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Supplementary Material for:

SECIS elements in the coding regions of selenoprotein transcripts are functional in higher eukaryotes

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Figure S1. Nucleotide sequence alignment of GPx4 sequences.
For: M. musculus, H. sapiens, G. gallus, A. thaliana, Fowlpox virus, and Canarypox virus

Figure S2. Alignment of GPx4 SECIS elements.
For: H. sapiens, M. musculus, G. gallus, Fowlpox, Canarypox, and MCV

Supplementary Table S1. Viral genome sequences used in a computational analysis
From Abelson murine leukemia virus *through* Zygosaccharomyces bailii virus Z

Figure S1. Nucleotide sequence alignment of GPx4 sequences. Location of SECIS elements is highlighted in red and their conserved regions are indicated.

```
M.musculus         1 ATGAGCTGGGGCCGTCTGAGCCGCTTACTTAAGCCAGCACTGCTGTGCGGGGCTCTGGCT
H.sapiens          1 ATGAGCCTCGGCCGCCTTTGCCGCCTACTGAAGCCGGCGCTGCTCTGTGGGGCTCTGGCC
G.gallus           1 ------------------------------------------------------------
A.thaliana         1 ------------------------------------------------------------
Fowlpox virus      1 ------------------------------------------------------------
Canarypox virus    1 ------------------------------------------------------------

M.musculus        61 GCGCCTGGTCTGGCAGGCACCATGTGTGGATCCCGCGATGATTGGCGCTGTGCGCGCTCC
H.sapiens         61 GCGCCTGGCCTGGCCGGGACCATGTGCGGTCCCGGGACGACTGGCGCTGTGCGCGCTCC
G.gallus           1 ---------------------ATGTGCGGTCAGGCGGACGAGTGGCGCTCGGCCACCTCC
A.thaliana         1 ---------------------ATGGGTGCTTC------TGCTTCGGTTCCCGAGAGATCC
Fowlpox virus      1 ---------------------ATGAATG---------ATGATTGGATATTGCATCATACC
Canarypox virus    1 ---------------------ATGGATG---------ACGATTGGATACTTAAACATAAT

M.musculus       121 ATGCACGAATTCTCAGCCAAGGACATCGACGGGCACATGGTCTGCCTGGATAAGTACAGG
H.sapiens        121 ATGCACGAGTTTTCCGCCAAGGACATCGACGGGCACATGGTTAACCTGGACAAGTACCGG
G.gallus          40 ATCTACGACTTCCACGCGGGGGACATCGACGGCCGCGATGTGTCCCTGGAGCAGTACAGG
A.thaliana        34 GTCCATCAATTCACTGTAAAGGATAGCTCCGGCAAGGACCTGAATATGAGCATTTACCAA
Fowlpox virus     31 ATTTATAATTTTAACCTCAATCTATTAAATGGGGAGAGTTTTGACTTTAAAACTATATAAA
Canarypox virus   31 ATTTATGGATTTAATATTAATCTCATAAATGGAAAAAACTTCAAGTTATCCGCATATAAA

M.musculus       181 GGTTTCGTGTGCATCGTCACCAACGTGGCCTCGGAATGAGGCAAAACTGACGTAAACTAC
H.sapiens        181 GGCTTCGTGTGCATCGTCACCAACGTGGCCTCCCAGTGAGGCAAGACCGAAGTAAACTAC
G.gallus         100 GGCTTCGTCTGCATCATCACCAACGTGGCGTCCAAATGAGGAAAGACCGCGGTGAATTAC
A.thaliana        94 GGGAAAGTCCTCCTCATCCTCAATGTTGGTTCCAAATGCGGTTTCACCGAAACAAACTAT
Fowlpox virus     91 GATAAGATATGTATATTTGTAAACGTAGCATCGGAATGACGACTAGCTGACAGGAATTAT
Canarypox virus   91 GATCGCATATGCTTGTTTGTTAACGTAGCTAGTGAATGCCAACTGCCCGATAAAATTTAT

M.musculus       241 ACTCAGCTAGTCGATCTGGATGCCCGATATGCTGAGTGTGGTTTACGAATCCTGGCCTTC
H.sapiens        241 ACTCAGCTCGTCGACCTGCACGCCCGATACGCTGAGTGTGGTTTCCGGATCCTGGCCTTC
G.gallus         160 ACTCAGCTCGTCGATCTGCACGCGCGATACGCTGAGAAGGGGCTCGCGCATCCTGGCCTTC
A.thaliana       154 ACACAGCTCACCGAACTTTACCGGAAATACAACGACCAAGATTTTGAGATCTTGGCATTC
Fowlpox virus    151 AAGGAACTTACAAAATTATACGAGAGGTATTTTTGTGATGGATTACGTATAATGGCATTT
Canarypox virus  151 AAAGAACTTACAGAACTATATTCCAAATATTTTTATGATGGATTACGTATAATGGCCTTT

M.musculus       301 CCCTGCAACCAGTTTGGGAGGCAGGAGCCAGGAAGTAATCAAGAAATCAAGGAGTTTGCA
H.sapiens        301 CCGTGTAACCAGTTCGGGAAGCAGGAGCCAGGGAGTAACGAAGAGATCAAAGAGTTCGCC
G.gallus         220 CCCTGCAACCAGTTCGGGAAGCAGGAGCCCGGGGACGACCCGCAGATCAAAGCCTTTGCG
A.thaliana       214 CCTTGCAACCAGTTTCTATACCAGGAGCCCGGCACAAGTCAAGAGGCTCATGAATTTGCC
Fowlpox virus    211 CCTTGTAACCAGTTTGGTGGACAAGAACCAGGTGGTGTCAAAGAAATAATGGAACCATA
Canarypox virus  211 CCTTGTAACCAATTTGGTAAACAAGAACCAGGTAATAAAAAAGAGATAATGAATACGTTA

M.musculus       361 ---GCCGGCTACAACGTCAAGTTTGACATGTACAGCAAGATCTGTGTAAATGGGGACGAT
H.sapiens        361 ---GCGGGCTACAACGTCAAATTCGATATGTTCAGCAAGATCTGCGTGAACGGGGACGAC
gallus           280 ---GAGGGCTACGGGGTGAAGTTCGACATGTTCAGCAAAATTGAGGTCAATGGGGACGGC
A.thaliana       274 TGCGAACGCTTTAAGGCCGAATACCCTGTTTTCCAAAAGGTACGCGTAAACGGTCAAAAC
Fowlpox virus    271 ---AAGAAATATTCGGTATTATTTGATGTGTCCGAAAAGGTAATAGTAAATACCATATAC
Canarypox virus  271 ---AAAAAATATTCTGTATTATTCGACGTATCTGAAAAGGTACTAGTTAATACTATATAC

M.musculus       418 GCCCACCCACTGTGGAAATGGATGAAAGTCCAGCCCAAGGGCAGGGGCATGCTGGGAAAT
H.sapiens        418 GCCCACCCGCTGTGGAAGTGGATGAAGATCCAACCCAAGGGCAAGGGCATCCTGGGAAAT
G.gallus         337 GCCCACCCGCTGTGGAAGTGGCTGAAGAGCAGCCCCAAGGGCCCGGGCACGCTGGGGAAT
A.thaliana       334 GCAGCACCAATCTATAAATTCCTTAAGG--CAAGTAAA----CCCACCTTTCTGGGTTCC
Fowlpox virus    328 GCGCATCCTTTATGGAAGTGGTTACAAACAAGCCCTATA---CTGGGAGATGTGCCCGGT
Canarypox virus  328 GCTCATCCATTATGGAAATGGTTACAGACTAGAGCCCCA---CTAGGCCATATAGCGGGT

M.musculus       478 GCCATCAAATGGAACTTTACCAAGTTTCTCATTGATAAGAACGGCTGCGTGGTGAAGCGC
H.sapiens        478 GCCATCAAGTGGAACTTCACCAAGTTCCTCATCGACAAGAACGGCTGCGTGGTGAAGCGC
G.gallus         397 GCCATCAAGTGGAACTTCACTAAGTTTCTTATCAACCGTGAGGGCCAAGTGGTGAAAAGG
A.thaliana       388 AGAATTAAGTGGAACTTCACCAAGTTCTTGGTCGGCAAAGATGGCTTAGTGATTGATCGT
Fowlpox virus    385 CCTATAAAATGGAATTTTTGTAAGTTTCTAATAAGTCCTTTTGGTTACGTTATTAAGAGA
Canarypox virus  385 CCTATCAGATGGAATTTTTGTAAGTTCCTTATAAGTCCAATGGGTTATGTCATTAAAAGA

M.musculus       538 TATGGTCCCATGGAGGAGCCCCAGGTGATAGAGAAGGACCTGCCCTGCTATCTCTAC---
H.sapiens        538 TACGGACCCATGGAGGAGCCCCTGGTGATAGAGAAGGACCTGCCCCACTATTTCTAG---
G.gallus         457 TACAGCCCAATGGAGGATCCTTACGTGATCGAGAAGGATCTGCCCGCCTACCTGTAG---
A.thaliana       448 TATGGCACCGATGGTTACACCGCTATTCAATCGAGAAAGACATCAAGAAAGGTCTTGAAGAC
Fowlpox virus    445 TTCGATCCTGAAGTCAACCCTATGTCGATACAAAAAGATATAGAACATGTTATAGAACAA
Canarypox virus  445 TACGATCCCGTAATTAACCCTATGAGTATTGAAAATGATATAAAAAAAGTCATAGAACAA

M.musculus           ------------------------------------------------------------
H.sapiens        ------------------------------------------------------------
G.gallus             ------------------------------------------------------------
A.thaliana       508 GCTTGA------------------------------------------------------
Fowlpox virus    505 CGTGCTAATGAAGAAATGACTATAAATAGATGGGTCATGCCTGACACGCATTGTTCTGAG
Canarypox virus  505 CGAGATAATGAAGAAATGGTCCTAAACAGATGGGTCGTTCCTGACACCCCGTGTTCTGAA

M.musculus           ------------------------------------------
H.sapiens            ------------------------------------------
G.gallus             ------------------------------------------
A.thaliana           ------------------------------------------
Fowlpox virus    565 GAAGAATCTCTTTCTAAAGATGTGTTAAATGACGTATAA---
Canarypox virus  565 GAC-AAT--------AACAAAATACCAGGCGACGTATACTGA
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Figure S2. Alignment of GPx4 SECIS elements.

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                                                SECIS core                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                
                                                SECIS core
H.sapiens     ACCCCCTCGGAGCCTTCCACC--GGCACTC ATGAC GGCCTGCCTGC AA ACC----TGC TGGTGGGGCAGACC CGAAA AATCCAGCGTGCACCC-C-GCC
M.musculus    TGACCCCTGGAGCCTTCCACCCCGGCACTC ATGAA GGTCTGCCTGA AA ACCAGCCTGC TGGTGGGGCAGTCC TGAG GACCTGGCGTGCATCC-CTGCC
G.gallus      GCTCCCCGTGGGCCCCCTCCTCCAGCAC-C ATGAC GGCCTGCCTTG AA GCCAGCTTGC TGGTGAGGCAGACC CGAA GATTCGGCGTGCACCTGCTGGA
Fowlpox       ATATAGAACATGTTATAGAACAACGTGCTA ATGAA GAAATGACTAT AA ATA------- -GATGGGTCATGCC TGAC -ACGCATTGT---TCTGAGGAA
Canarypox     ATATAAAAAAAGTCATAGAACAACGAGATA ATGAA GAAATGGTCCT AA ACA------- -GATGGGTCGTTCC TGAC -ACCCCGTGT---TCTGAAGAC
MCV           CCTTGGCGGGGATCTTGCGTGCCTTCGCCA ATGAC GGCGTCTCTCG AA CACCGACAAG GAGGGAGAGCTGCC CGAG TTTCGGAAGAGCAAGCGAGAGA
```

Supplementary Table S1.
Viral genome sequences used in a computational analysis

Abelson murine leukemia virus		NC_001499	5894 nt	Jan 12 2004
Abutilon mosaic virus	DNA A	NC_001928	2632 nt	Dec 17 2003
Abutilon mosaic virus	DNA B	NC_001929	2585 nt	Nov 12 1990
Acanthamoeba polyphaga mimivirus		NC_006450	1181404 nt	Aug 1 2003
Acheta domesticus densovirus		NC_004290	5234 nt	Apr 22 2005
Acidianus two-tailed virus		NC_007409	62730 nt	Sep 12 2005
Aconitum latent virus		NC_002795	8657 nt	Nov 15 2002
Acute bee paralysis virus		NC_002548	9491 nt	Sep 14 2000
Acyrthosiphon pisum virus		NC_003780	10035 nt	Dec 9 1997
Adeno-associated virus - 2		NC_001401	4675 nt	Apr 27 1993
Adeno-associated virus - 3		NC_001729	4726 nt	Jul 11 1996
Adeno-associated virus - 5		NC_006152	4642 nt	Aug 30 2004
Adeno-associated virus 1		NC_002077	4718 nt	Apr 26 1999
Adeno-associated virus 4		NC_001829	4767 nt	Aug 21 1997
Adeno-associated virus 7		NC_006260	4721 nt	Sep 2 2002
Adeno-associated virus 8		NC_006261	4393 nt	Sep 2 2002
Adoxophyes honmai nucleopolyhedrovirus		NC_004690	113220 nt	Apr 5 2003
Adoxophyes orana granulovirus		NC_005038	99657 nt	Jul 15 2003
Adult diarrheal rotavirus strain J19	1	NC_007548	3538 nt	Nov 2 2005
Adult diarrheal rotavirus strain J19	10	NC_007557	739 nt	Nov 2 2005
Adult diarrheal rotavirus strain J19	11	NC_007558	649 nt	Nov 2 2005
Adult diarrheal rotavirus strain J19	2	NC_007549	2969 nt	Nov 2 2005
Adult diarrheal rotavirus strain J19	3	NC_007551	2204 nt	Nov 2 2005
Adult diarrheal rotavirus strain J19	4	NC_007550	2512 nt	Nov 2 2005
Adult diarrheal rotavirus strain J19	5	NC_007552	1307 nt	Nov 2 2005
Adult diarrheal rotavirus strain J19	6	NC_007553	1287 nt	Nov 2 2005
Adult diarrheal rotavirus strain J19	7	NC_007555	932 nt	Nov 2 2005
Adult diarrheal rotavirus strain J19	8	NC_007554	1004 nt	Nov 2

				2005
Adult diarrheal rotavirus strain J19	9	NC_007556	820 nt	Nov 2 2005
Aedes albopictus densovirus		NC_004285	4176 nt	Jul 7 1994
Aedes pseudoscutellaris reovirus	1	NC_007666	3817 nt	Nov 23 2005
Aedes pseudoscutellaris reovirus	2	NC_007667	3752 nt	Nov 23 2005
Aedes pseudoscutellaris reovirus	3	NC_007668	3732 nt	Nov 23 2005
Aedes pseudoscutellaris reovirus	4	NC_007669	3375 nt	Nov 23 2005
Aedes pseudoscutellaris reovirus	5	NC_007670	3227 nt	Nov 23 2005
Aedes pseudoscutellaris reovirus	6	NC_007671	1775 nt	Nov 23 2005
Aedes pseudoscutellaris reovirus	7	NC_007672	1171 nt	Nov 23 2005
Aedes pseudoscutellaris reovirus	8	NC_007673	1151 nt	Nov 23 2005
Aedes pseudoscutellaris reovirus	9	NC_007674	1147 nt	Nov 23 2005
African cassava mosaic virus	DNA A	NC_001467	2779 nt	Mar 2 2001
African cassava mosaic virus	DNA B	NC_001468	2724 nt	Mar 2 2001
African green monkey polyomavirus		NC_004763	5270 nt	May 2 2003
African horsesickness virus	segment 1	NC_006021	3965 nt	Jul 13 2004
African horsesickness virus	segment 2	NC_005996	3203 nt	Jul 13 2004
African horsesickness virus	segment 3	NC_006017	2792 nt	Jul 13 2004
African horsesickness virus	segment 4	NC_006012	1978 nt	Jul 13 2004
African horsesickness virus	segment 5	NC_006020	1748 nt	Jul 13 2004
African horsesickness virus	segment 6	NC_006018	1566 nt	Jul 13 2004
African horsesickness virus	segment 7	NC_006011	1179 nt	Jul 13 2004
African horsesickness virus	segment 8	NC_006016	1166 nt	Jul 13 2004
African horsesickness virus	segment 9	NC_006019	1169 nt	Jul 13 2004
African horsesickness virus	segment 10	NC_006009	758 nt	Jul 13 2004
African swine fever virus		NC_001659	170101 nt	Jan 12 2004
Ageratum enation virus		NC_003434	2746 nt	Mar 4 2002
Ageratum leaf curl disease associated sequence		NC_005046	1351 nt	Jul 29 2003
Ageratum leaf curl virus -[G52]		NC_006384	2735 nt	Oct 26 2004

Ageratum yellow vein China virus		NC_004090	2768 nt	Jul 30 2002
Ageratum yellow vein China virus-associated DNA beta		NC_007067	1323 nt	May 23 2005
Ageratum yellow vein Sri Lanka virus		NC_002981	2748 nt	Jul 4 2001
Ageratum yellow vein Taiwan virus		NC_004627	2734 nt	Mar 21 2003
Ageratum yellow vein virus		NC_004626	2741 nt	Dec 13 1995
Ageratum yellow vein virus-associated DNA beta		NC_003403	1347 nt	Jun 10 2000
Ageratum yellow vein virus-associated nanovirus DNA		NC_003414	1360 nt	Feb 14 2002
Agropyron mosaic virus		NC_005903	9540 nt	Jul 20 2004
Agrotis segetum granulovirus		NC_005839	131680 nt	Apr 5 2004
Agrotis segetum nucleopolyhedrovirus		NC_007921	147544 nt	Mar 27 2006
Aichi virus		NC_001918	8251 nt	Nov 19 2002
Alcelaphine herpesvirus 1		NC_002531	130608 nt	Aug 21 1997
Aleutian mink disease virus		NC_001662	4801 nt	May 18 1995
Alfalfa mosaic virus	RNA 1	NC_001495	3644 nt	Aug 2 1993
Alfalfa mosaic virus	RNA 2	NC_002024	2593 nt	Jul 16 2004
Alfalfa mosaic virus	RNA 3	NC_002025	2037 nt	Aug 2 1993
Alkhurma virus		NC_004355	10685 nt	Jan 8 2003
Alstroemeria virus x		NC_007408	7009 nt	Sep 6 2005
Alternanthera mosaic virus		NC_007731	6607 nt	Jan 25 2006
Alternanthera yellow vein virus		NC_007211	2745 nt	Aug 2 2005
Amasya cherry disease associated partitivirus	RNA 1	NC_006441	2002 nt	Sep 10 2004
Amasya cherry disease associated partitivirus	RNA 2	NC_006440	1839 nt	Sep 10 2004
Ambystoma tigrinum virus		NC_005832	106332 nt	Mar 24 2004
American plum line pattern virus	RNA 1	NC_003451	3373 nt	Mar 2 2001
American plum line pattern virus	RNA 2	NC_003452	2404 nt	Mar 2 2001
American plum line pattern virus	RNA 3	NC_003453	2053 nt	Mar 2 2001
Amsacta moorei entomopoxvirus		NC_002520	232392 nt	Mar 7 2002
Andes virus	Segment L	NC_003468	6562 nt	Oct 10 2000
Andes virus	Segment M	NC_003467	3671 nt	Oct 10 2000
Andes virus	Segment S	NC_003466	1871 nt	Oct 10

				2000
Angelonia flower break virus		NC_007733	3964 nt	Jan 25 2006
Aphid lethal paralysis virus		NC_004365	9812 nt	Nov 14 2002
Apoi virus		NC_003676	10116 nt	Jan 13 2003
Apple chlorotic leaf spot virus		NC_001409	7555 nt	Apr 28 1993
Apple latent spherical virus	RNA 1	NC_003787	6812 nt	Nov 15 2002
Apple latent spherical virus	RNA 2	NC_003788	3384 nt	Nov 15 2002
Apple mosaic virus	RNA 1	NC_003464	3476 nt	Sep 19 1999
Apple mosaic virus	RNA 2	NC_003465	2979 nt	Sep 19 1999
Apple mosaic virus	RNA 3	NC_003480	2056 nt	Nov 5 1994
Apple stem grooving virus		NC_001749	6495 nt	May 26 1993
Apple stem pitting virus		NC_003462	9306 nt	May 17 1994
Apricot pseudo-chlorotic leaf spot virus		NC_006946	7494 nt	Apr 7 2005
Aquareovirus A	1	NC_007582	3947 nt	Nov 7 2005
Aquareovirus A	11	NC_007591	783 nt	Nov 7 2005
Aquareovirus A	2	NC_007583	3867 nt	Nov 7 2005
Aquareovirus A	3	NC_007584	3690 nt	Nov 7 2005
Aquareovirus A	4	NC_007585	1619 nt	Nov 7 2005
Aquareovirus A	5	NC_007586	2242 nt	Nov 7 2005
Aquareovirus A	6	NC_007592	2052 nt	Nov 7 2005
Aquareovirus A	7	NC_007587	1395 nt	Nov 7 2005
Aquareovirus A	8	NC_007588	1317 nt	Nov 7 2005
Aquareovirus A	9	NC_007589	1118 nt	Nov 7 2005
Aquareovirus C	segment 1	NC_005166	3949 nt	Nov 3 2003
Aquareovirus C	segment 2	NC_005167	3877 nt	Nov 3 2003
Aquareovirus C	segment 3	NC_005168	3702 nt	Nov 3 2003
Aquareovirus C	segment 4	NC_005169	2320 nt	Nov 3 2003
Aquareovirus C	segment 5	NC_005170	2239 nt	Nov 3 2003
Aquareovirus C	segment 6	NC_005171	2039 nt	Nov 3 2003

Aquareovirus C	segment 7	NC_005172	1414 nt	Nov 3 2003
Aquareovirus C	segment 8	NC_005173	1297 nt	Nov 3 2003
Aquareovirus C	segment 9	NC_005174	1130 nt	Nov 3 2003
Aquareovirus C	segment 10	NC_005175	909 nt	Nov 3 2003
Aquareovirus C	segment 11	NC_005176	820 nt	Nov 3 2003
Arabis mosaic virus	RNA 1	NC_006057	7334 nt	Jul 23 2004
Arabis mosaic virus	RNA 2	NC_006056	3820 nt	Jul 22 2004
Arabis mosaic virus satellite RNA		NC_003523	1104 nt	Apr 29 1993
Arabis mosaic virus small satellite RNA		NC_001546	300 nt	Aug 3 1993
Arctic ground squirrel hepatitis B virus		NC_001719	3302 nt	Aug 9 1995
Artichoke mottled crinkle virus		NC_001339	4789 nt	May 29 1992
Ateline herpesvirus 3		NC_001987	108409 nt	Dec 16 1998
Atkinsonella hypoxylon partitivirus	segment 1	NC_003470	2180 nt	Jan 27 1995
Atkinsonella hypoxylon partitivirus	segment 2	NC_003471	2135 nt	Jan 27 1995
Atkinsonella hypoxylon partitivirus	segment 3	NC_003472	1790 nt	Jan 27 1995
Atlantic salmon swim bladder sarcoma virus		NC_007654	10305 nt	Dec 1 2005
Aura virus		NC_003900	11824 nt	Apr 9 2003
Australian bat lyssavirus		NC_003243	11822 nt	Aug 10 1999
Autographa californica nucleopolyhedrovirus		NC_001623	133894 nt	Mar 8 1999
Avian adeno-associated virus ATCC VR-865		NC_004828	4694 nt	Jun 9 2003
Avian adeno-associated virus strain DA-1		NC_006263	4682 nt	Jun 26 2004
Avian carcinoma virus		NC_001402	2630 nt	Apr 27 1993
Avian encephalomyelitis virus		NC_003990	7055 nt	Dec 2 1998
Avian endogenous retrovirus EAV-HP		NC_005947	4302 nt	Jun 25 2004
Avian infectious bronchitis virus		NC_001451	27608 nt	Nov 19 2002
Avian leukosis virus - RSA		NC_001408	7286 nt	Apr 28 1993
Avian metapneumovirus		NC_007652	14071 nt	Nov 19 2005
Avian myelocytomatosis virus		NC_001866	3392 nt	Jan 21 1998
Avian paramyxovirus 6		NC_003043	16236 nt	Aug 1 2001

