- 1 FIGURE LEGENDS SUPPLEMENTARY MATERIAL
- 2 Fig. S1. RNA CoMPASS analysis of c666-1.
- 3 Fig. S2. RNA CoMPASS analysis of x666-1.
- 4 Fig. S3. RNA CoMPASS analysis of CNE1.
- 5 Fig. S4. RNA CoMPASS analysis of HONE1. The presence of mycoplasma reads
- 6 likely represents true contamination.
- 7 Fig. S5. RNA CoMPASS analysis of HK1.
- 8 Fig. S6. RNA CoMPASS analysis of NP460.
- 9
- 10 Fig. S7. MuLV detected in c666-1, x666-1, and NP460 cell lines.
- 11 Fig. S8. HPV-18 detected in three independent sources of CNE1 cell lines.
- 12 Quantitative real-time PCR on CNE1 cells from three independent laboratories were
- 13 surveyed for the presence of HPV-16 and HPV-18. All three cell lines demonstrated
- 14 evidence of HPV-18 but none was infected with HPV-16. Samples were normalized to
- 15 GAPDH and compared to NPC cell line c666-1 for relative viral expression.

16

- 17 Fig. S9. RNA CoMPASS analysis of CNE1-JPN. The presence of mycoplasma reads
- 18 likely represents true contamination.
- 19

20 Fig. S10. Strand specific RNA-sequencing of ribodepleted RNA from CNE1, CNE1-

JPN, and HONE1 cell lines reveals the majority of transcription in the sense

22 direction. Coverage graphs are represented using a linear scale. Green coverage

23 represents reads in both the sense and antisense strands, blue coverage represents

those reads in the sense direction, and pink coverage represents those reads in the
antisense direction. The y-axis represents the number of reads at each nucleotide
position of the genome. Insets within the antisense coverage represent blowups of
those regions with a max scale of minus 15 reads since there were so few reads. The
max scale for the other coverage graphs is 1,750 reads.

29

Fig. S11. HPV-18 breakpoint 1-a. Homology: sequence that shares homology with
both human and HPV-18 sequence.

32 Fig. S12. HPV-18 breakpoint 2-c.

Fig. S13. HPV-18 breakpoint 3-d. Homology: sequence that shares homology with
both human and HPV-18 sequence.

Fig. S14. HPV-18 breakpoint 4-e. Homology: sequence that shares homology with
both human and HPV-18 sequence.

Fig. S15. HPV-18 breakpoint 5-b. No homology: sequence that shares no homology
with human or HPV-18 sequence.

39

40 Fig. S16. HPV-18 SNV analysis shows identical SNVs in HeLa cells, CNE1, and

41 HONE1 cells. Raw reads from HeLa, CNE1, and HONE1 datasets aligned to the HPV-

42 18 genome (NC001357) were visualized in the IGV genome browser. Coverage graphs

43 are represented using a log scale. The y-axis represents the number of reads at each

44 nucleotide position. Blowouts of all mismatches observed in the samples are shown in

45 individual boxes. The nucleotide mutation coordinates and corresponding amino acid

46 changes are represented above each respective box.

- 47 Fig. S17. Specific SNVs within CNE1 and HONE1 exhibit heterogeneity relative to
- 48 HeLa cells.
- **Table S1. List of PCR primers.**
- **Table S2. List of human viruses used in custom viral genome.**
- **Table S3. Quantification of HPV-18 genes in NPC cell lines.**

Fig. S1. RNA CoMPASS analysis of c666-1





Fig. S3 RNA CoMPASS analysis of CNE1











Fig. S6 RNA CoMPASS analysis of NP460





Fig. S7

Fig. S8



Fig. S9 RNA CoMPASS analysis of CNE1-JPN



Fig. S10



HPV-18 genome





















Fig. S16









С



		Forward primer	Reverse primer
GAPDH	Reference gene	5'-GAAATCCCATCACCATCTTCCAGG-3'	5'-GAGCCCCAGCCTTCTCCATG-3'
HPV-16	Reference gene	5'-TTGCAGATCATCAAGAACACGTAGA-3'	5'-CAGTAGAGATCAGTTGTCTCTGGTTGC-3'
HPV-18	Reference gene	5'-AGAGGCCAGTGCCATTCGT-3'	5'-GTTTCTCTGCGTCGTTGGAGT-3'
EBV- EBER		5'-GGACCTACGCTGCCCTAGA-3'	5'-CAGCTGGTACTTGACCGAAGA-3'

Reference for GAPDH primer: West et al, JBC 2004, Vol 279, (28): 28896-28902 Reference for HPV-16 and HPV-18 primers: Lindh et al, J ClinVirol. 2007, Vol 40, (4): 321-4

VM164A	5'-TGCCTCCTAGATCGTATTCCC-3'		
VM-164B	5'-GCACTCTGTGGCATGAAGGT-3'		
RB164K2	5'-TGGCTCCTCCCTCTATTATCG-3'		

Primers for genotyping of the HeLa-specific L1 retrotransposon marker.

Table S2. List of human viruses used in custom viral genome.

Accession # Genome NC 001499.1 Abelson murine leukemia virus complete genome NC 002077.1 Adeno-associated virus - 1 complete genome NC 001401.2 Adeno-associated virus - 2 complete genome NC 001729.1 Adeno-associated virus - 3 complete genome NC 001829.1 Adeno-associated virus - 4 complete genome NC 006260.1 Adeno-associated virus - 7 complete genome NC 006261.1 Adeno-associated virus - 8 complete genome NC 006152.1 Adeno-associated virus 5 complete genome AF028704.1 Adeno-associated virus 6 complete genome NC 007548.1 Adult diarrheal rotavirus strain J19 complete genome NC 007549.1 Adult diarrheal rotavirus strain J19 complete genome NC 007550.1 Adult diarrheal rotavirus strain J19 complete genome NC 007551.1 Adult diarrheal rotavirus strain J19 complete genome NC 007552.1 Adult diarrheal rotavirus strain J19 complete genome NC 007553.1 Adult diarrheal rotavirus strain J19 complete genome NC 007554.1 Adult diarrheal rotavirus strain J19 complete genome NC 007555.1 Adult diarrheal rotavirus strain J19 complete genome NC 007556.1 Adult diarrheal rotavirus strain J19 complete genome NC 007557.1 Adult diarrheal rotavirus strain J19 complete genome NC 007558.1 Adult diarrheal rotavirus strain J19 complete genome NC 012932.1 Aedes flavivirus complete genome NC 015451.1 Aguacate virus segment L complete genome NC 015450.1 Aguacate virus segment M complete genome NC 015452.1 Aguacate virus segment S complete genome NC 018459.1 Aino virus Gn-Gc-NSm gene for M polyprotein segment M genomic RNA isolate 38K NC 018460.1 Aino virus N and NSs genes segment S genomic RNA isolate 38K NC 018465.1 Aino virus RdRp gene for RNA-dependent RNA polymerase segment L genomic RNA isolate 38K NC 009894.1 Akabane virus segment L complete sequence NC 009895.1 Akabane virus segment M complete sequence

