

1. influenza\_extracted.fasta

>gi|58576|gb|X52226|Influenza A virus (A/FPV/Rostock/34(H7N1)) gene for neuraminidase, genomic RNA

AGCAAAAGCAGGAGTTCAAAATGAATCCAAATCAGAAAATAATAACCATTGGGTCAATCT  
GTATGGGGATCGGAATAATCAGCCTAATATTACAAATTGGAAACATAATCTCAATGTGGG  
TTAGTCATTCAATTCAGACTGAAAATCAAAATCACCATGAAGCATGCAACCCAAGCATTG  
CTGGACAGGATGCAGCTTCAGTGGCACTAGCAGGCAATTCCTCTCTTTGTCCCATTAGTG  
GGTGGGCTATATACAGTAAAGACAATGGTATAAGAATTGGCTCCAAAGGAGACGTATTTG  
TCATAAGAGAGCCATTTATTTTCATGCTCTCACTTGAATGCAGGACCTTTTTTCTGACTC  
AGGGCGCCTTGTTGAATGACAAACACTCAAATGGAACCGTTAAAGACAGAAGCCCTTATA  
GAACCTTGATGAGCTGTCCTGTTGGTGAAGCTCCTTCTCCCTACAATTCAAGGTTTCGTGT  
CGGTTGCATGGTCAGCAAGTGCCTGCCATGATGGCATGGGTTGGCTAACAATCGGAATTT  
CTGGTCCAGATAATGGAGCAGTGGCTGTATTAAAATACAATGGTATAATAACAGACACCA  
TCAAAAGTTGGAAAAATAACATATTGAGAACGCAAGAGTCTGAATGTGCCTGTATAAATG  
GTTTCATGTTTTCACTATAATGACCGATGGCCCAAGTAATGGGCAGGCCTCGTACAAAATTT  
TCAAGATAGAAAAGGGGAAGGTAGTCAAATCAAGTGAATTAAATGCACCTAATTACCACT  
ACGAGGAATGTTCTTGTTATCCTGATGCAGGTGAAGTAATGTGTGTATGCAGGGATAATT  
GGCATGGTTCGAATCGACCATGGGTGTCTTTCAATAAAAACCTTGATTATCAAATAGGTT  
ACATCTGCAGTGGGGTTTTTGGTGATAATCCACGACCCAATGATGGAACAGGCAGCTGTG  
GTCCAGTGTCTTCTAATGGAGCATATGGGATAAAGGGGTTCTCATTTAAGTATGGTAATG  
GTGTTTGGATAGGGAGAACCAAAAGCACTAGTTCAGAAAGCGGGTTTGAGATGATTTGGG  
ATCCCAATGGATGGACAGAACTGACAGCAGTTTCTCTGTGAAGCAAGATATTGTAGCAA  
TAACTGATTGGTCGGGATATAGCGGGAGTTTCGTCCAACACCCTGAATTAACAGGGTTGG  
ACTGCATGAGGCCTTGTTTCTGGGTGAACTGATCAGGGGACGGCCCAACCACAATACGA  
TCTGGACTAGTGGGAGCAGCATTTCCTTCTGTGGTGTGAACAGCGATACTGTAGGTTGGT  
CTTGGCCAGACGGTGCTGAGTTGCCATTACCATTTGACAAGTAGTTTGTTCAAAAAAACT  
CCTTGTTTCTACT

>gi|59292|gb|X53029|Influenza A virus (A/USSR/90/1977(H1N1)) genes for matrix proteins 1 and 2, genomic RNA

AGCAAAAGCAGGTAGATGTTGAAAGATGAGTCTTCTAACCGAGGTCGAAACGTACGTTCT  
CTCTATCGTCCCGTCAGGCCCCCTCAAAGCCGAGATCGCACAGAGACTTGAAGATGTCTT  
TGCTGGGAAGAACACCGATCTTGAGGCTCTCATGGAATGGCTAAAGACAAGACCAATCCT  
GTCACCTCTGACTAAGGGGATTTTAGGATTTGTGTTACGCTCACCGTGCCCAGTGAGCG  
AGGACTGCAGCGTAGACGCTTTGTCCAAAATGCCCTTAATGGGAATGGGGATCCAAATAA

CATGGACAGAGCAGTTAAACTGTATAGAAAGCTTAAGAGGGAGATAACATTCCATGGGGC  
CAAAGAAATAGCACTCAGTTATTCTGCTGGTGCACCTTGCCAGTTGTATGGGCCTCATATA  
CAACAGGATGGGGGCTGTGACCACCGAAGCGGCATTTGGCCTGATATGCGCAACCTGTGA  
ACAGATTGCTGACTCCCAGCATAGGTCTCATAGGCAAATGGTGACAACAACCAATCCACT  
AATAAGACATGAGAACAGAATGGTTCTGGCCAGCACTACAGCTAAGGCTATGGAGCAAAT  
GGCTGGATCGAGTGAGCAAGCAGCAGAGGCCATGGAGGTTGCTAGTCAGGCCAGGCAAAT  
GGTGCAGGCAATGAGAGCCATTGGGACTCATCCTAGCTCCAGTGCTGGTCTGAAAAATGA  
TCTTCTTGAAAATTTGCAGGCCTATCAGAAACGAATGGGGGTGCAGATGCAACGATTCAA  
GTGATCCTCTTGTTGTTGCCGCAAGTATCATTGGGATTTTGCACTTGATATTGTGGATTC  
TTGATCGTCTTTTTTTCAAATGCATTTATCGTCTCTTTAAACACGGTCTGAAAAGAGGGC  
CTTCTACGGAAGGAGTACCAGAGTCTATGAGGGAAGAATATCGAAAGGAACAGCAGAATG  
CTGTGGATGCTGACGATAGTCATTTTGTCAACATAGAGCTAGAGTAAAAAACTACCTTGT  
TTCTACT

>gi|59294|gb|X59778|Influenza A virus (A/NIB/4/1988(H1N1)) gene for polyprotein, genomic RNA  
GGATCCTGTTATGTGCATTTACAGCTACAGATGCAGACACAATATGTATAGGCTACCATG  
CGAACAACCTCAACCGACACTGTTGACACAGTACTTGAGAAGAACGTGACAGTGACACACT  
CTGTCAACCTACTTGAGGACAGTCACAACAGAAAACCTATGTCGACTAAAAGGAATAGCCC  
CACTACAATTGGGTAATTGCAGCATTGCCGGATGGATCTTAGGAAACCCAGAATGCGAAT  
CACTGTTTTCTAAGGAATCATGGTCCTACATTGCAGAAACACCAAACCTCCGAGAATGGAA  
CATGTTACCCAGGGTATTTGCGCCGACTATGAGGAACTGAGGGAGCAATTGAGTTCAGTAT  
CATCATTCGAGGGATTCGAAATATTCCCCGAAGAAAGCTCATGGCCCAACCACACCGTAA  
CCAAGGGAGTAACGGCATCATGCTCCCATAATGGGAAAAGCAGTTTTTTACAGAAATTTGC  
TATGGCTGACGGAGAAGAATGGCTTGTACCCAAATCTGAGCAAGTCCTATGTAAACAACA  
AAGAGAAAGAAGTCCTTGTACTATGGGGTGTTTCATCACCCGTCTAACATAGGGGACCAAA  
GGGCCATCTATCATAACAGAAAATGCTTATGTCTCTGTAGTGTCTTCACATTATAGCAGGA  
GATTCACCCCAGAAATAGCAAAAAGACCCAAAGTAAGAGATCAAGAAGGAAGAATTAAC  
TACTACTGGACTCTGCTGGAACCCGGGGACACAATAATATTTGAGGCAAATGGAAATCTAA  
TAGCGCCATGGTATGCTTTCGCACTGAGTAGAGGCTTTGGGTCAGGAATCATCACCTCAA  
ACGCATCAATGGATGAATGTGACGCGAAGTGTCAAACACCCCAGGGAGCTATAAACAGTA  
GTCTTCCTTTCCAGAATGTACACCCAGTCACAATAGGAGAGTGTCCAAAGTATGTCAGGA  
GTACAAAATTAAGGATGGTTACAGGACTAAGGAACATCCCATCCATTCAATCCAGAGGTT  
TGTTTGGAGCCATTGCCGGTTTCATTGAAGGGGGATGGACTGGAATTC

>gi|59296|gb|X66320|Influenza A virus (A/Chile/1/1983(H1N1)) gene for PB1 polymerase

ACACCAAATGGAACGAAAATCAGAACCCTAGAATGTTTTTGGCCATGATCACATATATAA  
CCAGAAATCAGCCCGAATGGTTCAGAAATATTCTAAGTATTGCTCCAATAATGTTCTCAA  
ACAAAATGGCGAGACTAGGTAAGGGGTACATGTTTGAAAGCAAGAGTATGAAACTTAGAA  
CTCAAATACCTGCAGAAATGCTAGCAAACATCGATTTGAGGTATTTCAATGATTCAACAA  
GAAAGAAAATTGAAAAAATCCGGCCACTCTTAATAGATGGAAGTGCATCACTGAGCCCTG  
GAATGATGATGGGCATGTTCAATATGTTAAGCACTGTATTGGGCGTCTCCATCCTGAATC  
TTGGACAAAAGAGATACACCAAGACTACTTACTGGTGGGATGGTCTTCAATCGTCTGATG  
ATTTTGCTCTGATTGTGAATGCACCCAACATGCAGGAATTCAAGCTGGAGTTGACAGGT  
TTTATCGAACCTGTAAGCTGCTCGGAATCAACATGAGCAAGAAAAAGTCCTACATAAACA  
GAACAGGTACTTTTGAATTCACGAGTTTTTTTCTATCGTTATGGGTTTGTTGCCAATTTCA  
GCATGGAGCTTCCCAGTTTTTGGGGTGTCTGGGATCAACGAGTCTGCAGACATGAGTATTG  
GAGTCACTGTCATCAAAAACAATATGATAAACAATGATCTTGGTCCAGCAACCGCTCAAA  
TGGCCCTTCAGTTATTCATCAAAGATTACAGGTACACATATCGATGCCACAGAGGTGACA  
CACAAATACAAACCCGAAGATCATTTGAAATAAAGAAACTGTGGGATCAAACCCGTTCCA  
AAACTGGGCTGCTGGTCTCTGATGGAGGTCCTAATTTGTACAACATTAGAAATCTCCACA  
TTCCTGAAGTCTGCTTGAAATGGGATTTGATGGATGAGGATTACCAGGGGCGTTTATGCA  
ACCCATTGAACCCATTTGTCAGTCATAAAGAGATTGAATCAGTGAACAATGCAGTGATGA  
TGCCGGCACATGGTCCAGCCAAAATTATGGAGTATGATGCTGTTGCAACAACACACTCCT  
GGGTCCCCAAAAGGAATCGATCCATCTTGAATACGAGCCAAAGGGGAATACTTGAGGATG  
AACAAATGTATCAGAGGTGCTGCAATTTATTTGAAAAATTCTTCCCCAGCAGTTCATACA  
GAAGACCAGTCGGAATATCCAGTATGGTAGAGGCTATGATTTCAGAGCCCGAATTGATG  
CACGGATTGATTTCGAATCTGGAAGGATAAAGAAAGAGGAGTTCAGTATCATGAAGA  
TCTGTTCCACCATTTGAAGAACTCAGACGGCAAAAATAGGGAATTTGGCTTGTCCTTCGTG  
AAAAAATGCCTTGTTTCTACT

>gi|60457|gb|X08088|Influenza A virus (A/WSN/33) ORF1 RNA for M1 protein and ORF2 RNA for M2 protein, genomic RNA

ATGAGTCTTCTAACCGAGGTCGAAACGTACGTTCTCTCTATCGTCCCGTCAGGCCCCCTC  
AAAGCCGAGATCGCACAGAGACTTGAAGATGTCTTTGCAGGGAAGAACACCGATCTTGAG  
GTTCTCATGGAATGGCTAAAGACAAGACCAATCCTGTCACCTCTGACTAAGGGGATTTTA  
GGATTTGTGTTACGCTCACCGTGCCAGTGAGCGGGGACTGCAGCGTAGACGCTTTGTC  
CAAAATGCTCTTAATGGGAACGGAGATCCAAATAACATGGACAAAGCAGTTAACTGTAT  
AGGAAGCTTAAGAGGGAGATAACATTCCATGGGGCCAAAGAAATAGCACTCAGTTATTCT

GCTGGTGCACCTTGCCAGTTGTATGGGCCTCATATACAACAGGATGGGGGCTGTGACCACT  
GAAGTGGCATTGTCCTGGTATGCGCAACCTGTGAACAGATTGCTGACTCCCAGCATCGG  
TCTCATAGGCAAATGGTGACAACAATAATCCACTAATCAGACATGAGAACAGAATGGTT  
CTAGCCAGCACTACAGCTAAGGCTATGGAGCAAATGGCTGGATCGAGTGAGCAAGCAGCA  
GAGGCCATGGATATTGCTAGTCAGGCCAGGCAAATGGTGCAGGCGATGAGAACCATTGGG  
ACTCATCCTAGCTCCAGTGCTGGTCTAAAAGATGATCTTCTTGAAAATTTGCAGGCCTAT  
CAGAAACGAATGGGGGTGCAGATGCAACGATTCAAGTGATCCTCTCGTCATTGCAGCAAA  
TATCATTGGAATCTTGCACTTGATATTGTGGATTCTTGATCGTCTTTTTTTCAAATGCAT  
TTATCGTCGCTTTAAATACGGTTTGAAAAGAGGGCCTTCTACGGAAGGAGTGCCAGAGTC  
TATGAGGGAAGAATATCGAAAGGAACAGCAGAATGCTGTGGATGTTGACGATGGTCATT  
TGTCAACATAGAGCTGGAGTAA

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gi 58576 gb X52226 Influenza	0	1393	Sequence_1
gi 59292 gb X53029 Influenza	0	1027	Sequence_2
gi 59294 gb X59778 Influenza	0	1068	Sequence_3
gi 59296 gb X66320 Influenza	0	1401	Sequence_4
gi 60457 gb X08088 Influenza	0	982	Sequence_5

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gi 58576 gb X52226 Influenza	0	1393	Sequence_1
gi 59292 gb X53029 Influenza	0	1027	Sequence_2
gi 59294 gb X59778 Influenza	0	1068	Sequence_3
gi 59296 gb X66320 Influenza	0	1401	Sequence_4
gi 60457 gb X08088 Influenza	0	982	Sequence_5