B19 virus		NC_000883	5594 nt	Aug 2 1999
BK polyomavirus		NC_001538	5153 nt	Aug 3 1993
Baboon polyomavirus 1		NC_007611	5230 nt	Oct 3 2005
Bamboo mosaic virus		NC_001642	6366 nt	Mar 16 1996
Bamboo mosaic virus satellite RNA		NC_003497	836 nt	Oct 15 1994
Banana bunchy top virus	DNA 1	NC_003479	1111 nt	Jun 28 1993
Banana bunchy top virus	DNA 2	NC_003475	1060 nt	Jun 21 1995
Banana bunchy top virus	DNA 3	NC_003473	1075 nt	Jun 21 1995
Banana bunchy top virus	DNA 4	NC_003474	1043 nt	Jun 21 1995
Banana bunchy top virus	DNA 5	NC_003477	1018 nt	Jun 21 1995
Banana bunchy top virus	DNA 6	NC_003476	1089 nt	Jun 21 1995
Banana mild mosaic virus		NC_002729	7352 nt	Apr 2 2001
Banana streak GF virus		NC_007002	7263 nt	May 16 2005
Banana streak Mysore virus		NC_006955	7650 nt	Feb 9 2005
Banana streak OL virus		NC_003381	7389 nt	Jun 2 1998
Banana streak virus strain Acuminata Vietnam		NC_007003	7801 nt	Oct 11 2004
Banna virus	segment 1	NC_004211	3747 nt	Jun 27 2000
Banna virus	segment 2	NC_004217	3048 nt	Jun 27 2000
Banna virus	segment 3	NC_004218	2400 nt	Jun 27 2000
Banna virus	segment 4	NC_004219	2038 nt	Jun 27 2000
Banna virus	segment 5	NC_004220	1716 nt	Jun 27 2000
Banna virus	segment 6	NC_004221	1671 nt	Jun 27 2000
Banna virus	segment 7	NC_004204	1136 nt	Nov 7 1998
Banna virus	segment 8	NC_004203	1119 nt	Nov 7 1998
Banna virus	segment 9	NC_004202	1101 nt	Nov 7 1998
Banna virus	segment 10	NC_004201	977 nt	Nov 7 1998
Banna virus	segment 11	NC_004200	867 nt	Nov 7 1998
Banna virus	segment 12	NC_004198	862 nt	Nov 6 1998
Barley mild mosaic virus	RNA 1	NC_003483	7262 nt	Nov 15 2002
Barley mild mosaic virus	RNA 2	NC_003482	3524 nt	Nov 15

				2002
Barley stripe mosaic virus	RNA 1	NC_003469	3768 nt	Aug 2 1993
Barley stripe mosaic virus	RNA 2	NC_003481	3289 nt	Nov 18 1986
Barley stripe mosaic virus	RNA 3	NC_003478	3164 nt	May 18 1995
Barley yellow dwarf virus - GAV		NC_004666	5685 nt	Mar 29 2003
Barley yellow dwarf virus - MAV		NC_003680	5273 nt	Apr 20 2002
Barley yellow dwarf virus - PAV		NC_004750	5677 nt	Apr 29 2003
Barley yellow dwarf virus-PAS		NC_002160	5695 nt	Jan 19 2000
Barley yellow mosaic virus	RNA 1	NC_002990	7637 nt	Nov 15 2002
Barley yellow mosaic virus	RNA 2	NC_002991	3582 nt	Nov 15 2002
Barmah Forest virus		NC_001786	11488 nt	Apr 8 2003
Beak and feather disease virus		NC_001944	1993 nt	Sep 9 1998
Bean calico mosaic virus	DNA A	NC_003504	2603 nt	Apr 4 1999
Bean calico mosaic virus	DNA B	NC_003505	2572 nt	Apr 4 1999
Bean common mosaic necrosis virus		NC_004047	9612 nt	Nov 15 2002
Bean common mosaic virus		NC_003397	9992 nt	Feb 6 2002
Bean dwarf mosaic virus	DNA A	NC_001931	2615 nt	Apr 28 1993
Bean dwarf mosaic virus	DNA B	NC_001930	2576 nt	Apr 28 1993
Bean golden mosaic virus	DNA A	NC_004042	2617 nt	Aug 2 1993
Bean golden mosaic virus	DNA B	NC_004043	2580 nt	Aug 2 1993
Bean golden yellow mosaic virus	DNA A	NC_001439	2647 nt	Dec 5 1996
Bean golden yellow mosaic virus	DNA B	NC_001438	2585 nt	Apr 29 1993
Bean leafroll virus		NC_003369	5964 nt	Jan 21 2002
Bean pod mottle virus	RNA 1	NC_003496	5995 nt	Nov 15 2002
Bean pod mottle virus	RNA 2	NC_003495	3662 nt	Nov 15 2002
Bean yellow dwarf virus		NC_003493	2561 nt	Jul 28 1997
Bean yellow mosaic virus		NC_003492	9532 nt	Nov 15 2002
Beet black scorch virus		NC_004452	3644 nt	Dec 18 2002
Beet black scorch virus satellite RNA		NC_006460	615 nt	Oct 1 2004
Beet chlorosis virus		NC_002766	5776 nt	May 3 2001

Beet curly top virus		NC_001412	2994 nt	Sep 5 2003
Beet mild curly top virus		NC_004753	2930 nt	Apr 28 2003
Beet mild yellowing virus		NC_003491	5722 nt	Aug 18 1995
Beet mosaic virus		NC_005304	9591 nt	Dec 20 2003
Beet necrotic yellow vein virus	RNA 1	NC_003514	6746 nt	Dec 20 2003
Beet necrotic yellow vein virus	RNA 2	NC_003515	4609 nt	Oct 10 2002
Beet necrotic yellow vein virus	RNA 3	NC_003516	1774 nt	May 8 1996
Beet necrotic yellow vein virus	RNA 4	NC_003517	1465 nt	May 8 1996
Beet necrotic yellow vein virus	RNA 5	NC_003513	1320 nt	Sep 2 1995
Beet pseudo-yellows virus	RNA 1	NC_005209	8007 nt	Nov 11 2003
Beet pseudo-yellows virus	RNA 2	NC_005210	7904 nt	Nov 11 2003
Beet ringspot virus	RNA 1	NC_003693	7362 nt	Nov 15 2002
Beet ringspot virus	RNA 2	NC_003694	4662 nt	Nov 15 2002
Beet severe curly top virus		NC_004754	2927 nt	Apr 28 2003
Beet soil-borne mosaic virus	RNA 1	NC_003506	6683 nt	Nov 15 2002
Beet soil-borne mosaic virus	RNA 2	NC_003503	4616 nt	May 18 1998
Beet soil-borne mosaic virus	RNA 3	NC_003507	1720 nt	Aug 2 2000
Beet soil-borne mosaic virus	RNA 4	NC_003508	1203 nt	Aug 2 2000
Beet soil-borne virus	RNA 1	NC_003520	5834 nt	Jan 16 1998
Beet soil-borne virus	RNA 2	NC_003518	3454 nt	Feb 14 1997
Beet soil-borne virus	RNA 3	NC_003519	3005 nt	Mar 13 1996
Beet virus Q	RNA 1	NC_003510	6003 nt	Sep 4 1998
Beet virus Q	RNA 2	NC_003511	2913 nt	Sep 4 1998
Beet virus Q	RNA 3	NC_003512	2529 nt	Sep 4 1998
Beet western yellows ST9 associated virus		NC_004045	2843 nt	Jun 11 1993
Beet western yellows virus		NC_004756	5666 nt	Apr 30 2003
Beet yellows virus		NC_001598	15480 nt	Nov 15 2002
Begomovirus-associated DNA-II		NC_006956	1032 nt	Mar 2 2005
Begomovirus-associated DNA-III		NC_006957	1209 nt	Mar 2 2005
Beilong virus		NC_007803	19212 nt	Feb 24 2006
Bhendi yellow vein mosaic virus		NC_003418	2741 nt	Apr 13

				2000
Bhendi yellow vein mosaic virus-associated DNA beta		NC_003405	1353 nt	Feb 3 2001
Bitter gourd leaf curl disease-associated DNA beta		NC_007655	1354 nt	Dec 19 2005
Black beetle virus	RNA 1	NC_001411	3106 nt	Apr 22 2005
Black beetle virus	RNA 2	NC_002037	1399 nt	Jun 13 1985
Black queen cell virus		NC_003784	8550 nt	May 29 2000
Blackberry yellow vein virus	RNA1	NC_006962	7801 nt	Apr 8 2005
Blackberry yellow vein virus	RNA2	NC_006963	7917 nt	Jan 3 2005
Blackcurrant reversion virus	RNA 1	NC_003509	7711 nt	Nov 15 2002
Blackcurrant reversion virus	RNA 2	NC_003502	6405 nt	Jan 5 1999
Blattella germanica densovirus		NC_005041	5335 nt	Feb 16 2003
Blueberry red ringspot virus		NC_003138	8303 nt	Oct 11 2001
Blueberry scorch virus		NC_003499	8512 nt	Nov 15 2002
Bluetongue virus	segment 1	NC_006023	3944 nt	Jul 13 2004
Bluetongue virus	segment 2	NC_006013	2953 nt	Jul 13 2004
Bluetongue virus	segment 3	NC_006014	2772 nt	Jul 13 2004
Bluetongue virus	segment 4	NC_006024	1980 nt	Jul 13 2004
Bluetongue virus	segment 5	NC_006025	1769 nt	Jul 13 2004
Bluetongue virus	segment 6	NC_006010	1638 nt	Jul 13 2004
Bluetongue virus	segment 7	NC_006022	1156 nt	Jul 13 2004
Bluetongue virus	segment 8	NC_006007	1125 nt	Jul 13 2004
Bluetongue virus	segment 9	NC_006008	1049 nt	Jul 13 2004
Bluetongue virus	segment 10	NC_006015	822 nt	Jul 13 2004
Bombyx mori cypovirus 1 satellite RNA		NC_006630	647 nt	Jan 7 2005
Bombyx mori densovirus 1		NC_003346	5076 nt	Dec 31 2001
Bombyx mori densovirus 5		NC_004287	5078 nt	Jan 12 2004
Bombyx mori nucleopolyhedrovirus		NC_001962	128413 nt	Oct 14 1998
Boolarra virus	RNA 1	NC_004142	3096 nt	Mar 5 2001
Boolarra virus	RNA 2	NC_004145	1305 nt	Nov 23 1989
Border disease virus 1		NC_003679	12333 nt	Jan 23 2003

Borna disease virus	NC_001607	8910 nt	Apr 22 2004
Botrytis virus F	NC_002604	6827 nt	Oct 14 2000
Botrytis virus X	NC_005132	6966 nt	Oct 1 2003
Bovine adeno-associated virus	NC_005889	4693 nt	Jun 14 2004
Bovine adenovirus A	NC_006324	34185 nt	Sep 28 2004
Bovine adenovirus B	NC_001876	34446 nt	Mar 6 1998
Bovine adenovirus D	NC_002685	31301 nt	Aug 27 2003
Bovine circovirus	NC_002068	1768 nt	Dec 17 1998
Bovine coronavirus	NC_003045	31028 nt	Dec 3 2002
Bovine enterovirus	NC_001859	7414 nt	Nov 19 2002
Bovine ephemeral fever virus	NC_002526	14900 nt	Sep 6 2000
Bovine foamy virus	NC_001831	12002 nt	Sep 3 1997
Bovine herpesvirus 1	NC_001847	135301 nt	Nov 25 1997
Bovine herpesvirus 4	NC_002665	108873 nt	Feb 14 2001
Bovine herpesvirus 5	NC_005261	138390 nt	Jan 9 2004
Bovine immunodeficiency virus	NC_001413	8482 nt	Apr 28 1993
Bovine kobuvirus	NC_004421	8374 nt	Nov 7 2003
Bovine leukemia virus	NC_001414	8419 nt	Jan 12 2004
Bovine papillomavirus - 1	NC_001522	7945 nt	Jan 28 1986
Bovine papillomavirus - 3	NC_004197	7276 nt	Sep 16 2002
Bovine papillomavirus - 7	NC_007612	7412 nt	Oct 29 2005
Bovine papillomavirus type 5	NC_004195	7841 nt	Sep 16 2002
Bovine papular stomatitis virus	NC_005337	134431 nt	Jan 21 2004
Bovine parainfluenza virus 3	NC_002161	15456 nt	Jan 27 2000
Bovine parvovirus	NC_001540	5517 nt	May 18 1995
Bovine parvovirus 2	NC_006259	5610 nt	Oct 2 2001
Bovine polyomavirus	NC_001442	4697 nt	Apr 29 1993
Bovine respiratory syncytial virus	NC_001989	15140 nt	Dec 17 1998
Bovine viral diarrhea virus 1	NC_001461	12573 nt	Jan 17 2003
Bovine viral diarrhea virus genotype 2	NC_002032	12255 nt	Jan 24 2003

Breda virus		NC_007447	28475 nt	Sep 6 2005
Broad bean mottle virus	RNA 1	NC_004008	3158 nt	Apr 28 1993
Broad bean mottle virus	RNA 2	NC_004007	2799 nt	Apr 28 1993
Broad bean mottle virus	RNA 3	NC_004006	2293 nt	Apr 28 1993
Broad bean necrosis virus	RNA 1	NC_004423	5600 nt	Nov 20 2002
Broad bean necrosis virus	RNA 2	NC_004424	2831 nt	Nov 20 2002
Broad bean necrosis virus	RNA 3	NC_004425	2417 nt	Nov 20 2002
Broad bean wilt virus 1	RNA 1	NC_005289	5817 nt	Dec 17 2003
Broad bean wilt virus 1	RNA 2	NC_005290	3446 nt	Dec 17 2003
Broad bean wilt virus 2	RNA 1	NC_003003	5951 nt	Nov 15 2002
Broad bean wilt virus 2	RNA 2	NC_003004	3607 nt	Nov 15 2002
Brome mosaic virus	RNA 1	NC_002026	3234 nt	Jan 28 1986
Brome mosaic virus	RNA 2	NC_002027	2865 nt	Jan 28 1986
Brome mosaic virus	RNA 3	NC_002028	2117 nt	Jul 13 1983
Brome streak mosaic virus		NC_003501	9672 nt	Nov 15 2002
Budgerigar fledgling polyomavirus		NC_004764	4981 nt	May 2 2003
Bunyamwera virus	segment L	NC_001925	6875 nt	Jul 30 1991
Bunyamwera virus	segment M	NC_001926	4458 nt	Apr 28 1993
Bunyamwera virus	segment S	NC_001927	961 nt	Apr 29 1993
Cabbage leaf curl virus	DNA A	NC_003866	2583 nt	Nov 1 1996
Cabbage leaf curl virus	DNA B	NC_003887	2513 nt	Nov 1 1996
Cacao swollen shoot virus		NC_001574	7161 nt	Aug 4 1993
Cactus virus X		NC_002815	6614 nt	Jul 2 2001
Calicivirus isolate TCG		NC_006875	7453 nt	Feb 21 2004
Calicivirus strain NB		NC_004064	7453 nt	Jul 1 2002
Callitrichine herpesvirus 3		NC_004367	149696 nt	Nov 14 2002
Camelpox virus		NC_003391	205719 nt	Feb 4 2002
Canary circovirus		NC_003410	1952 nt	Jul 26 2001
Canarypox virus		NC_005309	359853 nt	Jan 3 2004
Canine adenovirus		NC_001734	30536 nt	Sep 5 1996
Canine calicivirus		NC_004542	8513 nt	Feb 14

				2003
Canine distemper virus		NC_001921	15690 nt	Jul 21 1998
Canine minute virus		NC_004442	5097 nt	Dec 17 2002
Canine oral papillomavirus		NC_001619	8607 nt	Jun 15 1995
Canine papillomavirus 2		NC_006564	8101 nt	Sep 18 2004
Canine parvovirus		NC_001539	5323 nt	Jan 12 2004
Caprine arthritis-encephalitis virus		NC_001463	9189 nt	Aug 2 1993
Cardamine chlorotic fleck virus		NC_001600	4041 nt	Aug 4 1993
Carnation Italian ringspot virus		NC_003500	4760 nt	Mar 28 1995
Carnation etched ring virus		NC_003498	7932 nt	Jun 23 1988
Carnation mottle virus		NC_001265	4003 nt	Apr 22 2004
Carnation ringspot virus	RNA 1	NC_003530	3840 nt	Jul 26 1993
Carnation ringspot virus	RNA 2	NC_003531	1403 nt	Apr 5 1991
Carrot mottle mimic virus		NC_001726	4201 nt	Jun 12 1996
Carrot red leaf luteovirus associated RNA		NC_003871	2835 nt	Nov 2 1997
Carrot red leaf virus		NC_006265	5723 nt	Aug 28 2004
Casphalia extranea densovirus		NC_004288	5002 nt	Jan 1 2002
Cassava common mosaic virus		NC_001658	6376 nt	Apr 15 1995
Cassava vein mosaic virus		NC_001648	8159 nt	Jul 2 1996
Cassia yellow blotch virus	RNA 1	NC_006999	3178 nt	May 12 2005
Cassia yellow blotch virus	RNA 2	NC_007000	2720 nt	May 12 2005
Cassia yellow blotch virus	RNA 3	NC_007001	2091 nt	May 12 2005
Cauliflower mosaic virus		NC_001497	8024 nt	Nov 3 1982
Cell fusing agent virus		NC_001564	10695 nt	Jan 14 2003
Cercopithecine herpesvirus 1		NC_004812	156789 nt	May 22 2003
Cercopithecine herpesvirus 15		NC_006146	171096 nt	Aug 24 2004
Cercopithecine herpesvirus 16		NC_007653	156487 nt	Dec 8 2005
Cercopithecine herpesvirus 17		NC_003401	133719 nt	Mar 24 1999
Cercopithecine herpesvirus 2		NC_006560	150715 nt	Oct 4 2004
Cercopithecine herpesvirus 7		NC_002686	124138 nt	Oct 28 2000

Cercopithecine herpesvirus 8		NC_006150	221454 nt	Aug 26 2004
Cereal yellow dwarf virus-RPS		NC_002198	5662 nt	Apr 12 2000
Cereal yellow dwarf virus-RPV		NC_004751	5723 nt	Apr 28 2003
Cereal yellow dwarf virus-RPV satellite RNA		NC_003533	322 nt	Aug 2 1993
Cestrum yellow leaf curling virus		NC_004324	8253 nt	Jul 7 2003
Chaetoceros salsugineum nuclear inclusion virus		NC_007193	6000 nt	Feb 4 2006
Channa lucius virus	segment A	NC_005982	3429 nt	Jul 10 2004
Channa lucius virus	segment B	NC_005983	2750 nt	Jul 12 2004
Chayote mosaic virus		NC_002588	6364 nt	Nov 21 1999
Chayote yellow mosaic virus		NC_004618	2787 nt	Jan 5 1998
Cherry chlorotic rusty spot associated partitivirus	RNA 1	NC_006442	2021 nt	Sep 10 2004
Cherry chlorotic rusty spot associated partitivirus	RNA 2	NC_006443	1841 nt	Sep 10 2004
Cherry green ring mottle virus		NC_001946	8372 nt	Sep 14 1998
Cherry mottle leaf virus		NC_002500	8018 nt	Jul 20 2000
Cherry necrotic rusty mottle virus		NC_002468	8432 nt	Jun 22 2000
Cherry rasp leaf virus	RNA1	NC_006271	7034 nt	Sep 15 2004
Cherry rasp leaf virus	RNA2	NC_006272	3315 nt	Sep 15 2004
Cherry virus A		NC_003689	7383 nt	Oct 3 1995
Chicken anemia virus		NC_001427	2319 nt	Aug 2 1993
Chicken astrovirus		NC_003790	6927 nt	Mar 22 2000
Chicory yellow mottle virus large satellite RNA		NC_003778	1165 nt	Apr 29 1993
Chicory yellow mottle virus satellite RNA		NC_003971	457 nt	Apr 29 1993
Chicory yellow mottle virus satellite RNA L1		NC_006452	1145 nt	Apr 29 1993
Chicory yellow mottle virus small satellite RNA		NC_006453	457 nt	Apr 29 1993
Chikungunya virus		NC_004162	11826 nt	Sep 6 2002
Chilli leaf curl disease associated sequence		NC_005048	1387 nt	Jul 29 2003
Chilli leaf curl virus		NC_004628	2754 nt	Mar 21 2003
Chilli veinal mottle virus		NC_005778	9711 nt	Mar 4 2004
Chimpanzee cytomegalovirus		NC_003521	241087 nt	Apr 2 2002
Chinese wheat mosaic virus	RNA 1	NC_002359	7147 nt	May 3 1999

Chinese wheat mosaic virus	RNA 2	NC_002356	3569 nt	May 3 1999
Chino del tomate virus	DNA A	NC_003830	2634 nt	Feb 23 1999
Chino del tomate virus	DNA B	NC_003831	2579 nt	Feb 23 1999
Chloris striate mosaic virus		NC_001466	2750 nt	Aug 29 2003
Choristoneura fumiferana MNPV		NC_004778	129593 nt	May 1 2003
Choristoneura fumiferana defective nucleopolyhedrovirus		NC_005137	131160 nt	Oct 11 2003
Chrysodeixis chalcites nucleopolyhedrovirus		NC_007151	149622 nt	Jun 29 2005
Chum salmon reovirus CS	10	NC_007590	985 nt	Nov 14 2001
Citrus leaf blotch virus		NC_003877	8747 nt	May 25 2001
Citrus leaf rugose virus	RNA 1	NC_003548	3404 nt	Aug 2 1995
Citrus leaf rugose virus	RNA 2	NC_003547	2990 nt	Dec 7 1994
Citrus leaf rugose virus	RNA 3	NC_003546	2289 nt	Apr 5 1995
Citrus psorosis virus	RNA1	NC_006314	8186 nt	Jul 18 2004
Citrus psorosis virus	RNA2	NC_006315	1645 nt	Jul 18 2004
Citrus psorosis virus	RNA3	NC_006316	1447 nt	Jul 18 2004
Citrus sudden death-associated virus		NC_006950	6820 nt	Apr 7 2005
Citrus tristeza virus		NC_001661	19296 nt	Dec 9 2002
Citrus yellow mosaic virus		NC_003382	7559 nt	Oct 25 2001
Classical swine fever virus		NC_002657	12301 nt	Jan 24 2003
Clover yellow mosaic virus		NC_001753	7015 nt	Mar 1 2001
Clover yellow vein virus		NC_003536	9584 nt	Nov 15 2002
Cocksfoot mottle virus		NC_002618	4082 nt	Nov 19 2003
Cocksfoot streak virus		NC_003742	9663 nt	Nov 15 2002
Coconut foliar decay virus		NC_001465	1291 nt	Aug 2 1993
Colorado tick fever virus	segment 1	NC_004181	4350 nt	Nov 25 2000
Colorado tick fever virus	segment 2	NC_004182	3909 nt	Aug 16 2000
Colorado tick fever virus	segment 3	NC_004183	3586 nt	Aug 16 2000
Colorado tick fever virus	segment 4	NC_004184	3157 nt	Aug 16 2000
Colorado tick fever virus	segment 5	NC_004185	2432 nt	Aug 16