NC 009896.1 Akabane virus segment S complete sequence NC 004355.1 Alkhurma virus complete genome NC 010249.1 Allpahuayo virus segment L complete sequence NC 010253.1 Allpahuayo virus segment S complete sequence NC 010251.1 Amapari virus segment L complete sequence NC 010247.1 Amapari virus segment S complete sequence NC 003468.2 Andes virus segment L complete genome NC 003467.2 Andes virus segment M complete genome NC 003466.1 Andes virus segment S complete sequence NC 003676.1 Apoi virus genome NC 020808.1 Aravan virus complete genome NC 023635.1 Arumowot virus segment L complete sequence NC 023633.1 Arumowot virus segment M complete sequence NC 023634.1 Arumowot virus segment S complete sequence NC 003243.1 Australian bat lyssavirus complete genome NC 007652.1 Avian metapneumovirus NC 019531.1 Avian paramyxovirus 4 strain APMV-4/duck/Delaware/549227/2010 complete genome NC 003043.1 Avian paramyxovirus 6 complete genome NC 012534.1 Bagaza virus complete genome NC 004211.1 Banna virus segment 1 complete sequence NC 004201.1 Banna virus segment 10 complete sequence NC 004200.1 Banna virus segment 11 complete sequence NC 004198.1 Banna virus segment 12 complete seguence NC 004217.1 Banna virus segment 2 complete sequence NC 004218.1 Banna virus segment 3 complete sequence NC 004219.1 Banna virus segment 4 complete sequence NC 004220.1 Banna virus segment 5 complete sequence NC 004221.1 Banna virus segment 6 complete sequence NC 004204.1 Banna virus segment 7 complete sequence NC 004203.1 Banna virus segment 8 complete sequence

NC 004202.1 Banna virus segment 9 complete sequence NC 018382.1 Bat hepevirus complete genome NC 017936.1 Bat sapovirus TLC58 HK complete genome NC 010255.1 Bear Canyon virus segment L complete sequence NC 010256.1 Bear Canyon virus segment S complete sequence NC 007803.1 Beilong virus complete genome NC 001538.1 BK polyomavirus complete genome NC 001607.1 Borna disease virus complete genome NC 002161.1 Bovine parainfluenza virus 3 complete genome NC 001989.1 Bovine respiratory syncytial virus complete genome NC 022039.1 Brazoran virus segment L complete sequence NC 022038.1 Brazoran virus segment M complete sequence NC 022037.1 Brazoran virus segment S complete sequence NC 014373.1 Bundibugyo ebolavirus complete genome NC 001925.1 Bunyamwera virus L segment complete sequence NC 001926.1 Bunyamwera virus M segment complete sequence NC 001927.1 Bunyamwera virus segment S complete sequence NC 009026.2 Bussuguara virus complete genome NC 012126.1 California sea lion anellovirus complete genome NC 015374.1 Candiru virus segment L complete genome NC 015373.1 Candiru virus segment M complete genome NC 015375.1 Candiru virus segment S complete genome NC 001921.1 Canine distemper virus complete genome NC 018484.1 CAS virus segment L complete genome NC 018481.1 CAS virus segment S complete genome NC 001564.1 Cell fusing agent virus complete genome NC 020805.1 Chandipura virus isolate CIN 0451 complete genome NC 017086.1 Chaoyang virus complete genome NC 010563.1 Chapare virus segment L complete sequence NC 010562.1 Chapare virus segment S complete sequence

- NC 004162.2 Chikungunya virus complete genome
- NC 015692.1 Colobus guereza papillomavirus type 2 complete genome
- NC 004181.1 Colorado tick fever virus segment 1 complete sequence
- NC 004189.1 Colorado tick fever virus segment 10 complete sequence
- NC 004191.1 Colorado tick fever virus segment 11 complete sequence
- NC 004190.1 Colorado tick fever virus segment 12 complete sequence
- NC 004182.1 Colorado tick fever virus segment 2 complete sequence
- NC 004183.1 Colorado tick fever virus segment 3 complete sequence
- NC 004184.1 Colorado tick fever virus segment 4 complete sequence
- NC 004185.1 Colorado tick fever virus segment 5 complete sequence
- NC 004186.1 Colorado tick fever virus segment 6 complete sequence
- NC 004187.1 Colorado tick fever virus segment 7 complete sequence
- NC 004188.1 Colorado tick fever virus segment 8 complete sequence
- NC 004180.1 Colorado tick fever virus segment 9 complete sequence
- NC 014372.1 Cote d'Ivoire ebolavirus
- NC 005301.3 Crimean-Congo hemorrhagic fever virus segment L complete sequence
- NC 005300.2 Crimean-Congo hemorrhagic fever virus segment M complete sequence
- NC 005302.1 Crimean-Congo hemorrhagic fever virus segment S complete sequence
- NC 008604.2 Culex flavivirus complete genome
- NC 010252.1 Cupixi virus segment L complete sequence
- NC 010254.1 Cupixi virus segment S complete sequence
- NC 015521.1 Cutthroat trout virus complete genome
- NC 001477.1 Dengue virus 1 complete genome
- NC 001474.2 Dengue virus 2 complete genome
- NC 001475.2 Dengue virus 3 complete genome
- NC 002640.1 Dengue virus 4 complete genome
- NC 005234.1 Dobrava virus segment M complete sequence
- NC 005233.1 Dobrava virus segment S complete sequence
- NC 005235.1 Dobrava-Belgrade virus strain DOBV/Ano-Poroia/Afl9/1999
- NC 005283.1 Dolphin morbillivirus complete genome