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>gi|60460|gb|X08089|Influenza A virus (A/WSN/1933(H1N1)) ORF1 for M1 protein and ORF2 for M2 protein, genomic RNA  
ATGAGTCTTCTAACCAGGTCGAAACGTACGTTCTCTATCGTCCCGTCAGGCCCCCTC  
AAAGCCGAGATCGCACAGAGACTTGAAGATGTCTTTCAGGGAAGAACACCGATCTTGAG  
GCTCTCATGGAATGGCTAAAGACAAGACCAATCCTGTACCTCTGACTAAGGGGATTTTA  
GGATTTGTGTTACAGCTCACCGTGCCAGTGAGCGGGGACTGCAGCGTAGACGCTTTGTC  
CAAAATGCTCTTAATGGGAACGGAGATCCAAATAACATGGACAAAGCAGTTAACTGTAT  
AGGAAGCTTAAGAGGGAGATAACATTCCATGGGGCCAAAGAAATAGCACTCAGTTATTCT  
GCTGGTGCACCTTGCCAGTTGTATGGGCCTCATATACAACAGGATGGGGGCTGTGACCACT  
GAAGTGGCATTGTCCTGGTATGCGCAACCTGTGAACAGATTGCTGACTCCCAGCATCGG  
TCTCATAGGCAAATGGTGACAACAACCAATCCACTAATCAGACATGAGAACAGAATGGTT  
CTAGCCAGCACTACAGCTAAGGCTATGGAGCAAATGGCTGGATCGAGTGAGCAAGCAGCA  
GAGGCCATGGATATTGCTAGTCAGGCCAGGCAAATGGTGCAGGCGATGAGAACCATTGGG  
ACTCATCCTAGCTCCAGTGCTGGTCTAAAAGATGATCTTCTTGAAAATTTGCAGGCCTAT  
CAGAAACGAATGGGGGTGCAGATGCAACGATTCAAGTGATCCTCTCGTTATTGCAGCAAA

TATCATTGGGATCTTGCACCTTGATATTGTGGATTCTTGATCGTCTTTTTTCAAATGCAT  
TTATCGTCGCTTTAAATACGGTTTGAAAAGAGGGCCTTCTACGGAAGGAGTGCCAGAGTC  
TATGAGGGAAGAATATCGAAAGGAACAGCAGAATGCTGTGGATGTTGACGATGGTCATTT  
TGTC AACATAGAGCTGGAGTAA

>gi|60463|gb|X08090|Influenza A virus (A/Port Chalmers/1/1973-mouse adapted(H3N2)) ORF1 for M1 protein and ORF2 for M2 protein, genomic RNA

ATGAGCCTTCTAACCAGGTCGAAACGTATGTTCTCTCTATCGTTCCGTCAGGCCCCCTC  
AAAGCCGAAATCGCGCAGAGACTTGAAGATGTCTTTGCTGGAAAGAACACAGATCTTGAG  
GTTCTCATGGAATGGCTAAAGACTAGACCTATCCTGTCACCTCTGACTAAGGGGATTTG  
GGATTTGTATTACGCTCACCGTGCCAGTGAGCGAGGACTGCAGCGTAGACGCTTTGTC  
CAAAATGCCCTCAATGGGAATGGGGATCCAAATAACATGGACAGAGCAGTTAACTGTAT  
AGAAAACTTAAGAGGGAGATAACATTCCATGGGGCCAAAGAAATAGCACTCAGTTATTCT  
GCTGGTGCGCTTACCGATTGTCATGGGCCTCATATACAACAGGATGGGGGCTGTGACCACT  
GAAGTGGCCTTTGGCCTGGTATGTGCAACCTGTGAACAGATTGCTGACTCCCAGCACAGG  
TCTCATAGACAAATGGTGGCAACAATAATCCACTAATAAGACATGAGAACAGAATGGTT  
CTGGCCAGCACTACAGCTAAGGCTATGGAGCAAATGGCTGGATCAAGTGAGCAGGCAGCA  
GAGGCCATGGAGGTTGCTAGTCAGGCCAGGCAAATGGTGCAGGCAATGAGAGCCATTGGG  
ACTCATCTAGCTCCAGTGCTGGTCTAAAAGATGATCTTCTTGAATAATTGCAGGCCTAT  
CAGAAACGAATGGGGGTGCAGATGCAACGATTCAAGTGACCCTCTTGTGTTGCTGCGAG  
TATCATTGGGATCTTGCACCTTGATATTGTGGATTCTTGATCGTCTTTTTTCAAATGCAT  
CTATCGATTCTTTGAACACGGTCTGAAAAGAGGGCCTTCTACGGAAGGAGTACCTGAGTC  
TATGAGGGAAGAATATCGAAAGGAACAGCAGAGTGCTGTGGATGCTGACGACAGTCATTT  
TGTCAGCATAGAGCTGGAGTAA

>gi|60466|gb|X08091|Influenza A virus (A/FW/1/1950(H1N1)) ORF1 for M1 protein and ORF2 for M2 protein, genomic RNA

ATGAGTCTTCTAACCAGGTCGAAACGTACGTTCTCTCTATCGTTCCGTCAGGCCCCCTC  
AAAGCCGAGATCGCACAGAGACTTGAAGATGTCTTTGCTGGGAAGAACACCGATCTTGAG  
GCTCTCATGGAATGGCTAAAGACAAGACCAATCCTGTCACCTCTGACTAAGGGGATTTTA  
GGATTCGTGTTACGCTCACCGTGCCAGTGAGCGAGGACTGCAGCGTAGACGCTTTGTC  
CAAAATGCCCTTAATGGGAATGGGGATCCAAATAACATGGACAGAGCAGTTAACTGTAT  
AGAAAGCTTAAGAGGGAGATAACATTCCATGGGGCCAAAGAAATAGCACTCAGTTATTCT  
GCTGGTGCACTTGCCAGTTGCATGGGCCTCATATACAACAGGATGGGGGCTGTGACCACT  
GAAGTGGCATTGTCCTAGTATGCGCAACCTGTGAACAGATTGCTGACTCCCAGCATAGG  
TCTCATAGGCAAATGGTGACAACAACCAATCCACTAATAAGACATGAGAACAGAATGGTT  
CTGGCCAGCACTACAGCTAAGGCTATGGAGCAAATGGCTGGATCGAGTGAGCAAGCAGCA  
GAGGCCATGGAGGTTGCTAGTCAGGCCAGGCAAATGGTGCAGGCAATGAGAGCCATTGGG  
ACTCATCTAGCTCCAGTGCTGGTCTGAAAGATGATCTTCTTGAATAATTGCAGGCCTAT  
CAGAAACGAATGGGGGTGCAGATGCAACGATTCAAGTGATCCTCTTGTGTTGCCGCAAG  
TATCATTGGGATCCTGCACCTTGATATTGTGGATTCTTGATCGTCTTTTTTCAAATGCAT  
TTATCGTCTCTTTAAACACGGTCTGAAAAGAGGGCCTTCTACGGAAGGAGTACCAGAGTC  
TATGAGGGAAGAATATCGAAAGGAACAGCAGAGTGCTGTGGATGCTGACGATAGTCATTT  
TGTC AACATAGAGCTGGAGTAA

>gi|60469|gb|X08092|Influenza A virus (A/Port Chalmers/1/1973(H3N2)) ORF1 for M1 protein and ORF2 for M2 protein, genomic RNA

ATGAGCCTTCTAACCAGGTCGAAACGTATGTTCTCTCTATCGTTCCGTCAGGCCCCCTC  
AAAGCCGAAATCGCGCAGAGACTTGAAGATGTCTTTGCTGGAAAGAACACAGATCTTGAG  
GCTCTCATGGAATGGCTAAAGACTAGACCTATCCTGTCACCTCTGACTAAGGGGATTTG  
GGATTTGTATTACGCTCACCGTGCCAGTGAGCGAGGACTGCAGCGTAGACGCTTTGTC  
CAAAATGCCCTCAATGGGAATGGGGATCCAAATAACATGGACAGAGCAGTTAACTGTAT  
AGAAAACTTAAGAGGGAGATAACATTCCATGGGGCCAAAGAAATAGCACTCAGTTATTCT  
GCTGGTGCGCTTGCCAGTTGCATGGGCCTCATATACAACAGAATGGGGGCTGTGACCACT  
GAAGTGGCCTTTGGCCTGGTATGTGCAACCTGTGAACAGATTGCTGACTCCCAGCACAGG  
TCTCATAGACAAATGGTGGCAACAATAATCCACTAATAAGACATGAGAACAGAATGGTT  
CTGGCCAGCACTACAGCTAAGGCTATGGAGCAAATGGCTGGATCAAGTGAGCAGGCAGCA  
GAGGCCATGGAGGTTGCTAGTCAGGCCAGGCAAATGGTGCAGGCAATGAGAGCCATTGGG  
ACTCATCTAGCTCCAGTGCTGGTCTAAAAGATGATCTTCTTGAATAATTGCAGGCCTAT  
CAGAAACGAATGGGGGTGCAGATGCAACGATTCAAGTGACCCTCTTGTGTTGCTGCGAG  
TATCATTGGGATCTTGCACCTTGATATTGTGGATTCTTGATCGTCTTTTTTCAAATGCAT  
CTATCGATTCTTTGAACACGGTCTGAAAAGAGGGCCTTCTACGGAAGGAGTACCTGAGTC  
TATGAGGGAAGAATATCGAAAGGAACAGCAGAGTGCTGTGGATGCTGACGACAGTCATTT  
TGTCAGCATAGAGCTGGAGTAA

>gi|60472|gb|X08093|Influenza A virus (A/Singapore/1/1957(H2N2)) ORF1 for M1 protein and ORF2 for M2 protein, genomic RNA

ATGAGTCTTCTAACCAGGTCGAAACGTACGTTCTCTCTATCGTTCCGTCAGGCCCCCTC  
AAAGCCGAGATCGCACAGAGACTTGAAGATGTCTTTGCTGGGAAGAACACCGATCTTGAG  
GCTCTCATGGAATGGCTAAAGACAAGACCAATCCTGTCACCTCTGACTAAGGGGATTTG  
GGATTTGTATTACGCTCACCGTGCCAGTGAGCGAGGACTGCAGCGTAGACGCTTTGTC  
CAAAATGCCCTCAATGGGAATGGGGATCCAAATAACATGGACAGAGCAGTTAACTGTAT  
AGAAAGCTTAAGAGGGAGATAACATTCCATGGGGCCAAAGAAATAGCGCTCAGTTATTCT  
GCTGGTGCACTTGCCAGTTGTATGGGCCTCATATACAACAGGATGGGGGCTGTGACCACT  
GAAGTGGCCTTTGGCCTGGTATGTGCAACCTGTGAACAGATTGCTGACTCCCAGCATAGG  
TCTCATAGGCAAATGGTGACAACAACCAATCCACTAATAAGACATGAGAACAGAATGGTT  
CTGGCCAGCACTACAGCTAAGGCTATGGAGCAAATGGCTGGATCAAGTGAGCAGGCAGCA  
GAGGCCATGGAGGTTGCTAGTCAGGCCAGGCAAATGGTGCAGGCAATGAGAGCCATTGGG  
ACTCATCTAGGTCAGTGCTGGTCTAAAAGATGATCTTCTTGAATAATTGCAGGCCTAT  
CAGAAACGAATGGGGGTGCAGATGCAACGATTCAAGTGACCCTCTTGTGTTGCTGCGAG  
TATCATTGGGATCTTGCACCTTGATATTGTGGATTCTTGATCGTCTTTTTTCAAATGCAT  
CTATCGATTCTTTGAACACGGTCTGAAAAGAGGGCCTTCTACGGAAGGAGTACCTGAGTC  
TATGAGGGAAGAATATCGAAAGGAACAGCAGAGTGCTGTGGATGCTGACGACAGTCATTT  
TGTCAGCATAGAGCTGGAGTAA

TATGAGGGAAGAATATCGAAAGGAACAGCAGAGTGCTGTGGATGCTGACGATAGTCATTT  
TGTCAGCATAGAGCTGGAGTAA

>gi|60475|gb|X14217|Influenza B virus (STRAIN B/ANN ARBOR/1/86) np gene for nucleoprotein, genomic RNA

GCAGAAGCAGAGCATTTTCTTGTGAACTTAAAGTACCAACAAAACTGAAAAATCAAAT  
GTCCAACATGGATATTGACGGCATCAACGCTGGAACAATTGACAAAAACACCAGAAGAAAC  
AATTCTCTGGAACCACTGGAGACAACCAACCAATCATCAGACCAGCAACCCTTGCCCCACC  
AAGCAACAAACGGACCCGGAACCCATCCCCGAAAAGGGCAACCACAAGCAGTGAAGCTGA  
TATCGGAAGGAGAACCCAAAAAGAAACAAACCCCGACAGAGATAAAGAAGAGCGTCTACAA  
TATGGTAGTGAACTGGGTGAATTCTACAACCAGATGATGGTCAAAGCTGGACTCAACGA  
TGACATGGAGAGAAACCTAATCCAAAATGCACATGCTGTGGAAAGAATTCTATTGGCTGC  
TACGGATGACAAGAAAACTGAATTCAGAAGAAAAAGAATGCCAGAGATGTCAAAGAAGG  
GAAAAGAAATAGACCACAACAAAAACAGGAGGCACCTTTTACAAGATGGTAAGAGATGA  
TAAACCATCTACTTCAGCCCTATAAGAATTACCTTTTTTAAAAAGAGGTGAAAACAAT  
GTACAAAACCACCATGGGGAGTGATGGTTTCAGTGGACTAAATCACATCATGATTGGGCA  
TTCACAGATGAACGATGTCTGCTTCCAAAGGTCAAAGGCATTAAAAAGAGTTGGACTTGA  
CCCTTCATTAATCAGCACTTTTGCAGGGAGCACGCTCCCCAGAAGATCAGGTACAACCTGG  
TGTTGCGACCAAAGGAGGTGGAACCTTTAGTAGCAGAAGCCATTTCGATTATAGGAAGAGC  
AATGGCAGATAGAGGGCTATTGAGAGACATCAAAGCCAAGACGGCCTATGAAAAGATTCT  
TCTGAATCTGAAAAACAAGTGCTCTGCGCCCCAACAAAAGGCTCTAGTTGATCAAGTGAT  
TGGAAGTAGAAATCCAGGGATTGCAGACATAGAAGACCTAACCTGCTTGCTCGAAGTAT  
GGTCGTTGTTAGGCCCTCTGTGGCGAGCAAAGTGGTGCTTCCCATAGCATTATGCTAA  
AATACCCCACTAGGGTTCAATGTTGAAGAATACTCTATGGTTGGGTATGAAGCCATGGC  
TCTTTATAATAGGCAACCACTGTTTCCATATTAAGAATGGGAGATGATGCAAAAAGATAA  
ATCACAACCTATTCTTCATGTCTTGCTTCGGAGCTGCCTATGAAGACCTAAGAGTTTGTCT  
TGCACTAACAGGCACAGAATTCAAGCCCAGGTCAGCATTAAAGTGCAAGGGTTTCCACGT  
TCCAGCAAAGGAGCAAGTGGAAGGAATGGGGGCAGCTCTGATGTCCATCAAGTCCAGTT  
TTGGGCTCCAATGACCAGATCTGGGGGAAATGAAGTAGGTGGAGACGGAGGGTCTGGCCA  
AATAAGTTGCAACCCAGTGTTTGCAAGTAGAAAGACCTATTGCTCTAAGCAACAAGCTGT  
AAGAAGAATGCTGCAATGAATATTGAGGGACGTGATGCAGATGTCAAAGGAAATCTACT  
CAAGATGATGAATGATTCAATGGCTAAGAAAACCAATGGGAATGCTTTTCATTGGGAAGAA  
AATGTTTCAAATATCAGACAAAAACAAACCAATCCCATTTGAGATTCAAATTAAGCAGAC  
CATCCCCAATTTCTTCTTTGGGAGGGACACAGCAGAGGATTATGATGACCTCGACTATTA  
AAGCAACAAAATAGACACTATGGCTGTGATTGTTTCAGTACGTTTGGGATGTGGGTGTTT  
ACTCTTATTAA