				2000
Colorado tick fever virus	segment 6	NC_004186	2141 nt	Aug 16 2000
Colorado tick fever virus	segment 7	NC_004187	2133 nt	Aug 16 2000
Colorado tick fever virus	segment 8	NC_004188	2029 nt	Aug 16 2000
Colorado tick fever virus	segment 9	NC_004180	1884 nt	Dec 4 1997
Colorado tick fever virus	segment 10	NC_004189	1880 nt	Aug 16 2000
Colorado tick fever virus	segment 11	NC_004191	998 nt	Oct 29 1996
Colorado tick fever virus	segment 12	NC_004190	675 nt	Apr 25 1996
Columbid circovirus		NC_002361	2037 nt	Jun 5 2000
Commelina yellow mottle virus		NC_001343	7489 nt	Oct 5 1990
Common chimpanzee papillomavirus 1		NC_001838	7889 nt	Oct 1 1997
Coniothyrium minitans mycovirus		NC_007523	4975 nt	Jan 1 2003
Corchorus yellow vein virus - [Hoa Binh]	DNA A	NC_006358	2724 nt	Sep 21 2004
Corchorus yellow vein virus - [Hoa Binh]	DNA B	NC_006359	2691 nt	Sep 21 2004
Cotesia congregata virus	Circle1	NC_006633	27346 nt	Jan 13 2005
Cotesia congregata virus	Circle10	NC_006642	14286 nt	Jan 13 2005
Cotesia congregata virus	Circle11	NC_006643	12903 nt	Jan 13 2005
Cotesia congregata virus	Circle12	NC_006644	16103 nt	Jan 13 2005
Cotesia congregata virus	Circle13	NC_006645	21388 nt	Jan 13 2005
Cotesia congregata virus	Circle14	NC_006646	31972 nt	Jan 13 2005
Cotesia congregata virus	Circle15	NC_006647	8785 nt	Jan 13 2005
Cotesia congregata virus	Circle17	NC_006648	15158 nt	Jan 13 2005
Cotesia congregata virus	Circle18	NC_006649	32108 nt	Jan 13 2005
Cotesia congregata virus	Circle19	NC_006650	18768 nt	Jan 13 2005
Cotesia congregata virus	Circle2	NC_006634	14975 nt	Jan 13 2005
Cotesia congregata virus	Circle20	NC_006651	19161 nt	Jan 13 2005
Cotesia congregata virus	Circle21	NC_006652	4981 nt	Oct 12 2004
Cotesia congregata virus	Circle22	NC_006653	26062 nt	Jan 13 2005
Cotesia congregata virus	Circle23	NC_006654	13597 nt	Jan 13 2005
Cotesia congregata virus	Circle25	NC_006655	15279 nt	Jan 13 2005

Cotesia congregata virus	Circle26	NC_006656	12682 nt	Jan 13 2005
Cotesia congregata virus	Circle3	NC_006635	29874 nt	Jan 13 2005
Cotesia congregata virus	Circle30	NC_006657	19820 nt	Jan 13 2005
Cotesia congregata virus	Circle31	NC_006658	30655 nt	Jan 13 2005
Cotesia congregata virus	Circle32	NC_006659	41573 nt	Jan 13 2005
Cotesia congregata virus	Circle33	NC_006660	20197 nt	Jan 13 2005
Cotesia congregata virus	Circle35	NC_006661	11186 nt	Jan 13 2005
Cotesia congregata virus	Circle36	NC_006662	17477 nt	Jan 13 2005
Cotesia congregata virus	Circle4	NC_006636	15876 nt	Jan 13 2005
Cotesia congregata virus	Circle5	NC_006637	14489 nt	Jan 13 2005
Cotesia congregata virus	Circle6	NC_006638	15230 nt	Jan 13 2005
Cotesia congregata virus	Circle7	NC_006639	24748 nt	Jan 13 2005
Cotesia congregata virus	Circle8	NC_006640	5032 nt	Jan 13 2005
Cotesia congregata virus	Circle9	NC_006641	15959 nt	Jan 13 2005
Cotton leaf crumple geminivirus	DNA A	NC_004580	2630 nt	Mar 6 2003
Cotton leaf crumple geminivirus	DNA B	NC_004581	2550 nt	Mar 6 2003
Cotton leaf curl Alabad virus		NC_004582	2744 nt	Mar 6 2003
Cotton leaf curl Bangalore virus		NC_007290	2751 nt	Aug 5 2005
Cotton leaf curl Bangalore virus-associated DNA beta		NC_007219	1355 nt	Aug 2 2005
Cotton leaf curl Gezira virus		NC_002510	2764 nt	Aug 4 2000
Cotton leaf curl Gezira virus-associated DNA beta		NC_006935	1348 nt	Apr 7 2005
Cotton leaf curl Kokhran virus		NC_004583	2748 nt	Mar 6 2003
Cotton leaf curl Multan virus		NC_004607	2751 nt	Mar 11 2003
Cotton leaf curl Multan virus satellite U36-1		NC_007721	1350 nt	Jan 7 2006
Cotton leaf curl Rajasthan virus		NC_003199	2754 nt	Jun 20 2001
Cotton leaf curl virus-associated DNA beta		NC_003200	1351 nt	Jul 6 2001
Cottontail rabbit papillomavirus		NC_001541	7868 nt	Mar 2 2001
Cowpea aphid-borne mosaic virus		NC_004013	9465 nt	Nov 15 2002
Cowpea chlorotic mottle virus	RNA 1	NC_003543	3171 nt	Aug 2 1993

Cowpea chlorotic mottle virus	RNA 2	NC_003541	2774 nt	Aug 2 1993
Cowpea chlorotic mottle virus	RNA 3	NC_003542	2173 nt	Aug 2 1993
Cowpea mosaic virus	RNA 1	NC_003549	5889 nt	Nov 15 2002
Cowpea mosaic virus	RNA 2	NC_003550	3481 nt	Nov 15 2002
Cowpea mottle virus		NC_003535	4029 nt	Apr 10 2002
Cowpea severe leaf curl-associated DNA beta		NC_006952	1379 nt	Feb 22 2005
Cowpea severe mosaic virus	RNA 1	NC_003545	5957 nt	Nov 15 2002
Cowpea severe mosaic virus	RNA 2	NC_003544	3732 nt	Nov 15 2002
Cowpox virus		NC_003663	224499 nt	May 19 2003
Cricket paralysis virus		NC_003924	9185 nt	Jul 2 2000
Crimean-Congo hemorrhagic fever virus	L	NC_005301	12108 nt	Sep 27 2005
Crimean-Congo hemorrhagic fever virus	M	NC_005300	5366 nt	Dec 13 2003
Crimean-Congo hemorrhagic fever virus	S	NC_005302	1672 nt	Dec 13 2003
Croton yellow vein mosaic virus		NC_004300	2757 nt	Sep 18 2002
Crow polyomavirus		NC_007922	5079 nt	Mar 19 2006
Crucifer tobamovirus		NC_003355	6298 nt	Jan 5 2002
Cryphonectria hypovirus 1		NC_001492	12734 nt	Aug 2 1993
Cryphonectria hypovirus 2		NC_003534	12507 nt	Jul 14 1994
Cryphonectria hypovirus 3		NC_000960	9799 nt	Nov 29 1999
Cryphonectria hypovirus 4		NC_006431	9149 nt	Oct 31 2003
Cryphonectria parasitica mitovirus 1-NB631		NC_004046	2728 nt	Jan 27 1995
Cryptophlebia leucotreta granulovirus		NC_005068	110907 nt	Aug 7 2002
Cucumber Bulgarian virus		NC_004725	4576 nt	Apr 17 2003
Cucumber fruit mottle mosaic virus		NC_002633	6562 nt	Dec 28 2000
Cucumber green mottle mosaic virus		NC_001801	6424 nt	Apr 29 1993
Cucumber leaf spot virus		NC_007816	4433 nt	Mar 1 2006
Cucumber mosaic virus	RNA 1	NC_002034	3357 nt	Apr 29 1993
Cucumber mosaic virus	RNA 2	NC_002035	3050 nt	Apr 15 2002
Cucumber mosaic virus	RNA 3	NC_001440	2216 nt	Apr 29 1993

Cucumber mosaic virus satellite RNA		NC_002602	336 nt	Aug 2 1993
Cucumber necrosis virus		NC_001469	4701 nt	Aug 2 1993
Cucumber vein yellowing virus		NC_006941	9751 nt	Mar 17 2005
Cucumber yellows virus	RNA 1	NC_004716	7899 nt	Apr 11 2003
Cucumber yellows virus	RNA 2	NC_004717	7607 nt	Apr 15 2003
Cucurbit aphid-borne yellows virus		NC_003688	5669 nt	Jan 13 1994
Cucurbit leaf curl virus	DNA A	NC_002984	2632 nt	Oct 25 2000
Cucurbit leaf curl virus	DNA B	NC_002985	2600 nt	Feb 9 2000
Cucurbit yellow stunting disorder virus	RNA 1	NC_004809	9123 nt	May 19 2003
Cucurbit yellow stunting disorder virus	RNA 2	NC_004810	7976 nt	May 17 2003
Cucurbita yellow vein virus-associated DNA beta		NC_005875	667 nt	May 10 2004
Culex nigripalpus baculovirus		NC_003084	108252 nt	Aug 22 2001
Cycas necrotic stunt virus	RNA 1	NC_003791	7471 nt	Nov 15 2002
Cycas necrotic stunt virus	RNA 2	NC_003792	4669 nt	Nov 15 2002
Cydia pomonella granulovirus		NC_002816	123500 nt	Apr 2 2001
Cymbidium mosaic virus		NC_001812	6227 nt	May 19 1997
Cymbidium ringspot virus		NC_003532	4733 nt	Nov 23 1989
Cymbidium ringspot virus satellite RNA		NC_004009	619 nt	Apr 29 1993
Cypovirus 1	RNA 1	NC_003016	4164 nt	Jul 17 2001
Cypovirus 1	RNA 2	NC_003017	3853 nt	Jul 17 2001
Cypovirus 1	RNA 3	NC_003018	3846 nt	Jul 17 2001
Cypovirus 1	RNA 4	NC_003019	3262 nt	Jul 17 2001
Cypovirus 1	RNA 5	NC_003020	2851 nt	Jul 17 2001
Cypovirus 1	RNA 6	NC_003021	1792 nt	Jul 17 2001
Cypovirus 1	RNA 7	NC_003022	1501 nt	Jul 17 2001
Cypovirus 1	RNA 8	NC_003023	1332 nt	Jul 17 2001
Cypovirus 1	RNA 9	NC_003024	1187 nt	Jul 17 2001
Cypovirus 1	RNA 10	NC_003025	944 nt	Jul 17 2001
Cypovirus 14	RNA 1	NC_003006	4329 nt	Jul 16 2001

Cypovirus 14	RNA 2	NC_003007	4056 nt	Jul 16 2001
Cypovirus 14	RNA 3	NC_003008	3921 nt	Jul 16 2001
Cypovirus 14	RNA 4	NC_003009	3339 nt	Jul 16 2001
Cypovirus 14	RNA 5	NC_003010	3159 nt	Jul 16 2001
Cypovirus 14	RNA 6	NC_003011	1783 nt	Jul 16 2001
Cypovirus 14	RNA 7	NC_003012	1391 nt	Jul 16 2001
Cypovirus 14	RNA 8	NC_003013	1250 nt	Jul 16 2001
Cypovirus 14	RNA 9	NC_003014	1141 nt	Jul 16 2001
Cypovirus 14	RNA 10	NC_003015	956 nt	Jul 16 2001
Dasheen mosaic virus		NC_003537	10038 nt	Nov 15 2002
Deer papillomavirus		NC_001523	8374 nt	Mar 8 2002
Deformed wing virus		NC_004830	10140 nt	Dec 15 2002
Dendrolimus punctatus densovirus		NC_006555	5039 nt	Sep 8 2004
Dendrolimus punctatus tetravirus	RNA1	NC_005898	5492 nt	May 22 2004
Dendrolimus punctatus tetravirus	RNA2	NC_005899	2490 nt	May 22 2004
Dengue virus type 1		NC_001477	10735 nt	Nov 15 2002
Dengue virus type 2		NC_001474	10703 nt	Nov 18 2002
Dengue virus type 3		NC_001475	10696 nt	Aug 2 1993
Dengue virus type 4		NC_002640	10649 nt	Aug 22 2005
Diaporthe ambigua RNA virus 1		NC_001278	4113 nt	Jan 4 2000
Diatraea saccharalis densovirus		NC_001899	5941 nt	Jun 2 1998
Dicliptera yellow mottle virus	DNA A	NC_003856	2607 nt	Jan 1 2000
Dicliptera yellow mottle virus	DNA B	NC_003857	2597 nt	Jan 12 2000
Digitaria streak virus		NC_001478	2701 nt	Aug 2 1993
Discula destructiva virus 1	RNA 1	NC_002797	1787 nt	Jan 28 2001
Discula destructiva virus 1	RNA 2	NC_002800	1585 nt	Feb 27 2001
Discula destructiva virus 1	RNA 3	NC_002801	1181 nt	Jan 28 2001
Discula destructiva virus 1	RNA 4	NC_002802	308 nt	Jan 28 2001
Discula destructiva virus 2	segment 1	NC_003710	1781 nt	Jun 10 2001
Discula destructiva virus 2	segment 2	NC_003711	1611 nt	Jun 10 2001

Dobrava-Belgrade virus	segment L	NC_005235	6532 nt	Nov 25 2003
Dobrava-Belgrade virus	segment M	NC_005234	3635 nt	Nov 25 2003
Dobrava-Belgrade virus	segment S	NC_005233	1673 nt	Nov 25 2003
Dolphin morbillivirus		NC_005283	15702 nt	Nov 21 2003
Drosophila C virus		NC_001834	9264 nt	Sep 10 1997
Drosophila x virus	segment A	NC_004177	3360 nt	Sep 16 1996
Drosophila x virus	segment B	NC_004169	3243 nt	Oct 11 2001
Duck adenovirus A		NC_001813	33213 nt	May 31 1997
Duck circovirus		NC_007220	1991 nt	Jul 17 2005
Duck hepatitis B virus		NC_001344	3027 nt	Nov 19 1992
Duck picornavirus TW90A		NC_006553	8289 nt	Sep 1 2004
Dugbe virus	segment L	NC_004159	12255 nt	Mar 31 1995
Dugbe virus	segment M	NC_004158	4888 nt	Jan 12 2004
Dugbe virus	segment S	NC_004157	1716 nt	Feb 2 2002
Dulcamara mottle virus		NC_007609	6181 nt	Nov 1 2005
East African cassava mosaic Cameroon virus	DNA A	NC_004625	2802 nt	Mar 20 2003
East African cassava mosaic Cameroon virus	DNA B	NC_004630	2741 nt	Mar 21 2003
East African cassava mosaic Zanzibar virus	DNA A	NC_004655	2785 nt	Mar 28 2003
East African cassava mosaic Zanzibar virus	DNA B	NC_004656	2763 nt	Mar 28 2003
East African cassava mosaic virus	DNA A	NC_004674	2799 nt	Apr 3 2003
East African cassava mosaic virus	DNA B	NC_004676	2777 nt	Apr 5 2003
East Asian Passiflora virus		NC_007728	10046 nt	Jan 20 2006
Eastern equine encephalitis virus		NC_003899	11675 nt	Nov 19 2002
Ectocarpus siliculosus virus		NC_002687	335593 nt	Feb 27 2001
Ectromelia virus		NC_004105	209771 nt	May 31 1997
Ectropis obliqua picorna-like virus		NC_005092	9394 nt	Sep 13 2003
Eggplant mosaic virus		NC_001480	6331 nt	Aug 2 1993
Eimeria brunetti RNA virus 1		NC_002701	5358 nt	Mar 25 2001
Elm mottle virus	RNA 1	NC_003569	3431 nt	Oct 2 1996
Elm mottle virus	RNA 2	NC_003568	2874 nt	Nov 2

				1995
Elm mottle virus	RNA 3	NC_003570	2315 nt	Jun 3 1997
Emiliania huxleyi virus 86		NC_007346	407339 nt	Aug 10 2005
Encephalomyocarditis virus		NC_001479	7835 nt	Nov 19 2002
Enzootic nasal tumour virus of goats		NC_004994	7448 nt	Jul 8 2003
Epinephelus tauvina nervous necrosis virus	RNA 1	NC_004137	3103 nt	Mar 21 2001
Epinephelus tauvina nervous necrosis virus	RNA 2	NC_004136	1433 nt	Mar 21 2001
Epiphyas postvittana nucleopolyhedrovirus		NC_003083	118584 nt	Aug 19 2001
Equid herpesvirus 1		NC_001491	150224 nt	Jul 15 2004
Equid herpesvirus 2		NC_001650	184427 nt	Mar 7 1995
Equid herpesvirus 4		NC_001844	145597 nt	Nov 12 1997
Equine arteritis virus		NC_002532	12704 nt	Jul 16 1991
Equine foamy virus		NC_002201	12035 nt	Apr 20 2000
Equine infectious anemia virus		NC_001450	8359 nt	Jan 21 1998
Equine rhinitis A virus		NC_003982	7734 nt	Nov 19 2002
Equine rhinitis B virus 1		NC_003983	8828 nt	Apr 12 1996
Equine rhinovirus 3		NC_003077	8821 nt	Nov 19 2002
Equinus papillomavirus		NC_004194	7613 nt	Sep 16 2002
Equus caballus papillomavirus type 1		NC_003748	7610 nt	Apr 28 2002
Erethizon dorsatum papillomavirus type 1		NC_006951	7428 nt	Apr 7 2005
Erysimum latent virus		NC_001977	6035 nt	Nov 19 1998
Eupatorium yellow vein virus		NC_003556	2766 nt	Aug 1 2000
Eupatorium yellow vein virus-associated DNA beta		NC_004515	1356 nt	Jan 10 2003
Euphorbia leaf curl virus		NC_005319	2746 nt	Jan 13 2004
Euprosterna elaeasa virus		NC_003412	5698 nt	Oct 29 2003
European brown hare syndrome virus		NC_002615	7442 nt	Feb 14 2003
European elk papillomavirus		NC_001524	8095 nt	May 9 1994
Eyach virus	segment 1	NC_003696	4349 nt	Apr 23 2002
Eyach virus	segment 2	NC_003697	3934 nt	Apr 23 2002
Eyach virus	segment 3	NC_003698	3585 nt	Apr 23

				2002
Eyach virus	segment 4	NC_003699	3156 nt	Apr 23 2002
Eyach virus	segment 5	NC_003700	2398 nt	Apr 23 2002
Eyach virus	segment 6	NC_003701	2178 nt	Apr 23 2002
Eyach virus	segment 7	NC_003702	2139 nt	Apr 23 2002
Eyach virus	segment 8	NC_003703	2028 nt	Apr 23 2002
Eyach virus	segment 9	NC_003704	1884 nt	Apr 23 2002
Eyach virus	segment 10	NC_003705	1879 nt	Apr 23 2002
Eyach virus	segment 11	NC_003706	1002 nt	Apr 23 2002
Eyach virus	segment 12	NC_003707	678 nt	Apr 23 2002
Faba bean necrotic yellows virus	DNA 1	NC_003558	1004 nt	Sep 4 1998
Faba bean necrotic yellows virus	DNA 2	NC_003560	1003 nt	Jun 2 1999
Faba bean necrotic yellows virus	DNA 3	NC_003561	996 nt	Jun 2 1999
Faba bean necrotic yellows virus	DNA 4	NC_003562	992 nt	Jun 2 1999
Faba bean necrotic yellows virus	DNA 5	NC_003563	1006 nt	Jun 2 1999
Faba bean necrotic yellows virus	DNA 6	NC_003564	1020 nt	Jun 2 1999
Faba bean necrotic yellows virus	DNA 7	NC_003565	1015 nt	Jun 2 1999
Faba bean necrotic yellows virus	DNA 8	NC_003566	986 nt	Jun 2 1999
Faba bean necrotic yellows virus	DNA 9	NC_003567	1007 nt	Jun 2 1999
Faba bean necrotic yellows virus	DNA 10	NC_003559	999 nt	Jun 2 1999
Feline calicivirus		NC_001481	7683 nt	Feb 6 2003
Feline coronavirus		NC_007025	29147 nt	May 14 2005
Feline foamy virus		NC_001871	10479 nt	May 6 1998
Feline immunodeficiency virus		NC_001482	9474 nt	Aug 2 1993
Feline leukemia virus		NC_001940	8448 nt	Aug 15 1998
Feline papillomavirus		NC_004765	8300 nt	May 2 2003
Fer-de-lance virus		NC_005084	15378 nt	Sep 5 2003
Figwort mosaic virus		NC_003554	7743 nt	Aug 19 1988
Fiji disease virus	1	NC_007159	4532 nt	May 1 2002
Fiji disease virus	10	NC_007162	1819 nt	Jun 14 2003
Fiji disease virus	2	NC_007154	3820 nt	Jan 5 1999
Fiji disease virus	3	NC_007158	3623 nt	Apr 2 2002
Fiji disease virus	4	NC_007155	3568 nt	Jan 5 1999
Fiji disease virus	5	NC_007160	3150 nt	May 1 2002
Fiji disease virus	6	NC_007157	2831 nt	Apr 2 2002

