccagttgattccaactcggaggaga 323

Query: 301 cgccggTTTgcaggggTggtgattggattagctgcattaggagtagctactgccgcacag 360
 |||
 Sbjct: 324 cgccggTTTgcaggggTggtgattggattagccgcattaggagtagctactgcagcacag 383

Query: 361 gtcactgccgcagtagcactagtaaggcaataaaaatgctgCGGctatactcaatctc 420
 |||
 Sbjct: 384 gtcactgccgcagtagcactagtaaggCGAataaaaatgctGTGGctatactcaatctc 443

Query: 421 aaaaatgcaatccaaaaacaaatacagcagttgcagatgtggtccaggccacacaatca 480
 |||
 Sbjct: 444 aaaaacgcaatccaaaaacaaatgcagcagttgcagacgtggtccaggccacacaatca 503

Query: 481 ctaggaacggcagttcaagcagttcaagatcacataaacagtgtggttaagtccagcaatt 540
 |||
 Sbjct: 504 ctaggaacggcagttcaagcagttcaagatcacataaatagtgtggttaagtccagcaatt 563

Query: 541 acagcagccaattgtaaggcccaagatgctatcattggctcaatcctcaatctctatttg 600
 |||
 Sbjct: 564 acagcagccaattgcaaggcccaagatgctatcattggctcaatcctcaatctctatttg 623

Query: 601 accgagttgacaactatcttcacaatcaaattacaaccctgcattgagtcctattaca 660
 |||
 Sbjct: 624 accgagttgacaactatcttcacaatcaaattacaaccctgcattgagtcctattaca 683

Query: 661 attcaagctTTtaaggatcctactggggagtagccttgccgactgtggtcgaaaaatctttc 720
 |||
 Sbjct: 684 attcaagctTTtaaggatcctactaggggagtagccttgccgaccgtggtcgaaaaatctttc 743

Query: 721 aataccagataaagtgcagctgagcttctctcatcagggttattgacaggccagattgtg 780
 |||
 Sbjct: 744 aataccagataaagtgcagctgagcttctctcatcagggttattgacaggccagattgtg 803

Query: 781 ggattagatttgacctatagcagatgggtcataaaaattgagctgccaactttaactgta 840
 |||
 Sbjct: 804 ggattagatttgacctatagcagatgggtcataaaaattgagctgccaactttaactgta 863

Query: 841 caacctgcaaccagatcatagatctggccaccatttctgattcattaacaatcaagaa 900
 |||
 Sbjct: 864 caacctgcaaccagatcatagatctggtcaccatttctgattcattaacaatcaagaa 923

Query: 901 gtcattggccaattaccaacacgtgtattgtgactggcagcttgatccaagcctatccc 960
 |||
 Sbjct: 924 gttatggccaattaccaacacgtgtattgtgactggcagcttgatccaagcctatccc 983

Query: 961 gcatcgcaatgcactattacaccaacactgtgtactgtagggtataatgatgcccaagta 1020
 |||
 Sbjct: 984 gcatcgcaatgcactatcaccccaacactgtgtactgtagggtataatgatgcccaagta 1043

Query: 1021 ctctcagatgatacgatggcttgctccaaggtaacttgacaagatgcaccttctctccg 1080
 |||
 Sbjct: 1044 ctctcagatgatacgatggcttgctccaaggtaacttgacaagatgcaccttctctcca 1103

Query: 1081 gtggttgggagcttctcactcgattcatgctgttcgatggaatagtttatgcaaattgc 1140
 |||
 Sbjct: 1104 gtggttgggagcttctcactcgattcgtgctgtttgatggaatagtttatgcaaattgc 1163

Query: 1141 aggtcgatgTTatgcaagtgcagcctgctgctggtatcctacagccgagttcatcc 1200
 |||
 Sbjct: 1164 aggtcgatgTTatgcaagtgcagcctgctgctggtatcctacagccgagttcatcc 1223