>gi|60477|gb|X15890|Influenza A virus (A/81/HO) RNA for nucleoprotein, genomic RNA, 81/HO reassortant

AGCAAAAAGCAGGGTAGATAATCACTCACTGAGTGACATCAAAATCATGGCGTCCCAAGGC  
ACCAAACGGTCTTATGAACAGATGGAAGCTGATGGGGAACGCCAGAATGCAACTGAGATC  
AGAGCATCCGTCGGGAAGATGATTGATGGAATTGGACGATTCTACATCCAAATGTGCACT  
GAACTTAACTCAGTGATTATGAGGGGCGACTGATCCAGAACAGCTTAACAATAGAGAGA  
ATGGTGCTCTCTGCTTTTGACGAAAGAAGGAATAAATATCTGGAAGAACATCCACGCGC  
GGGAAGGATCCTAAGAACTGGAGACCCATATACAAAGAGAGTAGATGGAAAGTGGATG  
AGGGAACCTCGTCTTTATGACAAAAGAAGAAATAAGGCGAATCTGGCGCCAAGCCAATAAT  
GGTGATGATGCAACAGCTGGTCTGACTCACATGATGATCTGGCATTCCAATTTGAATGAT  
ACAACATACCAGAGGACAAGAGCTCTTGTTTCGCACCGGCATGGATCCAGGATGTGCTCT  
CTGATGCAGGGTTCGACTCTCCCTAGGAGGTCTGGAGCTGCAGGCGTGCAGTCAAAGGA  
GTTGGGACAATTTGATGGATTGATAAGGATGATCAACAGTGGGATCAATGATCGGAAC  
TTCTGGAGAGGTGAAAATGGACGAAAAACAAGGAGTGCTTACGAGAGAATGTGCAACATT  
CTCAAAGGAAAATTTCAAACAGCTGCACAAAGGGCAATGATGGATCAAGTGAGAGAAAAGT  
CGGAACCCAGGAAATGCTGAGATCGAAGATCTCATCTTTCTGGCACGGTCTGCACTCATA  
TTGAGAGGGTCAAGTTGCTCACAATCTTGCTGCCCCGCTGTGTGATGGACCTGCCGTA  
GCCAGTGGCTACGACTTCGAAAAAGAGGGATACTCTTTAGTGGGAATAGACCCTTTCAA  
CTGCTTCAAAACAGCCACGTATACAGCCTAATCAGACCGAACGAGAATCCAGCACACAAG  
AGTCAGCTGGTGTGGATGGCATGCAATTCTGCTGCATTGGAAGATCTAAGAGTATTAAGC  
TTCATCAGAGGGACCAAAGTATCCCCAAGGGGGAACCTTCCACTAGAGGAGTACAAATT  
GCTTCAAATGAAAACATGGATGCTATGGAATCAAGTACTCTTGAACCTGAGAAGCAGGTAC  
TGGGCCATAAGAACCAGAAGTGGAGGAAACACTAATCAACAGAGGGCCTCTGCAGGTCAA  
ATCAGTGTGCAACCTGCATTTTCTGTGCAAAAGAAACCTCCCATTGACAAACCAACCATC  
ATGGCAGCATTCAGTGGGAATACAGAGGGAAGAACATCAGACATGAGGGCAGAAATTATA  
AGGATGATGGAAGGTGCAAAACCAGAAGAAATGTCCTTCCAGGGGCGGGGAGTCTTCGAG  
CTCTCGGACGAAAAGGCAGCGAACCCGATCGTGCCCTCTTTTGACATGAGTAATGAAGGA  
TCTTATTTCTTCGGAGACAATGCAGAGGAGTACGACAATTAAGGAAAAATACCTTGTTT  
CTACT

>gi|60479|gb|X15282|Influenza A virus (A/Chile/1/83/(H1N1)) NS genomic RNA for nonstructural protein

AGCAAAAAGCAGGGTGGCAAAGACATAATGGATCCCAACACTGTGTCAAGCTTTCAGGTAG  
ATTGCTTCCTTTGGCATGTCCGCAAACAAGTTGCAGACCAAGAGCTAGGTGATGCCCCAT  
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AATCCGATGAGGCACTTAAATGACCATGGCCTCCGCACCTGCTTCACGATACCTAACTG  
ACATGACTATTGAAGAAATGCAAGGACTGGTTCATGCTCATGCCCAAGCAGAAAGTGG  
CAGGCCCTCTTTGTGTGAGAATGGACCAGGCGATAATGGATAAGAACATCATACTGAAAG  
CGAATTTCAAGTGTGATTTTGTACCGGTTGGAGACTCTGATATTACTAAGGGCTTTACCG  
AAGAGGGAGCAATTGTTGGCGAAATTCACCATTGCCCTTCTTCCAGGACATACTAATG  
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CTCCACTCACTCCAAAAACAGAAACGGAAAAATGGCGAGAGCAATTAGGTCAGAAGTTCGAA  
GAAATAAGATGGCTGATTGAAGAAGTGAGACATAAATTGAAGATAACAGAGAATAGTTTT  
GAGCAAATAACATTTATGCAAGCCTTACAGCTATTGTTTGAAGTGGAACAAGAGATAAGA  
ACGTTTTTCGTTTCAGCTTATTTAATGATAAAAAACACCCTTGTTTCTACT  
>gi|60482|gb|X07869|Influenza A virus (A/chicken/Scotland/59(H5N1)) mRNA for haemagglutinin precursor  
AGCAAAAGCAGGGGTCTGATCTACTAAAATGGAGAGAATAGTGCTTCTTCTGCAATAGT  
CAGTCTTGTCAAAAAGTGACCAGATTGCAATTGGTTACCATGCAAAACAAATCGACAAAAACA  
GGTTGACACAATAATGGAGAAGAATGTGACTGTCACACACGCCCAAGATATACTTGAAAG  
GACACACAACGGGAAGCTCTGCAGTCTAAATGGGGTGAAACCTCTCATCTTGAGGGACTG  
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ATGGTTATACATAGTAGAAAAGGACAATCCAATCAACAGCCTCTGCTACCCAGGGGATTT  
TAATGACTACGAAGAAGCTGAAATACCTATTGAGCAGTACAAACCATTTTGAGAAAATTCG  
AATCATCCCCAGGAGCTCTTGGTCCAATCATGATGCTTCATCAGGAGTGAGCTCTGCATG  
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TACATACCCAACAATAAAGAGGAGTTACAACAATACCAACCAAGAGGATCTTCTAATACT  
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CACTTACGTTTCTGTCGGAACATCAACACTGAACCAGAGATCAATTCCAGAAATAGCCAC  
TAGGCCTAAAGTAAATGGGCAGAGCGGACGAATGGAATTCTTCTGGACAATTTTAAAGCC  
AAATGATGCAATCAATTTTGAGAGTAATGGGAACCTCATAGCTCCAAGATATGCATACAA  
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TACTAAGTGTCAAAACCTCAGTGGGTGAGATAAATCCAGTATGCCCTTCCACAATATACA  
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ACAGGGAAGTGGGTATGCTGCAGACAAAGAGTCCACTCAAAAGGCAATTGATGGAATCAC  
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CAGGGAGGAAATAAGTGGAGTTAAATTTGGAATCAATGGGGGTTTATCAAATACTGTCAAT  
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GATGTGTTCCAATGGGTCATTGCAGTGCAGAATTTGCATTGAATTTATTGAGTTCAGAT  
TGTAAGTTAAAAACACCCTTGTTTCTACT  
>gi|60484|gb|V00603|Influenza A virus (A/PR/8/34(H1N1)) mRNA for hypothetical protein, strain A/PR/8/34  
AGCGAAAGCAGGTCAATTATATTCAATATGGAAAAGAATAAAAGAACTAAGAAATCTAATG  
TCGCAGTCTCGACCCGCGAGATACTCACAAAAACACCGTGGACCATATGGCCATAATC  
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GAACCTATCGACAATGTGATGGGAATGATTGGGATATTGCCCCGACATGACTCCAAGCATC  
GAGATGTCAATGAGAGGAGTGAGAATCAGCAAAATGGGTGTAGATGAGTACTCCAGCACG  
GAGAGGGTAGTGGTGACATTGACCGTTCTTGAGAGTCCGGGACCAACGAGGAAATGTA  
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TACAATAAAATGGAATTTGAACCATTCAGTCTTTAGTACCTAAGCCATTAGAGGCCAA  
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CAGTCTCTCTCATTTACTGTAATGTGAGGGGATCAGGAATGAGAATACTTGTAAGGGGC  
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AGGGGATTCCCTATTCTGGGCAAAGAAGACAGGAGATATGGGCCAGCATTAAGCATCAAT  
GAACTGAGCAACCTTGCGAAAGGAGAGAAGGCTAATGTGCTAATTGGGCAAGGAGACGTG  
GTGTTGGTAATGAAACGAAAACGGGACTCTAGCATACTTACTGACAGCCAGACAGCGACC

AAAAGAATTCGGATGGCCATCAATTAGTGTGCGAATAGTTTAAAAACGACCTTGTTTCTACT  
T

>gi|60486|gb|X55992|Influenza C virus (STRAIN C/BERLIN/1/85) mRNA for basic polymerase 2 precursor

GGATTGAAAAATGTCTCTTCTATTGACAAATAGCAAAGGAATACAAAAGACTATGCCAAGAT  
GCTAAGGCAGCTCAAAATGATGACAGTGGGAACTGTATCGAACTACACTACGTTCAGAAA  
TGGACTACATCAAGGAAGGAAAAAGAAATCCTTCATTAAGAATGAGGTGGGCAATGAGCAGT  
AAATTCCTCAATAATAGCTAACAAGAGAATGCTGGAAGAAGCACAAATTCCTAAAGAACAC  
AACAAATGTAGCCCTTTGGGAAGACACGGAAGATGTTTCAAAAAGGGATCATGTTCTTGCA  
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GAACAAAGATTGAGAACTGGAGAAAATTAAGACTTGCAAATGTGGACTTTGTTCTGAAGAT  
GAAGCTCCTCTTGCTAGCAAATTCATTTTAGACAATTATGGTCTAGTCAAAGAAATGAGA  
TCAAAGTTTGCAAACAAACCTTTGAATAAAGAAGTAGTTGCACATATGTTAGAAAAACAA  
TTCAATCCGGAAGTAGATTCTTACCTGTTTTCGGAGCTATAAGACCAGAAAAGAAATGGAA  
TTGATCCATGCATTAGGAGGAGAAACTTGGATACAAGAAGCTAACACTGCAGGGATTTC  
AATGTTGATCAAAGGAAAAATGATATGAGAGCAGTATGTAGAAAAGTTTGTCTTGACAGCA  
AATGCAAGTATAATGAACGCCAAAAAGCAAACCTGGTTGAGTATATAAAAAGTACAAGTATG  
AGAATTGGAGAAACAGAAAGAAAGCTTGAAGAACTTATACCTGAAACCGATGATGTCTCA  
CCTGAAGTAACATTATGTAAATCTGCTTAGGAGGACCATTAGGAAAACTCTATCCTTT  
GGGCCCATGCTACTCAAGAAAATTTCTGGTTCCGGAGTAAAAGTTAAAGATACAGTATAT  
ATCCAAGGCGTCAGAGCAGTACAATTTGAATACTGGAGTGAGCAAGAAGAATTCTATGGA  
GAATATAAGTACGCCACCGCTTATTACGACAGAAAGGAAAGTCACTAGAATGGATTACA  
ATAGGAGGAGGAATAAATGAAGACAGAAAGAGACTTCTAGCTATGTGCATGATATTTTGC  
AGAGATGGAGATTATTTTAAAGACGCCCTTGAACAATAACAATGGCAGATTAACTACA  
AAATTAGGAAGAGAAATTCCATATCAATATGTGATGATGAATTGGATACAAAAATCAGAA  
GATAATCTTGAAGCCTTATTATACAGTAGGGGAATTGTAGAAACTAATCCAGGGAAAATG  
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ATAAAGGTCTTACCCTTACTTATTTGCCCCAAAAACAAGGAATGTTTGAAGGAAGGTTT  
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AAGGCTGACAGTTCTAAAATATATTGTCATGGAATAGCTATAAGGGTACCTTTAGTTGTT  
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GACCCAGAGCACCAATGGTAACAGGACAAGACTTAATTGATGTGGGATTGCGGCAAAAA  
GTTAGACTCTTCGTAGGCCAAGGAGCGTTAGAACCCTTCAAGCGAACTGCCTCACAAAGG  
GCTGCATCAAGCGATGTAAATAAGAATGTGAAAAAGATAAAGATGTCTAACTAAAAATCC

>gi|60493|gb|X17221|Influenza A virus (A/CHR/157/83(H1N1)) gene for haemagglutinin, genomic RNA