Fiji disease virus	7	NC_007163	2194 nt	Jun 1 2005
Fiji disease virus	8	NC_007161	1959 nt	Jun 14 2003
Fiji disease virus	9	NC_007156	1843 nt	Jan 5 1999
Finch polyomavirus		NC_007923	5278 nt	Mar 19 2006
Flock house virus	RNA 1	NC_004146	3107 nt	Jan 25 1994
Flock house virus	RNA 2	NC_004144	1400 nt	Nov 23 1989
Foot-and-mouth disease virus - type A		NC_011450	8161 nt	Jun 9 2004
Foot-and-mouth disease virus - type Asia 1		NC_004915	8167 nt	Oct 29 2003
Foot-and-mouth disease virus - type C		NC_002554	8115 nt	Nov 19 2002
Foot-and-mouth disease virus - type O		NC_004004	8134 nt	Nov 19 2002
Foot-and-mouth disease virus - type SAT 1		NC_011451	8173 nt	Jun 9 2004
Foot-and-mouth disease virus - type SAT 2		NC_003992	8203 nt	Jun 9 2004
Foot-and-mouth disease virus - type SAT 3		NC_011452	8170 nt	Jun 8 2004
Fowl adenovirus A		NC_001720	43804 nt	May 16 1996
Fowl adenovirus D		NC_000899	45063 nt	Mar 8 2002
Fowlpox virus		NC_002188	288539 nt	Mar 6 2002
Foxtail mosaic virus		NC_001483	6151 nt	Aug 2 1993
Fragaria chiloensis latent virus	RNA 1	NC_006566	3431 nt	Nov 28 2004
Fragaria chiloensis latent virus	RNA 2	NC_006567	2570 nt	Dec 14 2004
Fragaria chiloensis latent virus	RNA 3	NC_006568	2484 nt	Nov 2 2004
Friend murine leukemia virus		NC_001362	8323 nt	Oct 29 1991
Fringilla coelebs papillomavirus		NC_004068	7729 nt	Jul 10 2002
Frog adenovirus 1		NC_002501	26163 nt	Jul 20 2000
Frog virus 3		NC_005946	105903 nt	Jun 25 2004
Fujinami sarcoma virus		NC_001403	4788 nt	Jan 21 1998
Fusarium graminearum dsRNA mycovirus-1		NC_006937	6624 nt	Feb 1 2005
Fusarium poae virus 1	RNA 1	NC_003883	2185 nt	Dec 30 1998
Fusarium poae virus 1	RNA 2	NC_003884	2203 nt	Dec 30 1998
GB virus C/Hepatitis G virus		NC_001710	9392 nt	Mar 14 2003
Galinsoga mosaic virus		NC_001818	3803 nt	Jun 20 1997
Galleria mellonella densovirus		NC_004286	6039 nt	Sep 3 2003
Gallid herpesvirus 1		NC_006623	148687 nt	Jan 14

				2005
Gallid herpesvirus 2		NC_002229	174077 nt	May 2 2000
Gallid herpesvirus 3		NC_002577	164270 nt	Oct 12 2000
Garlic virus A		NC_003375	8660 nt	Apr 29 1993
Garlic virus C		NC_003376	8405 nt	Apr 29 1993
Garlic virus E		NC_004012	8451 nt	Feb 6 2002
Garlic virus X		NC_001800	8106 nt	Mar 14 1997
Getah virus		NC_006558	11597 nt	Sep 29 2004
Giardia lamblia virus		NC_003555	6277 nt	Apr 19 2002
Gibbon ape leukemia virus		NC_001885	8088 nt	Aug 2 1993
Goatpox virus Pellor		NC_004003	149599 nt	Jun 5 2002
Goose circovirus		NC_003054	1821 nt	Aug 7 2001
Goose hemorrhagic polyomavirus		NC_004800	5256 nt	May 10 2003
Goose paramyxovirus SF02		NC_005036	15192 nt	Sep 3 2002
Goose parvovirus		NC_001701	5106 nt	Dec 12 1995
Grapevine chrome mosaic virus	RNA 1	NC_003622	7212 nt	Nov 15 2002
Grapevine chrome mosaic virus	RNA 2	NC_003621	4441 nt	Nov 15 2002
Grapevine fanleaf virus	RNA 1	NC_003615	7342 nt	Nov 15 2002
Grapevine fanleaf virus	RNA 2	NC_003623	3774 nt	Nov 15 2002
Grapevine fanleaf virus satellite RNA		NC_003203	1114 nt	Apr 29 1993
Grapevine fleck virus		NC_003347	7564 nt	Jan 4 2002
Grapevine leafroll-associated virus 2		NC_007448	16494 nt	Oct 5 2005
Grapevine leafroll-associated virus 3		NC_004667	17919 nt	Mar 31 2003
Grapevine rootstock stem lesion associated virus		NC_004724	16527 nt	Apr 18 2003
Grapevine virus A		NC_003604	7351 nt	May 17 1994
Grapevine virus B		NC_003602	7599 nt	May 17 1994
Grass carp reovirus	RNA 1	NC_005155	3949 nt	Oct 31 2003
Grass carp reovirus	RNA 2	NC_005156	3877 nt	Oct 31 2003
Grass carp reovirus	RNA 3	NC_005157	3702 nt	Oct 31 2003
Grass carp reovirus	RNA 4	NC_005158	2320 nt	Oct 31 2003
Grass carp reovirus	RNA 5	NC_005159	2239 nt	Oct 31

				2003
Grass carp reovirus	RNA 6	NC_005160	2039 nt	Oct 31 2003
Grass carp reovirus	RNA 7	NC_005161	1414 nt	Oct 31 2003
Grass carp reovirus	RNA 8	NC_005154	1296 nt	Oct 29 2003
Grass carp reovirus	RNA 9	NC_005162	1130 nt	Oct 31 2003
Grass carp reovirus	RNA 10	NC_005163	909 nt	Oct 31 2003
Grass carp reovirus	RNA 11	NC_005164	820 nt	Oct 31 2003
Gremmeniella abietina RNA virus L1		NC_003876	5133 nt	Feb 21 2001
Gremmeniella abietina RNA virus L2		NC_005965	5129 nt	Jun 27 2004
Gremmeniella abietina RNA virus MS1	RNA 1	NC_004018	1782 nt	Apr 17 2002
Gremmeniella abietina RNA virus MS1	RNA 2	NC_004019	1586 nt	Apr 17 2002
Gremmeniella abietina RNA virus MS1	RNA 3	NC_004020	1186 nt	Apr 17 2002
Gremmeniella abietina RNA virus MS2	RNA 1	NC_006444	1781 nt	Nov 13 2004
Gremmeniella abietina RNA virus MS2	RNA 2	NC_006445	1586 nt	Nov 13 2004
Gremmeniella abietina RNA virus MS2	RNA 3	NC_006446	1186 nt	Nov 13 2004
Gremmeniella abietina mitochondrial RNA virus S2		NC_006264	2587 nt	Jun 27 2004
Gremmeniella abietina type B RNA virus XL		NC_007920	10375 nt	Mar 24 2006
Ground squirrel hepatitis virus		NC_001484	3311 nt	Aug 2 1993
Groundnut bud necrosis virus	Segment L	NC_003614	8911 nt	Jan 1 1998
Groundnut bud necrosis virus	Segment M	NC_003620	4801 nt	Jun 5 1996
Groundnut bud necrosis virus	Segment S	NC_003619	3057 nt	Jun 28 1995
Groundnut rosette virus		NC_003603	4019 nt	Jun 1 1996
Groundnut rosette virus Malawi chlorotic satellite RNA		NC_006455	901 nt	Nov 19 2004
Groundnut rosette virus Nigerian green satellite RNA		NC_006456	898 nt	Nov 19 2004
Groundnut rosette virus Nigerian mild satellite RNA		NC_006457	896 nt	Nov 19 2004
Groundnut rosette virus Yellow blotch satellite RNA		NC_006454	902 nt	Nov 19 2004
Groundnut rosette virus satellite RNA		NC_002738	893 nt	Jun 8 2000
Guanarito virus	segment L	NC_005082	7081 nt	Aug 30 2003
Guanarito virus	segment S	NC_005077	3343 nt	Aug 30 2003
Halovirus HF1		NC_004927	75898 nt	Jul 7 2003
Hamster polyomavirus		NC_001663	5366 nt	Oct 12 1988

Hantaan virus	segment L	NC_005222	6533 nt	Nov 15 1990
Hantaan virus	segment M	NC_005219	3616 nt	Nov 18 2003
Hantaan virus	segment S	NC_005218	1696 nt	Nov 18 2003
Hantavirus Z10	segment L	NC_006435	6533 nt	Oct 28 1999
Hantavirus Z10	segment M	NC_006437	3616 nt	Jul 26 2000
Hantavirus Z10	segment S	NC_006433	1701 nt	Oct 7 1999
Hantavirus Z37	segment L	NC_006438	6530 nt	Oct 30 2000
Hantavirus Z37	segment M	NC_006436	3651 nt	Nov 21 1999
Hantavirus Z37	segment S	NC_006434	1754 nt	Oct 7 1999
Helicobasidium mompa No.17 dsRNA virus	segment L	NC_005074	5207 nt	Aug 19 2003
Helicobasidium mompa No.17 dsRNA virus	segment S	NC_005075	2096 nt	Aug 19 2003
Helicoverpa armigera nuclear polyhedrosis virus		NC_003094	130759 nt	Aug 12 2004
Helicoverpa armigera nucleopolyhedrovirus G4		NC_002654	131403 nt	Mar 7 2002
Helicoverpa armigera stunt virus	RNA 1	NC_001981	5312 nt	Dec 18 1994
Helicoverpa armigera stunt virus	RNA 2	NC_001982	2478 nt	Jan 2 1995
Helicoverpa zea single nucleocapsid nucleopolyhedrovirus		NC_003349	130869 nt	Jan 1 2002
Heliothis zea virus 1		NC_004156	228089 nt	Jun 1 2002
Helminthosporium victoriae 145S virus	segment 1	NC_005978	3612 nt	Jul 10 2004
Helminthosporium victoriae 145S virus	segment 2	NC_005979	3134 nt	Jul 10 2004
Helminthosporium victoriae 145S virus	segment 3	NC_005980	2972 nt	Jul 10 2004
Helminthosporium victoriae 145S virus	segment 4	NC_005981	2763 nt	Jul 10 2004
Helminthosporium victoriae virus 190S		NC_003607	5178 nt	Jan 4 1998
Hendra virus		NC_001906	18234 nt	Jul 1 1998
Hepatitis A virus		NC_001489	7478 nt	Nov 19 2002
Hepatitis B virus		NC_003977	3215 nt	Oct 13 2005
Hepatitis C virus		NC_004102	9646 nt	Dec 5 2002
Hepatitis E virus		NC_001434	7176 nt	Aug 2 1993
Hepatitis GB virus A		NC_001837	9550 nt	Mar 14 2003
Hepatitis GB virus B		NC_001655	9399 nt	Dec 9 2002
Hepatitis delta virus		NC_001653	1682 nt	Mar 7 2002
Hepatopancreatic parvovirus of penaeid shrimp		NC_007218	6321 nt	Jun 30 2005

Heron hepatitis B virus		NC_001486	3027 nt	Aug 2 1993
Heterocapsa circularisquama RNA virus		NC_007518	4375 nt	Oct 27 2005
Heterosigma akashiwo RNA virus		NC_005281	8587 nt	Dec 5 2003
Hibiscus chlorotic ringspot virus		NC_003608	3911 nt	Mar 17 2000
Himetobi P virus		NC_003782	9275 nt	Aug 30 1998
Hirame rhabdovirus		NC_005093	11034 nt	Sep 13 2003
His1 virus		NC_007914	14462 nt	Mar 20 2006
His2 virus		NC_007918	16067 nt	Mar 20 2006
Hollyhock leaf crumple virus		NC_004071	2755 nt	Jan 8 2002
Hollyhock leaf crumple virus satellite DNA		NC_004092	741 nt	Aug 2 2002
Honeysuckle yellow vein mosaic virus		NC_003609	2757 nt	Aug 1 2000
Honeysuckle yellow vein mosaic virus-associated DNA beta		NC_005052	1344 nt	Jul 29 2003
Honeysuckle yellow vein virus		NC_005807	2784 nt	Mar 12 2004
Hop latent virus		NC_002552	8612 nt	Nov 15 2002
Hordeum mosaic virus		NC_005904	9463 nt	Aug 11 2004
Horsegram yellow mosaic virus	DNA A	NC_005635	2728 nt	Feb 25 2004
Horsegram yellow mosaic virus	DNA B	NC_005636	2677 nt	Feb 25 2004
Horseradish curly top virus		NC_002543	3080 nt	Apr 4 1996
Human T-lymphotropic virus 1		NC_001436	8507 nt	Jan 12 2004
Human T-lymphotropic virus 2		NC_001488	8952 nt	Dec 18 2003
Human adenovirus A		NC_001460	34125 nt	Jul 6 1993
Human adenovirus B		NC_004001	34794 nt	Jun 9 2003
Human adenovirus C		NC_001405	35937 nt	Apr 27 1993
Human adenovirus D		NC_002067	35100 nt	Mar 11 2002
Human adenovirus E		NC_003266	35994 nt	Aug 24 2004
Human adenovirus F		NC_001454	34214 nt	Jul 26 1993
Human adenovirus type 11		AC_000015	34794 nt	Dec 1 2004
Human adenovirus type 35		AC_000019	34794 nt	Dec 1 2004
Human adenovirus type 7		AC_000018	35514 nt	Dec 1 2004
Human astrovirus		NC_001943	6813 nt	Dec 4

			2002
Human bocavirus	NC_007455	5299 nt	Oct 5 2005
Human coronavirus 229E	NC_002645	27317 nt	Apr 18 2003
Human coronavirus HKU1	NC_006577	29926 nt	Jan 25 2006
Human coronavirus NL63	NC_005831	27553 nt	Mar 23 2004
Human coronavirus OC43	NC_005147	30738 nt	Oct 29 2003
Human enterovirus A	NC_001612	7413 nt	Nov 19 2002
Human enterovirus B	NC_001472	7389 nt	Nov 19 2002
Human enterovirus C	NC_001428	7401 nt	Nov 19 2002
Human enterovirus D	NC_001430	7390 nt	Nov 27 2003
Human erythrovirus V9	NC_004295	5028 nt	Sep 30 2001
Human foamy virus	NC_001736	13242 nt	Oct 8 1996
Human herpesvirus 1	NC_001806	152261 nt	Apr 3 1990
Human herpesvirus 2	NC_001798	154746 nt	Feb 27 1997
Human herpesvirus 3 (strain Dumas)	NC_001348	124884 nt	Sep 19 1987
Human herpesvirus 4	NC_007605	171823 nt	Nov 17 2005
Human herpesvirus 5 strain AD169	NC_001347	230287 nt	Mar 7 1990
Human herpesvirus 5 strain Merlin	NC_006273	235645 nt	Sep 16 2004
Human herpesvirus 6	NC_001664	159321 nt	Jun 5 1995
Human herpesvirus 6B	NC_000898	162114 nt	Mar 8 2002
Human herpesvirus 7	NC_001716	153080 nt	Sep 3 2004
Human herpesvirus 8	NC_003409	137508 nt	Dec 11 1996
Human immunodeficiency virus 1	NC_001802	9181 nt	Dec 23 2003
Human immunodeficiency virus 2	NC_001722	10359 nt	Jul 17 2002
Human metapneumovirus	NC_004148	13335 nt	Apr 29 2004
Human papillomavirus - 1	NC_001356	7815 nt	Nov 3 1982
Human papillomavirus - 10	NC_001576	7919 nt	Aug 22 1993
Human papillomavirus - 16	NC_001526	7904 nt	Aug 2 1993
Human papillomavirus - 18	NC_001357	7857 nt	Sep 19 1987
Human papillomavirus - 2	NC_001352	7860 nt	Mar 2 2001

Human papillomavirus - 26		NC_001583	7855 nt	Aug 22 1993
Human papillomavirus - 32		NC_001586	7961 nt	Aug 22 1993
Human papillomavirus - 34		NC_001587	7723 nt	Aug 22 1993
Human papillomavirus - 4		NC_001457	7353 nt	Jun 15 1993
Human papillomavirus - 5		NC_001531	7746 nt	May 11 1994
Human papillomavirus - 53		NC_001593	7856 nt	Aug 22 1993
Human papillomavirus - 54		NC_001676	7759 nt	Oct 12 1995
Human papillomavirus - 61		NC_001694	7989 nt	Oct 18 1995
Human papillomavirus RTRX7		NC_004761	7731 nt	May 2 2003
Human papillomavirus type 24		NC_001683	7452 nt	Oct 17 1995
Human papillomavirus type 41		NC_001354	7614 nt	Jun 14 1991
Human papillomavirus type 48		NC_001690	7100 nt	Oct 17 1995
Human papillomavirus type 49		NC_001591	7560 nt	Aug 22 1993
Human papillomavirus type 50		NC_001691	7184 nt	Oct 17 1995
Human papillomavirus type 60		NC_001693	7313 nt	Oct 18 1995
Human papillomavirus type 63		NC_001458	7348 nt	Jun 15 1993
Human papillomavirus type 6b		NC_001355	7902 nt	Feb 20 1985
Human papillomavirus type 7		NC_001595	8027 nt	Aug 22 1993
Human papillomavirus type 71		NC_002644	8017 nt	Mar 11 2002
Human papillomavirus type 9		NC_001596	7434 nt	Aug 22 1993
Human papillomavirus type 90		NC_004104	8033 nt	Aug 5 2002
Human papillomavirus type 92		NC_004500	7461 nt	Jan 7 2003
Human papillomavirus type 96		NC_005134	7438 nt	Oct 9 2003
Human parainfluenza virus 1		NC_003461	15600 nt	Mar 15 2002
Human parainfluenza virus 2		NC_003443	15646 nt	Jul 10 1991
Human parainfluenza virus 3		NC_001796	15462 nt	Mar 20 2002
Human parechovirus		NC_001897	7348 nt	Nov 19 2002
Human parvovirus 4		NC_007018	5268 nt	May 1 2005
Human picobirnavirus	1	NC_007026	2525 nt	May 7 2005

Human picobirnavirus	2	NC_007027	1745 nt	May 7 2005
Human respiratory syncytial virus		NC_001781	15225 nt	Nov 2 1997
Human rhinovirus A		NC_001617	7152 nt	Nov 19 2002
Human rhinovirus B		NC_001490	7212 nt	Nov 19 2002
Human rotavirus (group C / strain Bristol)	6	NC_007543	1350 nt	Nov 7 2005
Human rotavirus G3	1	NC_007473	3302 nt	Oct 5 2005
Human rotavirus G3	10	NC_007464	751 nt	Oct 5 2005
Human rotavirus G3	11	NC_007463	1043 nt	Oct 5 2005
Human rotavirus G3	2	NC_007472	2687 nt	Oct 5 2005
Human rotavirus G3	3	NC_007471	2591 nt	Oct 5 2005
Human rotavirus G3	4	NC_007470	2361 nt	Oct 5 2005
Human rotavirus G3	5	NC_007467	1591 nt	Oct 5 2005
Human rotavirus G3	6	NC_007469	1356 nt	Oct 5 2005
Human rotavirus G3	7	NC_007466	1059 nt	Oct 5 2005
Human rotavirus G3	8	NC_007465	1078 nt	Oct 5 2005
Human rotavirus G3	9	NC_007468	1062 nt	Oct 5 2005
Human spumaretrovirus		NC_001795	11954 nt	Jan 12 2004
Humulus japonicus latent virus	RNA 1	NC_006064	3382 nt	Jul 21 2004
Humulus japonicus latent virus	RNA 2	NC_006065	2810 nt	Jul 21 2004
Humulus japonicus latent virus	RNA 3	NC_006066	1938 nt	Jul 21 2004
Hyacinth bean yellow mosaic Bangladesh virus		NC_005338	2761 nt	Jan 21 2004
Hydrangea ringspot virus		NC_006943	6185 nt	Mar 1 2005
Hyphantria cunea nucleopolyhedrovirus		NC_007767	132959 nt	Jan 31 2006
Ictalurid herpesvirus 1		NC_001493	134226 nt	Aug 2 1993
Impatiens necrotic spot virus	Segment L	NC_003625	8776 nt	Apr 16 2002
Impatiens necrotic spot virus	Segment M	NC_003616	4972 nt	Aug 2 1993
Impatiens necrotic spot virus	Segment S	NC_003624	2992 nt	Sep 14 1992
Indian cassava mosaic virus	DNA A	NC_001932	2815 nt	Jul 29 1993
Indian cassava mosaic virus	DNA B	NC_001933	2645 nt	Jul 29 1993
Indian citrus ringspot virus		NC_003093	7560 nt	Sep 2 2001
Indian peanut clump virus	RNA 1	NC_004729	5841 nt	Apr 18 2003
Indian peanut clump virus	RNA 2	NC_004730	4507 nt	Apr 17 2003
Infectious bursal disease virus	segment A	NC_004178	3183 nt	May 3 1996
Infectious bursal disease virus	segment B	NC_004179	2715 nt	May 3

				1996
Infectious flacherie virus		NC_003781	9650 nt	Apr 5 1998
Infectious hematopoietic necrosis virus		NC_001652	11131 nt	Mar 22 1995
Infectious hypodermal and hematopoietic necrosis virus		NC_002190	4075 nt	Mar 24 2000
Infectious pancreatic necrosis virus	segment A	NC_001915	3097 nt	Aug 2 1993
Infectious pancreatic necrosis virus	segment B	NC_001916	2784 nt	Aug 2 1993
Infectious salmon anemia virus	1	NC_006505	2169 nt	Dec 7 2004
Infectious salmon anemia virus	2	NC_006503	2185 nt	Dec 7 2004
Infectious salmon anemia virus	3	NC_006502	2046 nt	Dec 7 2004
Infectious salmon anemia virus	4	NC_006501	1787 nt	Dec 8 2004
Infectious salmon anemia virus	5	NC_006500	1504 nt	Dec 7 2004
Infectious salmon anemia virus	6	NC_006499	1323 nt	Dec 7 2004
Infectious salmon anemia virus	7	NC_006498	966 nt	Dec 7 2004
Infectious salmon anemia virus	8	NC_006497	736 nt	Dec 7 2004
Infectious spleen and kidney necrosis virus		NC_003494	111362 nt	Mar 28 2002
Influenza A virus (A/Goose/Guangdong/1/96(H5N1))	segment 1	NC_007357	2341 nt	Aug 26 2005
Influenza A virus (A/Goose/Guangdong/1/96(H5N1))	segment 2	NC_007358	2341 nt	Feb 3 2006
Influenza A virus (A/Goose/Guangdong/1/96(H5N1))	segment 3	NC_007359	2233 nt	Aug 26 2005
Influenza A virus (A/Goose/Guangdong/1/96(H5N1))	segment 4	NC_007362	1760 nt	Aug 26 2005
Influenza A virus (A/Goose/Guangdong/1/96(H5N1))	segment 5	NC_007360	1565 nt	Aug 26 2005
Influenza A virus (A/Goose/Guangdong/1/96(H5N1))	segment 6	NC_007361	1458 nt	Aug 30 2005
Influenza A virus (A/Goose/Guangdong/1/96(H5N1))	segment 7	NC_007363	1027 nt	Aug 26 2005
Influenza A virus (A/Goose/Guangdong/1/96(H5N1))	segment 8	NC_007364	865 nt	Aug 26 2005
Influenza A virus (A/Hong Kong/1073/99(H9N2))	segment 1	NC_004910	2341 nt	Jun 21 2003
Influenza A virus (A/Hong Kong/1073/99(H9N2))	segment 2	NC_004911	2328 nt	Feb 3 2006
Influenza A virus (A/Hong Kong/1073/99(H9N2))	segment 3	NC_004912	2225 nt	Jun 21 2003
Influenza A virus (A/Hong Kong/1073/99(H9N2))	segment 4	NC_004908	1714 nt	Jun 21 2003
Influenza A virus (A/Hong Kong/1073/99(H9N2))	segment 5	NC_004905	1565 nt	Jun 21 2003
Influenza A virus (A/Hong Kong/1073/99(H9N2))	segment 6	NC_004909	1418 nt	Jun 21 2003
Influenza A virus (A/Hong Kong/1073/99(H9N2))	segment 7	NC_004907	1025 nt	Jun 23 2003