NC 016997.1 Donggang virus complete genome NC 004159.1 Dugbe virus segment L complete sequence NC 004158.1 Dugbe virus segment M complete sequence NC 004157.1 Dugbe virus segment S complete sequence NC 020810.1 Duvenhage virus isolate 86132SA complete genome NC 002549.1 Ebola virus - Mayinga Zaire 1976 strain Mayinga NC 008718.1 Entebbe bat virus complete genome NC 009527.1 European bat lyssavirus 1 complete genome NC 009528.1 European bat lyssavirus 2 complete genome NC 003696.1 Eyach virus segment 1 complete genome NC 003705.1 Eyach virus segment 10 complete genome NC 003706.1 Eyach virus segment 11 complete genome NC 003707.1 Eyach virus segment 12 complete genome NC 003697.1 Eyach virus segment 2 complete genome NC 003698.1 Eyach virus segment 3 complete genome NC 003699.1 Eyach virus segment 4 complete genome NC 003700.1 Evach virus segment 5 complete genome NC 003701.1 Eyach virus segment 6 complete genome NC 003702.1 Eyach virus segment 7 complete genome NC 003703.1 Eyach virus segment 8 complete genome NC 003704.1 Eyach virus segment 9 complete genome NC 005084.2 Fer-de-lance virus complete genome NC 010759.1 Flexal virus segment L complete sequence NC 010757.1 Flexal virus segment S complete sequence NC 001362.1 Friend murine leukemia virus complete genome NC 001710.1 GB virus C/Hepatitis G virus complete genome NC 018482.1 Golden Gate virus segment L complete genome NC 018483.1 Golden Gate virus segment S complete genome NC 005036.1 Goose paramyxovirus SF02 complete genome NC 014522.1 Great Island virus segment 1 complete genome

NC 014531.1 Great Island virus segment 10 complete genome NC 014523.1 Great Island virus segment 2 complete genome NC 014524.1 Great Island virus segment 3 complete genome NC 014525.1 Great Island virus segment 4 complete genome NC 014526.1 Great Island virus segment 5 complete genome NC 014527.1 Great Island virus segment 6 complete genome NC 014528.1 Great Island virus segment 7 complete genome NC 014529.1 Great Island virus segment 8 complete genome NC 014530.1 Great Island virus segment 9 complete genome NC 005082.1 Guanarito virus segment L complete genome NC 005077.1 Guanarito virus segment S complete genome NC 005218.1 Hantaan virus complete genome NC 005219.1 Hantaan virus complete genome NC 005222.1 Hantaan virus segment L complete genome NC 006435.1 Hantavirus Z10 chromosome L complete genome NC 006433.1 Hantavirus Z10 chromosome S segment complete genome NC 006437.1 Hantavirus Z10 segment M complete genome NC 001906.3 Hendra virus complete genome NC 003977.1 Hepatitis B virus complete genome NC 004102.1 Hepatitis C virus genotype 1 complete genome NC 009823.1 Hepatitis C virus genotype 2 complete genome NC 009824.1 Hepatitis C virus genotype 3 genome NC 009825.1 Hepatitis C virus genotype 4 genome NC 009826.1 Hepatitis C virus genotype 5 genome NC 009827.1 Hepatitis C virus genotype 6 complete genome NC 001653.2 Hepatitis delta virus complete genome NC 001434.1 Hepatitis E virus complete genome NC 012959.1 Human adenovirus 54 complete genome NC 001460.1 Human adenovirus A complete genome NC 011203.1 Human adenovirus B1 complete genome

NC 011202.1 Human adenovirus B2 complete genome NC 001405.1 Human adenovirus C complete genome NC 010956.1 Human adenovirus D complete genome NC 003266.2 Human adenovirus E complete genome NC 001454.1 Human adenovirus F complete genome NC 001943.1 Human astrovirus complete genome NC 007455.1 Human bocavirus complete genome NC 012042.1 Human bocavirus 2 complete genome NC 012564.1 Human bocavirus 3 complete genome NC 012729.2 Human bocavirus 4 complete genome NC 002645.1 Human coronavirus 229E complete genome NC 006577.2 Human coronavirus HKU1 complete genome NC 005831.2 Human coronavirus NL63 complete genome NC 005147.1 Human coronavirus OC43 complete genome NC 022518.1 Human endogenous retrovirus K113 complete genome NC 012950.1 Human enteric coronavirus strain 4408 complete genome NC 001612.1 Human enterovirus A complete genome NC 001472.1 Human enterovirus B complete genome NC 001430.1 Human enterovirus D complete genome NC 004295.1 Human erythrovirus V9 complete genome NC 001806.1 Human herpesvirus 1 complete genome NC 001798.1 Human herpesvirus 2 complete genome NC 001348.1 Human herpesvirus 3 complete genome NC 007605.1 Human herpesvirus 4 Type 1 NC 009334.1 Human herpesvirus 4 Type 2 NC 006273.2 Human herpesvirus 5 strain Merlin complete genome NC 001664.2 Human herpesvirus 6A complete genome NC 000898.1 Human herpesvirus 6B complete genome NC 001716.2 Human herpesvirus 7 complete genome NC 009333.1 Human herpesvirus 8 complete genome

NC 001802.1	Human immunodeficiency virus 1 complete genome
NC 001722.1	Human immunodeficiency virus 2 complete genome
NC 004148.2	Human metapneumovirus complete genome
HPV1REF	Human papillomavirus 1
HPV2REF	Human papillomavirus 2
HPV3REF	Human papillomavirus 3
HPV4REF	Human papillomavirus 4
HPV5REF	Human papillomavirus 5
HPV6REF	Human papillomavirus 6
HPV7REF	Human papillomavirus 7
HPV8REF	Human papillomavirus 8
HPV9REF	Human papillomavirus 9
HPV10REF	Human papillomavirus 10
HPV11REF	Human papillomavirus 11
HPV12REF	Human papillomavirus 12
HPV13REF	Human papillomavirus 13
HPV14REF	Human papillomavirus 14
HPV15REF	Human papillomavirus 15
HPV16REF	Human papillomavirus 16
HPV17REF	Human papillomavirus 17
HPV18REF	Human papillomavirus 18
HPV19REF	Human papillomavirus 19
HPV20REF	Human papillomavirus 20
HPV21REF	Human papillomavirus 21
HPV22REF	Human papillomavirus 22
HPV23REF	Human papillomavirus 23
HPV24REF	Human papillomavirus 24
HPV25REF	Human papillomavirus 25
HPV26REF	Human papillomavirus 26
HPV27REF	Human papillomavirus 27

HPV28REF	Human papillomavirus 28
HPV29REF	Human papillomavirus 29
HPV30REF	Human papillomavirus 30
HPV31REF	Human papillomavirus 31
HPV32REF	Human papillomavirus 32
HPV33REF	Human papillomavirus 33
HPV34REF	Human papillomavirus 34
HPV35REF	Human papillomavirus 35
HPV36REF	Human papillomavirus 36
HPV37REF	Human papillomavirus 37
HPV38REF	Human papillomavirus 38
HPV39REF	Human papillomavirus 39
HPV40REF	Human papillomavirus 40
HPV41REF	Human papillomavirus 41
HPV42REF	Human papillomavirus 42
HPV43REF	Human papillomavirus 43
HPV44REF	Human papillomavirus 44
HPV45REF	Human papillomavirus 45
HPV47REF	Human papillomavirus 47
HPV48REF	Human papillomavirus 48
HPV49REF	Human papillomavirus 49
HPV50REF	Human papillomavirus 50
HPV51REF	Human papillomavirus 51
HPV52REF	Human papillomavirus 52
HPV53REF	Human papillomavirus 53
HPV54REF	Human papillomavirus 54
HPV56REF	Human papillomavirus 56
HPV57REF	Human papillomavirus 57
HPV58REF	Human papillomavirus 58
HPV59REF	Human papillomavirus 59