CCAAAATGAAAGCAAACTACTGGTCTGTTATGTGCACTCTCAGCTACAGATGCAGACA  
CAATATGTATAGGCTACCATGCGAACAACTCAACCGACACTGTTGACACAGTACTCGAAA  
GAACCGTGACAGTACACACTCTGTCAACCTACTTGAGGACAATCACAAACGGGAACTAT  
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TAGGAAACCCAGAATGCGAATCACTGTTTTCTAAGAAATCATGGTCTTACATTGCAGAAA  
CACCAAACCTCCGAGATGGAACATGTTACCCAGGGTATTTGCGCGACTATGAAGAACTGA  
GGGACAATGAGTTCAAGTATCATCATTCGAGAGATTGCAAAATATCCCCAAGGAAAGTT  
CATGGCCCAACCACAACGTAACCAAAGGAGTAACGGCATCATGCTCCCATAGGGGAAAA  
GCAGTTTTTACAGAAATTTGCTATGGCTGACGAGAGAAAAATGGCTCGTACCCAAATCTGA  
GCAAGTCCTATGTGAACAACAAAGAGAAAGAGTCTTGTACTATGGGTGTTTCATCACC  
CGTCTAACATAGAGGACCAAAAGACCATCTATCGTAAAGAAAAATGCTTATGTCTCTGTAG  
TGTCTTCACATTATAACAGGAGATTACCCAGAAATAGCAAAAAGACCCAAAGTAAGAG  
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TTGAGGCAAATGGAATCTAATAGCGCCATGGTATGCTTTGCACTGAGTAGAGGCTTTG  
GGTCAGGAATCATCACTCAAACGCATCGATGGATGAATGTGACGCGAAGTGTCAAACAC  
CCCAGGGAGCTATAAACAGTAGTCTTCCTTTTCAAGATGTACACCCAGTCACAATAGGAG  
AGTGCCCAAAAGTACGTAAGGAGTACAAAATTAAGGATGGTTACAGGACTAAGGAACATCC  
CATCCATTCAATCCAGAGGTTTGTGTTGGAGCCATTGCCGGTTTCATTGAAGGGGGATGGA  
CTGGAATGATTGATGGATGGTATGGTTATCATCATCAGAATGAACAGGGATCTGGCTATG  
CTGCGGATCAAAAAAGCACAAAGTGCCATTAACGGGATTACAAAAAGGTGAACCTCTG  
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TGAAGAACCTGTATGAGAAAGTAAAAAGCCAATTAAGAAATAATGCCAAAGAAATAGGAA  
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GAATCTATGACATAATCAAAATATTCAGAGGAATCAAAATTAACAGGGAAAAAATGTAG  
GAGTGAAATTGGAATCAATGGGAGTCTATCAGATTCTGGCGATCTACTCAACTGTGCGCA  
GTTCACTGGTGCTTTTGGTCTCCCTGGGGCAATCAGCTTCTGGATGTGTTCTAATGGGT  
CTTTCAGTGCAGAATATGCATCTGAGACCAGAATTTCAAGAAATATAAGAAAAAACACC  
CTTGTTTCTACT

>gi|60495|gb|X17223|Influenza A virus (A/FPV/Rostock/34(H7N1)) gene for PA polymerase 1 precursor, genomic RNA



AGCAAAAGCAGGTACTGATCCAAAATGGAAGAATTTGTGCGACAATGCTTCAATCCAATG  
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GGGCTCCCTGTTCTCAGCGGTCAAAATTCCTACTGATGGATGCTCTGAAATTAAGCATT  
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GAGCCACACAAGTGGGAGAAGTATTGTGTTCTTGAAATAGGAGACATGCTCCTGCGGACT  
GCAATAGGCCAAGTATCAAGGCCCATGTTCTGTATGTGAGAACCAATGGAACCTCCAAA  
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GAAAGCATGGTTGAGGCTGAGTCTCTGTCAAGGAGAAAGACATGACTAAGGAATTCTTT  
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CCACAACCTTGAGGGATTTTCAGCGGAATCTAGAAAACCTGCTCCTCATTGTTTCAGGCTCTT  
AGAGACAACCTGGAACCTGGAACCTTCGATCTTGAGAGGCTATATGGAGCAATTGAGGAG  
TGCCTGATTAATGATCCCTGGGTTTTGCTTAATGCATCTTGGTTCAACTCCTTCCTCACA  
CATGCACTGAAATAGTTGTGGCAATGCTACTATTTGCTATCCATACTGTCCAAAAAAGTA  
CCTTGTCTTACT

>gi|60497|gb|Z12617|Influenza A virus (A/FPV/Dutch/27(H7N7)) mbgl gene for L protein, genomic RNA

AGCAAAAGCAGGGGATACAAAATGAACACTCAAATCCTGGTATTTCGCCCTTGTTGGCAGTC  
ATTACACAAAATCGAGACAAAATTTGCCTTGGACATCATGCTGTATCAAATGGCACCAAG  
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ACAAACATTCCAAAATTTGTCTAAAAGGGGAAAAGAACCCTTGATCTTGGCCAATGCGGA  
CTACTGGGGACCATACCGGACCACTCAATGCGACCAATTTCTAGAATTTTCAGCTGAT  
TTAATAATCGAGCGGCGAGAAAGAAATGATGTTTGTACCCGGGGAAGTTTGTGAATGGA  
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ACATACAGTGGAAATAAGAACCAATGGAACAACCTAGGGCGTGTAAGATCAGGATCTTCA  
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TGCCCAAGATATGTAAACAGGAAAGCTTATTATTGGCAACTGGGATGAAGAACGTTCCC  
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TATGATGGCACTGGTTGCTTGAATTTTTCATAAATGTGATGATTGTATGGCTAGT  
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CAAATTGACCCAGTCAAATTGAGTAGTGGCTACAAAGATGTGATACTTTGGTTTAGCTTC  
GGGGCATCATGCTTTTACTTCTTGCCATTGCAATGGGCCTTGTTTTCATATGTGTGAAG  
AACGGAAACATGCGGTGCACTATTTGTATATAAGTTTGGAAAAAACACCCTTGTCTTA  
CT

>gi|60499|gb|X17222|Influenza virus B/ENG/222/82 genomic RNA for haemagglutinin

TTGTACTACTCATGGTAGTAACATCCAATCCAGATCGAATCTGCACTGGGATAACATCTT  
CAAACCTACCCCATGTGGTCAAAACAGCTACTCAAGGGGAAGTCAATGTGACTGGTGTGA  
TACCACTGACAACAACACCAACCAATCTCATTTTGCAATCTCAAAGGAACAAAGACCA  
GAGGGAACTATGCCCCAACTGTCTCAACTGCACAGATCTGGACGTGGCCTTGGGCAGAC

CAAAGTGTATGGGGACCATACCTTCGGCAAAAAGCTTCAATACTCCACGAAGTCAAACCTG  
TTACATCCGGGTGCTTTCTATAATGCACGACAGAACAAAAATTAGACAGCTGCCAATC  
TTCTCAGAGGATATGAAAATATCAAGTTATCAACCCGTAACGTTATCAACGCAGAAAAGG  
CACCAGGAGGGCCCTACATAATTGGAACCTCAGGATCTTGCCCTAACGTTACCAATGGAA  
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GGTTCCATTCTGATAACGCAACCCAAATGGTAAAACTCTATGGAGACTCAAAGCCTCAAA  
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ATACTATACTGCTCTACTACTCAACTGCTGCTTCTAGTTTGGCTGTAAACATTGATGATAG  
CTATCTTTATTGTTTATATGGTCTCCAGAGACAATGTTTCTTGCTCCATCTGCTATAGG  
GAGGATTGAGCCCTGTATTTCTTTGTTGTGGTGCTTGTGTTGCTTGTACCATTACAGA  
AAACGTTATTGAAAAATGCTCTTGTTACTA

>gi|60501|gb|X67013|Influenza Virus RNA for neuraminidase and NB protein

ATGAACAATGTACCTTCAACTATACAAACGTTAACCCATTCTCACATCAGGGGGAGT  
GTTATTATCACTATATGTGCAGCTTCACTGTCATACTTACTGTATTTCGGATATATTGCT  
AAAATTTTCACCAACAGAAATAACTGCACCAAAAGTGCCATTGGATTGTGCAAACGCATC  
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GGAGTGGACATACCCCTCGTTTATCTTGCCAGGGCTCAACCTTTCAGAAAGCACTCCTAAT  
TAGCCCTCATGATTTCGGAGAATCCAGAGGAACTCAGCTCCCTTGATAATAAGGGAACC  
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CGGTGCCGATGCCATGATGGTAGAGAATGGACATATATCGGAGTTGATGGCCCTGACAG  
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ATGCGGATTTGCCAGCAATAAAACCATAGAATGTGCCTGTAGAGATAACAGTTACACAGC  
AAAAAGACCCCTTTGTCAAATTAATGTGGAGACTGATACAGCTGAAATAAGATTGATGTG  
CACAGAGACTTATTTGGACACCCCCAGACCAGATGATGGAAGCATAACAGGGCCTTGCGA  
TCTAATGGGGGACAAAGGGCGTGAGGCATCAAGGGAGGATTGTTTCATCAAAAGAATGGC  
ATCCAAGATTGGAAGATGGTACTCTCGAACGATGTCTAAAACCTGAAAGAATGGGGATGGA  
ACTGTATGTCAAGTATGATGGAGACCCATGGACTGACAGTGACGCCCTTGCTCCTAGTGG  
AGTAATGGTTTCAATGAAAGAACTGGTTGGTATTCTTTGGCTTCGAAATAAAAGATAA  
GAAATGTGATGTCCCTGTATTGGGATAGAGATGGTACATGATGGTGGAAAAAAGACTTG  
GCATCAGCAGCAACAGCCATTTACTGTTTGATGGGCTCAGGACAATTGCTATGGGACAC  
TGTCACAGGTGTTGATGTGCTGTGTAATGGAGGAATGGTTGAATCTGTTCTAAACCCCT  
TGTTCTTATTTGTTTGAACAATTGCTCTTACTGAACTTAATTGTTTCTGAAAAATGCTC  
TTGTTACTACT

>gi|60504|gb|X17224|Influenza A virus (STRAIN A/TAIWAN/1/86) RNA for haemagglutinin HA1 chain, genomic RNA, strain A/Taiwan/1/86

AAAACAACCAAAATGAAAGCAAAACTACTAGTCCTGTTATGTGCATTTACAGCTACAGAT  
GCAGACACAATATGTATAGGCTACCATGCGAACAACTCAACCGACACTGTTGACACAGTA  
CTTGAAAAGAACGTGACAGTGACACACTCTGTCAACCTACTTGAGGACAGTCAACAACGGA  
AACTATGTCGACTAAAAGGAATAGCCCCACTACAATTGGGTAATTGCAGCATTGCCGGA  
TGGATTTTAGGAAACCCAGAATGCGAATCACTGTTTTCTAAGAAATCATGGTCTTACATT  
GCAGAAACACCAAACTCCGAGAATGGAACATGTTACCCAGGGTATTCGCCGACTATGAG  
GAACTGAGGGAGCAATTGAGTTCAGTATCATCATTCGAGAGATTGCAAAATATCCCCAAA  
GAAAGCTCATGGCCCAACCAACCGTAACCAAGGAGTAACGGCAGCATGCTCCATAAG  
GGGAAAAGCAGTTTTTTACAGAAATTTGCTATGGCTGACGGGAGAAGAATGGCTCGTACCCA  
AATCTGAGCAAGTCCTATGTGAACAACAAAGAGAAAGAAGTCCTTGACTATGGGGTGTT  
CATCACCCGTCTAACATAGGGGACCAAAAGGGCCATCTATCATACAGAAAATGCTTATGTC  
TCTGTAGTGTCTTACATTATAACAGGAGATTCACCCAGAAATAGCAAAAAAGACCCAAA  
GTAAGAGGTCAAGAAGGAAGAATTAATACTACTGGACTCTGCTGGAACCCGAGGACACA  
ATAATATTTGAGGCAAAATGGAATCTAATAGCGCCATGGTATGCTTTCGCACTGAGTAGA  
GGCTTTGGGTCAGGAATCATCACCTCAAACGCATCAATGGATGAATGTGACGCGAAGTGT  
CAAACACCCAGGGAGCTATAACAGTAGTCTTCTTTCCAGAATGTACACCCAGTCACA  
ATAGGAGAGTGCCCAAAGTATGTCAGGAGTACAAAATTAAGAATGTTTACAGGACTAAGG  
AACATCCCATCCATTCAATCCAGA

>gi|60694|gb|X05907|Influenza A virus (A/England/321/1977(H3N2)) gene for haemagglutinin precursor, genomic RNA

AGCAAAAGCAGGGGATAATTCTATTAACCATGAAGACTATCATTGCTTTGAGCTACATTT  
TCTGTCAAGTTCTCGCCAAAACCTTCCAGGAAATGACAACAGCACAGCAACGCTGTGCC  
TGGCACATCATGCAGTGCCAAACGGAACGCTAGTGAAAAACAATCACGAATGATCAGATTG  
AAGTGACTAATGCTACTGAGCTGGTTTCAAGTTTCTCAACAGGTAGAATATGCGACAGTC  
CTCATCGAATCCTTGATGGAAAAAACTGCACACTGATAGATGCTCTATTGGGGGACCCTC  
ATTGTGATGGCTTTCAAAAATGAGAAATGGGACCTTTTTTGTGAACGCAGCAAAAGCTTTCA  
GCAACTGTTACCCCTTATGATGTGCCAGATTATGCCTCCCTTAGGTCACTAGTTGCCTCGT  
CAGGCACCCTGGAGTTTATCAATGAAGGCTTCAATTGGACTGGGGTCACTCAGAATGGGG  
GAAGCTATGCTTGCAAAAGGGGACCTGATAACAGTTTCTTCAGTAGACTGAACTGGTTGT  
ACAAATCAGAAAGCACATATCCAGTGCTGAACGTGACTATGCCAAACAATGACAATTTTG  
ACAAAATGTACATTTGGGGAGTTCAACACCCGAGCACGGACAAAGAACAACCAAACTAT  
ATGTTCAAGCATCAGGGAGAGTACAGTCTCCACCAAGAGAAGCCAGCAAACTATAATCC  
CGAATGTCGGGTCTAGACCCTGGGTAAGGGGTCTGTCTAGTAGAATAAGCATCTATTGGA  
CAATAGTAAAACCGGGAGACATACTGTTAATTAATAGCAACGGGAACCTAATTGCTCCTC  
GGGGTTACTTCAAAAATACGCACTGGGAAAAAGCTCAATAATGAGGTGAGATGCACCCATTG  
GCACCTGCAGTTCTGAATGCATCACTCCAAATGGAAGCATTTCCAATGACAAGCCCTTTC  
AAAACGTAAACAAGATCACATATGGGGCATGTCCCAAGTATGTTAAGCAAAACACTCTGA  
AGTTGGCAACAGGGATGCGGAATGTACCAAGAGAAACAACACTAGAGGCATATTGCGCGCAA  
TAGCAGGTTTCATAGAAAAATGGTTGGGAGGGAATGATAGACGGTTGGTACGGTTTCAGGC  
ATCAAAATTTCTGAGGGCACAGGACAAGCAGCAGATCTTAAAGCACTCAAGCAGCCATCG  
ACCAAATCAATGGGAACTGAATAGGGTAATCGAGAAAAACGAACGAGAAATCCATCAAA  
TCGAAAAGGAATTTCTCAGAAGTAGAAGGAGAATTCAGGACCTCGAGAAATACGTTGAAG  
ACTATAAATAGATCTCTGGTCTTACAATGCGGAGCTTCTGTGCTGCTGGAGAACCAAC  
ATACAATTGATCTGACTGACTCGGAAATGAACAAACTGTTTGAAAAACAAGAAGGCAAC  
TGAGGGAAAATGCTGAGGACATGGGCAATGGTTGCTTCAAAATATACCACAAATGTGACA  
ATGCTTGCATAGGGTCAATCAGAAATGGAAGTATGACCATGATGTATACAGAGACGAAG  
CATTAAACAACCGGTTTCAGATCAAAGGTGTTGAGCTGAAGTCAGGATACAAAGACTGGA  
TCCTGTGGATTTCCTTTGCCATATCATGCTTTTGTGCTTTGTGTTGTTTGTGCTGGGGTTCA  
TCATGTGGGCTTGCCAAAAGGCAACATTAGGTGCAACATTTGCATTTGAGTGTATTAAT  
TAAAAACACCCTTGTTTCTACT