Query: 1201 cctgtaactgtcattgacatgtacaaatgtgtgagctctgcagcttgacaatctcagattc 1260

```

Sbjct: 1224 ||| cctgtaactgtcattgacatgtacaaatgtgtgagctctgcagcttgacaatctcagattc ||| 1283

Query: 1261 accatcactcaattggccaatgtaacctacaatagcaccatcaagcttgaaacatcccag 1320
          ||| cctgtaactgtcattgacatgtacaaatgtgtgagctctgcagcttgacaatctcagattc |||
Sbjct: 1284 accatcactcaattggccaatataaacctacaatagcaccatcaagcttgaaacatcccag 1343

Query: 1321 atcttgcttattgatccgttggatatatcccagaatctagctgcggtgaataagagtcta 1380
          ||| atcttgcttattgatccgttggatatatcccagaatctagctgcggtgaataagagtcta |||
Sbjct: 1344 atcttgcttattgatccgttggatatatcccagaatctagctgcggtgaataagagtcta 1403

Query: 1381 agtgatgcactacaacacttagcacaaagtgcacatacctttctgcaatcacatcagct 1440
          ||| agtgatgcactacaacacttagcacaaagtgcacatacctttctgcaatcacatcagct |||
Sbjct: 1404 agtgatgcactacaacacttagcacaaagtgcacatacctttctgcaatcacatcagct 1463

Query: 1441 acgactacaagtgattatccataatggcaatctgtcttggatcgtaggtttaatatta 1500
          ||| acgactacaagtgattatccataatggcaatctgtcttggatcgtaggtttaatatta |||
Sbjct: 1464 acgactacaagtgattatccataatggcaatctgtcttggatcgtaggtttaatatta 1523

Query: 1501 ataatcttgctcagtgtagttgtgtggaagttattgaccattgtcactgctaatacgaat 1560
          ||| ataatcttgctcagtgtagttgtgtggaagttattgaccattgttctgctaatacgaat |||
Sbjct: 1524 ataatcttgctcagtgtagttgtgtggaagttattgaccattgttctgctaatacgaat 1583

Query: 1561 agaatggagaattttgtttatcataattcagcattccaccactcacgatctgatctcagt 1620
          ||| agaatggagaattttgtttatcataattcagcattccaccactcacgggtctgatctcagt |||
Sbjct: 1584 agaatggagaattttgtttatcataattcagcattccaccactcacgggtctgatctcagt 1643

Query: 1621 gagaaaaatcaacctgcaactcttggacaagataa 1656
          ||| gagaaaaatcaacctgcaactcttggacaagataa |||
Sbjct: 1644 gagaaaaatcaacctgcaactcttggacaagataa 1679
    
```

[gi|34194404|gb|BC032915.2](#) **U** Homo sapiens cDNA clone IMAGE:5265747, partial cds
 Length = 586

Score = 44.1 bits (22), Expect = 1.0
 Identities = 22/22 (100%)
 Strand = Plus / Plus

```

Query: 1280 atgtaacctacaatagcaccat 1301
          ||| atgtaacctacaatagcaccat |||
Sbjct: 325 atgtaacctacaatagcaccat 346
    
```

[gi|46200439|emb|BX072558.7](#) **D** Zebrafish DNA sequence from clone DKEY-71K18 in linkage group 8,
 complete sequence
 Length = 171364

Score = 44.1 bits (22), Expect = 1.0
 Identities = 22/22 (100%)
 Strand = Plus / Minus

```

Query: 422 aaaatgcaatccaaaaacaaa 443
          ||| aaaatgcaatccaaaaacaaa |||
Sbjct: 9119 aaaatgcaatccaaaaacaaa 9098
    
```

[gi|45725459|emb|BX255895.6](#) **D** Zebrafish DNA sequence from clone CH211-241M14 in linkage group 6,
 complete sequence
 Length = 159627

Score = 44.1 bits (22), Expect = 1.0

Identities = 22/22 (100%)
 Strand = Plus / Plus

Query: 491 cagttcaagcagttcaagatca 512
 |||||
 Sbjct: 30477 cagttcaagcagttcaagatca 30498

[gi|61985|emb|X57559.1|SNDNPPMF](#) **D** Parainfluenza type 2 virus NP, P, M, F, HM and L genes for nucleocapsid protein, phospho-protein, matrix protein, fusion protein, hemagglutinin-neuramidase and Large protein respectively
 Length = 15646

Score = 44.1 bits (22), Expect = 1.0
 Identities = 61/74 (82%)
 Strand = Plus / Plus

Query: 331 gctgcattaggagtagctactgcccgcacaggtcactgcccgcagtagcactagtaaaggca 390
 |||||
 Sbjct: 5131 gctgcattaggagtagccacagcccgcacaataactgcagctgtagcaatagtgaaagct 5190