HPV60REF	Human papillomavirus 60
HPV61REF	Human papillomavirus 61
HPV62REF	Human papillomavirus 62
HPV63REF	Human papillomavirus 63
HPV65REF	Human papillomavirus 65
HPV66REF	Human papillomavirus 66
HPV67REF	Human papillomavirus 67
HPV68REF	Human papillomavirus 68
HPV69REF	Human papillomavirus 69
HPV70REF	Human papillomavirus 70
HPV71REF	Human papillomavirus 71
HPV72REF	Human papillomavirus 72
HPV73REF	Human papillomavirus 73
HPV74REF	Human papillomavirus 74
HPV75REF	Human papillomavirus 75
HPV76REF	Human papillomavirus 76
HPV77REF	Human papillomavirus 77
HPV80REF	Human papillomavirus 80
HPV81REF	Human papillomavirus 81
HPV82REF	Human papillomavirus 82
HPV83REF	Human papillomavirus 83
HPV84REF	Human papillomavirus 84
HPV85REF	Human papillomavirus 85
HPV86REF	Human papillomavirus 86
HPV87REF	Human papillomavirus 87
HPV88REF	Human papillomavirus 88
HPV89REF	Human papillomavirus 89
HPV90REF	Human papillomavirus 90
HPV91REF	Human papillomavirus 91
HPV92REF	Human papillomavirus 92

HPV93REF	Human papillomavirus 93
HPV94REF	Human papillomavirus 94
HPV95REF	Human papillomavirus 95
HPV96REF	Human papillomavirus 96
HPV97REF	Human papillomavirus 97
HPV98REF	Human papillomavirus 98
HPV99REF	Human papillomavirus 99
HPV100REF	Human papillomavirus 100
HPV101REF	Human papillomavirus 101
HPV102REF	Human papillomavirus 102
HPV103REF	Human papillomavirus 103
HPV104REF	Human papillomavirus 104
HPV105REF	Human papillomavirus 105
HPV106REF	Human papillomavirus 106
HPV107REF	Human papillomavirus 107
HPV108REF	Human papillomavirus 108
HPV109REF	Human papillomavirus 109
HPV110REF	Human papillomavirus 110
HPV111REF	Human papillomavirus 111
HPV112REF	Human papillomavirus 112
HPV113REF	Human papillomavirus 113
HPV114REF	Human papillomavirus 114
HPV115REF	Human papillomavirus 115
HPV116REF	Human papillomavirus 116
HPV117REF	Human papillomavirus 117
HPV118REF	Human papillomavirus 118
HPV119REF	Human papillomavirus 119
HPV120REF	Human papillomavirus 120
HPV121REF	Human papillomavirus 121
HPV122REF	Human papillomavirus 122

HPV123REF	Human papillomavirus 123
HPV124REF	Human papillomavirus 124
HPV125REF	Human papillomavirus 125
HPV126REF	Human papillomavirus 126
HPV127REF	Human papillomavirus 127
HPV128REF	Human papillomavirus 128
HPV129REF	Human papillomavirus 129
HPV130REF	Human papillomavirus 130
HPV131REF	Human papillomavirus 131
HPV132REF	Human papillomavirus 132
HPV133REF	Human papillomavirus 133
HPV134REF	Human papillomavirus 134
HPV135REF	Human papillomavirus 135
HPV136REF	Human papillomavirus 136
HPV137REF	Human papillomavirus 137
HPV138REF	Human papillomavirus 138
HPV139REF	Human papillomavirus 139
HPV140REF	Human papillomavirus 140
HPV141REF	Human papillomavirus 141
HPV142REF	Human papillomavirus 142
HPV143REF	Human papillomavirus 143
HPV144REF	Human papillomavirus 144
HPV145REF	Human papillomavirus 145
HPV146REF	Human papillomavirus 146
HPV147REF	Human papillomavirus 147
HPV148REF	Human papillomavirus 148
HPV149REF	Human papillomavirus 149
HPV150REF	Human papillomavirus 150
HPV151REF	Human papillomavirus 151
HPV153REF	Human papillomavirus 153

HPV154REF Human papillomavirus 154

- HPV155REF Human papillomavirus 155 HPV156REF Human papillomavirus 156
- HPV156REF Human papillomavirus 156 HPV159REF Human papillomavirus 159
- HPV160REF Human papillomavirus 160
- HPV161REF Human papillomavirus 161
- HPV162REF Human papillomavirus 162
- HPV163REF Human papillomavirus 163
- HPV164REF Human papillomavirus 164
- HPV165REF Human papillomavirus 165
- HPV166REF Human papillomavirus 166
- HPV169REF Human papillomavirus 169
- HPV170REF Human papillomavirus 170
- NC 003461.1 Human parainfluenza virus 1 complete genome
- NC 003443.1 Human parainfluenza virus 2 complete genome
- NC 001796.2 Human parainfluenza virus 3 complete genome
- NC 021928.1 Human parainfluenza virus 4a viral cRNA complete genome strain: M-25
- NC 000883.2 Human parvovirus B19 complete genome
- NC 007026.1 Human picobirnavirus RNA segment 1 complete sequence
- NC 007027.1 Human picobirnavirus RNA segment 2 complete sequence
- NC 001781.1 Human respiratory syncytial virus complete genome
- NC 001490.1 Human rhinovirus 14 complete genome
- NC 001617.1 Human rhinovirus 89 complete genome
- NC 021545.1 Human rotavirus B strain Bang373 inner capsid protein (VP2) gene complete cds
- NC 021544.1 Human rotavirus B strain Bang373 inner capsid protein (VP6) gene complete cds
- NC 021548.1 Human rotavirus B strain Bang373 nonstructural protein (NSP2) gene complete cds
- NC 021547.1 Human rotavirus B strain Bang373 nonstructural protein (NSP3) gene complete cds
- NC 021550.1 Human rotavirus B strain Bang373 nonstructural protein (NSP4) gene complete cds
- NC 021549.1 Human rotavirus B strain Bang373 nonstructural protein (NSP5) gene complete cds