>gi|60698|gb|X58690|Influenza A virus (A/FPV/Rostock/34(H7N1)) gene for cap-binding protein PB2, genomic RNA  
GAGAGAGTGGTCTGTGAGTATTGACCGTTTCTTAAGAGTTTCGAGATCAGCGTGGAATGTA  
ATCCTGTCTCCTGAAGAGGTTAGCGAAACGCAGGGAACAG

>gi|60700|gb|X58691|Influenza A virus (A/FPV/Dobson/27 (H7N7)) gene for cap-binding protein PB2, genomic RNA  
GAGAGAGTGGTCTGTGAGTATTGACCGTTTCTTAAGGTTTCGAGATCAACGTGGGAATGTG  
CTATTGTCTCCGAAGAGGTTAGCGAAACGCAGGGAACAG

>gi|60702|gb|X07826|Influenza A virus (A/chicken/Scotland/59(H5N1)) HA gene for hemagglutinin, genomic RNA

AGCAAAAGCAGGGGTCTGATCTACTAAATGGAGAGAATAGTGCTTCTTCTGCAATAGT  
CAGTCTTGTCAAAAGTGACCAGATTTCATTTGGTTACCATGCAAAACAATCGACAAAACA  
GGTTGACACAATATGGAGAAGATGTGACTGTCACACAGCCCAAGATATACTTGAAAG  
GACACACAACGGGAAGCTCTGCAGTCTAAATGGGGTGAACCTCTCATCTTGAGGGACTG  
TAGTGTAGCTGGATGGCTCCTGGGAAACCCCATGTGTGACGAGTTCCTAAATCTGCCAGA  
ATGGTTATACATAGTAGAAAAGGACAATCCAATCAACAGCCTCTGCTACCCAGGGGATTT  
TAATGACTACGAAGAAGTGAATACCTATTGAGCAGTACAAACCATTTTGAGAAAATTCG  
AATCATCCCCAGGAGCTCTTGGTCCAATCATGATGCTTCATCAGGAGTGAGCTCTGCATG  
TCCATACATTGGGAGTTCCTCCTTTTAAGAAATGTGTATGGCTGATCAAAAAGAACA  
TACATACCCAACAATAAAGAGGAGTTACAACAATACCAACCAAGAGGATCTTCTAATACT  
GTGGGGGATCCATCCTAATGACGCAGCGGAACAAACAAGCTCTATCAAAATCCGAC  
CACTTACGTTTCTGTGCGAACATCAACACTGAACCAGAGATCAATTCCAGAAATAGCCAC  
TAGGCCTAAAGTAAATGGGCAGAGCGGACGAATGGAATTTCTTCTGGACAATTTTAAAGCC  
AAATGATGCAATCAATTTTGAGAGTAATGGGAACCTTCATAGCTCCAAGATATGCATACAA  
AATCGTCAAGAAGGGGACTCGGCAATCATGAAAAGCGGTTGGCATATGGTAAGTGTGA  
TACTAAGTGTCAAACTCCAGTGGGTGAGATAAACTCCAGTATGCCCTTCCACAATATACA  
CCCTCACACCATTTGGGAATGCCCTAAATACGTGAAATCAGATAGGTTGGTCTTGCAC  
TGGACTCAGAAACGTCCTCAAAGGAAGAAAAGAGGTCTATTGGGGCTATAGCGGGCTT  
TATTGAAGGGGGATGGCAGGGAATGGTAGACGGTTGGTATGGATACCATCATAGCAACGA  
ACAGGGAAGTGGGTATGCTGCAGACAAAGAGTCCACTCAAAGGCAATTGATGGAATCAC  
CAACAAGGTCAATTCAATCATTTGACAAAATGAACACCCGGTTTGAGGCCGTCGGAAAGGA  
ATTTAATAATTTGGAGAGGAGGGTAGAGAATTTGAACAAGAAAATGGAAGACGGGTTTCT  
AGATGTTTGGACTTACAATGTGGAACCTTCTAGTCCTTATGGAATGAAAGGACTCTGGA  
TTTCCATGACTCAACGCTCAACAACCTTTATGATAAAGTCCGACTACAGCTTAAGGACAA  
CGCGAGGGAACCTGGGAAATGGTTGTTTCGAGTCTACCACAAATGTGACAATGAATGTAT  
GGAAAGTGTGAGAAACGGAACATGACTACCCAGTATTCAGAAGAAGCAAGACTAA  
CAGGAGGAAATAAGTGGAGTTAAATTTGAATCAATGGGGGTTTATCAAAATCTGTCAAT  
TTATTCAACAGTGGCAAGTTCCCTAGCACTGGCAATCATGATAGCTGGTCTATCTTTTG  
GATGTGTTCCAATGGGTCATTGCAGTGCAGAAATTTGCATTTGAATTTATTGAGTTCAGAT  
TGATAGTAAAAACACCCTTGTTTCTACT

>gi|60716|gb|X52146|Influenza A virus (A/Leningrad/1954/1(H1N1)) gene for nonstructural protein, genomic RNA  
AGCAAAAGCAGGGTGACAAAATAATGGATCCAAACACTGTGCAAGCTTTCAGGTAG  
ATTGCTTTCTTTGGCATGTCCGAAAACGAGTTGCAGACCAAGAACTAGGTGATGCCCCAT  
TCCTTGATCGGCTTCGCCGAGATCAGAAATCCCTAAGAGGAAGGGGCAGTACTCTCGGTC  
TGGACATCAAGACAGCCACACGTGCTGAAAGCAGATAGTGGAGCGGATTCTGAAAGAAG  
AATCCGATGAGGCACTTAAATGACCATGGCCTCTGTACCTGCGTCGCTTACCTAACCG  
ACATGACTCTTGAGGAAATGTCAAGGGACTGGTCCATGCTCATACCAAGCAGAAAGTGG

CAGGCCCTCTTTGTATCAGAATGGACCAGGCGATCATGGATAAGAACATCATACTGAAAG  
CGAACTTCAGTGTGATTTTTGACCGGCTGGAGACTCTAATATTGCTAAGGGCTTTCACCG  
AAGAGGGAGCAATTGTTGGCGAAATTTACCATTGCCCTTCTCTCCAGGACATACTGCTG  
AGGATGTCAAAAATGCAGTTGGAGTCCCTCATCGGAGGACTTGAATGGAATGATAACACAG  
TTCGAGTCTCTGAAACTCTACAGAGATTTCGCTTGGAGAAGCAGTAATGAGAATGGGAGAC  
CTCCACTCTACTCCAAAACAGAAACGAGAAATGGCGGGAACAATTAGGTCAGAAGTTTGAA  
GAAATAAGATGGTTGATTGAAGAAGTGAGACACAACTGAAGATAACAGAGAATAGTTTT  
GAGCAAATAACATTATGCAAGCCTTACATCTATTGCTTGAAGTGGAGCAAGAGATAAGA  
ACTTTCTCGTTTCAGCTTATTTAGTACTAAAAACACCCTTGTTTCTACT

>gi|60720|gb|X05905|Influenza A virus (A/chicken/FPV/Rostock/1934(H7N1)) viral cRNA for M1 and M2 genes, segment 7

GTTTCATCATCCCTGCAAAAGCAGGTAGATATTTAAAGATGAGTCTTCTAACCAGAGTTGA  
AACGTACGTTTCTCTATCATCCCATCAGGCCCTCAAAGCCGAGATCGCGCAGAGACT  
TGAAGATGTCTTTGCAGGGAAAAACACAGACCTTGAGGTTCTCATGGAATGGCTAAAGAC  
AAGACCAATCCTGTCACCTCTGACTAAAGGGGTTTTGGGGTTTGTGTTTACGCTCACCGT  
GCCCAGTGAGCGAGGACTGCAGCGTAGACGCTTTGTCCAAAATGCCCTAAATGGGAATGG  
GGATCCAAATAACATGGATAAAGCCGTCAAACATACAGGAAGTTGAAAAGGGAGATAAC  
ATTCTATGGAGCTAAGGAAGTGGCACTCAGTTACTCTACTGGAGCACTTGCCAGTTGTAT  
GGGCTCATATACGACAGAAATGGGAAGTGTGACCACAGAGGTGGCATTGGCCTAGTGTG  
TGCCACTTGTGAGCAGATTGCTGATTACAGCATCGGTCTCACAGACAGATGGTGGCTAC  
CACCAATCCACTAATCAGGCATGAGAACAGAATGGTAATGGCCAGCACTACAGCTAAGGC  
TATGGAGCAAATGGCTGGGTCAAGTGAACAGGCAGCGGAGGCCATGGAGGTTGCTAGCCA  
GGCTAGGCAGATGGTGCAGGCAATGAGGACAATTGGGACTCATCCTAGCTCCAGTGCTGG  
TCTGAAAGATGATCTTCTTGAAAATTTGCAGGCTACCAGAAACGGAGTGGGAGTGACAGT  
GCAACGATTCAAGTGACCCTCTCATTATTGCCGCAAGTATCATTGGGATCTTGCACTTGA  
TATTGTGGATTCTTAATCGTCTTTTCTCAAATGTATTTATCGTCGCCTTAAATACGGTT  
TGAAAAGAGGGCCTTCTACGGAAGGAGTGCCTGAGTCTATGAGGGAAGAATATCGGCAGG  
AACAGCAGAGTGCTGTGGATGTTGACGATGGTCATTTTGTCAACATAGAGCTGGAGTAAA  
AAACTACCTTGTTTCTACT

>gi|60723|gb|X13551|Influenza B virus HA gene for haemagglutinin precursor, strain B/Memphis/6/86

ACTCATGGTAGTAACATCCAATGCAGATCGAATCTGCACTGGGATAACATCGTCAAACCTC  
CCCCATGTGGTCAAAACTGCTACTCAAGGGGAAGTCAATGTGACTGGTGTGATACCACT  
GACAACAACACCTACCAAATCTCATTTTGCAAATCTCAAAGGAACAAAAACAGAGGGAA  
ACTATGCCAAAAGTGTCTCAACTGCACAGATCTGGACGTGGCCTTTGGCAGACCAAAGTG  
TATGGGGACCTACCTTCAGCAAAAAGCTTCAATACTCCACGAAGTCAAACCTGTTACATC  
TGGGTGCTTTCTTATAATGCACGACAGAAACAAAAATCAGGCAGCTACCCAATCTTCTCAG  
AGGATATGAAAATATCAGGTTATCAACCCACAACGTTATCAACGCAGAAACGGCACCCAGG  
AGGACCCTACATAGTTGGAACCTCAGGATCTTGCCCTAACGTTACCAATGGAACCGGATT  
CTTCGCAACAATGGCTTGGGCTGTCCCAAAAAACAACAACAACAAACAGCAACAAATCC  
ATTAACAGTAGAAGTACCATTCAATTGTACAGAAGGAGAAGACCAGATTACTGTTTGGGG  
GTTCCACTCTGATAACGAAATGCAAAATGGTAAACTCTATGGAGACTCAAAGCCTCAGAA  
GTTCACTCATCTGCCAACGGAGTGACACACATTACGTTTACAGATTGGTGGCTTCCC  
AAAACAAGCAGAAGACGGAGGGCTACCACAAAGCGGTAGAATTGTTGTTGATTACATGGT  
GCAAAAATCTGAAAAACAGGAACAATTACCTACCAAAGAGGTATTTTATTGCCTCAAAA  
AGTGTGGTGCAGCAAGTGGCAGGAGCAAGGTAATAAAAGGGTCCCTTACCTTAATTGGTGA  
AGCAGATTGCCTCCACGAAAAATACGGTGGATTAAACAAAAGCAAGCCTTACTACACAGG  
GGAACATGCAAAAGCCATAGAAATGCCCCAATATGGGTGAAAACACCCTTGAAGCTGGC  
CAATGGAACCAAATATAGACCTCCTGCAAAACTATTAAGGAAAAGGGGTTTCTTCGGAGC  
TATTGCTGGTTTCTTGAAGGAGGATGGGAAGGAATGATTGCAGGTTGGCACGGATACAC  
ATCCCATGGAGCATGAGTAGCAGTGGCAGCAGACCTTAAGAGTACGCAAGAAGCCAT  
AAACAAGATAACAAAAATCTCAATTCTTTGAGTGAGCTAGAAGTAAAGAATCTTCAAAG  
ACTAAGCGGTGCCATGGATGAATCCACAACGAAATACTCGAGCTGGATGAGAAAGTGGA  
TAATCTCAGGGCTGATACATAAGCTCGCAAAATAGAGCTTGACAGTCTTGCTTTCCAACGA  
AGGAATAATAAACAGTGAAGATGAGCATCTCTTGCGCTTGAGAGAAAACTGAAGAAAAT  
GCTGGGCCCCCTGCTGTAGACATAGGGAATGGATGCTTCGAAACCAACACAAGTGCAA  
CCAGACCTGCCTCGACAGAATAGCTGCTGGCACCTTAAATGCAGGAGAATTTCTCTTCC  
CACCTTTGATTCACTAAATATTACTGCTGCATCTTAAATGATGATGGATTGGATAATCA  
TACTATACTGCTTTACTACTCAACTGCTGCTTCCAGTTTGGCTGTAACATTGATGATAGC  
TATCTTTATTGTTTATATGTTCTCCAGAGACAATGTTTCTTGCTCCATCTGTCTATAAGG  
AAAATTAACCCCTGATTTTCTTTATTGTAGTGCTTGTTGCTTGTACCATTACAAAA  
AACGTTATTGAAAAATGCTCTTGTTACTACT

>gi|60728|gb|X13552|Influenza B virus (B/USSR/100/83) HA gene for haemagglutinin precursor