Influenza A virus (A/Hong Kong/1073/99(H9N2))	segment 8	NC_004906	890 nt	Jun 21 2003
Influenza A virus (A/Korea/426/68(H2N2))	segment 1	NC_007378	2341 nt	Aug 30 2005
Influenza A virus (A/Korea/426/68(H2N2))	segment 2	NC_007375	2341 nt	Aug 30 2005
Influenza A virus (A/Korea/426/68(H2N2))	segment 3	NC_007376	2233 nt	Aug 30 2005
Influenza A virus (A/Korea/426/68(H2N2))	segment 4	NC_007374	1773 nt	Aug 30 2005
Influenza A virus (A/Korea/426/68(H2N2))	segment 5	NC_007381	1497 nt	Aug 30 2005
Influenza A virus (A/Korea/426/68(H2N2))	segment 6	NC_007382	1410 nt	Aug 30 2005
Influenza A virus (A/Korea/426/68(H2N2))	segment 7	NC_007377	1027 nt	Aug 30 2005
Influenza A virus (A/Korea/426/68(H2N2))	segment 8	NC_007380	838 nt	Aug 30 2005
Influenza A virus (A/New York/392/2004(H3N2))	segment 1	NC_007373	2341 nt	Aug 30 2005
Influenza A virus (A/New York/392/2004(H3N2))	segment 2	NC_007372	2341 nt	Aug 30 2005
Influenza A virus (A/New York/392/2004(H3N2))	segment 3	NC_007371	2233 nt	Aug 30 2005
Influenza A virus (A/New York/392/2004(H3N2))	segment 4	NC_007366	1762 nt	Aug 30 2005
Influenza A virus (A/New York/392/2004(H3N2))	segment 5	NC_007369	1566 nt	Aug 30 2005
Influenza A virus (A/New York/392/2004(H3N2))	segment 6	NC_007368	1467 nt	Aug 30 2005
Influenza A virus (A/New York/392/2004(H3N2))	segment 7	NC_007367	1027 nt	Aug 30 2005
Influenza A virus (A/New York/392/2004(H3N2))	segment 8	NC_007370	890 nt	Aug 30 2005
Influenza A virus (A/Puerto Rico/8/34(H1N1))	segment 1	NC_002023	2341 nt	Nov 3 1982
Influenza A virus (A/Puerto Rico/8/34(H1N1))	segment 2	NC_002021	2341 nt	Dec 2 2005
Influenza A virus (A/Puerto Rico/8/34(H1N1))	segment 3	NC_002022	2233 nt	Nov 3 1982
Influenza A virus (A/Puerto Rico/8/34(H1N1))	segment 4	NC_002017	1778 nt	Dec 15 2004
Influenza A virus (A/Puerto Rico/8/34(H1N1))	segment 5	NC_002019	1565 nt	Aug 2 1993
Influenza A virus (A/Puerto Rico/8/34(H1N1))	segment 6	NC_002018	1413 nt	Aug 2 1993
Influenza A virus (A/Puerto Rico/8/34(H1N1))	segment 7	NC_002016	1027 nt	Jun 9 1982
Influenza A virus (A/Puerto Rico/8/34(H1N1))	segment 8	NC_002020	890 nt	Aug 2 1993
Influenza B virus	RNA 1	NC_002204	2368 nt	Aug 2 1993
Influenza B virus	RNA 2	NC_002205	2313 nt	Nov 10 1999
Influenza B virus	RNA 3	NC_002206	2204 nt	Nov 10 1999
Influenza B virus	RNA 4	NC_002207	1882 nt	Aug 2 1993

Influenza B virus	RNA 5	NC_002208	1841 nt	Aug 2 1993
Influenza B virus	RNA 6	NC_002209	1557 nt	Aug 2 1993
Influenza B virus	RNA 7	NC_002210	1191 nt	Dec 2 2005
Influenza B virus	RNA 8	NC_002211	1096 nt	Aug 2 1993
Influenza C virus	segment 1	NC_006307	2325 nt	Sep 24 2004
Influenza C virus	segment 2	NC_006308	2265 nt	Sep 24 2004
Influenza C virus	segment 3	NC_006309	2130 nt	Sep 24 2004
Influenza C virus	segment 4	NC_006310	1968 nt	Sep 24 2004
Influenza C virus	segment 5	NC_006311	1807 nt	Sep 24 2004
Influenza C virus	segment 6	NC_006312	1125 nt	Sep 24 2004
Influenza C virus	segment 7	NC_006306	881 nt	Sep 24 2004
Invertebrate iridescent virus 6		NC_003038	212482 nt	Oct 4 1994
Ippy virus		NC_007905	3366 nt	Mar 16 2006
Ippy virus		NC_007906	7316 nt	Mar 16 2006
J-virus		NC_007454	18954 nt	Oct 5 2005
JC polyomavirus		NC_001699	5130 nt	Aug 2 1993
Japanese encephalitis virus		NC_001437	10976 nt	Jan 13 2003
Japanese iris necrotic ring virus		NC_002187	4014 nt	Mar 17 2000
Japanese yam mosaic virus		NC_000947	9760 nt	Nov 15 2002
Jembrana disease virus		NC_001654	7732 nt	Mar 28 1995
Johnsongrass chlorotic stripe mosaic virus		NC_005287	4421 nt	Dec 6 2003
Johnsongrass mosaic virus		NC_003606	9779 nt	Nov 15 2002
Junin virus	segment L	NC_005080	7114 nt	Aug 30 2003
Junin virus	segment S	NC_005081	3411 nt	Jan 13 2004
Junonia coenia densovirus		NC_004284	5908 nt	May 8 1993
Kadipiro virus	segment 1	NC_004210	3774 nt	Jun 27 2000
Kadipiro virus	segment 2	NC_004212	3035 nt	Jun 27 2000
Kadipiro virus	segment 3	NC_004213	2415 nt	Jun 27 2000
Kadipiro virus	segment 4	NC_004214	2121 nt	Jun 27 2000

Kadipiro virus	segment 5	NC_004215	1947 nt	Jun 27 2000
Kadipiro virus	segment 6	NC_004216	1670 nt	Jun 27 2000
Kadipiro virus	segment 7	NC_004209	1259 nt	Nov 7 1998
Kadipiro virus	segment 8	NC_004208	1114 nt	Nov 7 1998
Kadipiro virus	segment 9	NC_004207	1054 nt	Nov 7 1998
Kadipiro virus	segment 10	NC_004206	946 nt	Nov 7 1998
Kadipiro virus	segment 11	NC_004205	894 nt	Nov 7 1998
Kadipiro virus	segment 12	NC_004199	756 nt	Nov 6 1998
Kakugo virus		NC_005876	10152 nt	May 14 2004
Kalanchoe top-spotting virus		NC_004540	7591 nt	Jan 22 2003
Kamiti River virus		NC_005064	11375 nt	Aug 13 2003
Karshi virus		NC_006947	10653 nt	Jan 24 2005
Kashmir bee virus		NC_004807	9524 nt	May 12 2003
Kelp fly virus		NC_007619	11034 nt	Oct 20 2005
Kennedya yellow mosaic virus		NC_001746	6362 nt	Apr 29 1993
Konjak mosaic virus		NC_007913	9544 nt	Mar 17 2006
Kyuri green mottle mosaic virus		NC_003610	6514 nt	Jul 27 2001
La Crosse virus	segment L	NC_004108	6980 nt	Aug 13 2002
La Crosse virus	segment M	NC_004109	4527 nt	Aug 13 2002
La Crosse virus	segment S	NC_004110	984 nt	Aug 13 2002
Lactate dehydrogenase-elevating virus		NC_002534	14225 nt	Jun 12 1993
Lake Victoria marburgvirus		NC_001608	19112 nt	Jan 26 1994
Langat virus		NC_003690	10943 nt	Oct 25 2004
Lassa virus	segment L	NC_004297	7279 nt	Mar 17 1998
Lassa virus	segment S	NC_004296	3402 nt	Aug 2 1993
Leek white stripe virus		NC_001822	3662 nt	Jan 17 1996
Leek yellow stripe virus		NC_004011	10142 nt	Feb 5 2002
Leishmania RNA virus 1 - 1		NC_002063	5284 nt	Aug 2 1993
Leishmania RNA virus 1-4		NC_003601	5283 nt	Nov 5 1993

Leishmania RNA virus 2-1		NC_002064	5241 nt	Oct 31 1995
Lettuce infectious yellows virus	RNA 1	NC_003617	8118 nt	Nov 15 2002
Lettuce infectious yellows virus	RNA 2	NC_003618	7193 nt	Jan 29 1995
Lettuce mosaic virus		NC_003605	10080 nt	Nov 15 2002
Lettuce necrotic yellows virus		NC_007642	12807 nt	Dec 15 2005
Lettuce ring necrosis virus	RNA 1	NC_006051	7651 nt	Jul 16 2004
Lettuce ring necrosis virus	RNA 2	NC_006052	1830 nt	Jul 16 2004
Lettuce ring necrosis virus	RNA 3	NC_006053	1527 nt	Jul 16 2004
Lettuce ring necrosis virus	RNA 4	NC_006054	1417 nt	Jul 16 2004
Liao ning virus	1	NC_007736	3740 nt	Jan 27 2006
Liao ning virus	10	NC_007745	903 nt	Jan 26 2006
Liao ning virus	11	NC_007746	897 nt	Jan 26 2006
Liao ning virus	12	NC_007747	760 nt	Jan 26 2006
Liao ning virus	2	NC_007737	3055 nt	Jan 27 2006
Liao ning virus	3	NC_007738	2404 nt	Jan 27 2006
Liao ning virus	4	NC_007739	2062 nt	Jan 27 2006
Liao ning virus	5	NC_007740	1870 nt	Jan 27 2006
Liao ning virus	6	NC_007741	1750 nt	Jan 27 2006
Liao ning virus	7	NC_007742	1208 nt	Jan 26 2006
Liao ning virus	8	NC_007743	1147 nt	Jan 26 2006
Liao ning virus	9	NC_007744	943 nt	Jan 26 2006
Lily mottle virus		NC_005288	9644 nt	Dec 6 2003
Lily symptomless virus		NC_005138	8394 nt	Sep 22 2003
Lily virus X		NC_007192	5823 nt	Jul 5 2005
Little cherry virus 1		NC_001836	16934 nt	Nov 15 2002
Little cherry virus 2		NC_005065	15045 nt	Aug 13 2003
Ljungan virus		NC_003976	7607 nt	Oct 15 2002
Loofa yellow mosaic virus	DNA A	NC_004824	2742 nt	Jun 6 2003
Loofa yellow mosaic virus	DNA B	NC_004825	2713 nt	Jun 6 2003
Louping ill virus		NC_001809	10871 nt	Nov 19

				2002
LuIII virus		NC_004713	5135 nt	Apr 11 2003
Lucerne transient streak virus		NC_001696	4275 nt	Nov 15 2002
Lucerne transient streak virus satellite RNA		NC_003798	324 nt	Jan 28 1986
Ludwigia yellow vein virus		NC_007210	2758 nt	Jul 21 2005
Ludwigia yellow vein virus-associated DNA beta		NC_007212	1347 nt	Aug 2 2005
Luffa puckering and leaf distortion-associated DNA beta		NC_007459	1358 nt	Sep 22 2005
Lumpy skin disease virus NI-2490		NC_003027	150773 nt	Aug 13 2001
Lymantria dispar nucleopolyhedrovirus		NC_001973	161046 nt	Nov 3 1998
Lymphocystis disease virus - isolate China		NC_005902	186250 nt	Jun 17 2004
Lymphocystis disease virus 1		NC_001824	102653 nt	Mar 1 2002
Lymphocytic choriomeningitis virus	L	NC_004291	6680 nt	May 18 1995
Lymphocytic choriomeningitis virus	S	NC_004294	3376 nt	Aug 2 1993
Macaca fuscata rhadinovirus		NC_007016	131217 nt	May 24 2005
Machupo virus	segment L	NC_005079	7196 nt	Aug 30 2003
Machupo virus	segment S	NC_005078	3439 nt	Aug 30 2003
Macrobrachium rosenbergii nodavirus	RNA 1	NC_005094	3202 nt	Aug 30 2003
Macrobrachium rosenbergii nodavirus	RNA 2	NC_005095	1175 nt	Aug 30 2003
Macroptilium mosaic Puerto Rico virus	DNA A	NC_004097	2615 nt	Aug 1 2002
Macroptilium mosaic Puerto Rico virus	DNA B	NC_004098	2571 nt	Aug 1 2002
Macroptilium yellow mosaic Florida virus	DNA A	NC_004099	2642 nt	Aug 1 2002
Macroptilium yellow mosaic Florida virus	DNA B	NC_004100	2605 nt	Aug 1 2002
Macroptilium yellow mosaic virus		NC_004731	2630 nt	Apr 17 2003
Magnaporthe grisea virus 1		NC_006367	5359 nt	Oct 13 2004
Maize chlorotic dwarf virus		NC_003626	11832 nt	Nov 15 2002
Maize chlorotic mottle virus		NC_003627	4437 nt	Jul 6 1989
Maize dwarf mosaic virus		NC_003377	9515 nt	Jan 12 2004
Maize fine streak virus		NC_005974	13782 nt	Jul 12 2004
Maize mosaic virus		NC_005975	12133 nt	Jul 12 2004

Maize necrotic streak virus		NC_007729	4094 nt	Oct 5 2000
Maize rayado fino virus		NC_002786	6305 nt	Nov 15 2002
Maize streak virus		NC_001346	2690 nt	Jul 6 1989
Malvastrum leaf curl virus		NC_007724	2745 nt	Jan 23 2006
Malvastrum leaf curl virus-associated DNA beta		NC_007711	1354 nt	Jan 7 2006
Malvastrum leaf curl virus-associated defective DNA beta		NC_007725	895 nt	Jan 16 2006
Malvastrum yellow vein Yunnan virus		NC_006631	2747 nt	Jan 8 2005
Malvastrum yellow vein Yunnan virus-associated DNA beta		NC_006632	1350 nt	Jan 8 2005
Malvastrum yellow vein virus		NC_004634	2731 nt	Mar 25 2003
Malvastrum yellow vein virus-associated DNA beta		NC_004733	1348 nt	Apr 17 2003
Mamestra configurata NPV-A		NC_003529	155060 nt	Apr 5 2002
Mamestra configurata nucleopolyhedrovirus B		NC_004117	158482 nt	Mar 22 2005
Mammalian orthoreovirus 1	segment L1	NC_004271	3854 nt	Jun 17 1994
Mammalian orthoreovirus 1	segment L2	NC_004259	3915 nt	May 29 2001
Mammalian orthoreovirus 1	segment L3	NC_004255	3901 nt	Jul 5 1999
Mammalian orthoreovirus 1	segment M1	NC_004261	2304 nt	Apr 1 2002
Mammalian orthoreovirus 1	segment M2	NC_004262	2203 nt	Dec 20 2003
Mammalian orthoreovirus 1	segment M3	NC_004257	2241 nt	Nov 25 1999
Mammalian orthoreovirus 1	segment S1	NC_004267	1462 nt	Aug 3 1993
Mammalian orthoreovirus 1	segment S2	NC_004268	1331 nt	Aug 3 1993
Mammalian orthoreovirus 1	segment S3	NC_004266	1198 nt	Aug 3 1993
Mammalian orthoreovirus 1	segment S4	NC_004265	1196 nt	Aug 3 1993
Mammalian orthoreovirus 2	segment L1	NC_004272	3854 nt	Jun 17 1994
Mammalian orthoreovirus 2	segment L2	NC_004260	3912 nt	May 29 2001
Mammalian orthoreovirus 2	segment L3	NC_004256	3901 nt	Jul 5 1999
Mammalian orthoreovirus 2	segment M1	NC_004254	2297 nt	May 19 2001
Mammalian orthoreovirus 2	segment M2	NC_004270	2203 nt	Aug 3 1993
Mammalian orthoreovirus 2	segment M3	NC_004258	2240 nt	Nov 25 1999
Mammalian orthoreovirus 2	segment S1	NC_004264	1442 nt	May 18 1995
Mammalian orthoreovirus 2	segment S2	NC_004263	1331 nt	Jul 26 1993
Mammalian orthoreovirus 2	segment S3	NC_004269	1198 nt	Aug 3

				1993
Mammalian orthoreovirus 2	segment S4	NC_004273	1196 nt	Feb 25 1992
Mammalian orthoreovirus 3	segment L1	NC_004282	3854 nt	Jun 17 1994
Mammalian orthoreovirus 3	segment L2	NC_004275	3916 nt	Aug 3 1993
Mammalian orthoreovirus 3	segment L3	NC_004274	3901 nt	Jul 5 1999
Mammalian orthoreovirus 3	segment M1	NC_004280	2304 nt	Aug 3 1993
Mammalian orthoreovirus 3	segment M2	NC_004278	2207 nt	Dec 20 2003
Mammalian orthoreovirus 3	segment M3	NC_004281	2235 nt	Aug 3 1993
Mammalian orthoreovirus 3	segment S1	NC_004277	1416 nt	Aug 3 1993
Mammalian orthoreovirus 3	segment S2	NC_004279	1331 nt	Aug 3 1993
Mammalian orthoreovirus 3	segment S3	NC_004283	1198 nt	Nov 7 1985
Mammalian orthoreovirus 3	segment S4	NC_004276	1196 nt	Aug 3 1993
Marine birnavirus	segment A	NC_004168	2976 nt	Sep 3 1997
Marine birnavirus	segment B	NC_004176	2735 nt	Sep 9 2002
Mason-Pfizer monkey virus		NC_001550	8557 nt	Dec 18 2003
Mayaro virus		NC_003417	11411 nt	Nov 19 2002
Measles virus		NC_001498	15894 nt	Dec 9 1998
Melanoplus sanguinipes entomopoxvirus		NC_001993	236120 nt	Dec 23 1998
Meleagrid herpesvirus 1		NC_002641	159160 nt	Mar 7 2002
Melon chlorotic leaf curl virus		NC_004732	2662 nt	Apr 17 2003
Melon necrotic spot virus		NC_001504	4266 nt	Aug 2 1993
Menangle virus		NC_007620	15516 nt	Nov 28 2005
Mice minute virus		NC_001510	5149 nt	Aug 2 1993
Microplitis demolitor bracovirus	A	NC_007028	3611 nt	Dec 25 2004
Microplitis demolitor bracovirus	B	NC_007029	6307 nt	Dec 27 2004
Microplitis demolitor bracovirus	C	NC_007031	7228 nt	Jan 17 2005
Microplitis demolitor bracovirus	D	NC_007033	7823 nt	Jan 17 2005
Microplitis demolitor bracovirus	E	NC_007030	8443 nt	Jan 17 2005
Microplitis demolitor bracovirus	F	NC_007032	9604 nt	Jan 17 2005
Microplitis demolitor bracovirus	G	NC_007034	10790 nt	Jan 17 2005

Microplitis demolitor bracovirus	H	NC_007035	11238 nt	Jan 17 2005
Microplitis demolitor bracovirus	I	NC_007041	13279 nt	Feb 7 2005
Microplitis demolitor bracovirus	J	NC_007036	13704 nt	Jan 17 2005
Microplitis demolitor bracovirus	K	NC_007037	15058 nt	Jan 17 2005
Microplitis demolitor bracovirus	L	NC_007040	15096 nt	Jan 17 2005
Microplitis demolitor bracovirus	M	NC_007038	15218 nt	Jan 17 2005
Microplitis demolitor bracovirus	N	NC_007039	17355 nt	Jan 17 2005
Microplitis demolitor bracovirus	O	NC_007044	34334 nt	May 24 2005
Milk vetch dwarf virus	DNA 1	NC_003638	1007 nt	Oct 27 1998
Milk vetch dwarf virus	DNA 2	NC_003639	1009 nt	Oct 27 1998
Milk vetch dwarf virus	DNA 3	NC_003640	1000 nt	Oct 27 1998
Milk vetch dwarf virus	DNA 4	NC_003641	990 nt	Oct 27 1998
Milk vetch dwarf virus	DNA 5	NC_003642	989 nt	Oct 27 1998
Milk vetch dwarf virus	DNA 6	NC_003643	977 nt	Oct 27 1998
Milk vetch dwarf virus	DNA 7	NC_003644	981 nt	Oct 27 1998
Milk vetch dwarf virus	DNA 8	NC_003645	985 nt	Oct 27 1998
Milk vetch dwarf virus	DNA 9	NC_003646	997 nt	Oct 27 1998
Milk vetch dwarf virus	DNA 10	NC_003647	1022 nt	Oct 27 1998
Milk vetch dwarf virus	DNA 11	NC_003648	1001 nt	Jul 4 2000
Mink astrovirus		NC_004579	6610 nt	Jun 10 2003
Mint virus 1		NC_006944	15450 nt	Jan 25 2005
Mint virus X		NC_006948	5914 nt	Feb 1 2005
Mirabilis mosaic virus		NC_004036	7857 nt	Jun 14 2002
Mirafiori lettuce virus	RNA 1	NC_004779	7794 nt	May 7 2003
Mirafiori lettuce virus	RNA 2	NC_004781	1788 nt	May 7 2003
Mirafiori lettuce virus	RNA 3	NC_004782	1515 nt	May 7 2003
Mirafiori lettuce virus	RNA 4	NC_004780	1402 nt	May 7 2003
Miscanthus streak virus		NC_003379	2672 nt	Apr 29 1993
Mobala virus		NC_007903	3380 nt	Mar 6 2006
Mobala virus		NC_007904	7325 nt	Mar 16

				2006
Modoc virus		NC_003635	10600 nt	Jan 13 2003
Mokola virus		NC_006429	11940 nt	Nov 17 2004
Molluscum contagiosum virus		NC_001731	190289 nt	Aug 15 1996
Moloney murine sarcoma virus		NC_001502	5833 nt	Jan 11 2004
Monkeypox virus		NC_003310	196858 nt	Dec 12 2001
Montana myotis leukoencephalitis virus		NC_004119	10690 nt	Jan 13 2003
Mopeia Lassa reassortant 29	segment L	NC_006572	7271 nt	Dec 17 2004
Mopeia Lassa reassortant 29	segment S	NC_006573	3402 nt	Dec 17 2004
Mopeia virus AN20410	segment L	NC_006574	7271 nt	Dec 17 2004
Mopeia virus AN20410	segment S	NC_006575	3427 nt	Dec 17 2004
Mossman virus		NC_005339	16650 nt	Jan 21 2004
Mouse mammary tumor virus		NC_001503	8805 nt	Jan 12 2004
Mouse parvovirus 1		NC_001630	5144 nt	Aug 6 1994
Mulard duck circovirus		NC_005053	1996 nt	Jul 31 2003
Mule deer poxvirus		NC_006966	166259 nt	Apr 15 2005
Multimammate rat papillomavirus		NC_001605	7687 nt	Jan 24 1995
Mumps virus		NC_002200	15384 nt	Apr 11 2000
Mungbean yellow mosaic India virus	DNA A	NC_004608	2745 nt	Mar 12 2003
Mungbean yellow mosaic India virus	DNA B	NC_004609	2616 nt	Mar 12 2003
Mungbean yellow mosaic virus	DNA A	NC_001983	2723 nt	Mar 2 2001
Mungbean yellow mosaic virus	DNA B	NC_001984	2675 nt	Apr 26 2002
Murid herpesvirus 1		NC_004065	230278 nt	Mar 21 2005
Murid herpesvirus 2		NC_002512	230138 nt	Aug 14 2000
Murid herpesvirus 4		NC_001826	119450 nt	Aug 12 1997
Murine adenovirus A		NC_000942	30944 nt	Mar 7 2002
Murine hepatitis virus strain A59		NC_001846	31357 nt	Feb 23 2005
Murine hepatitis virus strain JHM		NC_006852	31526 nt	Feb 23 2005
Murine leukemia virus		NC_001501	8332 nt	Jan 12 2004