- NC 021546.1 Human rotavirus B strain Bang373 nonstructural protein 1-1 (NSP1-1) nonstructural protein 1-2 (NSP1-2) and nonstructural protein 1-3 (NSP1-3) genes complete cds
- NC 021543.1 Human rotavirus B strain Bang373 outer capsid protein (VP4) gene complete cds
- NC 021542.1 Human rotavirus B strain Bang373 outer capsid protein (VP7) gene complete cds
- NC 021541.1 Human rotavirus B strain Bang373 RNA dependent RNA polymerase (VP1) mRNA complete cds
- NC 021551.1 Human rotavirus B strain Bang373 VP3 (VP3) mRNA complete cds
- NC 001436.1 Human T-lymphotropic virus 1 complete genome
- NC 001488.1 Human T-lymphotropic virus 2 complete genome
- NC 011800.1 Human T-lymphotropic virus 4 complete genome
- NC 018629.1 Ikoma lyssavirus complete genome
- NC 009028.2 Ilheus virus complete genome
- NC 007357.1 Influenza A virus (A/Goose/Guangdong/1/96(H5N1)) complete genome
- NC 007359.1 Influenza A virus (A/Goose/Guangdong/1/96(H5N1)) complete genome
- NC 007360.1 Influenza A virus (A/Goose/Guangdong/1/96(H5N1)) complete genome
- NC 007364.1 Influenza A virus (A/Goose/Guangdong/1/96(H5N1)) complete genome
- NC 007358.1 Influenza A virus (A/Goose/Guangdong/1/96(H5N1)) segment 2 complete sequence
- NC 007362.1 Influenza A virus (A/Goose/Guangdong/1/96(H5N1)) segment 4 complete sequence
- NC 007361.1 Influenza A virus (A/Goose/Guangdong/1/96(H5N1)) strain A/Goose/Guangdong/1/96(H5N1)
- NC 007363.1 Influenza A virus (A/Goose/Guangdong/1/96(H5N1)) strain A/Goose/Guangdong/1/96(H5N1)
- NC 004905.2 Influenza A virus (A/Hong Kong/1073/99(H9N2)) complete genome
- NC 004910.1 Influenza A virus (A/Hong Kong/1073/99(H9N2)) segment 1 complete sequence
- NC 004911.1 Influenza A virus (A/Hong Kong/1073/99(H9N2)) segment 2 complete sequence
- NC 004912.1 Influenza A virus (A/Hong Kong/1073/99(H9N2)) segment 3 complete sequence
- NC 004908.1 Influenza A virus (A/Hong Kong/1073/99(H9N2)) segment 4 complete sequence
- NC 004909.1 Influenza A virus (A/Hong Kong/1073/99(H9N2)) segment 6 complete sequence
- NC 004907.1 Influenza A virus (A/Hong Kong/1073/99(H9N2)) segment 7 complete sequence
- NC 004906.1 Influenza A virus (A/Hong Kong/1073/99(H9N2)) segment 8 complete sequence
- NC 007378.1 Influenza A virus (A/Korea/426/1968(H2N2)) complete genome
- NC 007375.1 Influenza A virus (A/Korea/426/68(H2N2)) segment 2 complete sequence
- NC 007376.1 Influenza A virus (A/Korea/426/68(H2N2)) segment 3 complete sequence

NC 007374.1 Influenza A virus (A/Korea/426/68(H2N2)) segment 4 complete sequence NC 007381.1 Influenza A virus (A/Korea/426/68(H2N2)) segment 5 complete sequence NC 007382.1 Influenza A virus (A/Korea/426/68(H2N2)) segment 6 complete sequence NC 007377.1 Influenza A virus (A/Korea/426/68(H2N2)) segment 7 complete sequence NC 007380.1 Influenza A virus (A/Korea/426/68(H2N2)) segment 8 complete sequence NC 007373.1 Influenza A virus (A/New York/392/2004(H3N2)) segment 1 complete sequence NC 007372.1 Influenza A virus (A/New York/392/2004(H3N2)) segment 2 complete sequence NC 007366.1 Influenza A virus (A/New York/392/2004(H3N2)) segment 4 complete sequence NC 007369.1 Influenza A virus (A/New York/392/2004(H3N2)) segment 5 complete sequence NC 007368.1 Influenza A virus (A/New York/392/2004(H3N2)) segment 6 complete sequence NC 007367.1 Influenza A virus (A/New York/392/2004(H3N2)) segment 7 complete sequence NC 007370.1 Influenza A virus (A/New York/392/2004(H3N2)) segment 8 complete sequence NC 007371.1 Influenza A virus (A/New York/392/2004(H3N2)) strain A/New York/392/2004 NC 002023.1 Influenza A virus (A/Puerto Rico/8/34(H1N1)) segment 1 complete sequence NC 002021.1 Influenza A virus (A/Puerto Rico/8/34(H1N1)) segment 2 complete sequence NC 002022.1 Influenza A virus (A/Puerto Rico/8/34(H1N1)) segment 3 complete sequence NC 002017.1 Influenza A virus (A/Puerto Rico/8/34(H1N1)) segment 4 complete sequence NC 002019.1 Influenza A virus (A/Puerto Rico/8/34(H1N1)) segment 5 complete sequence NC 002018.1 Influenza A virus (A/Puerto Rico/8/34(H1N1)) segment 6 complete sequence NC 002016.1 Influenza A virus (A/Puerto Rico/8/34(H1N1)) segment 7 complete sequence NC 002020.1 Influenza A virus (A/Puerto Rico/8/34(H1N1)) segment 8 complete sequence NC 002207.1 Influenza B virus RNA 4 complete sequence NC 002208.1 Influenza B virus RNA 5 complete sequence NC 002209.1 Influenza B virus RNA 6 complete sequence NC 002210.1 Influenza B virus RNA 7 complete sequence NC 002211.1 Influenza B virus RNA 8 complete sequence NC 002205.1 Influenza B virus RNA-2 complete sequence NC 002206.1 Influenza B virus RNA-3 complete seguence NC 006307.1 Influenza C virus (C/Ann Arbor/1/50) segment 1 partial sequence NC 006308.1 Influenza C virus (C/Ann Arbor/1/50) segment 2 complete sequence