ACTCATGGTAGTAACATCCAACGCAGATCGAATCTGCACTGGGATAACATCTTCAAACCTC  
CCCCATGTGGTCAAAACAGTACTCAAGGGGAAGTTAATGTGACTGGTGTGATACCACT  
GACAACAACACCAACCAATCTCATTTTGCAAATCTCAAAGGAACAAAGACCAGAGGGAA  
ACTATGCCAAAAGTGTCTCAACTGCACAGATCTGGACGTGGCCTTGGGCAGACCAAAGTG  
TATGGGGACCATACCTTCGGCAAAAAGCTTCAATACTCCACGAAGTCAAACCTGTTACATC  
TGGGTGCTTTCTTATAATGCACGACAGAAACAAAAATCAGACAGCTACCCAATCTTCTCAG  
AGGATATGAAAATATCAGGTTATCAACCCGTAACGTTATCAACGCAGAAAGGGCACCCAGG  
AGGACCCTACATAATTGGAACCTCAGGATCTTGCCCTAACGTTACCAATGGAAACGGATT  
CTTCGCAACAATGGCTTGGGCTGTCCCAAAAGACAACAAAAACAGCAACGGATCCATTAAC  
AATAGAAGTACCATACATTGTACAAAAGGAGAAGACCAAAATTAAGTTTGGGGGTTCCA  
TTCTGATAACAAAAACCAATGGTAAAACTCTATGGAGACTCAAAGCCTCAAAGTTTAC  
CTCATCTGCCAATGGAGTAACCACACATTATGTTTCTCAGATTGGTGGTTTCCCAATCA  
AACAGAAGACGGAGGGCTACCACAAAGCGGCAGAAATTGTTGTTGATTACATGGTGCAGAA

ACCTGGAAAACCAGGAACAATTGTCTATCAAAGAGGTGTTTTATTGCCTCAAAAAGTGTG  
GTGCGCAAGTGGCAGGAGCAAGGTAATAAAAAGGGTCCTTGCCCTTAAATTGGTGAAGCAGA  
TTGCCTCCACGAAAAATACGGTGGATTAAACAAAAGCAAGCCTTACTACACAGGAGAACA  
TGCAAAAAGCCATAGGAAATTTGCCAATATGGGTGAAAAACACCCCTTGAAGCTGGCCAATGG  
AACCAATATAGACCTCCTGCAAAACTATTAAAGGAAAGGGGTTTCTTCGGAGCTATTGC  
TGGTTTCTTGGAAAGGAGGATGGGAAGGAATGATTGCAGGTTGGCACGGATACACATCTCA  
TGGAGCACATGGAGTGGCAGTGGCAGCAGACCTTAAGAGTACGCAAGAAGCCATAAAACA  
GATAACAAAAAATCTCAATTCTTTGAGTGAGCTAGAAGTAAAGAATCTTCAAAGACTAAG  
CGGTGCCATGGATGAACTCCACAATGAAATACTCGAGCTGGATGAGAAAAGTGGATGATCT  
CAGAGCTGACACAATAAGCTCGCAAATAGAGCTTGCAGTCTTGCTTTCCAACGAAGGAAT  
AATCAACAGTGAAGATGAGCATCTTTGGCACTTGAAGAAAACTAAAGAAAATGCTGGG  
CCCTCTGCTGTAGACATAGGGAATGGATGCTTCGAAACCAACACAAGTGAACCCAGAC  
CTGCTTAGACAGGATAGCTGCTGGCACCTTTAATGCAGGAGAATTTTCTCTCCCCACCTT  
TGATTCATAAATATTACTGCTGCATCTTAAATGATGATGGATTGGATAATCATACTAT  
ACTGCTTTACTACTCAACTGCTGCTTCTAGTTTGGCTGTAACATTGATGATAGCTATCTT  
TATTGTTTATATGGTCTCCAGAGACAATGTTTCTTGCTCCATCTGTCTATAAGGAAAAAT  
AAGCCCTGTATTTCCCTTATTGTAGTGCTTGTTGCTTGTTACCATTACAAAAACGTT  
ATTGAAAAATGCTCTTGTTACTACT

>gi|60733|gb|X13553|Influenza B virus HA gene for haemagglutinin precursor, strain B/B/Victoria/3/85  
ACTCATGGTAGTAACATCCAATGCAGATCGAATCTGCACTGGGATAACATCGTCAAACTC  
CCCCCATGTGGTCAAAAAGTCTACTCAAGGGGAAGTCAATGTGACTGGTGTGATACCACT  
GACAACAACACCTACCAAATCTCATTTTGCAAATCTCAAAGGAACAAAAACCAGAGGGAA  
ACTATGCCCAAGTGTCTCAACTGCACAGATCTGGACGTGGCCTTGGGCAGACCAAGTG  
TATGGGGACCATACCTTCGGCAAAAAGCTTCAATACTCCACGAAGTCAAACCTGTTACATC  
TGGGTGCTTTCTATAATGCACGACAGAACAAAAATCAGGCAGCTACCCAATCTTCTCAG  
AGGATATGAAAATATCAGGTTATCAACCCACAACGTTATCAACGCAGAAACGGCACCAGG  
AGGACCCTACATAGTTGGAACCTCAGGATCTTGCCCTAACGTTACCAATGGAAAACGGATT  
CTTCGCAACAATGGCTTGGGCTGTCCCAAAAAACAACAACAACAACAGCAACAATCC  
ATTAACAGTAGAAGTACCATTCAATTTGTACAGAAGGAGAAGACCAGATTACTGTTTGGGG  
GTTCCACTCTGATAGCGAAACCCAAATGGTAAAACTCTATGGAGACTCAAAGCCTCAGAA  
GTTACCTCATCTGCCAACGGAGTGACCACACATTACGTTTCACAGATTGGTGGCTTCCC  
AAAACAAGCAGAAGACGGAGGGGTACCACAAAGCGGTAGAATTGTTGTTGATTACATGGT  
GCAAAAATCTGGAAAAACAGGAACAATTACCTACCAAAGAGGTATTTTATTGCCTCAAAA  
AGTGTGGTGCAGCAAGTGGCAGGAGCAAGGTAATAAAAAGGGTCCTTGCCCTTAAATTGGTGA  
AGCAGATTGCCCTCCACGAAAAATACGGTGGATTAAACAAAAGCAAGCCTTACTACACAGG  
GGAACATGCAAAAGCCATAGGAAATTGCCCAATATGGGTGAAAACACCCCTTGAAGCTGGC  
CAATGGAACCAATATAGACCTCCTGCAAAACTATTAAAGGAAAGGGGTTTCTTCGGAGC  
TATTGCTGGTTTCTTGGAAAGGAGGATGGGAAGGAATGATTGCAGGTTGGCACGGATACAC  
ATCCCATGGAGCACATGGAGTAGCAGTGGCAGCAGACCTTAAGAGTACGCAAGAAGCCAT  
AAACAAGATAACAACAAAAATCTCAATTCTTTGAGTGAGCTAGAAGTAAAGAATCTTCAAAG  
ACTAAGCGGTGCCATGGATGAACCTCCACAACGAAATACTCGAACTGGATGAGAAAGTGGA  
TGATCTCAGAGCTGATACAATAAGCTCGCAAAATAGAGCTTGCACTTGTCTTTCCAACGA  
AGGAATAATAAACAGTGAAGATGAGCATCTCTTGGCGCTTGAAAGAAAACCTGAAGAAAAT  
GCTGGGCCCCTCTGCTGTAGACATAGGGAATGGATGCTTCGAAACCAACACAAGTGCAA  
CCAGACCTGCCTCGACAGATAAGCTGCTGGCACCTTTAATGCAGGAGAATTTTCTCTTCC  
CACCTTTGATTCACTAAATAATTACTGCTGCATCTTTAAATGATGATGGATTGGATAATCA  
TACTATACTGCTTTACTACTCAACTGCTGCTTCCAGTTTGGCTGTAACATTGATGATAGC  
TATCTTTATTGTTTATATGGTCTCCAGAGACAATGTTTCTTGCTCCATCTGTCTATAAGG  
AAAATTAAGCCCTGTATTTCTTTATTGTAGTGCTTGTTGCTTGTTACCATTACAAAA  
AACGTTATTGAAAAATGCTCTTGTTACTACT

>gi|60738|gb|X13550|Influenza B virus (B/Bonn/43) HA gene for haemagglutinin precursor  
ACTCATGGTAGTAACATCCAATGCAGATCGAATCTGCACTGGGATAACATCGTCAAACTC  
CCCCCATGTGGTCAAAAAGTCCACTCAAGGAGAAGTCAATGTGACTGGTGTGATACCACT  
GACAACAACACCTACCAGATCCCATTTTGCAAATCTCAAAGGAACACAGACCAGAGGAAA  
ACTATGCCCAAACTGTTTCAACTGTACAGATCTGGACGTGGCCTTGGGCAGACCAAAATG  
CATGGGGAACATACCTTCTGCAAAAAGTTTCAGTACTCCATGAAGTCAAACCTGTTACATC  
TGGATGCTTTCTTATAATGCACGACAGAACAAAAATCAGACAACCTACCTAATCTTCTCAG  
AGGATATGAAAATATCAGTTATCAACCAAGTAACGTTATCAGTGCAGAGACGGCGCCAGG  
AGGACCCTACAAGATTGGAACCTCAGGGTCTTGCCCTAACGTTACTAATGGGAGCGGCTT  
CTTTGAAACAATGGCTTGGGCTGTTCCGAAAAACAAAACAGCAATGAATCCAGTAACAGT  
AGAAGTACCATACATTTGTGCAAAAAGGGGAAGACCAAAATTACTGTTTGGGGGTTCCACTC  
TGATAGCGAAACCCAAATGGGAAGACTCTATGGAGACTCAAATCTCAAAAAGTTACCTC  
ATATGCCAATGGAGTAACCAACACATTATGTTTCTCAGATTGGTGGCTTCCCAATCAAAAC  
AGAGGACGAAGGTTAAACAAAGCGGCAGAAATTGTTGTTGATTACATAGTGCAAAAAACC  
TGAAAAACCAGGAACAATTGTTTATCAAAGAGGTATTTTATTGCCTCAAAAAGTGTGGTG  
CGCAAGTGGCAGGAGCAAGGTAATAAAAAGGGTCCTTGCCCTTAAATTGGTGAAGCAGATTG  
CCTCCACGAAAAGTACGGTGGATTAAATAAAAAGCAAGCCTTATTACACAGGAGAGCATGC  
AAAGGCCATAGGAAATTGCCAATATGGGTGAAAACACCCCTTGAAGCTAGCCAATGGAAC  
CAATATAGACCCGCTCGCAAACTATTAAAGGAAAGAGGTTTTTTCGGAGCTATTGCTGG  
TTTCTTGGAAGGAGGCTGGGAAGGAATGATTGACGGTTGGCACGGATACACATCTCATGG  
AGCACATGGAGTGGCAGTGGCAGCAGACCTTAAGAGTACACAAGAAGCTATAAAACAAGAT  
AACAAAAAACCTCAACTCTTTAAGTGAGCTAGAAGTAAAAAATCTTCAAAGACTAAGCGG  
AGAAATGGATGGGCTTCACAACGAAATACTCGAGCTAGACGAGAAGGTGGATGATCTAAG  
AGCTGATACAATAAGCTCACAAATAGAGCTTGCACTTGTCTTTCCAACGAAGGGATAAT

AAACAGTGAAGATGAGCATCTCTTGGCACTTGAAAGAAAACCTGAAGAAAATGCTGGGCCC  
CTCTGCTGTAGACATAGGGAATGGATGCTTCGAAACCAAACACAAATGCAACCAGACTTG  
CCTAGACAGGATAGCTGCTCGCACCTTTAGTGCAGGAGAATTTCTCTTCCCACCTTTGA  
TTCATTAACATTACTGCTGCATCTTTAAATGATGATGGATTGGATAATCACACTATACT  
GCTCTACTACTCAACTGCTGCTTCTAGCTTGGCTGTAACATTGATGATAGCTATCTTCAT  
TGTCTACATGGTCTCCAGAGACAATGTTTCTTGTTCATCTGTCTGTGAGGGAGATTAAG  
CCCTGTGTTTTCTTTACTGTAGTGCTCGTTTGCTTGTCACCATTACAAAGAACGTTATT  
GAAAAATGCTCTTGTTACTACT

>gi|60743|gb|X53060|Influenza B virus HA gene for haemagglutinin precursor, genomic RNA, strain B/NIB/25/88

ATCCACAAAATGAAGGCAATAATTGTACTACTCATGGTAGTAACATCCAATGCAGATCGA  
ATCTGCACCTGGGATAACATCGTCAAACCTCACCCCATGTGGTCAAAAACCTGCTACTCAAGGG  
GAAGTCAATGTGACTGGTGTGATACCACTGACAATAACACCCACCAAATCTCATTTTTGCA  
AATCTCAAAGGAACAAAAACCAGAGGGAAACTATGCCCAAAGTGCTCAACTGCACAGAT  
CTGGACGTGGCCTTGGGCAGACCAAAGTGCACGGGGACCATACCTTCGGCAAAAAGCTTCA  
ATACTCCACGAAGTCAAACCTGTACATCTGGGTGCTTTCCTATAATGCACGACAGAACAA  
AAAATTAGACAGCTACCCAATCTTCTCAGAGGATACGAAAAATACAGGTTATCAACCCAT  
AACGTTATCAACGCAAAACGGCACCAGGAGGACCCTACAAAGTTGGAACCTCAGGGTCT  
TGCCCTAACGTTACCAATGGAAACGGATTCTTCGCAACAATGGCTTGGGCTGTTCCAAAA  
AACGACAATAACAAAACAGCAACAAATCCATTAACAGTAGAAGTACCATACATTTGTACA  
GAAGGAGAAGACCAAATTACTGTTTGGGGGTTCACCTCTGATAACGAAACCCAAATGGTA  
AAACTCTATGGAGACTCAAAGCCTCAGAAAGTTCACCTCATCTGCCAACGGAGTGACCACA  
CATTACGTTTACAGATTGGTGGCTTCCCAAATCAAGCAGAAGACGGAGGGCTACCACAA  
GACGTGATAAATTGTTGTTGATGATGTCAAAAATCTGGAACCAAGGAACAATTACC  
TACCAAAGAGGTATTTTATTGCCTCAAAAAGTGTGGTGCACAGTGGCAGGAGCAAGGTA  
ATAAAAGGGTCTTGCCTTTAATTGGCGAACGAGATTGCCTCCATGAAAAATACGGTGGA  
TTAAACAAAAGCAAGCCTTACTACAGGGGAACATGCAAAAGCCATAGGAAATTGCCCA  
ATATGGGTGAAAAACACCCTTGAGCTGGCCAATGGAACCAATATAGACCTCCTGCAAAA  
CTATTAAAGGAAAGGGGTTTCTTCGGAGCTATTGCTGGTTTCTTGGAAGGAGGATGGGAA  
GGAAT

>gi|60750|gb|V01084|Influenza A virus (A/Puerto Rico/8/1934(H1N1)) gene for nucleoprotein, genomic RNA