Query: 391 aataaaaatgctgc 404
 |||
 Sbjct: 5191 aatgcaaatgctgc 5204

[gi|12057238|emb|AL390878.6|](#) **D** Human DNA sequence from clone RP11-442F12 on chromosome 13, complete sequence
 Length = 209794

Score = 44.1 bits (22), Expect = 1.0
 Identities = 22/22 (100%)
 Strand = Plus / Plus

Query: 1280 atgtaacctacaatagcaccat 1301
 |||||
 Sbjct: 108012 atgtaacctacaatagcaccat 108033

[gi|26655523|gb|AF533012.1|](#) **D** Human parainfluenza virus 2 strain GREER, complete genome
 Length = 15654

Score = 44.1 bits (22), Expect = 1.0
 Identities = 61/74 (82%)
 Strand = Plus / Plus

Query: 331 gctgcattaggagtagctactgcccgcacaggtcactgcccgcagtagcactagtaaaggca 390
 |||||
 Sbjct: 5135 gctgcattaggagtagccacagcccgcacaataactgcagctgtagcaatagtgaaagct 5194

Query: 391 aataaaaatgctgc 404
 |||
 Sbjct: 5195 aatgcaaatgctgc 5208

[gi|17149791|gb|AC073957.7|](#) **D** Homo sapiens BAC clone RP11-449P15 from 7, complete sequence
 Length = 196204

Score = 44.1 bits (22), Expect = 1.0
 Identities = 25/26 (96%)
 Strand = Plus / Plus

Query: 45 aggagcaggcagccttgatccagcag 70
 |||
 Sbjct: 136041 aggagcaggcagccttggtccagcag 136066

[>gi|51890190|emb|BX664731.12|](#) **D** Zebrafish DNA sequence from clone DKEY-67N5 in linkage group 8,
 complete sequence
 Length = 104134

Score = 44.1 bits (22), Expect = 1.0
 Identities = 22/22 (100%)
 Strand = Plus / Minus

Query: 422 aaaatgcaatccaaaaaaca 443
 |||
 Sbjct: 41426 aaaatgcaatccaaaaaaca 41405

[>gi|332698|gb|M60182.1|PIFFPRO](#) Human parainfluenza virus type 2 fusion protein gene, complete cds
 Length = 2030

Score = 44.1 bits (22), Expect = 1.0
 Identities = 61/74 (82%)
 Strand = Plus / Plus

Query: 331 gctgcattaggagtagctactgccgcacaggtcactgccgcagtagcactagtaaaggca 390
 |||
 Sbjct: 523 gctgcattaggagtagccacagccgcacaaataactgcagctgtagcaatagtgaaagct 582

Query: 391 aataaaaatgctgc 404
 |||
 Sbjct: 583 aatgcaaatgctgc 596

[>gi|332696|gb|M55698.1|PIFF0PB](#) **G** Human parainfluenza type 2 virus F gene, complete CDS
 Length = 1882

Score = 44.1 bits (22), Expect = 1.0
 Identities = 61/74 (82%)
 Strand = Plus / Plus

Query: 331 gctgcattaggagtagctactgccgcacaggtcactgccgcagtagcactagtaaaggca 390
 |||
 Sbjct: 389 gctgcattaggagtagccacagccgcacaaataactgcagctgtagcaatagtgaaagct 448

Query: 391 aataaaaatgctgc 404
 |||
 Sbjct: 449 aatgcaaatgctgc 462

[>gi|45774100|emb|CR382279.1|](#) **D** M.truncatula DNA sequence from clone XX-15G18, complete sequence
 Length = 140041

Score = 42.1 bits (21), Expect = 4.0
 Identities = 24/25 (96%)
 Strand = Plus / Plus

Query: 605 agttgacaactatcttcacaatca 629
 |||
 Sbjct: 46325 agttgacatctatcttcacaatca 46349

[>gi|50839038|gb|AC102229.7|](#) Mus musculus chromosome 15, clone RP24-70F9, complete sequence
Length = 202156

Score = 42.1 bits (21), Expect = 4.0
Identities = 24/25 (96%)
Strand = Plus / Plus

Query: 879 tgcattcattaacaatcaagaagtc 903
||||| |||||||||||||||||||||
Sbjct: 77648 tgcattcattaacaatcaagaagtc 77672

[>gi|50203518|gb|AC142256.4|](#) Mus musculus chromosome 3 clone RP24-528N23, complete sequence
Length = 183488