NC 006309.1 Influenza C virus (C/Ann Arbor/1/50) segment 3 complete sequence NC 006310.1 Influenza C virus (C/Ann Arbor/1/50) segment 4 complete sequence NC 006311.1 Influenza C virus (C/Ann Arbor/1/50) segment 5 complete sequence NC 006312.1 Influenza C virus (C/Ann Arbor/1/50) segment 6 complete sequence NC 006306.2 Influenza C virus (C/Ann Arbor/1/50) segment 7 complete genome NC 007906.1 Ippy virus segment L complete sequence NC 007905.1 Ippy virus segment S complete sequence NC 020809.1 Irkut virus complete genome NC 007454.1 J-virus complete genome NC 001437.1 Japanese encephalitis virus genome NC 001699.1 JC polyomavirus complete genome NC 005080.1 Junin virus segment L complete genome NC 005081.1 Junin virus segment S complete genome NC 004210.1 Kadipiro virus chromosome segment 1 complete genome NC 004206.1 Kadipiro virus chromosome segment 10 complete genome NC 004199.1 Kadipiro virus chromosome segment 12 complete genome NC 004212.1 Kadipiro virus chromosome segment 2 complete genome NC 004213.1 Kadipiro virus chromosome segment 3 complete genome NC 004214.1 Kadipiro virus chromosome segment 4 complete genome NC 004215.1 Kadipiro virus chromosome segment 5 complete genome NC 004216.1 Kadipiro virus chromosome segment 6 complete genome NC 004208.1 Kadipiro virus chromosome segment 8 complete genome NC 004207.1 Kadipiro virus chromosome segment 9 complete genome NC 004205.1 Kadipiro virus segment 11 complete sequence NC 004209.1 Kadipiro virus segment 7 complete genome NC 005064.1 Kamiti River virus complete genome NC 006947.1 Karshi virus complete genome NC 012533.1 Kedougou virus complete genome NC 009238.1 KI polyomavirus Stockholm 60 complete genome NC 009029.2 Kokobera virus complete genome

NC 004108.1 La Crosse virus segment L complete genome NC 004109.1 La Crosse virus segment M complete genome NC 004110.1 La Crosse virus segment S complete genome NC 020807.1 Lagos bat virus isolate 0406SEN complete genome NC 001608.3 Lake Victoria marburgvirus - Musoke complete genome NC 003690.1 Langat virus complete genome NC 004297.1 Lassa virus segment L complete sequence NC 004296.1 Lassa virus segment S complete sequence NC 010760.1 Latino virus segment L complete seguence NC 010758.1 Latino virus segment S complete sequence NC 007736.1 Liao ning virus segment 1 complete genome NC 007745.1 Liao ning virus segment 10 complete genome NC 007746.1 Liao ning virus segment 11 complete genome NC 007747.1 Liao ning virus segment 12 complete genome NC 007737.1 Liao ning virus segment 2 complete genome NC 007738.1 Liao ning virus segment 3 complete genome NC 007739.1 Liao ning virus segment 4 complete genome NC 007740.1 Liao ning virus segment 5 complete genome NC 007741.1 Liao ning virus segment 6 complete genome NC 007742.1 Liao ning virus segment 7 complete genome NC 007743.1 Liao ning virus segment 8 complete genome NC 007744.1 Liao ning virus segment 9 complete genome NC 016144.1 Lloviu virus complete genome NC 001809.1 Louping ill virus complete genome NC 012777.1 Lujo virus segment L complete genome NC 012776.1 Lujo virus segment S complete genome NC 016153.1 Luna virus segment L complete genome NC 016152.1 Luna virus segment S complete genome NC 018711.1 Lunk virus NKS-1 segment L complete genome NC 018710.1 Lunk virus NKS-1 segment S complete genome

- NC 004291.1 Lymphocytic choriomeningitis virus segment L complete sequence
- NC 004294.1 Lymphocytic choriomeningitis virus segment S complete sequence
- NC 015691.1 Macaca fascicularis papillomavirus type 2 complete genome
- NC 005079.1 Machupo virus segment L complete genome
- NC 005078.1 Machupo virus segment S complete genome
- NC 009489.1 Mapuera virus complete genome
- NC 003417.1 Mayaro virus complete genome
- NC 001498.1 Measles virus complete genome
- NC 007620.1 Menangle virus complete genome
- NC 010277.1 Merkel cell polyomavirus complete genome
- NC 007904.1 Mobala virus segment L complete sequence
- NC 007903.1 Mobala virus segment S complete sequence
- NC 003635.1 Modoc virus complete genome
- NC 006429.1 Mokola virus complete genome
- NC 001501.1 Moloney murine leukemia virus complete genome
- NC 004119.1 Montana myotis leukoencephalitis virus complete genome
- NC 006572.1 Mopeia Lassa reassortant 29 segment L complete genome
- NC 006573.1 Mopeia Lassa reassortant 29 segment S complete genome
- NC 006574.1 Mopeia virus AN20410 segment L complete genome
- NC 006575.1 Mopeia virus AN20410 segment S complete genome
- NC 013058.1 Morogoro virus segment L complete genome
- NC 013057.1 Morogoro virus segment S complete genome
- NC 021069.1 Mosquito flavivirus isolate LSFlaviV-A20-09 complete genome
- NC 005339.1 Mossman virus complete genome
- NC 001503.1 Mouse mammary tumor virus complete genome
- NC 002200.1 Mumps virus complete genome
- NC 001702.1 Murine type C retrovirus complete genome
- NC 000943.1 Murray Valley encephalitis virus complete genome
- NC 017937.1 Nariva virus complete genome
- NC 002617.1 Newcastle disease virus B1 complete genome