AGCAAAAGCAGGGTAGATAATCACTCACTGAGTGACATCAAAATCATGGCGTCTCAAGGC  
ACCAAACGATCTTACGAACAGATGGAGACTGATGGAGAACGCCAGAATGCCACTGAAATC  
AGAGCATCCGTCGGA AAAAATGATTGGTGGAATTGGACGATTCTACATCCAAATGTGCACC  
GAACTCAACTCAGTGATTATGAGGGACGGTTGATCCAAAACAGCTTAACAATAGAGAGA  
ATGGTGCTCTCTGCTTTTGACGAAAGGAGAAATAAATACCTTGAAGAACATCCCAGTGCG  
GGGAAGGATCCTAAGAAAACCTGGAGGACCTATATACAGGAGAGTAAACGGAAAGTGGATG  
AGAGAACTCATCCTTTATGACAAAGAAGAAATAAGGCGAATCTGGCGCCAAGCTAATAAT  
GGTGACGATGCAACGGCTGGTCTGACTCACATGATGATCTGGCATTCCAATTTGAATGAT  
GCAACTTATCAGAGGACAAGAGCTCTTGTTCGCACCGGAATGGATCCTAGGATGTGCTCT  
CTGATGCAAGGTCAACTCTCCCTAGGAGGTCTGGAGCCGAGGTGCTGCAGTCAAAGGA  
GTTGGAACAATGGTGATGGAATTTGGTACAGATGATCAAAACGTGGGATCAATGATCGGAAC  
TTCTGGAGGGGTGAGAATGGACGAAAAACAAGAATTGCTTATGAAAGAATGTGCAACATT  
CTCAAAGGGAAATTTCAAACCTGCTGCACAAAAGCAATGATGGATCAAGTGAGAGAGAGC  
CGGAACCCAGGGAATGCTGAGTTTCAAGATCTCACTTTTCTAGCACGGTCTGCACTCATA  
TTGAGAGGGTTCGGTTGCTCACAAGTCTGCCTGCCTGCCTGTGTGATGGACCTGCCGTA  
GCCAGTGGGTACGACTTTTGAAAGGGAGGGATACTCTAGTCGGAATAGACCCTTTCAGA  
CTGCTTCAAAACAGCCAAGTGTACAGCCTAATCAGACCAAATGAGAATCCAGCACACAAG  
AGTCAACTGGTGTGGATGGCATGCCATTCTGCCGCAATTTGAAGATCTAAGAGTATTAAGC  
TTCATCAAAGGGACGAAGGTGCTCCCAAGAGGGAAGCTTTCCACTAGAGGAGTTCAAATT  
GCTTCCAATGAAAATATGGAGACTATGGAATCAAGTACACTTGAAGTGAAGCAGGTAC  
TGGGCCATAAGGACCAGAAGTGGAGGAAACACCAATCAACAGAGGGCATCTGCGGGCCAA  
ATCAGCATACAACCTACGTTTCTCAGTACAGAGAAATCTCCCTTTTGACAGAACAACCAAT  
ATGGCAGCATTCAATGGGAATACAGAGGGGAGAACATCTGACATGAGGACCGAAATCATA  
AGGATGATGGAAGTGCAAGACCAGAAGATGTGTCTTTCCAGGGGCGGGGAGTCTTCGAG  
CTCTCGGACGAAAAGGCAGCGAGCCCCGATCGTGCCTTCCCTTTGACATGAGTAATGAAGGA  
TCTTATTTCTTCGGAGACAATGCAGAGGAGTACGACAATTAAGAAAAAATACCCTTGTTT  
CTACT

>gi|60752|gb|V01085|Influenza A virus (A/Aichi/2/68) gene for haemagglutinin, genomic RNA

AGCAAAAGCAGGGGATAATTCTATTAATCATGAAGACCATCATTGCTTTGAGCTACATTT  
TCTGTCTGGCTCTCGGCCAAGACCTTCCAGGAAATGACAACAGCACAGCAACGCTGTGCC  
TGGGACATCATGCGGTGCCAAACGGAACACTAGTGAACAATCACAGATGATCAGATTG  
AAGTGACTAATGCTACTGAGCTAGTTTCAAGAGCTCCTCAACGGGGAAAAATATGCAACAATC  
CTCATCGAATCCTTACCTGGAATAGACTGCACACTGATAGATGCTCTATTGGGGACCCCTC  
ATTGTGATGTTTTTCAAATAGACATGGGACCTTTTCGTTGAACGCAGCAAAAGCTTTCA  
GCAACTGTTACCCTTATGATGTGCCAGATTATGCCTCCCTTAGGTCACTAGTTGCCTCGT  
CAGGCACTCTGGAGTTTATCACTGAGGGTTTCACTTGGACTGGGGTCACTCAGAATGGGG  
GAAGCAATGCTTGCAAAAAGGGGACCTGGTAGCGGTTTTTTCAGTAGACTGAACTGGTTGA  
CCAAATCAGGAAGCACATATCCAGTGCTGAACGTGACTATGCCAAACAATGACAATTTTG  
ACAAACTATACATTTGGGGGATTACCAACCCGAGCAGCAACCAAGAACAAACCAGCTGT  
ATGTTCAAGCATCAGGGAGAGTACAGTCTCTACCAGGAGAAGCCAGCAAACTATAATCC  
CGAATATCGGGTCCAGACCCTGGGTAAGGGGTCTGTCTAGTAGAATAAGCATCTATTGGA  
CAATAGTTAAGCCGGGAGACGTACTGGTAATTAATAGTAATGGGAACCTAATCGCTCCTC  
GGGGTTATTTCAAATGCGCACTGGGAAAAGCTCAATAATGAGGTCAGATGCACCTATTG  
ATACCTGTATTTCTGAATGCATCACTCCAAATGGAAGCATTTCCCAATGACAAGCCCTTTC

AAAACGTAAACAAGATCACATATGGAGCATGCCCAAGTATGTAAAGCAAAACACCCTGA  
AGTTGGCAACAGGGATGCGGAATGTACCAGAGAAACAACTAGAGGCCTATTCGGCGCAA  
TAGCAGGTTTTCATAGAAAATGGTTGGGAGGGAATGATAGACGGTTGGTACGGTTTCAGGC  
ATCAAAATTTCTGAGGGCACAGGACAAGCAGCAGATCTTAAAGCACTCAAGCAGCCATCG  
ACCAAAATCAATGGGAAATTGAACAGGGTAATCGAGAAGACGAACGAGAAATTCATCAAA  
TCGAAAAGGAATTTCTCAGAAGTAGAAGGGAGAATTCAGGACCTCGAGAAATACGTTGAAG  
ACACTAAAATAGATCTCTGGTCTTACATGCGGAGCTTCTTGTCGCTCTGGAGAATCAAC  
ATACAATTGACCTGACTGACTCGGAAATGAACAAGCTGTTTGAACCAAGGAGGCAAC  
TGAGGGAAAATGCTGAAGAGATGGGCAATGGTTGCTTCAAAATATACCACAAATGTGACA  
ACGCTTGATAGAGTCAATCAGAAATGGTACTTATGACCATGATGTATACAGAGACGAAG  
CATTAACAACCGGTTTCAGATCAAAGGTGTTGAACTGAAGTCTGGATACAAAGACTGGA  
TCCTGTGGATTTCCTTTGCCATATCATGCTTTTGGCTTTGTGTTGTTTGGCTGGGGTTCA  
TCATGTGGGCCTGCCAGAGAGGCAACATTAGGTGCAACATTTGCATTTGAGTGTATTAGT  
AATTAACCAACACCCTTGTCTTACT

>gi|60754|gb|V01086|Influenza A virus (A/Victoria/3/1975(H3N2)) gene for hemagglutinin, genomic RNA  
AGCAAAAGCAGGGGATAATTCTATTAACCATGAAGACTATCATTGCTTTGAGCTACATTT  
TCTGTCTGGTTTTTCGCCCAAGACCTTCCAGGAAATGACAACAACAGCACAGCAACGCTGT  
GCCTGGGACATCATGCGGTGCCAAACGGAACGCTAGTGAACCAATCACGAATGATCAGA  
TTGAAGTGACTAATGCTACTGAGCTGGTTCAGAGTTCCTCAACGGGTAAAATATGCAACA  
ATCCTCATGAATCCTTGATGGAATAAACTGCACACTGATAGATGCTCTATTGGGGGACC  
CTCATTGTGATGGATTTCAAAATGAGAAATGGGACCTTTTCGTTGAACGCAGCAAAAGCTT  
TCAGCAACTGTTACCCTTATGATGTGCCAGATTATGCCTCCCTTAGGTCACTAGTTGCCT  
GGTCAGGCACTCTGGAGGTTTATCAATGAAGGCTTCAATTGGAAGTGGGGTCACTCAAGATG  
GGGGAAGCAGTGCTTGCAAAAGAGGACCTGATAGCGGTTTTTTCAGTAGACTGAACTGGT  
TGTACAAATCAGGAAGCACATATCCAGTGCAAAACGTGACCATGCCAAACAATGACAATT  
CTGACAAACTATACATTTGGGGGGTTTACCACCCGAGCACGGACAAAGAACAAACCAACC  
TATATGTTCAAGCATCAGGGAAAAGTCACAGTCTCCACCAAGAGAAGCCAGCAAACTATAA  
TCCCGAATGTCGGGTCTAGACCCTGGGTAAGGGGTCTGTCTAGTAGAATAAGCATCTATT  
GGACAATAGTTAAACCGGGAGACATACTGGTAATTAATAGTAATGGGAACCTAATTGCTC  
CTCGGGGTTACTTCAAAATGCGCACTGGGAAAAGCTCAATAATGAGGTCAGATGCACCTA  
TTGGCACCTGCAGCTCTGAATGCATCACTCCAAATGGAAGCATTCCCAATGACAAGCCCT  
TTCAAAACGTAAACAAGATCACATATGGGGCATGTCCCAAGTATGTTAAGCAAAACACTC  
TGAAGTTGGCAACAGGGATGCGGAATGTACCAGAGAAACAACTAGAGGCATATTCGGCG  
CAATAGCAGGTTTCATAGAAAATGGTTGGGAGGGAATGATAGACGGTTGGTACGGTTTCA  
GGCATCAAAATTCGAGGGCACAGGACAGCAGCAGATCTTAAAGCACTCAAGCAGCCA  
TCGACCAATCAATGGGAACTGAATAGGGTAATCGAGAAGACGAACGAGAAATTCATC  
AAATCGAAAAGGAATTCTCAGAAGTAGAAGGGAGAATTACAGGACCTCGAGAAATACGTTG  
AAGACACTAAAATAGATCTCTGGTCTTACAATGCGGAGCTTCTTGTCGCTCTGGAGAACC  
AACATACAATTGATCTGACTGACTCGGAAATGAACAACTGTTTGAACCAAGGAGGC  
AACTGAGGGAAAATGCTGAGGACATGGGCAATGGTTGCTTCAAAATATACCACAAATGTG  
ACAATGCTTGCTAATAGGTCAATCAGAAATGGTACTTATGACCATGATGTATACAGAGACG  
AAGCATTAACAACCGGTTTCAGATCAAAGGTGTTGAACTGAAGTCAGGATACAAAGACT  
GGATCCTGTGGATTTCCTTTGCCATATCATGCTTTTGGCTTTGTGTTGTTTGGCTGGGGT  
TCATCATGTGGGCCTGCCAAAAGGCAACATTAGGTGCAACATTTGCATTTGAGTGTATT  
AGTAATTAACCAACACCCTTGTCTTACT

>gi|60756|gb|V01087|Hemagglutinin gene of influenza virus strain A/duck/Ukraine/1/63  
AGCAAAAGCAGGGGATACTTTTATTAATCATGAAGACCGTTATTGCTTTAAGCTACATTC  
TCTGTCTGACTTTTCGGACAGGACCTCCCAGGGAATGACAACAGTACAGCAACACTGTGCC  
TGGGGCACCATGCAAGTGCCGAATGGGACAATAGTGAAGACAATCACAGATGATCAGATTG  
AGGTGACTAATGCTACTGAGCTAGTTCAAAGCTCCTCAACAGGGAAAATATGCAACAATC  
CTCAGAGGATTTGATGGAAGGGCCTGCACATTAATAGATGCTCTACTGGGGGATCCTC  
ATTGCGATGTCTTTCAAAATGAGACGTGGGACCTTTTTTGTGGAGCGAAGCAATGCTTTCA  
GCAACTGTTACCCTTATGATATACCAGATTATGCATCCCTTAGGTCCCTAGTTGCCTCAT  
CAGGCACATTGGAGTTCATCACTGAGGGTTTACCTGGACAGGAGTAACTCAGAATGGAG  
GGAGCAGTGCTTGCAAAAGAGGACCTGCTAACGGTTTCTCAGTAGACTGAACTGGTTGA  
CTAAATCAGAAAGCGCATACCCAGTGCTGAACGTGACTATGCCAAATAATGACAATTTTG  
ACAAACTATACATCTGGGGAGTACACCACCCGAGCACAATCAAGAACAACCAACCTGT  
ATGTTCAAGCATCAGGGAGAGTCACAGTCTCTACCAGGAGAAGTCAGCAGACTATAATCC  
CGAATATTGGATCTAGACCCTGGGTAAGGGGCCAGCCTGGCAGAATAAGCATCTATTGGA  
CAATAGTTAAACCTGGGGACGTGCTGGTAATCAACAGTAATGGAACCTAATCGCTCCTC  
GGGGTTACTTCAAGATGCGCACTGGGAAAAGCTCAATAATGAGGTGAGATGCACCTATTG  
ACACCTGTATCTCTGAGTGCATCACTCCAAATGGAAGCATTCCCAATGACAAGCCCTTCC  
AAAATGTAAACAAGATCACATACGAGCATGTCCCAAGTATGTTAAGCAGAACACCCTGA  
AGTTGGCAACAGGGATGCGGAATGTACCAGAGAAACAAACCAGAGGCCTATTCGGTGCAA  
TAGCAGGTTTTATAGAAAATGGATGGGAGGGAATGATAGATGGCTGGTATGGCTTCAGGC  
ATCAAAATTTCTGAGGGTACAGGACAAGCAGCAGACCTTAAAGCACTCAGGCAGCCATTG  
ACCAAAATCAATAGGAAATTGAACAGAGTGATTGAAAAGACGAATGAGAAGTTCCATCAAA  
TCGAAAAGGAATTTCCGAAGTAGAAGGGAGGATTACAGGACCTTGAGAAATACGTTGAAG  
ACACGAAAATAGATCTCTGGTCTTACAATGCGGAACCTTCTTGGCTTCCCTAGAGAATCAGC  
ATACAATCGATCTGGCTGATTGAGAAATGAACAAATATTTGAAAAAACAGGAGGCAAC  
TGAGGGAAAATGCTGAAGACATGGGCAATGGTTGTTTCAAGATATACCACAAATGTGACA  
ATGCTTGATAGAGTCAATTAGAAACGGGACTTATGATCATGATATATACAGAGACGAGG  
CATTGAACAACCGGTTCCAGATCAAAGGTGTGAACTAAAATCTGGATACAAAGACTGGA  
TCCTGTGGATTTCCTTTGCCATATCATGCCCTTTGCTTTGTGTTGTTTGGCTGGGGTTCA

TTATGTGGGCTGCCAGAGAGGCAACATTAGGTGCAACATTTGCATTTGAGTATACTAAT  
GATTA AAAACACCC TTGTTTCTACT

>gi|60758|gb|V01089|Influenza A virus (A/Memphis/102/72(H3N2)) gene for hemagglutinin, genomic RNA