Murine osteosarcoma virus		NC_001506	3811 nt	Jan 21 1998
Murine pneumotropic virus		NC_001505	4754 nt	Aug 2 1993
Murine polyomavirus		NC_001515	5297 nt	Aug 2 1993
Murine sarcoma virus		NC_001363	5833 nt	Nov 3 1982
Murine type C retrovirus		NC_001702	8135 nt	Dec 12 1995
Murray Valley encephalitis virus		NC_000943	11014 nt	Oct 29 2002
Muscovy duck circovirus		NC_006561	1988 nt	Dec 17 2004
Muscovy duck parvovirus		NC_006147	5132 nt	Aug 30 2004
Mushroom bacilliform virus		NC_001633	4009 nt	Nov 10 1994
Mycoreovirus 3	1	NC_007535	4143 nt	Nov 4 2005
Mycoreovirus 3	10	NC_007529	1171 nt	Aug 14 2002
Mycoreovirus 3	11	NC_007531	1003 nt	Aug 14 2002
Mycoreovirus 3	12	NC_007532	943 nt	Aug 14 2002
Mycoreovirus 3	2	NC_007533	3773 nt	Nov 4 2005
Mycoreovirus 3	3	NC_007536	3310 nt	Nov 4 2005
Mycoreovirus 3	4	NC_007524	2259 nt	Aug 14 2002
Mycoreovirus 3	5	NC_007534	2089 nt	Nov 4 2005
Mycoreovirus 3	6	NC_007525	2030 nt	Aug 14 2002
Mycoreovirus 3	7	NC_007526	1509 nt	Aug 14 2002
Mycoreovirus 3	8	NC_007527	1299 nt	Aug 14 2002
Mycoreovirus 3	9	NC_007528	1226 nt	Aug 14 2002
Mycovirus FusoV	RNA 1	NC_003885	1645 nt	Jul 7 1995
Mycovirus FusoV	RNA 2	NC_003886	1445 nt	Jul 7 1995
Mythimna loreyi densovirus		NC_005341	6034 nt	Dec 16 2003
Myxoma virus		NC_001132	161773 nt	Dec 4 1999
Myzus persicae densovirus		NC_005040	5499 nt	Jul 25 2003
Nanovirus-like particle		NC_005954	1377 nt	Jun 30 2004
Narcissus mosaic virus		NC_001441	6955 nt	Apr 29 1993
Neodiprion lecontei NPV		NC_005906	81755 nt	Jun 15 2004

Neodiprion sertifer nucleopolyhedrovirus		NC_005905	86462 nt	Jun 17 2004
Nerine virus X		NC_007679	6582 nt	Dec 21 2005
Newbury agent 1		NC_007916	7454 nt	Mar 6 2006
Newcastle disease virus		NC_002617	15186 nt	Dec 2 2000
Nilaparvata lugens reovirus	segment 1	NC_003654	4391 nt	Mar 25 1995
Nilaparvata lugens reovirus	segment 2	NC_003655	3732 nt	Mar 25 1995
Nilaparvata lugens reovirus	segment 3	NC_003656	3753 nt	Mar 25 1995
Nilaparvata lugens reovirus	segment 4	NC_003657	3560 nt	Mar 25 1995
Nilaparvata lugens reovirus	segment 5	NC_003658	3427 nt	Mar 25 1995
Nilaparvata lugens reovirus	segment 6	NC_003659	2970 nt	Mar 25 1995
Nilaparvata lugens reovirus	segment 7	NC_003660	1994 nt	Mar 25 1995
Nilaparvata lugens reovirus	segment 8	NC_003653	1802 nt	Nov 13 1995
Nilaparvata lugens reovirus	segment 9	NC_003661	1640 nt	Mar 25 1995
Nilaparvata lugens reovirus	segment 10	NC_003652	1430 nt	Sep 21 1994
Nipah virus		NC_002728	18246 nt	Apr 3 2001
Nodamura virus	RNA 1	NC_002690	3204 nt	Aug 8 2000
Nodamura virus	RNA 2	NC_002691	1336 nt	Oct 29 2003
Nora virus		NC_007919	11911 nt	Mar 6 2006
Northern cereal mosaic virus		NC_002251	13222 nt	Mar 11 2002
Norwalk virus		NC_001959	7654 nt	Feb 19 2003
Nudaurelia capensis beta virus		NC_001990	6625 nt	Dec 17 1998
O'nyong-nyong virus		NC_001512	11835 nt	Nov 19 2002
Oat blue dwarf virus		NC_001793	6509 nt	Nov 15 2002
Oat chlorotic stunt virus		NC_003633	4114 nt	Oct 24 1995
Oat golden stripe virus	RNA 1	NC_002358	7111 nt	Jun 15 2000
Oat golden stripe virus	RNA 2	NC_002357	3232 nt	Oct 8 1999
Oat mosaic virus	RNA 1	NC_004016	7550 nt	Nov 15 2002
Oat mosaic virus	RNA 2	NC_004017	2284 nt	Nov 15 2002
Oat necrotic mottle virus		NC_005136	9346 nt	Nov 13 2003

Obuda pepper virus		NC_003852	6507 nt	Dec 23 1993
Odontoglossum ringspot virus		NC_001728	6618 nt	Oct 13 1994
Okra leaf curl virus-associated sequences		NC_004093	1305 nt	Aug 2 2002
Okra yellow vein disease associated sequence		NC_005051	1307 nt	Jul 29 2003
Okra yellow vein mosaic virus		NC_004673	2739 nt	Apr 3 2003
Olive latent virus 1		NC_001721	3699 nt	May 17 1996
Olive latent virus 2	RNA 1	NC_003673	3128 nt	Jan 5 1996
Olive latent virus 2	RNA 2	NC_003674	2735 nt	Jan 5 1996
Olive latent virus 2	RNA 3	NC_003671	2438 nt	Feb 24 1994
Olive mild mosaic virus		NC_006939	3683 nt	Mar 30 2005
Omsk hemorrhagic fever virus		NC_005062	10787 nt	Oct 7 2003
Onion yellow dwarf virus		NC_005029	10538 nt	Jul 10 2003
Ononis yellow mosaic virus		NC_001513	6211 nt	Aug 2 1993
Operophtera brumata reovirus	1	NC_007559	4170 nt	Oct 29 2005
Operophtera brumata reovirus	10	NC_007568	1509 nt	Oct 29 2005
Operophtera brumata reovirus	2	NC_007560	3780 nt	Oct 29 2005
Operophtera brumata reovirus	3	NC_007561	3595 nt	Oct 29 2005
Operophtera brumata reovirus	4	NC_007562	3362 nt	Oct 29 2005
Operophtera brumata reovirus	5	NC_007563	2106 nt	Nov 2 2005
Operophtera brumata reovirus	6	NC_007564	1935 nt	Oct 29 2005
Operophtera brumata reovirus	7	NC_007565	1606 nt	Oct 29 2005
Operophtera brumata reovirus	8	NC_007566	1584 nt	Oct 29 2005
Operophtera brumata reovirus	9	NC_007567	1547 nt	Oct 29 2005
Ophiostoma mitovirus 3a		NC_004049	2617 nt	Sep 24 1998
Ophiostoma mitovirus 6		NC_004054	2343 nt	May 10 1999
Ophiostoma novo-ulmi mitovirus 4-Ld		NC_004052	2599 nt	May 10 1999
Ophiostoma novo-ulmi mitovirus 5-Ld		NC_004053	2474 nt	May 10 1999
Opuntia virus X		NC_006060	6653 nt	Jul 21 2004
Orf virus		NC_005336	139962 nt	Jan 21 2004
Orgyia pseudotsugata multicapsid		NC_001875	131995 nt	Mar 27

nucleopolyhedrovirus				1997
Oropouche virus	segment L	NC_005776	6846 nt	Mar 4 2004
Oropouche virus	segment M	NC_005775	4385 nt	Mar 4 2004
Oropouche virus	segment S	NC_005777	754 nt	Mar 4 2004
Oryza rufipogon endornavirus		NC_007649	13936 nt	Dec 16 2005
Oryza sativa endornavirus		NC_007647	13952 nt	Oct 20 1995
Ostreid herpesvirus 1		NC_005881	207439 nt	Feb 2 2004
Ovine adenovirus A		NC_002513	33034 nt	Mar 11 2002
Ovine adenovirus D		NC_004037	29574 nt	Jan 13 2004
Ovine astrovirus		NC_002469	6440 nt	Dec 19 1997
Ovine enzootic nasal tumour virus		NC_007015	7434 nt	Apr 24 1999
Ovine herpesvirus 2		NC_007646	135135 nt	Nov 26 2005
Ovine lentivirus		NC_001511	9256 nt	Apr 3 2006
Ovine papillomavirus - 1		NC_001789	7761 nt	Feb 2 1997
Ovine pulmonary adenocarcinoma virus		NC_001494	7462 nt	Aug 2 1993
Oyster mushroom spherical virus		NC_004560	5784 nt	Feb 6 2003
Palyam virus	segment 3	NC_005989	2774 nt	Jul 13 2004
Palyam virus	segment 1	NC_005990	3930 nt	Jul 13 2004
Palyam virus	segment 2	NC_005986	3055 nt	Jul 13 2004
Palyam virus	segment 4	NC_005991	1967 nt	Jul 13 2004
Palyam virus	segment 5	NC_005993	1764 nt	Jul 13 2004
Palyam virus	segment 6	NC_005987	1610 nt	Jul 13 2004
Palyam virus	segment 7	NC_005988	1151 nt	Jul 13 2004
Palyam virus	segment 8	NC_005994	1059 nt	Jul 13 2004
Palyam virus	segment 9	NC_005992	877 nt	Jul 13 2004
Palyam virus	segment 10	NC_005995	728 nt	Jul 13 2004
Panicum mosaic satellite virus		NC_003847	826 nt	May 18 1995
Panicum mosaic virus		NC_002598	4326 nt	Jan 14 1997
Panicum streak virus		NC_001647	2705 nt	Dec 18 2003
Papaya leaf curl China virus		NC_005321	2751 nt	Jan 13 2004

Papaya leaf curl Guandong virus		NC_005844	2742 nt	Apr 13 2004
Papaya leaf curl virus		NC_004147	2746 nt	Jan 28 1998
Papaya leaf curl virus-associated DNA beta		NC_004706	1372 nt	Apr 10 2003
Papaya leaf-distortion mosaic potyvirus		NC_005028	10155 nt	Jul 10 2003
Papaya mosaic virus		NC_001748	6656 nt	Apr 29 1993
Papaya ringspot virus		NC_001785	10326 nt	Nov 15 2002
Paprika mild mottle virus		NC_004106	6524 nt	Aug 8 2002
Paramecium bursaria Chlorella virus 1		NC_000852	330743 nt	Feb 6 1996
Pariacoto virus	RNA 1	NC_003691	3011 nt	May 24 2000
Pariacoto virus	RNA 2	NC_003692	1311 nt	Nov 19 2002
Parietaria mottle virus	RNA 1	NC_005848	3518 nt	Apr 15 2004
Parietaria mottle virus	RNA 2	NC_005849	2922 nt	Apr 15 2004
Parietaria mottle virus	RNA 3	NC_005854	2268 nt	Apr 15 2004
Parsnip yellow fleck virus		NC_003628	9871 nt	Nov 15 2002
Parvovirus H1		NC_001358	5176 nt	Jul 2 1986
Patchouli mild mosaic virus	RNA 1	NC_003975	5956 nt	Nov 15 2002
Patchouli mild mosaic virus	RNA 2	NC_003974	3591 nt	Nov 15 2002
Pea early browning virus	RNA 1	NC_002036	7073 nt	Mar 21 1989
Pea early browning virus	RNA 2	NC_001368	3374 nt	Mar 26 1990
Pea enation mosaic virus satellite RNA		NC_003854	717 nt	Mar 7 1994
Pea enation mosaic virus-1		NC_003629	5706 nt	Jun 12 1993
Pea enation mosaic virus-2		NC_003853	4253 nt	Mar 7 1994
Pea seed-borne mosaic virus		NC_001671	9924 nt	Nov 15 2002
Pea stem necrosis virus		NC_004995	4048 nt	Jul 8 2003
Peanut chlorotic streak virus		NC_001634	8174 nt	Oct 8 1994
Peanut clump virus	RNA 1	NC_003672	5897 nt	Nov 1 1994
Peanut clump virus	RNA 2	NC_003668	4504 nt	Apr 6 1994
Peanut mottle virus		NC_002600	9709 nt	Nov 15 2002
Peanut stunt virus	RNA 1	NC_002038	3357 nt	May 12 1995
Peanut stunt virus	RNA 2	NC_002039	2947 nt	Oct 22 2004

Peanut stunt virus	RNA 3	NC_002040	2188 nt	May 12 1995
Peanut stunt virus satellite RNA		NC_003855	393 nt	Jul 28 1997
Pear latent virus		NC_004723	4766 nt	Apr 17 2003
Pelargonium chlorotic ring pattern virus		NC_005985	3904 nt	Jul 13 2004
Pelargonium flower break virus		NC_005286	3923 nt	Dec 6 2003
Pelargonium line pattern virus		NC_007017	3884 nt	May 24 2005
Pelargonium necrotic spot virus		NC_005285	4744 nt	Dec 5 2003
Pelargonium zonate spot virus	RNA 1	NC_003649	3383 nt	Sep 16 2000
Pelargonium zonate spot virus	RNA 2	NC_003650	2435 nt	Sep 16 2000
Pelargonium zonate spot virus	RNA 3	NC_003651	2659 nt	Sep 16 2000
Penaeid shrimp infectious myonecrosis virus		NC_007915	7560 nt	Mar 13 2006
Penicillium chrysogenum virus	1	NC_007539	3562 nt	Aug 20 2002
Penicillium chrysogenum virus	2	NC_007540	3200 nt	Aug 20 2002
Penicillium chrysogenum virus	3	NC_007541	2976 nt	Aug 20 2002
Penicillium chrysogenum virus	4	NC_007542	2902 nt	Aug 20 2002
Penicillium stoloniferum virus F	1	NC_007221	1677 nt	Jul 20 2005
Penicillium stoloniferum virus F	2	NC_007222	1500 nt	Jul 20 2005
Penicillium stoloniferum virus F	3	NC_007223	677 nt	Jul 20 2005
Penicillium stoloniferum virus S	segment 1	NC_005976	1690 nt	Jul 10 2004
Penicillium stoloniferum virus S	segment 2	NC_005977	1523 nt	Jul 10 2004
Pennisetum mosaic virus		NC_007147	9611 nt	Jun 1 2005
Pepino mosaic virus		NC_004067	6450 nt	Jul 8 2002
Pepper golden mosaic virus	DNA A	NC_004101	2613 nt	Jun 12 1996
Pepper golden mosaic virus	DNA B	NC_004096	2595 nt	Apr 25 2002
Pepper huasteco yellow vein virus	DNA A	NC_001359	2631 nt	Feb 17 1993
Pepper huasteco yellow vein virus	DNA B	NC_001369	2589 nt	Feb 17 1993
Pepper leaf curl Bangladesh virus		NC_004192	2753 nt	Feb 11 2001
Pepper leaf curl virus		NC_000882	2744 nt	Oct 14 1999
Pepper mild mottle virus		NC_003630	6357 nt	Aug 3 1993

Pepper mottle virus		NC_001517	9640 nt	Nov 15 2002
Pepper ringspot virus	RNA 1	NC_003669	6828 nt	Sep 8 1993
Pepper ringspot virus	RNA 2	NC_003670	1799 nt	Jul 2 1986
Pepper yellow vein Mali virus		NC_005347	2786 nt	Jan 21 2004
Perina nuda picorna-like virus		NC_003113	9476 nt	Sep 22 2001
Periplaneta fuliginosa densovirus		NC_000936	5454 nt	Mar 7 2002
Peru tomato mosaic virus		NC_004573	9899 nt	Jan 13 2004
Peruvian horse sickness virus	1	NC_007748	3987 nt	Dec 31 2005
Peruvian horse sickness virus	10	NC_007757	819 nt	Dec 31 2005
Peruvian horse sickness virus	2	NC_007749	2856 nt	Dec 31 2005
Peruvian horse sickness virus	3	NC_007750	2747 nt	Dec 31 2005
Peruvian horse sickness virus	4	NC_007751	1996 nt	Dec 31 2005
Peruvian horse sickness virus	5	NC_007755	1784 nt	Dec 31 2005
Peruvian horse sickness virus	6	NC_007752	1695 nt	Dec 31 2005
Peruvian horse sickness virus	7	NC_007756	1613 nt	Dec 31 2005
Peruvian horse sickness virus	8	NC_007754	1180 nt	Dec 31 2005
Peruvian horse sickness virus	9	NC_007753	1071 nt	Dec 31 2005
Peste-des-petits-ruminants virus		NC_006383	15948 nt	Oct 15 2004
Pestivirus Giraffe-1		NC_003678	12602 nt	Jan 24 2003
Pestivirus Reindeer-1		NC_003677	12318 nt	Jan 24 2003
Petunia vein clearing virus		NC_001839	7206 nt	Jun 28 2001
Phocoena spinipinnis papillomavirus		NC_003348	7879 nt	Jan 4 2002
Phthorimaea operculella granulovirus		NC_004062	119217 nt	Jul 1 2002
Physalis mottle virus		NC_003634	6673 nt	Aug 1 1998
Phytophthora endornavirus 1		NC_007069	13883 nt	May 23 2005
Pichinde virus	segment L	NC_006439	6997 nt	Oct 18 2001
Pichinde virus	segment S	NC_006447	3419 nt	Nov 13 2004
Pirital virus	segment L	NC_005897	7089 nt	Jun 14 2004
Pirital virus	segment S	NC_005894	3393 nt	Jun 14 2004
Planaria asexual strain-specific virus-like element type 1	large DNA segment	NC_003220	5699 nt	May 16 2001

Planaria asexual strain-specific virus-like element type 1	small DNA segment	NC_003219	1911 nt	May 16 2001
Planococcus citri densovirus		NC_004289	5380 nt	Jan 16 2002
Plantago asiatica mosaic virus		NC_003849	6128 nt	Jun 1 1993
Plautia stali intestine virus		NC_003779	8797 nt	Sep 6 1997
Pleurotus ostreatus virus	RNA1	NC_006961	2296 nt	Feb 1 2005
Pleurotus ostreatus virus	RNA2	NC_006960	2223 nt	Mar 26 2005
Plum pox virus		NC_001445	9741 nt	Nov 15 2002
Plutella xylostella granulovirus		NC_002593	100999 nt	Oct 29 2000
Pneumonia virus of mice J3666		NC_006579	14885 nt	Dec 30 2004
Poinsettia mosaic virus		NC_002164	6099 nt	Nov 15 2002
Poliovirus		NC_002058	7440 nt	Nov 19 2002
Poplar mosaic virus		NC_005343	8741 nt	Jan 21 2004
Porcine adenovirus A		NC_005869	34094 nt	Apr 29 2004
Porcine adenovirus C		NC_002702	32621 nt	Mar 11 2002
Porcine circovirus		NC_001792	1758 nt	Sep 9 1998
Porcine circovirus 1		NC_006266	1759 nt	Sep 9 2004
Porcine circovirus 2		NC_005148	1768 nt	Oct 29 2003
Porcine endogenous retrovirus		NC_003059	8072 nt	Aug 12 2001
Porcine enteric calicivirus		NC_000940	7320 nt	Oct 31 1999
Porcine enterovirus A		NC_003987	7491 nt	Nov 19 2002
Porcine enterovirus B		NC_004441	7388 nt	Dec 19 2002
Porcine epidemic diarrhea virus		NC_003436	28033 nt	Apr 25 2003
Porcine hemagglutinating encephalomyelitis virus		NC_007732	30480 nt	Dec 31 2005
Porcine parvovirus		NC_001718	5075 nt	Dec 10 2002
Porcine respiratory and reproductive syndrome virus		NC_001961	15428 nt	Nov 19 2002
Porcine teschovirus		NC_003985	7117 nt	Nov 19 2002
Potato aucuba mosaic virus		NC_003632	7059 nt	Mar 2 1995
Potato leafroll virus		NC_001747	5987 nt	May 25 1992
Potato mop-top virus	RNA 1	NC_003723	6043 nt	Oct 15 1999
Potato mop-top virus	RNA 2	NC_003725	2964 nt	May 11 2000

Potato mop-top virus	RNA 3	NC_003724	3134 nt	Apr 4 2000
Potato virus A		NC_004039	9585 nt	Nov 15 2002
Potato virus M		NC_001361	8533 nt	Jan 12 2004
Potato virus S		NC_007289	8478 nt	Aug 5 2005
Potato virus V		NC_004010	9848 nt	Nov 15 2002
Potato virus X		NC_001455	6435 nt	Nov 29 1987
Potato virus Y		NC_001616	9704 nt	Nov 15 2002
Potato yellow mosaic Panama virus	DNA A	NC_002048	2584 nt	Oct 9 1997
Potato yellow mosaic Panama virus	DNA B	NC_002049	2542 nt	Oct 9 1997
Potato yellow mosaic Trinidad virus		NC_004644	2535 nt	Mar 26 2003
Potato yellow mosaic Trinidad virus		NC_004638	2582 nt	Mar 26 2003
Potato yellow mosaic virus	DNA A	NC_001934	2593 nt	Apr 29 1993
Potato yellow mosaic virus	DNA B	NC_001935	2547 nt	Apr 29 1993
Potato yellow vein virus	RNA 1	NC_006062	8035 nt	Jul 21 2004
Potato yellow vein virus	RNA 2	NC_006063	5339 nt	Jul 21 2004
Potato yellow vein virus	RNA 3	NC_006061	3892 nt	Jul 21 2004
Pothos latent virus		NC_000939	4354 nt	Oct 28 1999
Powassan virus		NC_003687	10839 nt	Jan 10 2003
Procyon lotor papillomavirus type 1		NC_007150	8170 nt	Jun 29 2005
Prunus necrotic ringspot virus	RNA 1	NC_004362	3332 nt	Nov 9 2002
Prunus necrotic ringspot virus	RNA 2	NC_004363	2591 nt	Nov 9 2002
Prunus necrotic ringspot virus	RNA 3	NC_004364	1957 nt	Nov 9 2002
Psittacid herpesvirus 1		NC_005264	163025 nt	Dec 3 2003
Psittacus erithacus timneh papillomavirus		NC_003973	7304 nt	Jun 2 2002
Puumala virus	segment L	NC_005225	6550 nt	Nov 28 2003
Puumala virus	segment M	NC_005223	3682 nt	Nov 18 2003
Puumala virus	segment S	NC_005224	1830 nt	Nov 18 2003
Pyrobaculum spherical virus		NC_005872	28337 nt	May 1 2004
Rabbit fibroma virus		NC_001266	159857 nt	Dec 15 1999
Rabbit hemorrhagic disease virus		NC_001543	7437 nt	Nov 19