NC 002728.1 Nipah virus complete genome NC 001959.2 Norwalk virus complete genome NC 018705.3 Ntava virus isolate IPDIA complete genome NC 001512.1 O nyong-nyong virus complete genome NC 010250.1 Oliveros virus segment L complete sequence NC 010248.1 Oliveros virus segment S complete sequence NC 005062.1 Omsk hemorrhagic fever virus complete genome NC 005776.1 Oropouche virus segment L complete genome NC 005775.1 Oropouche virus segment M complete sequence NC 005777.1 Oropouche virus segment S complete genome NC 006430.1 Parainfluenza virus 5 complete genome NC 010761.1 Parana virus segment L complete sequence NC 010756.1 Parana virus segment S (small) complete genome NC 006383.2 Peste-des-petits-ruminants virus complete genome NC 006447.1 Pichinde virus complete genome NC 006439.1 Pichinde virus L RNA complete genome NC 005897.1 Pirital virus segment L complete genome NC 005894.1 Pirital virus segment S complete sequence NC 006579.1 Pneumonia virus of mice J3666 complete genome NC 002058.3 Poliovirus complete genome NC 000940.1 Porcine enteric sapovirus complete genome NC 009640.1 Porcine rubulavirus complete genome NC 003687.1 Powassan virus complete genome NC 005225.1 Puumala virus segment L complete genome NC 005223.1 Puumala virus segment M complete sequence NC 005224.1 Puumala virus segment S complete sequence NC 012671.1 Quang Binh virus complete genome NC 001542.1 Rabies virus complete genome NC 001819.1 Rauscher murine leukemia virus complete genome NC 022630.1 Razdan virus strain LEIV-Arm2741 segment L complete sequence NC 022631.1 Razdan virus strain LEIV-Arm2741 segment M complete sequence NC 022632.1 Razdan virus strain LEIV-Arm2741 segment S complete sequence NC 001803.1 Respiratory syncytial virus complete genome NC 004161.1 Reston ebolavirus complete genome NC 014397.1 Rift Valley fever virus segment L complete genome NC 014396.1 Rift Valley fever virus segment M complete genome NC 014395.1 Rift Valley fever virus segment S complete genome NC 006296.2 Rinderpest virus (strain Kabete O) complete genome NC 003675.1 Rio Bravo virus genome NC 021153.1 Rodent hepacivirus isolate RHV-339 complete genome NC 001544.1 Ross River virus complete genome NC 011507.2 Rotavirus A segment 1 complete genome NC 011504.2 Rotavirus A segment 10 complete genome NC 011505.2 Rotavirus A segment 11 complete genome NC 011506.2 Rotavirus A segment 2 complete genome NC 011508.2 Rotavirus A segment 3 complete genome NC 011510.2 Rotavirus A segment 4 complete genome NC 011500.2 Rotavirus A segment 5 complete genome NC 011509.2 Rotavirus A segment 6 complete genome NC 011501.2 Rotavirus A segment 7 complete genome NC 011502.2 Rotavirus A segment 8 complete genome NC 011503.2 Rotavirus A segment 9 complete genome NC 007547.1 Rotavirus C segment 1 complete sequence NC 007569.1 Rotavirus C segment 10 complete sequence NC 007573.1 Rotavirus C segment 11 complete sequence NC 007546.1 Rotavirus C segment 2 complete sequence NC 007572.1 Rotavirus C segment 3 complete sequence NC 007574.1 Rotavirus C segment 4 complete sequence NC 007570.1 Rotavirus C segment 5 complete sequence NC 007543.1 Rotavirus C segment 6 complete sequence

NC 007544.1 Rotavirus C segment 7 complete sequence NC 007571.1 Rotavirus C segment 8 complete sequence NC 007545.1 Rotavirus C segment 9 complete sequence NC 021625.1 Rotavirus F chicken/03V0568/DEU/2003 segment 1 complete sequence NC 021629.1 Rotavirus F chicken/03V0568/DEU/2003 segment 10 complete sequence NC 021634.1 Rotavirus F chicken/03V0568/DEU/2003 segment 11 complete sequence NC 021626.1 Rotavirus F chicken/03V0568/DEU/2003 segment 2 complete sequence NC 021631.1 Rotavirus F chicken/03V0568/DEU/2003 segment 3 complete sequence NC 021630.1 Rotavirus F chicken/03V0568/DEU/2003 segment 4 complete sequence NC 021632.1 Rotavirus F chicken/03V0568/DEU/2003 segment 5 complete sequence NC 021635.1 Rotavirus F chicken/03V0568/DEU/2003 segment 6 complete sequence NC 021633.1 Rotavirus F chicken/03V0568/DEU/2003 segment 7 complete sequence NC 021628.1 Rotavirus F chicken/03V0568/DEU/2003 segment 8 complete sequence NC 021627.1 Rotavirus F chicken/03V0568/DEU/2003 segment 9 complete sequence NC 021590.1 Rotavirus G chicken/03V0567/DEU/2003 segment 1 complete sequence NC 021586.1 Rotavirus G chicken/03V0567/DEU/2003 segment 10 complete sequence NC 021587.1 Rotavirus G chicken/03V0567/DEU/2003 segment 11 complete sequence NC 021580.1 Rotavirus G chicken/03V0567/DEU/2003 segment 2 complete sequence NC 021581.1 Rotavirus G chicken/03V0567/DEU/2003 segment 3 complete sequence NC 021589.1 Rotavirus G chicken/03V0567/DEU/2003 segment 4 complete sequence NC 021583.1 Rotavirus G chicken/03V0567/DEU/2003 segment 5 complete sequence NC 021588.1 Rotavirus G chicken/03V0567/DEU/2003 segment 6 complete sequence NC 021585.1 Rotavirus G chicken/03V0567/DEU/2003 segment 7 complete sequence NC 021584.1 Rotavirus G chicken/03V0567/DEU/2003 segment 8 complete sequence NC 021582.1 Rotavirus G chicken/03V0567/DEU/2003 segment 9 complete sequence NC 001545.2 Rubella virus complete genome NC 006317.1 Sabia virus complete genome NC 006313.1 Sabia virus segment L complete genome NC 015412.1 Sandfly Sicilian Turkey virus segment L complete genome NC 015411.1 Sandfly Sicilian Turkey virus segment M complete genome

- NC 015413.1 Sandfly Sicilian Turkey virus segment S complete genome
- NC 006554.1 Sapovirus C12 strain C12
- NC 006269.1 Sapovirus Hu/Dresden/pJG-Sap01/DE complete genome
- NC 010624.1 Sapovirus Mc10 complete genome
- NC 004718.3 SARS coronavirus complete genome
- NC 018466.1 Sathuperi virus Gn-Gc-NSm gene for M polyprotein segment M genomic RNA
- NC 018462.1 Sathuperi virus N and NSs genes segment S genomic RNA
- NC 018461.1 Sathuperi virus RdRp gene for RNA-dependent RNA polymerase segment L genomic RNA
- NC 015212.1 Seal anellovirus TFFN/USA/2006 complete genome
- NC 001552.1 Sendai virus complete genome
- NC 005237.1 Seoul virus segment M complete sequence
- NC 005236.1 Seoul virus strain 80-39 segment S complete sequence
- NC 005238.1 Seoul virus strain Seoul 80-39 clone 1
- NC 008719.1 Sepik virus complete genome
- NC 018136.1 SFTS virus HB29 segment L complete genome
- NC 018138.1 SFTS virus HB29 segment M complete genome
- NC 018137.1 SFTS virus HB29 segment S complete genome
- NC 018467.1 Shamonda virus Gn-Gc-NSm gene for M polyprotein segment M genomic RNA isolate Ib An 5550
- NC 018464.1 Shamonda virus N and NSs genes segment S genomic RNA isolate Ib An 5550
- NC 018463.1 Shamonda virus RdRp gene for RNA-dependent RNA polymerase segment L genomic RNA isolate Ib An 5550
- NC 018478.1 Simbu virus Gn-Gc-NSm gene for M polyprotein segment M genomic RNA isolate SA Ar 53
- NC 018477.1 Simbu virus N and NSs genes segment S genomic RNA isolate SA Ar 53
- NC 018476.1 Simbu virus RdRp gene for RNA-dependent RNA polymerase segment L genomic RNA isolate SA Ar 53
- NC 001669.1 Simian virus 40 complete genome
- NC 006428.1 Simian virus 41 complete genome
- NC 005217.1 Sin Nombre virus segment L complete sequence
- NC 005215.1 Sin Nombre virus segment M complete sequence
- NC 005216.1 Sin Nombre virus segment S complete sequence
- NC 007013.1 Small anellovirus 1 complete genome
- NC 007014.1 Small anellovirus 2 complete genome