Score = 42.1 bits (21), Expect = 4.0
Identities = 21/21 (100%)
Strand = Plus / Plus

Query: 138 agcattcattgttgaagtt 158
||||| |||||||||||||||||||||
Sbjct: 154765 agcattcattgttgaagtt 154785

[>gi|50199014|gb|AC145219.16|](#) Medicago truncatula clone mth2-6m1, complete sequence
Length = 140462

Score = 42.1 bits (21), Expect = 4.0
Identities = 24/25 (96%)
Strand = Plus / Plus

Query: 605 agttgacaactatcttccacaatca 629
||||| |||||||||||||||||||||
Sbjct: 110068 agttgacatctatcttccacaatca 110092

[>gi|11493281|emb|AL356288.15|](#) Human DNA sequence from clone RP11-6E3 on chromosome 1, complete sequenc
Length = 184469

Score = 42.1 bits (21), Expect = 4.0
Identities = 21/21 (100%)
Strand = Plus / Plus

Query: 878 ctgcattcattaacaatcaag 898
||||| |||||||||||||||||||||
Sbjct: 143364 ctgcattcattaacaatcaag 143384

[>gi|17402760|gb|AC026703.4|](#) Homo sapiens chromosome 5 clone CTD-2029A10, complete sequence
Length = 132155

Score = 42.1 bits (21), Expect = 4.0
Identities = 21/21 (100%)
Strand = Plus / Plus

Query: 545 cagccaattgtaaggccaag 565
||||| |||||||||||||||||||||
Sbjct: 73267 cagccaattgtaaggccaag 73287

[gi|1082158|emb|Z68121.1|CET24D3](#) Caenorhabditis elegans cosmid T24D3, complete sequence
Length = 16343

Score = 42.1 bits (21), Expect = 4.0
Identities = 21/21 (100%)
Strand = Plus / Minus

Query: 74 tcatgcaaatacgggtgtcattc 94
|||||
Sbjct: 12866 tcatgcaaatacgggtgtcattc 12846

[gi|46240889|gb|AC118249.11](#) Mus musculus chromosome 19, clone RP23-397G23, complete sequence
Length = 224129

Score = 42.1 bits (21), Expect = 4.0
Identities = 24/25 (96%)
Strand = Plus / Minus

Query: 876 ttctgcattcattaacaatcaagaa 900
|||||
Sbjct: 80070 ttctgcattcattaacaatcaagaa 80046

[gi|26093895|dbj|AK050310.1](#) Mus musculus adult male liver tumor cDNA, RIKEN full-length
enriched library, clone:C730036F13
product:unclassifiable, full insert sequence
Length = 914

Score = 42.1 bits (21), Expect = 4.0
Identities = 24/25 (96%)
Strand = Plus / Minus

Query: 876 ttctgcattcattaacaatcaagaa 900
|||||
Sbjct: 862 ttctgcattcattaacaatcaagaa 838

[gi|46559239|emb|BX649547.7](#) Zebrafish DNA sequence from clone DKEY-19E10 in linkage group 3, complete
sequence
Length = 237569

Score = 42.1 bits (21), Expect = 4.0
Identities = 21/21 (100%)
Strand = Plus / Plus

Query: 384 aaaggcaaataaaaatgctgc 404
|||||
Sbjct: 117297 aaaggcaaataaaaatgctgc 117317

Get selected sequences

Select all

Deselect all

Lambda K H
1.37 0.711 1.31

Gapped

Lambda	K	H
1.37	0.711	1.31

Gap Penalties: Existence: 5, Extension: 2
Number of Sequences: 2615833
Number of Hits to DB: 19,220,446
Number of extensions: 1001757
Number of successful extensions: 5053
Number of sequences better than 10.0: 16
Number of HSP's better than 10.0 without gapping: 16
Number of HSP's gapped: 5053
Number of HSP's successfully gapped: 16
Number of extra gapped extensions for HSPs above 10.0: 5032
Length of query: 1656
Length of database: 11,857,287,733
Length adjustment: 23
Effective length of query: 1633
Effective length of database: 11,797,123,574
Effective search space: 19264702796342
Effective search space used: 19264702796342
A: 0
X1: 11 (21.8 bits)
X2: 15 (30.0 bits)
X3: 25 (50.0 bits)
S1: 12 (25.0 bits)
S2: 21 (42.1 bits)