				2002
Rabbit oral papillomavirus		NC_002232	7565 nt	May 3 2000
Rabies virus		NC_001542	11932 nt	Aug 3 1993
Rachiplusia ou multiple nucleopolyhedrovirus		NC_004323	131526 nt	Oct 2 2002
Raspberry bushy dwarf virus	RNA 1	NC_003739	5449 nt	May 8 1993
Raspberry bushy dwarf virus	RNA 2	NC_003740	2231 nt	May 7 1993
Raspberry ringspot virus	RNA 1	NC_005266	7935 nt	Dec 3 2003
Raspberry ringspot virus	RNA 2	NC_005267	3914 nt	Dec 20 2003
Rauscher murine leukemia virus		NC_001819	8282 nt	Jul 1 1997
Red clover mottle virus	RNA 1	NC_003741	6033 nt	Nov 15 2002
Red clover mottle virus	RNA 2	NC_003738	3543 nt	Nov 15 2002
Red clover necrotic mosaic virus	RNA 1	NC_003756	3890 nt	Aug 3 1993
Red clover necrotic mosaic virus	RNA 2	NC_003775	1448 nt	Jul 20 1988
Respiratory syncytial virus		NC_001803	15191 nt	Mar 28 1997
Reston ebolavirus		NC_004161	18891 nt	Sep 4 2002
Reticuloendotheliosis virus		NC_006934	8295 nt	Apr 7 2005
Rhesus monkey papillomavirus		NC_001678	8028 nt	Aug 3 1993
Rhizoctonia solani virus	RNA 1	NC_003801	2363 nt	Jan 1 2000
Rhizoctonia solani virus	RNA 2	NC_003802	2206 nt	Mar 9 2000
Rhopalosiphum padi virus		NC_001874	10011 nt	Feb 25 1998
Rhynchosia Golden Mosaic Virus		NC_004643	2624 nt	Mar 21 2000
Ribgrass mosaic virus		NC_002792	6301 nt	May 16 2001
Rice black streaked dwarf virus	segment 1	NC_003729	4501 nt	Dec 14 2001
Rice black streaked dwarf virus	segment 2	NC_003734	3812 nt	Dec 14 2001
Rice black streaked dwarf virus	segment 3	NC_003728	3572 nt	Dec 14 2001
Rice black streaked dwarf virus	segment 4	NC_003735	3617 nt	Dec 14 2001
Rice black streaked dwarf virus	segment 5	NC_003736	3164 nt	Dec 14 2001
Rice black streaked dwarf virus	segment 6	NC_003737	2645 nt	Dec 14 2001
Rice black streaked dwarf virus	segment 7	NC_003730	2193 nt	Aug 28 2001
Rice black streaked dwarf virus	segment 8	NC_003732	1936 nt	Aug 28 2001
Rice black streaked dwarf virus	segment 9	NC_003731	1900 nt	Aug 28

				2001
Rice black streaked dwarf virus	segment 10	NC_003733	1801 nt	Aug 28 2001
Rice dwarf virus	segment 1	NC_003773	4422 nt	Nov 13 1996
Rice dwarf virus	segment 2	NC_003774	3512 nt	Nov 13 1996
Rice dwarf virus	segment 3	NC_003772	3195 nt	Oct 29 1996
Rice dwarf virus	segment 4	NC_003761	2218 nt	Feb 17 1996
Rice dwarf virus	segment 5	NC_003762	2449 nt	Feb 17 1996
Rice dwarf virus	segment 6	NC_003763	1579 nt	Feb 17 1996
Rice dwarf virus	segment 7	NC_003760	1578 nt	Oct 31 1995
Rice dwarf virus	segment 8	NC_003764	1397 nt	Feb 17 1996
Rice dwarf virus	segment 9	NC_003765	1224 nt	Feb 17 1996
Rice dwarf virus	segment 10	NC_003766	1163 nt	Feb 17 1996
Rice dwarf virus	segment 11	NC_003767	1036 nt	Feb 17 1996
Rice dwarf virus	segment 12	NC_003768	1066 nt	Feb 17 1996
Rice grassy stunt virus	RNA 1	NC_002323	9760 nt	Aug 10 1998
Rice grassy stunt virus	RNA 2	NC_002324	4056 nt	Jun 5 2000
Rice grassy stunt virus	RNA 3	NC_002325	3123 nt	Jun 5 2000
Rice grassy stunt virus	RNA 4	NC_002326	2915 nt	Jun 5 2000
Rice grassy stunt virus	RNA 5	NC_002327	2704 nt	Jun 5 2000
Rice grassy stunt virus	RNA 6	NC_002328	2584 nt	Jun 5 2000
Rice ragged stunt virus	segment 1	NC_003749	3849 nt	Mar 2 1998
Rice ragged stunt virus	segment 2	NC_003750	3808 nt	Mar 2 1998
Rice ragged stunt virus	segment 3	NC_003751	3699 nt	Mar 2 1998
Rice ragged stunt virus	segment 4	NC_003771	3823 nt	Sep 20 1998
Rice ragged stunt virus	segment 5	NC_003759	2682 nt	Sep 23 1995
Rice ragged stunt virus	segment 6	NC_003752	2157 nt	Mar 2 1998
Rice ragged stunt virus	segment 7	NC_003770	1938 nt	Jul 19 1997
Rice ragged stunt virus	segment 8	NC_003758	1914 nt	Jan 12 2004
Rice ragged stunt virus	segment 9	NC_003757	1132 nt	Jan 20 1996
Rice ragged stunt virus	segment 10	NC_003769	1162 nt	Jul 19 1997
Rice stripe virus	RNA 1	NC_003755	8970 nt	Nov 2 1994

Rice stripe virus	RNA 2	NC_003754	3514 nt	Feb 21 1996
Rice stripe virus	RNA 3	NC_003776	2504 nt	Sep 3 1991
Rice stripe virus	RNA 4	NC_003753	2157 nt	Apr 29 1993
Rice tungro bacilliform virus		NC_001914	8002 nt	Jun 4 1991
Rice tungro spherical virus		NC_001632	12226 nt	Nov 15 2002
Rice yellow mottle virus		NC_001575	4450 nt	Nov 15 2002
Rice yellow mottle virus satellite		NC_003380	220 nt	Jan 10 1998
Rice yellow stunt virus		NC_003746	14042 nt	Mar 16 1998
Rift Valley fever virus	segment L	NC_002043	6606 nt	Oct 11 1991
Rift Valley fever virus	segment M	NC_002044	3885 nt	Jan 23 2003
Rift Valley fever virus	segment S	NC_002045	1690 nt	Sep 6 1990
Rinderpest virus		NC_006296	15882 nt	Sep 21 2004
Rio Bravo virus		NC_003675	10140 nt	Jan 14 2003
Rosellinia necatrix partitivirus 1-W8	1	NC_007537	2299 nt	Nov 7 2005
Rosellinia necatrix partitivirus 1-W8	2	NC_007538	2279 nt	May 7 2005
Ross River virus		NC_001544	11657 nt	Nov 19 2002
Ross' goose hepatitis B virus		NC_005888	3018 nt	Jun 14 2004
Rotavirus C	1	NC_007547	3309 nt	Nov 7 2005
Rotavirus C	10	NC_007569	730 nt	Nov 7 2005
Rotavirus C	11	NC_007573	613 nt	Nov 2 2005
Rotavirus C	2	NC_007546	2736 nt	Nov 7 2005
Rotavirus C	3	NC_007572	2283 nt	Nov 7 2005
Rotavirus C	4	NC_007574	2166 nt	Nov 7 2005
Rotavirus C	5	NC_007570	1353 nt	Nov 7 2005
Rotavirus C	7	NC_007544	1270 nt	Nov 7 2005
Rotavirus C	8	NC_007571	1063 nt	Nov 7 2005
Rotavirus C	9	NC_007545	1037 nt	Nov 7 2005
Rous sarcoma virus		NC_001407	9392 nt	Jan 12 2004
Rubella virus		NC_001545	9755 nt	Mar 31 2003
Rupestris stem pitting-associated virus		NC_001948	8744 nt	Sep 14

				1998
Ryegrass mosaic virus		NC_001814	9535 nt	Nov 15 2002
Ryegrass mottle virus		NC_003747	4210 nt	Nov 15 2002
SARS coronavirus		NC_004718	29751 nt	Sep 9 2003
Sabia virus	segment L	NC_006313	7133 nt	Sep 24 2004
Sabia virus	segment S	NC_006317	3366 nt	Sep 24 2004
Sacbrood virus		NC_002066	8832 nt	Mar 15 1999
Saccharomyces cerevisiae killer virus M1		NC_001782	1801 nt	Dec 3 1996
Saccharomyces cerevisiae narnavirus 20S RNA		NC_004051	2514 nt	Apr 27 1993
Saccharomyces cerevisiae narnavirus 23S RNA		NC_004050	2891 nt	Apr 27 1993
Saccharomyces cerevisiae virus L-A (L1)		NC_003745	4579 nt	Oct 12 1994
Saccharomyces cerevisiae virus L-BC (La)		NC_001641	4615 nt	Dec 7 1994
Saguaro cactus virus		NC_001780	3879 nt	Nov 27 1996
Saimiriine herpesvirus 2		NC_001350	112930 nt	Jul 27 1992
Salmon pancreas disease virus		NC_003930	11919 nt	May 28 2002
Sandfly fever Naples virus	segment L	NC_006319	6404 nt	Sep 24 2004
Sandfly fever Naples virus	segment M	NC_006320	4215 nt	Sep 24 2004
Sandfly fever Naples virus	segment S	NC_006318	1869 nt	Sep 24 2004
Sapovirus C12		NC_006554	7476 nt	Dec 17 2004
Sapovirus Mc10		NC_010624	7458 nt	Jul 13 2004
Sapporo virus		NC_006269	7429 nt	Sep 9 2004
Satellite RNA of Blackcurrant reversion virus		NC_003872	1432 nt	Jan 1 2000
Satellite St. Augustine decline virus		NC_005099	824 nt	Sep 30 2003
Satellite maize white line mosaic virus		NC_003631	1168 nt	Aug 3 1993
Satellite of Trichomonas vaginalis T1 virus		NC_004048	497 nt	Sep 14 1995
Satellite tobacco mosaic virus		NC_003796	1058 nt	Aug 16 1994
Satsuma dwarf virus	RNA 1	NC_003785	6794 nt	Nov 15 2002
Satsuma dwarf virus	RNA 2	NC_003786	5344 nt	Nov 15 2002
Scallion mosaic virus		NC_003399	9324 nt	Feb 6 2002
Scallion virus X		NC_003400	6985 nt	Feb 6 2002
Schizochytrium single-stranded RNA virus		NC_007522	9035 nt	Nov 9

				2005
Sclerophthora macrospora virus A	RNA 1	NC_005817	2928 nt	Mar 16 2004
Sclerophthora macrospora virus A	RNA 2	NC_005818	1981 nt	Mar 16 2004
Sclerophthora macrospora virus A	RNA 3	NC_005819	977 nt	Mar 16 2004
Sclerophthora macrospora virus B		NC_004714	5533 nt	Apr 10 2003
Sclerotinia sclerotiorum debilitation-associated RNA virus		NC_007415	5470 nt	Sep 1 2003
Semliki forest virus		NC_003215	11442 nt	Apr 8 2003
Sendai virus		NC_001552	15384 nt	Jan 17 1998
Senecio yellow mosaic virus		NC_006995	2746 nt	May 11 2005
Seoul virus	segment L	NC_005238	6530 nt	Nov 25 2003
Seoul virus	segment S	NC_005236	1769 nt	Nov 25 2003
Seoul virus 80-39	segment M	NC_005237	3651 nt	May 7 1993
Sesbania mosaic virus		NC_002568	4149 nt	Nov 15 2002
Shallot latent virus		NC_003557	8363 nt	Feb 6 2002
Shallot virus X		NC_003795	8832 nt	Jun 12 1993
Shallot yellow stripe virus		NC_007433	10429 nt	Sep 28 2005
Sheeppox virus		NC_004002	149955 nt	Jun 20 2002
Sheldgoose hepatitis B virus		NC_005890	3051 nt	Jun 14 2004
Shrimp white spot syndrome virus		NC_003225	305107 nt	Nov 20 2001
Sida golden mosaic Costa Rica virus	DNA A	NC_004657	2605 nt	Mar 28 2003
Sida golden mosaic Costa Rica virus	DNA B	NC_004658	2587 nt	Mar 28 2003
Sida golden mosaic Florida virus		NC_004636	2581 nt	Mar 26 2003
Sida golden mosaic Honduras virus	DNA A	NC_004659	2603 nt	Mar 28 2003
Sida golden mosaic Honduras virus	DNA B	NC_004660	2589 nt	Mar 28 2003
Sida golden mosaic virus	DNA A	NC_002046	2642 nt	Mar 6 1998
Sida golden mosaic virus	DNA B	NC_002047	2585 nt	Jan 6 1998
Sida golden yellow vein virus		NC_004635	2603 nt	Mar 26 2003
Sida leaf curl virus		NC_007638	2757 nt	Dec 12 2005
Sida leaf curl virus-associated DNA 1		NC_007640	1384 nt	Dec 12 2005
Sida leaf curl virus-associated DNA beta		NC_007639	1365 nt	Dec 12

				2005
Sida micrantha mosaic virus	DNA A	NC_005330	2675 nt	Jan 21 2004
Sida micrantha mosaic virus	DNA B	NC_005331	2656 nt	Jan 21 2004
Sida mottle virus		NC_004637	2668 nt	Mar 26 2003
Sida yellow mosaic virus		NC_004639	2661 nt	Mar 26 2003
Sida yellow mosaic virus-[China]-associated DNA beta		NC_006267	1346 nt	Aug 18 2004
Sida yellow vein virus	DNA A	NC_004661	2612 nt	Mar 28 2003
Sida yellow vein virus	DNA B	NC_004662	2593 nt	Mar 28 2003
Sida yellow vein virus-associated DNA beta		NC_007213	1355 nt	Aug 2 2005
Simian T-lymphotropic virus 1		NC_000858	9028 nt	Jun 14 1999
Simian T-lymphotropic virus 2		NC_001815	8855 nt	Dec 18 2003
Simian T-lymphotropic virus 3		NC_003323	8918 nt	Dec 19 2001
Simian adenovirus 1		NC_006879	34450 nt	Mar 6 2005
Simian adenovirus 21		AC_000010	35524 nt	Dec 1 2004
Simian adenovirus 25		AC_000011	36519 nt	Dec 1 2004
Simian adenovirus A		NC_006144	34246 nt	Aug 24 2004
Simian enterovirus A		NC_003988	7374 nt	Oct 22 2002
Simian foamy virus		NC_001364	13246 nt	Jul 5 1994
Simian hemorrhagic fever virus		NC_003092	15717 nt	Nov 27 2002
Simian immunodeficiency virus		NC_001549	9623 nt	Aug 3 1993
Simian immunodeficiency virus SIV-mnd 2		NC_004455	9518 nt	Dec 20 2002
Simian parainfluenza virus 41		NC_006428	15450 nt	Nov 15 2004
Simian parainfluenza virus 5		NC_006430	15246 nt	Mar 21 1998
Simian picornavirus 1		NC_004451	8126 nt	Oct 29 2003
Simian virus 40		NC_001669	5243 nt	Aug 3 1993
Simian-Human immunodeficiency virus		NC_001870	10000 nt	Feb 2 1998
Sin Nombre virus	segment L	NC_005217	6562 nt	Nov 18 2003
Sin Nombre virus	segment M	NC_005215	3696 nt	Nov 18 2003
Sin Nombre virus	segment S	NC_005216	2059 nt	Nov 18 2003
Sindbis virus		NC_001547	11703 nt	Nov 19

				2002
Singapore grouper iridovirus		NC_006549	140131 nt	Dec 17 2004
Sleeping disease virus		NC_003433	11900 nt	Nov 19 2002
Small anellovirus 1		NC_007013	2249 nt	May 21 2005
Small anellovirus 2		NC_007014	2635 nt	May 1 2005
Snake parvovirus 1		NC_006148	4432 nt	Aug 25 2004
Snakehead retrovirus		NC_001724	10688 nt	May 30 1996
Snakehead rhabdovirus		NC_000903	11550 nt	Sep 29 1999
Snow goose hepatitis B virus		NC_005950	3024 nt	Jun 25 2004
Soil-borne cereal mosaic virus	RNA 1	NC_002351	7025 nt	Sep 26 1999
Soil-borne cereal mosaic virus	RNA 2	NC_002330	3683 nt	Oct 8 1999
Soil-borne wheat mosaic virus	RNA 1	NC_002041	7099 nt	Jun 12 1993
Soil-borne wheat mosaic virus	RNA 2	NC_002042	3593 nt	Jun 12 1993
Solanum nodiflorum mottle virus satellite RNA		NC_003850	377 nt	Aug 2 1993
Solenopsis invicta virus 1		NC_006559	8026 nt	Dec 17 2004
Sonchus yellow net virus		NC_001615	13720 nt	May 9 1994
Sorghum chlorotic spot virus	RNA 1	NC_004014	6878 nt	Apr 21 2000
Sorghum chlorotic spot virus	RNA 2	NC_004015	3418 nt	Jun 18 2002
Sorghum mosaic virus		NC_004035	9624 nt	Nov 15 2002
South African cassava mosaic virus	DNA A	NC_003803	2800 nt	Feb 20 2000
South African cassava mosaic virus	DNA B	NC_003804	2760 nt	Feb 20 2000
Southern bean mosaic virus		NC_004060	4136 nt	Nov 15 2002
Southern cowpea mosaic virus		NC_001625	4194 nt	Nov 15 2002
Soybean chlorotic mottle virus		NC_001739	8178 nt	Mar 2 1990
Soybean crinkle leaf virus		NC_003357	2737 nt	Jan 5 2002
Soybean dwarf virus		NC_003056	5853 nt	Aug 11 2001
Soybean mosaic virus		NC_002634	9588 nt	Nov 15 2002
Sphaeropsis sapinea RNA virus 1		NC_001963	5163 nt	Oct 29 1998
Sphaeropsis sapinea RNA virus 2		NC_001964	5202 nt	Oct 29 1998
Spinach curly top virus		NC_005860	2925 nt	Apr 17

				2004
Spinach latent virus	RNA 1	NC_003808	3439 nt	Jan 30 1998
Spinach latent virus	RNA 2	NC_003809	2939 nt	Jan 30 1998
Spinach latent virus	RNA 3	NC_003810	2310 nt	Jan 30 1998
Spleen focus-forming virus		NC_001500	6296 nt	Aug 2 1993
Spodoptera exigua nucleopolyhedrovirus		NC_002169	135611 nt	Feb 11 2000
Spodoptera litura nucleopolyhedrovirus		NC_003102	139342 nt	Sep 11 2001
Spring beauty latent virus	RNA 1	NC_004120	3252 nt	Aug 28 2002
Spring beauty latent virus	RNA 2	NC_004121	2898 nt	Aug 28 2002
Spring beauty latent virus	RNA 3	NC_004122	2213 nt	Aug 28 2002
Spring viremia of carp virus		NC_002803	11019 nt	Nov 16 1995
Squash leaf curl China virus	DNA A	NC_007339	2736 nt	Aug 15 2005
Squash leaf curl China virus	DNA B	NC_007338	2719 nt	Aug 15 2005
Squash leaf curl Philippines virus	DNA A	NC_005845	2739 nt	Apr 13 2004
Squash leaf curl Philippines virus	DNA B	NC_005846	2705 nt	Apr 13 2004
Squash leaf curl Yunnan virus		NC_004651	2714 nt	Jan 4 2002
Squash leaf curl virus	DNA A	NC_001936	2634 nt	Aug 3 1993
Squash leaf curl virus	DNA B	NC_001937	2607 nt	Aug 3 1993
Squash mild leaf curl virus	DNA A	NC_004645	2612 nt	Mar 26 2003
Squash mild leaf curl virus	DNA B	NC_004646	2578 nt	Mar 26 2003
Squash mosaic virus	RNA 1	NC_003799	5865 nt	Nov 15 2002
Squash mosaic virus	RNA 2	NC_003800	3354 nt	Nov 15 2002
Squash yellow mild mottle virus	DNA A	NC_003865	2663 nt	Dec 26 2001
Squash yellow mild mottle virus	DNA B	NC_003860	2662 nt	Nov 20 2001
Sri Lankan cassava mosaic virus	DNA A	NC_003861	2755 nt	Jan 4 2002
Sri Lankan cassava mosaic virus	DNA B	NC_003862	2711 nt	Jan 4 2002
St Croix river virus	segment 8	NC_006004	1256 nt	Jul 13 2004
St Croix river virus	segment 1	NC_005997	4089 nt	Nov 25 2000
St Croix river virus	segment 2	NC_005998	2747 nt	Jul 13 2004
St Croix river virus	segment 3	NC_005999	2024 nt	Jul 13 2004

St Croix river virus	segment 4	NC_006000	2017 nt	Jul 13 2004
St Croix river virus	segment 5	NC_006001	1664 nt	Jul 13 2004
St Croix river virus	segment 6	NC_006002	1657 nt	Jul 13 2004
St Croix river virus	segment 7	NC_006003	1463 nt	Jul 13 2004
St Croix river virus	segment 9	NC_006005	764 nt	Jul 13 2004
St Croix river virus	segment 10	NC_006006	764 nt	Jul 13 2004
St. Louis encephalitis virus		NC_007580	10293 nt	Oct 30 2005
Stachytarpheta leaf curl virus		NC_004091	2749 nt	Jul 30 2002
Strawberry latent ringspot virus	RNA1	NC_006964	7496 nt	Jan 29 2005
Strawberry latent ringspot virus	RNA2	NC_006965	3842 nt	Apr 8 2005
Strawberry latent ringspot virus satellite RNA		NC_003848	1118 nt	Jun 24 1993
Strawberry mild yellow edge virus		NC_003794	5966 nt	Apr 29 1993
Strawberry mottle virus	RNA 1	NC_003445	7036 nt	Nov 15 2002
Strawberry mottle virus	RNA 2	NC_003446	5619 nt	Nov 15 2002
Strawberry pallidosis associated virus	RNA 1	NC_005895	8067 nt	Jun 14 2004
Strawberry pallidosis associated virus	RNA 2	NC_005896	7979 nt	Jun 1 2004
Strawberry vein banding virus		NC_001725	7876 nt	Jun 1 1996
Striped Jack nervous necrosis virus	RNA 1	NC_003448	3107 nt	Sep 4 2001
Striped Jack nervous necrosis virus	RNA 2	NC_003449	1421 nt	Sep 4 2001
Subterranean clover mottle virus		NC_004346	4258 nt	Nov 15 2002
Subterranean clover mottle virus satellite RNA		NC_003851	388 nt	Aug 3 1993
Subterranean clover stunt virus	DNA 1	NC_003813	1001 nt	Nov 27 1994
Subterranean clover stunt virus	DNA 2	NC_003814	1022 nt	Nov 27 1994
Subterranean clover stunt virus	DNA 3	NC_003815	991 nt	Nov 27 1994
Subterranean clover stunt virus	DNA 4	NC_003816	1002 nt	Nov 27 1994
Subterranean clover stunt virus	DNA 5	NC_003817	998 nt	Nov 27 1994
Subterranean clover stunt virus	DNA 6	NC_003818	1017 nt	Nov 27 1994
Subterranean clover stunt virus	DNA 7	NC_003819	988 nt	Nov 27 1994
Subterranean clover stunt virus	DNA 8	NC_003812	1005 nt	Jul 3 2000
Sudan ebolavirus		NC_006432	18875 nt	Sep 25 2004
Sugarcane bacilliform IM virus		NC_003031	7687 nt	Jul 26