NC 007580.2 St. Louis encephalitis virus complete genome NC 006432.1 Sudan ebolavirus complete genome NC 004292.1 Tacaribe virus segment L complete sequence NC 004293.1 Tacaribe virus segment S complete sequence NC 003996.1 Tamana bat virus genome NC 010702.1 Tamiami virus segment L complete sequence NC 010701.1 Tamiami virus segment S (small) complete genome NC 015843.2 Tembusu virus strain JS804 complete genome NC 006495.1 Thogoto virus NC 006496.1 Thogoto virus NC 006506.1 Thogoto virus complete genome NC 006508.1 Thogoto virus segment 1 complete genome NC 006507.1 Thogoto virus segment 5 complete genome NC 006504.1 Thogoto virus segment 6 complete genome NC 010707.1 Thottapalayam virus segment L complete sequence NC 010708.1 Thottapalayam virus segment M complete sequence NC 010704.1 Thottapalayam virus segment S complete sequence NC 001672.1 Tick-borne encephalitis virus complete genome NC 004074.1 Tioman virus complete genome NC 014071.1 Torque teno canis virus complete genome NC 014087.1 Torque teno douroucouli virus complete genome NC 014072.1 Torque teno felis virus complete genome NC 009225.1 Torque teno midi virus 1 complete genome NC 014093.1 Torque teno midi virus 2 complete genome NC 014097.1 Torque teno mini virus 1 complete genome NC 014086.1 Torque teno mini virus 2 complete genome NC 014088.1 Torque teno mini virus 3 complete genome NC 014090.1 Torque teno mini virus 4 complete genome NC 014089.1 Torque teno mini virus 5 complete genome NC 014095.1 Torque teno mini virus 6 complete genome

NC 014082.1 Torque teno mini virus 7 complete genome NC 014068.1 Torque teno mini virus 8 complete genome NC 002195.1 Torque teno mini virus 9 complete genome NC 014070.1 Torque teno sus virus 1 complete genome NC 014092.2 Torque teno sus virus k2 isolate 2p complete genome NC 014085.1 Torque teno tamarin virus complete genome NC 015783.1 Torque teno virus complete genome NC 002076.2 Torque teno virus 1 complete genome NC 014076.1 Torque teno virus 10 complete genome NC 014075.1 Torque teno virus 12 complete genome NC 014077.1 Torque teno virus 14 complete genome NC 014096.1 Torque teno virus 15 complete genome NC 014091.1 Torque teno virus 16 complete genome NC 014078.1 Torque teno virus 19 complete genome NC 014480.2 Torque teno virus 2 complete genome NC 014083.1 Torque teno virus 25 complete genome NC 014079.1 Torque teno virus 26 complete genome NC 014074.1 Torque teno virus 27 complete genome NC 014073.1 Torque teno virus 28 complete genome NC 014081.1 Torque teno virus 3 complete genome NC 014069.1 Torque teno virus 4 complete genome NC 014094.1 Torque teno virus 6 complete genome NC 014080.1 Torque teno virus 7 complete genome NC 014084.1 Torque teno virus 8 complete genome NC 006319.1 Toscana virus segment L complete sequence NC 006320.1 Toscana virus segment M complete sequence NC 006318.1 Toscana virus segment S complete sequence NC 020498.1 TTV-like mini virus isolate TTMV LY1 complete genome NC 005226.1 Tula virus segment L complete sequence NC 005228.1 Tula virus segment M complete sequence

- NC 005227.2 Tula virus segment S complete genome
- NC 002199.1 Tupaia paramyxovirus complete genome
- NC 006551.1 Usutu virus complete genome
- NC 005221.1 Uukuniemi virus complete genome
- NC 005220.1 Uukuniemi virus chromosome segment M complete genome
- NC 005214.1 Uukuniemi virus segment L complete sequence
- NC 006998.1 Vaccinia virus complete genome
- NC 001611.1 Variola virus complete genome
- NC 001560.1 Vesicular stomatitis Indiana virus complete genome
- NC 012735.1 Wesselsbron virus complete genome
- NC 001563.2 West Nile virus complete genome
- NC 009942.1 West Nile virus complete genome
- NC 010703.1 Whitewater Arroyo virus segment L complete sequence
- NC 010700.1 Whitewater Arroyo virus segment S complete sequence
- NC 009539.1 WU Polyomavirus complete genome
- NC 002031.1 Yellow fever virus complete genome
- NC 005039.1 Yokose virus complete genome
- NC 012532.1 Zika virus complete genome
- AF221065 MuLV_DG75
 - MuLV_JV
- U13766 MuLV_MCF1233
- HQ246218 MuLV_N417
- DQ399707 XMRV_VP62

Gene Name	Hela-1 (%)	Hela-2 (%)	CNE1 (%)	CNE1-JPN (%)	HONE1 (%)
E1	186.1 (15%)	1058.5 (30%)	34.4 (16%)	167.8 (22%)	164.6 (21%)
E2	1.3 (0%)	3.5 (0%)	3.1 (1%)	9.1 (1%)	11.2 (2%)
E4	0.0 (0%)	0.0 (0%)	0.0 (0%)	0.0 (0%)	0.0 (0%)
E5	0.0 (0%)	0.0 (0%)	0.0 (0%)	0.0 (0%)	0.0 (0%)
E6	294.8 (25%)	628.3 (18%)	48.5 (22%)	167.5 (21%)	181.3 (23%)
E7	658.4 (55%)	1798.5 (51%)	96.0 (43%)	393.9 (51%)	403.3 (52%)
L1	56.6 (5%)	14.9 (1%)	39.4 (18%)	37.5 (5%)	18.0 (2%)
L2	0.0 (0%)	0.0 (0%)	0.0 (0%)	0.0 (0%)	0.0 (0%)

Table S3. Quantification of HPV-18 genes in NPC cell lines

Gene expression represented as Transcripts per Million (TPM)