				2001
Sugarcane mosaic virus		NC_003398	9596 nt	Nov 15 2002
Sugarcane streak Egypt virus - [Giza]		NC_001868	2706 nt	Jan 26 1998
Sugarcane streak Reunion virus		NC_004755	2735 nt	Apr 28 2003
Sugarcane streak virus		NC_003744	2758 nt	Aug 3 1993
Sugarcane striate mosaic associated virus		NC_003870	8146 nt	Sep 19 2001
Sugarcane yellow leaf virus		NC_000874	5899 nt	Jul 28 1999
Suid herpesvirus 1		NC_006151	143461 nt	Dec 20 2003
Sweet clover necrotic mosaic virus	RNA 1	NC_003806	3876 nt	Jul 26 1993
Sweet clover necrotic mosaic virus	RNA 2	NC_003807	1449 nt	May 8 1993
Sweet potato chlorotic fleck virus		NC_006550	9104 nt	Nov 30 2004
Sweet potato chlorotic stunt virus	RNA 1	NC_004123	9407 nt	Nov 15 2002
Sweet potato chlorotic stunt virus	RNA 2	NC_004124	8223 nt	Aug 27 2002
Sweet potato feathery mottle virus		NC_001841	10820 nt	Nov 15 2002
Sweet potato leaf curl Georgia virus		NC_004640	2773 nt	Mar 26 2003
Sweet potato leaf curl virus		NC_004650	2828 nt	Mar 27 2003
Sweet potato mild mottle virus		NC_003797	10818 nt	Nov 15 2002
Swinepox virus		NC_003389	146454 nt	Jan 31 2002
TTV-like mini virus		NC_002195	2915 nt	Apr 4 2000
TYLCCNV-[Y322] satellite DNA beta		NC_007735	1331 nt	Jan 23 2006
Tacaribe virus	segment L	NC_004292	7102 nt	Aug 3 1993
Tacaribe virus	segment S	NC_004293	3432 nt	Aug 3 1993
Tamana bat virus		NC_003996	10053 nt	Jan 14 2003
Taro bacilliform virus		NC_004450	7458 nt	Dec 18 2002
Taro vein chlorosis virus		NC_006942	12020 nt	Jan 26 2005
Taura syndrome virus		NC_003005	10205 nt	Jul 12 2001
Theilovirus		NC_001366	8101 nt	Nov 19 2002
Thermoproteus tenax spherical virus 1		NC_006556	20933 nt	Sep 20 2004
Thielaviopsis basicola dsRNA virus 1		NC_005883	5310 nt	Mar 23 2004

Thogoto virus	1	NC_006508	2375 nt	Dec 7 2004
Thogoto virus	2	NC_006495	2212 nt	Dec 7 2004
Thogoto virus	3	NC_006496	1927 nt	Dec 7 2004
Thogoto virus	4	NC_006506	1574 nt	Dec 7 2004
Thogoto virus	5	NC_006507	1418 nt	Dec 7 2004
Thogoto virus	6	NC_006504	955 nt	Dec 7 2004
Thunberg fritillary virus		NC_007180	9723 nt	Jul 6 2005
Tick-borne encephalitis virus		NC_001672	11141 nt	Jan 10 2003
Tioman virus		NC_004074	15522 nt	Jul 23 2002
Tobacco bushy top virus		NC_004366	4152 nt	Nov 14 2002
Tobacco bushy top virus isolate Baoshan satellite-like RNA		NC_006459	779 nt	May 27 2002
Tobacco bushy top virus satellite-like RNA		NC_006458	781 nt	Nov 22 2004
Tobacco curly shoot virus		NC_003722	2743 nt	Apr 23 2002
Tobacco curly shoot virus associated DNA 1		NC_005057	1367 nt	Aug 5 2003
Tobacco curly shoot virus-associated DNA beta		NC_004546	1354 nt	Jan 27 2003
Tobacco etch virus		NC_001555	9494 nt	Nov 15 2002
Tobacco leaf curl Japan virus		NC_004654	2761 nt	Mar 27 2003
Tobacco leaf curl Kochi virus		NC_004641	2760 nt	Mar 26 2003
Tobacco leaf curl Yunnan virus		NC_004356	2750 nt	Oct 25 2002
Tobacco leaf curl Yunnan virus associated DNA 1		NC_005060	1370 nt	Aug 5 2003
Tobacco leaf curl Yunnan virus satellite DNA beta		NC_005030	1336 nt	Jul 10 2003
Tobacco leaf curl Zimbabwe virus		NC_002817	2767 nt	Jul 2 2001
Tobacco leaf curl disease associated sequence		NC_005049	1356 nt	Jul 29 2003
Tobacco mild green mosaic virus		NC_001556	6355 nt	Aug 3 1993
Tobacco mosaic virus		NC_001367	6395 nt	Jul 13 1983
Tobacco necrosis satellite virus		NC_001557	1239 nt	Aug 3 1993
Tobacco necrosis virus A		NC_001777	3684 nt	Jul 26 1993
Tobacco necrosis virus D		NC_003487	3762 nt	Jul 2 1997
Tobacco rattle virus	RNA 1	NC_003805	6791 nt	Aug 10 1999
Tobacco rattle virus	RNA 2	NC_003811	3855 nt	Sep 7 1994

Tobacco ringspot virus	RNA 1	NC_005097	7514 nt	Sep 13 2003
Tobacco ringspot virus	RNA 2	NC_005096	3929 nt	Jul 20 2004
Tobacco ringspot virus satellite RNA		NC_003889	359 nt	Aug 3 1993
Tobacco streak virus	RNA 1	NC_003844	3491 nt	Mar 4 1997
Tobacco streak virus	RNA 2	NC_003842	2926 nt	Mar 3 1997
Tobacco streak virus	RNA 3	NC_003845	2205 nt	Dec 6 1983
Tobacco vein mottling virus		NC_001768	9475 nt	Nov 15 2002
Tobacco vein-clearing virus		NC_003378	7767 nt	Nov 15 1999
Tobacco yellow dwarf virus		NC_003822	2580 nt	Aug 3 1993
Tomato aspermy virus	RNA 1	NC_003837	3410 nt	Apr 29 1993
Tomato aspermy virus	RNA 2	NC_003838	3074 nt	May 15 2002
Tomato aspermy virus	RNA 3	NC_003836	2386 nt	Apr 7 2000
Tomato begomovirus satellite DNA beta		NC_004904	1342 nt	Jun 21 2003
Tomato black ring virus	RNA 1	NC_004439	7358 nt	Jan 29 2004
Tomato black ring virus	RNA 2	NC_004440	4633 nt	Dec 19 2002
Tomato black ring virus satellite RNA		NC_003890	1374 nt	Apr 2 1988
Tomato bushy stunt virus		NC_001554	4776 nt	Aug 3 1993
Tomato bushy stunt virus satellite RNA B1		NC_003826	822 nt	Oct 26 1997
Tomato bushy stunt virus satellite RNA B10		NC_003827	612 nt	Oct 26 1997
Tomato chino La Paz virus		NC_005843	2606 nt	Apr 13 2004
Tomato chlorosis virus	RNA1	NC_007340	8595 nt	Aug 12 2005
Tomato chlorosis virus	RNA2	NC_007341	8247 nt	Aug 12 2005
Tomato chlorotic mottle virus	DNA A	NC_003664	2622 nt	Apr 15 2002
Tomato chlorotic mottle virus	DNA B	NC_003665	2573 nt	Apr 16 2002
Tomato curly stunt virus		NC_004675	2766 nt	Apr 3 2003
Tomato golden mosaic virus	DNA A	NC_001507	2588 nt	Aug 2 1993
Tomato golden mosaic virus	DNA B	NC_001508	2508 nt	Mar 2 2001
Tomato leaf curl Bangalore virus		NC_003891	2749 nt	Aug 14 1995
Tomato leaf curl Bangladesh virus		NC_004614	2761 nt	Mar 17

				2003
Tomato leaf curl China virus		NC_005320	2738 nt	Jan 13 2004
Tomato leaf curl China virus-associated DNA beta		NC_006289	1343 nt	May 15 2004
Tomato leaf curl Gujarat virus	DNA A	NC_004558	2757 nt	Feb 5 2003
Tomato leaf curl Gujarat virus	DNA B	NC_004559	2688 nt	Feb 5 2003
Tomato leaf curl Iran virus		NC_005842	2763 nt	Jun 22 2003
Tomato leaf curl Java virus		NC_005031	2752 nt	Jul 10 2003
Tomato leaf curl Java virus-[Ageratum] satellite DNA		NC_005497	1360 nt	Feb 20 2004
Tomato leaf curl Joydebpur virus		NC_007723	2761 nt	Jan 13 2006
Tomato leaf curl Karnataka virus		NC_003897	2759 nt	Oct 24 1995
Tomato leaf curl Laos virus		NC_004613	2748 nt	Mar 17 2003
Tomato leaf curl Madagascar virus		NC_006874	2777 nt	Mar 1 2005
Tomato leaf curl Malaysia virus		NC_004648	2754 nt	Mar 27 2003
Tomato leaf curl Mali virus		NC_005348	2773 nt	Jan 21 2004
Tomato leaf curl Mayotte virus		NC_006876	2768 nt	Mar 1 2005
Tomato leaf curl New Delhi virus	DNA A	NC_004611	2739 nt	Mar 15 2003
Tomato leaf curl New Delhi virus	DNA B	NC_004612	2696 nt	Mar 15 2003
Tomato leaf curl New Delhi virus-associated DNA beta		NC_005359	1012 nt	Jan 24 2004
Tomato leaf curl Philippines virus		NC_005032	2755 nt	Jul 10 2003
Tomato leaf curl Sri Lanka virus		NC_004647	2756 nt	Mar 27 2003
Tomato leaf curl Sudan virus		NC_005855	2779 nt	Apr 15 2004
Tomato leaf curl Taiwan virus		NC_003898	2739 nt	Jun 13 1997
Tomato leaf curl Vietnam virus		NC_004153	2745 nt	Jun 2 2001
Tomato leaf curl disease associated sequence		NC_005050	1370 nt	Jul 29 2003
Tomato leaf curl disease associated sequence		NC_004715	1424 nt	Apr 10 2003
Tomato leaf curl virus		NC_003896	2766 nt	May 21 2002
Tomato leaf curl virus satellite DNA		NC_002743	682 nt	Jan 1 1998
Tomato mosaic Havana virus	DNA A	NC_003867	2620 nt	Sep 4 1998
Tomato mosaic Havana virus	DNA B	NC_003868	2586 nt	Sep 4 1998
Tomato mosaic leaf curl virus	DNA A	NC_005850	2560 nt	Apr 15 2004
Tomato mosaic leaf curl virus	DNA B	NC_005851	2525 nt	Apr 15 2004

Tomato mosaic virus		NC_002692	6383 nt	Mar 12 2001
Tomato mottle Taino virus	DNA A	NC_001828	2597 nt	Aug 9 1997
Tomato mottle Taino virus	DNA B	NC_001917	2562 nt	Aug 9 1997
Tomato mottle virus	DNA A	NC_001938	2601 nt	Jun 12 1993
Tomato mottle virus	DNA B	NC_001939	2544 nt	Jun 12 1993
Tomato pseudo-curly top virus		NC_003825	2861 nt	Jun 28 1996
Tomato ringspot virus	RNA 1	NC_003840	8214 nt	Nov 15 2002
Tomato ringspot virus	RNA 2	NC_003839	7273 nt	Nov 15 2002
Tomato rugose mosaic virus	DNA A	NC_002555	2622 nt	Sep 25 2000
Tomato rugose mosaic virus	DNA B	NC_002556	2572 nt	Sep 25 2000
Tomato severe leaf curl virus		NC_004642	2593 nt	Mar 26 2003
Tomato spotted wilt virus	segment L	NC_002052	8897 nt	Apr 29 1993
Tomato spotted wilt virus	segment M	NC_002050	4821 nt	Apr 27 2004
Tomato spotted wilt virus	segment S	NC_002051	2916 nt	Apr 29 1993
Tomato yellow leaf curl Axarquia virus		NC_007676	2772 nt	Dec 21 2005
Tomato yellow leaf curl China virus		NC_004044	2734 nt	Oct 29 2000
Tomato yellow leaf curl China virus associated DNA 1		NC_005058	1363 nt	Aug 5 2003
Tomato yellow leaf curl China virus-associated DNA beta		NC_004544	1339 nt	Jan 24 2003
Tomato yellow leaf curl Kanchanaburi virus	DNA A	NC_005812	2752 nt	Mar 15 2004
Tomato yellow leaf curl Kanchanaburi virus	DNA B	NC_005811	2752 nt	Mar 15 2004
Tomato yellow leaf curl Malaga virus		NC_004569	2782 nt	Feb 14 2003
Tomato yellow leaf curl Mali virus		NC_005346	2794 nt	Jan 21 2004
Tomato yellow leaf curl Mali virus-associated DNA beta		NC_007485	1348 nt	Aug 13 2005
Tomato yellow leaf curl Sardinia virus		NC_003828	2773 nt	Dec 20 1991
Tomato yellow leaf curl Thailand virus	DNA A	NC_000869	2751 nt	Jun 16 1999
Tomato yellow leaf curl Thailand virus	DNA B	NC_000870	2737 nt	Jun 16 1999
Tomato yellow leaf curl Thailand virus associated DNA 1		NC_005059	1363 nt	Aug 5 2003
Tomato yellow leaf curl Thailand virus satellite DNA beta		NC_004903	1337 nt	Jun 17 2003
Tomato yellow leaf curl virus		NC_004005	2781 nt	Jun 7 2002

Tomato yellow margin leaf curl virus	DNA A	NC_005852	2575 nt	Apr 15 2004
Tomato yellow margin leaf curl virus	DNA B	NC_005853	2543 nt	Apr 15 2004
Tomato yellow spot virus	DNA A	NC_007726	2674 nt	Jan 23 2006
Tomato yellow spot virus	DNA B	NC_007727	2626 nt	Jan 23 2006
Torque teno virus		NC_002076	3852 nt	Apr 3 2003
Transmissible gastroenteritis virus		NC_002306	28586 nt	Apr 28 2003
Tree shrew adenovirus		NC_004453	33501 nt	Aug 26 2004
Triatoma virus		NC_003783	9010 nt	Oct 1 1999
Trichechus manatus latirostris papillomavirus type 1		NC_006563	7722 nt	Dec 17 2004
Trichomonas vaginalis virus		NC_003824	4647 nt	Mar 9 1995
Trichomonas vaginalis virus 3		NC_004034	4844 nt	Dec 2 2001
Trichomonas vaginalis virus II		NC_003873	4674 nt	Feb 2 2000
Trichoplusia ni SNPV		NC_007383	134394 nt	Aug 11 2005
Trichoplusia ni cytoplasmic polyhedrosis virus 15	RNA 1	NC_002557	4361 nt	Aug 14 2000
Trichoplusia ni cytoplasmic polyhedrosis virus 15	RNA 2	NC_002558	4187 nt	Aug 14 2000
Trichoplusia ni cytoplasmic polyhedrosis virus 15	RNA 3	NC_002559	3878 nt	Aug 14 2000
Trichoplusia ni cytoplasmic polyhedrosis virus 15	RNA 4	NC_002567	3311 nt	Aug 14 2000
Trichoplusia ni cytoplasmic polyhedrosis virus 15	RNA 5	NC_002560	2260 nt	Aug 14 2000
Trichoplusia ni cytoplasmic polyhedrosis virus 15	RNA 6	NC_002561	1859 nt	Aug 14 2000
Trichoplusia ni cytoplasmic polyhedrosis virus 15	RNA 7	NC_002562	1776 nt	Aug 14 2000
Trichoplusia ni cytoplasmic polyhedrosis virus 15	RNA 8	NC_002563	1234 nt	Aug 14 2000
Trichoplusia ni cytoplasmic polyhedrosis virus 15	RNA 9	NC_002564	1157 nt	Aug 14 2000
Trichoplusia ni cytoplasmic polyhedrosis virus 15	RNA 10	NC_002565	897 nt	Aug 14 2000
Trichoplusia ni cytoplasmic polyhedrosis virus 15	RNA 11	NC_002566	200 nt	Aug 14 2000
Tula virus	segment L	NC_005226	6541 nt	Nov 21 2003
Tula virus	segment M	NC_005228	3694 nt	Nov 28 2003
Tula virus	segment S	NC_005227	1831 nt	Nov 21 2003
Tulare apple mosaic virus	RNA 1	NC_003833	3459 nt	Feb 7 2001
Tulare apple mosaic virus	RNA 2	NC_003834	2944 nt	Feb 7 2001
Tulare apple mosaic virus	RNA 3	NC_003835	2229 nt	Feb 7 2001
Tulip virus X		NC_004322	6056 nt	Sep 26

				2002
Tupaia herpesvirus		NC_002794	195859 nt	Mar 11 2002
Tupaia paramyxovirus		NC_002199	17904 nt	Apr 11 2000
Tupaia rhabdovirus		NC_007020	11440 nt	May 16 2005
Turkey adenovirus A		NC_001958	26263 nt	Oct 19 1998
Turkey astrovirus		NC_002470	7003 nt	Jun 10 2003
Turkey astrovirus 2		NC_005790	7355 nt	Mar 8 2004
Turnip crinkle virus		NC_003821	4050 nt	Aug 3 1993
Turnip crinkle virus satellite RNA		NC_004033	230 nt	Apr 3 1989
Turnip crinkle virus virulent satellite RNA C		NC_006451	355 nt	Apr 3 1989
Turnip mosaic virus		NC_002509	9835 nt	Nov 15 2002
Turnip rosette virus		NC_004553	4037 nt	Nov 19 2003
Turnip vein-clearing virus		NC_001873	6311 nt	Nov 11 1993
Turnip yellow mosaic virus		NC_004063	6318 nt	Nov 8 2002
Turnip yellows virus		NC_003743	5641 nt	Nov 17 1988
UR2 sarcoma virus		NC_001618	3166 nt	Apr 27 1993
Ustilago maydis virus H1		NC_003823	6099 nt	Dec 7 1994
Usutu virus		NC_006551	11066 nt	Dec 17 2004
Uukuniemi virus	segment L	NC_005214	6423 nt	Nov 18 2003
Uukuniemi virus	segment M	NC_005220	3229 nt	Nov 18 2003
Uukuniemi virus	segment S	NC_005221	1720 nt	Nov 18 2003
Vaccinia virus		NC_006998	194711 nt	May 19 2005
Variola virus		NC_001611	185578 nt	May 4 1993
Varroa destructor virus 1		NC_006494	10112 nt	Jun 6 2003
Velvet tobacco mottle virus Satellite RNA		NC_003906	366 nt	Aug 2 1993
Venezuelan equine encephalitis virus		NC_001449	11444 nt	Apr 8 2003
Vernonia yellow vein virus		NC_007730	2745 nt	Jan 25 2006
Vesicular exanthema of swine virus		NC_002551	8284 nt	Feb 14 2003
Vesicular stomatitis Indiana virus		NC_001560	11161 nt	Jan 12 2004

Vicia cryptic virus	RNA1	NC_007241	2012 nt	Aug 2 2005
Vicia cryptic virus	RNA2	NC_007242	1779 nt	Aug 2 2005
Vicia faba endornavirus		NC_007648	17635 nt	Jun 2 1998
Viral hemorrhagic septicemia virus		NC_000855	11158 nt	Jun 9 1999
Visna virus		NC_001452	9202 nt	Jun 12 1993
Walleye dermal sarcoma virus		NC_001867	12708 nt	Jan 21 1998
Walrus calicivirus		NC_004541	8289 nt	Feb 14 2003
Watermelon chlorotic stunt virus	DNA A	NC_003708	2745 nt	Dec 13 2000
Watermelon chlorotic stunt virus	DNA B	NC_003709	2753 nt	Dec 13 2000
Watermelon mosaic virus		NC_006262	10035 nt	Sep 9 2004
Watermelon silver mottle virus	L	NC_003832	8917 nt	Jan 2 2001
Watermelon silver mottle virus	M	NC_003841	4880 nt	Feb 1 1997
Watermelon silver mottle virus	S	NC_003843	3534 nt	Nov 27 1996
West Nile virus		NC_001563	10962 nt	Jan 14 2003
Western equine encephalomyelitis virus		NC_003908	11484 nt	Apr 8 2003
Wheat dwarf virus		NC_003326	2750 nt	Dec 19 2001
Wheat streak mosaic virus		NC_001886	9384 nt	Nov 15 2002
Wheat yellow mosaic virus	RNA 1	NC_002350	7636 nt	Nov 15 2002
Wheat yellow mosaic virus	RNA 2	NC_002349	3659 nt	Nov 15 2002
White clover cryptic virus 1	RNA 1	NC_006275	1955 nt	Sep 14 2004
White clover cryptic virus 1	RNA 2	NC_006276	1708 nt	Sep 14 2004
White clover mosaic virus		NC_003820	5845 nt	Aug 10 1988
Wild potato mosaic virus		NC_004426	9878 nt	Jan 13 2004
Wisteria vein mosaic virus		NC_007216	9695 nt	Jul 1 2005
Woodchuck hepatitis B virus		NC_004107	3323 nt	Dec 3 2003
Woolly monkey hepatitis B Virus		NC_001896	3179 nt	May 22 1998
Woolly monkey sarcoma virus		NC_001514	8785 nt	May 16 1995
Xenotropic MuLV-related virus VP62		NC_007815	8185 nt	Mar 16 2006
Xestia c-nigrum granulovirus		NC_002331	178733 nt	Jun 7 2000
Yaba monkey tumor virus		NC_005179	134721 nt	Nov 8 2003
Yaba-like disease virus		NC_002642	144575 nt	Jan 6 2001
Yam mosaic virus		NC_004752	9608 nt	Jun 4 2004

Yellow fever virus		NC_002031	10862 nt	Jan 14 2003
Yokose virus		NC_005039	10857 nt	Jul 17 2003
Youcai mosaic virus		NC_004422	6303 nt	Nov 20 2002
Yunnan orbivirus	1	NC_007656	3993 nt	Nov 23 2005
Yunnan orbivirus	10	NC_007665	825 nt	Nov 23 2005
Yunnan orbivirus	2	NC_007657	2900 nt	Nov 23 2005
Yunnan orbivirus	3	NC_007658	2688 nt	Nov 23 2005
Yunnan orbivirus	4	NC_007659	1993 nt	Nov 23 2005
Yunnan orbivirus	5	NC_007660	1957 nt	Nov 23 2005
Yunnan orbivirus	6	NC_007661	1683 nt	Nov 23 2005
Yunnan orbivirus	7	NC_007662	1504 nt	Nov 23 2005
Yunnan orbivirus	8	NC_007663	1191 nt	Nov 23 2005
Yunnan orbivirus	9	NC_007664	1082 nt	Nov 23 2005
Zaire ebolavirus		NC_002549	18959 nt	Feb 10 1999
Zinnia leaf curl disease associated sequence		NC_005047	1350 nt	Jul 29 2003
Zinnia leaf curl virus-associated DNA beta		NC_005874	1354 nt	May 14 2004
Zucchini green mottle mosaic virus		NC_003878	6513 nt	Oct 29 2001
Zucchini yellow mosaic virus		NC_003224	9591 nt	Nov 15 2002
Zygocactus virus X		NC_006059	6624 nt	Jul 21 2004
Zygosaccharomyces bailii virus Z		NC_003874	3157 nt	Mar 2 2000