CAAGACTTTCCAGGAAATGACAACAGCACAGCAACGCTGTGCCTGGGACATCATGCGGTG  
CCAAACGGAACACTAGTGA AAAACAATCACA AATGATCAGATTGAAGT GACTAATGCTACT  
GAGCTGGTT CAGAGTTCTCTCAACGGGG AAAATATGCAACAATCCTCATCGAATCCTTGAT  
GGAATAGACTGCACACTGATAGATGCTCTATTGGGGGACCCCTATTGTGATGGCTTTCAA  
AATGAGACATGGGACCTTTTCGTTGAACGCAGCAAAGCTTTCAGCAACTGTTACCCTTAT  
GATGTGCCAGATTATGCCTCCCTTAGGTTACTAGTTGCCTCGTCAGGCACTTTGGAGTTT  
ATCAATGAAGGCTTCACTTTGACTGGGGTCACTCAGAATGGGGGAAGCAATGCTTGCAAAA  
AGGGGACCTGATAGCGGTTTTTCAGTAGACTGAACTGGTTGTACAAATCAGGAAGCACA  
TATCCAGTGTCAAATGGAAGCATTTGCCAATGCAAACAATGACAATTTTGACAAACTATACATTTGG  
GGGGTTTACCACCCGAGCACGGACCAAGAACAACCCAGCCTATATGTTCAAGCATCAGGG  
AGAGTCACAGTCTCTACCAAGAGAAGCCAGCAA ACTATAATCCC GAATATCGGGTCTAGA  
CCCTGGGTAAAGGGGTCA GTCTAGTAGAATAAGCATCTATTGGACAATAGTTAAACCGGGA  
GACATACTGGTAATTAATAGTAATGGGAACCTAATTGCTCCTCGGGGTATTTCAA AATG  
CGCACTGGGAAAAGCTCAATAATGAGGT CAGATGCACCTATTGGCACCTGCATTCTGAA  
TGCATCACTCCAAATGGAAGCATTTCCCAATGACAAGCCCTTTCAA AACGTAAACAAGATC  
ACATATGGGGCATGTCCCAAGTATGTTAAGCAAAACACCCTGAAGTTGGCAACAGGGATG  
CGGAATGTACCAGAAAACGAACTAGAGGCCTATTTCGCGCAATAGCAGGTTTCATAGAA  
AATGGTTGGGAGGG AATGATAGACGGTTGGTACGGTTTCAGGCATCAA AATCTGAGGGC  
ACAGGACAAGCAGCAGATCTTAAAGCACTCAAGCAGCCATCGACCAAATCAATGGGAAA  
CTGAATAGGGTAATCGAGAAGCAGAACGAGAAATTCCATCAAATCGAAAAGGAATTCTCA  
GAAGTAGAAGGGAGAATTCAGGACCTCGAGAAATACGTTGAAGACACTAAAATAGATCTC  
TGGTCTTACAATGCGGAGCTTCTTGTCGCTCTGGGGAACCAACATACAATTGATCTGACT  
GACTCGGAAATGAACAACTGTTTGAAAAACAAGGAGGCAACTGAGGAAAAATGCTGAG  
GACATGGGCAATGGTTGCTTCAA AATATACCACAAATGTGACAATGCTTG CATAGGGTCA  
ATCAGAAATGGGACTTATGACCATGATGTATACAGAGACGAAGCATTAACAACCGGTTT  
CAGATCAAAGGTGTTGAAC TGAAGTCAGGATACAAAGACTGGATCCTGTGGATTTCC TTT  
GCCATATCATGCTTTTTGCTTTGTGTAGTTTGTGTTGGGTTTCATCATGTGGGCCTGCCAG  
AAAGGCAACATTAGGTGCAACATTTGCATTTGA

>gi|60760|gb|V01090|Influenza virus neuraminidase gene fragment (N-terminal portion)

AGCAAAAGCAGGAGATTAAAATGAATCCAAATCAGAAAATAATAACCATTGGATCAATCT  
GTATGGTAGTCGGAATAATTAGCCTAATATTGCAAATAGGGAATATTATCTCAATATGGA  
TTAGCCATTCAATTCAAACTGGAAGTCAAAACCATACTGGAATATGCAACCATAGCATCA  
TTACCTATAAAAATAGCACCTGGGTTAATCAAACATATGTTAATATTAGCAACACAAACG  
TTGTTGCTGGAAGGACACAACCTTCAATGATATTAGCCGGCAATTCA

>gi|60762|gb|V01091|Influenza A virus (A/Memphis/102/72(H3N2)) neuraminidase gene fragment (N-terminal portion)

AGCAAAAGCAGGAGTGAAGATGAATCCAAATCAAAGATAATAACAATTGGCTCTGTCTC  
TCTCACCATTGCAACAATATGCTTTCTCATGCAGATTGCCATGCTGGTAACTACTGTAAC  
ATTGCATTTC AAGCAATATGAGTGGCAGTCCCCCGGAACAACCAAGTAACGCTGTGTGA  
ACCAATAATAATAGAAAGGAACATAACAGAGATAGTGCATTTGACCAACACCACCATAGA  
GAAAGAGATATGCCCCAAATTAGTGGAATACAGGAATTGGTCAAAGCCGCAA

>gi|60764|gb|V01092|Influenza virus neuraminidase gene fragment (N-terminal portion)

AGCAAAAGCAGGNCGAAGATGAATCCAAATCAGAAGATAATAACAATCGGGTAGTGAAC  
ACTACTCTATCAACAATTAGCCCTTCTCATTGGAGTGGGAAATCTGGTTTTC AACACAGTC  
ATACATGAGAAAATAGGGAATCACCAAAACAGTGATTACCCAACAATAACGACTCCTGCA  
GTACCAAACTGCAGTGACACTATAATAACATACAACAACACTGTGATAAACAACATAACA  
ACAACAATAAATACTGAAGCGGAAAGGCTTTTAAAGCCTCCACTGCCGCTATGCCCTTCC

>gi|60766|gb|V01093|Influenza A virus (A/turkey/Ontario/6118/68(H8N5)) partial neuraminidase gene

AGCAAAAGCAGGNGTTTCATAATGAATCCAAATCAGAAAATCATAACCATCGGTAGTGCG  
AGTATTGTATTAAACAACAATAGGGTTGCTCCTCCCGATAACAAGTTTATGCTCAATATGG  
TTTAGCCATTACAACCAAGGGACCCAACCGCATGAACAAGCCTGTTTCGACAACACAACGA  
ATTACTATAAATGAGACCTTTGTCAATGTCACCAATGTGCAGAACAACTATACCACAATA  
ATCGACCCTCAGCCCCC

>gi|60768|gb|V01094|Influenza A virus (A/Shearwater/Australia/1972(H6N5)) partial gene for neuraminidase, genomic RNA

AGCAAAAGCAGGGGTTTTAAATGAATCCAAATCAGAAAATAATAACAATTGGCTCAGCAT  
CGTTGGGATTAGTCATTTTCAACATTCTTCTCATGGGGCATCAATAACCTGGGGGAACAA  
TATCAGTAACCAAAGACAACAAAGTACATATCTGTAATACGACCGAGGCGTANAACGAAA  
CGGCGAGAGCGGAAAAAGTGGTAATCCCN GTCAACAACACCATACATT CGAATCATGAGC  
CAGAATTCCTCAACAACACGGAACCTCTCNGTGATGTATCGGGATT CGCCATCGTTTCCA  
ACGGACACGGGACAAGAACAGGTCAAGAGGGCACACATTCG

>gi|60770|gb|V01095|Influenza virus neuraminidase gene fragment (N-terminal portion)

AGCAAAAGCAGGNTGAAGATGAATCCAAATCAGAAGATAATATGCATCTCAGCAACAGGA  
ATGACACTATCCGTAGTAAAGTCAGCTAATAGGATTGGCCAACTTGGGTCTGAACATTGGG  
CTTCATTTCAAGGTAGGAGAAACACCAGAAATAGGAACCCCCAGCGTCAACGAGACAAAC  
TCCACAACCACGATAATCAACTACAATACTCAAAAACAATTCACAAATGTGACCAATATT  
GTGTTAATCAAAGAAGAAGACGAGATGTTACGAACCTTTCAA AACCTTGTGTGAAGTA  
AACTCATGGCACATCTTATCNAGGACA

>gi|60772|gb|V01097|Influenza A virus (A/black duck/Australia/702/78(H3N8)) partial neuraminidase gene

AGCAAAAGCAGGNGTTTAAATGAACCCAAATCAGAAAATAATAACCATTGGGTCCGTAT  
CCTTAGGATTGGTATGCCTTGATATTCTACTACACATAATTAGCATTACAATAACAGTGT  
TAGGACTCCATAAAAACGGAACAAACGGAGATGCAATGAGACAGTCATTAGGGGAAGACA  
ATGAGACCGTGAGGATTGAAAAGGTAACCAATGGCACAATACCAATGTCATTGAGTATA



TAGAGAAATTAGAGGGTGATCATTTTCATGAACAATACAGAACCATTTGTGTCATGCTAAGG  
GTTTTGCCCTTTTTTCCAAGGATAAC

>gi|60774|gb|X00027|Influenza A virus (A/USSR/90/1977(H1N1)) hemagglutinin gene HA1 region  
ATGAAAGCAAACTACTGGTCCTGTTATGTGCACTTTCAGTACAGATGCAGACACAATA  
TGTATAGGCTACCATGCGAACAACTCAACCGACACTGTTGACACAGTACTCGAAAAGAAC  
GTGACAGTGACACACTCTGTCAACCTACTTGAGGACAGTCACAACGGAAAACTATGCAGA  
CTAAAAGGAATAGCCCCACTACAATTAGGGAAATGCAACATTGCCGGATGGATCTTAGGA  
AACCCAGAATGCGAATCACTGTTTTCTAAGAAATCATGGTCCTACATTGCAGAAACACCA  
AACTCCGAGAATGGAACATGTTACCCAGGATATTTGCGCCGACTATGAGGAATTGAGGGAG  
CAATTGAGCTCAGTATCATTCGAGAGATTGCAAATATTTCCCAAGGAAAGATCATGG  
CCCCAACACAACGTAAACCAGAGGCGTAACGGCATCATGCTCCCATAGGGGAAAAAGCAGT  
TTTAGAGAAATTTGGCTATGGCTGACGGAGGAAAAATGGCTCGTACCCAAATCTGAGCAAG  
TCCTATGTGAACAACAAAGAGAAAGAAGTCTTGTACTATGGGGTGTTTCATCACCCGTCT  
AACATAGAGGACCAAAAGACCATCTATCGGAAAGAAAAATGCTTATGTCTCTGTAGTGTCT  
TCAAATTATAACAGGAGATTACACCCAGAAATAGCAGAAAGACCCAAAGTAAGAGGTCAA  
GCAGGGAGAATTAATACTACTTGGACTCTGCTGGAACCCGGGGACACAATAATTTTGTAG  
GCAAAATGGAATCTAATAGCGCCATGGCATGCTTTTCGCACTGAATAGAGGCTTTGGGTCA  
GGAATCATCACCTCAAACGCAATCGATGGATGAATGTGACACGAAGTGTCAAACNCCCCAG  
GGAGCTATAAACAGTAGTCTTCTTTCCAGAAATATACACCCAGTCACAATAGGGGAGTGC  
CCAAAATACGTCAGGAGTACAAAATTGAGGATGGTTACAGGACTAAGGAACATCCCATCC  
ATTCAATCCAGAGGTCTGTTTGGAGCCATTGCCGGTTTCATTGA

>gi|58576|gb|X52226|Influenza A virus (A/FPV/Rostock/34(H7N1)) gene for neuraminidase, genomic RNA  
AGTAGAAACAAGGAGTTTTTTTGAACAACTACTTGTCATGGTGAATGGCAACTACGCA  
CCGTCTGGCCAAGACCAACCTACAGTATCGCTGTTACACCCACAGAAGGAAATGCTGCTC  
CCACTAGTCCAGATCGTATTGTGGTTGGGCGTCCCCTGATCAGTTCAACCCAGAAACAA  
GGCCTCATGCAGTCCAACCTGTAAATCAGGGTGTGGACGAACTCCCGCTATATCCC  
GACCAATCAGTTATTGCTACAATATCTTGCTTACAGAGAACTGCTGTCAAGTTTCTGTCT  
CATCCATTGGGATCCCAATCATCTCAAACCCGCTTCTGGAAGTGTGCTTTTGGTTCTC  
CCTATCCAAACACCATTAACATACTTAAATGAGAACCCTTTATCCCATATGCTCCATTA  
GAAGACACTGGACCACAGCTGCCTGTTCCATCATTGGGTCTGGATTATCACCAAAAAACC  
CCACTGCAGATGTAACCTATTTGATAATCAAGGTTTTTATTGAAAGACACCCATGGTCGA  
TTCGAACCATGCCAATTATCCCTGCATACACATTACTTCACTGCATCAGGATAACAA  
GAACATTCCTCGTAGTGGTAATTAGGTGCATTTAATTCACCTTGATTGACTACCTTCCCC  
TTTTCTATCTTGAATTTTGTACGAGGCTGCCCTTACTTGGGCCATCGGTCATTATA  
GTGAACATGAACCATTTTATACAGGCACATTCAGACTCTTGCGTTCTCAATATGTTATT  
TTCCAACCTTTGATGGTGTCTGTTATTATACCATTTGATTTTAATACAGCCACTGCTCCA  
TTATCTGGACCAGAAATTCGATTGTTAGCCAACCCATGCCATCATGGCAGGCACTTGCT  
GACCATGCAACCGACAGAACCTTGAAATTGTAGGGAGAAAGAGCTTCACCAACAGGACAG  
CTCATCAAGGTTCTATAAGGGCTTCTGTCTTAAACGGTTCCATTTGAGTGTGTTGTCATTC  
AACAAGGCGCCTGAGTACGAAAAAAGGTCTGCATTCCAAGTGAGAGCATGAAATAAAT  
GGCTCTCTTATGACCAATACGTTCTCCTTTGGAGCCAATTCTTATACCATTTGTCTTTACTG  
TATATAGCCACCCACTAATGGGACAAAGAGAGGAATTGCCTGCTAGTGCCACTGAAGCT  
GCATCCTGTCCAGCAATGCTTGGGTTGCATGCTTCATGGTGATTTGATTTTCAGTCTGA  
ATTGAATGACTAACCACATTGAGATTATGTTTCCAATTTGTAATATTAGGCTGATTATT  
CCGATCCCCATACAGATTGACCCAATGGTTATTATTTCTGATTGGATTCAATTTGAAC  
TCCTGCTTTTGCG

>gi|59292|gb|X53029|Influenza A virus (A/USSR/90/1977(H1N1)) genes for matrix proteins 1 and 2, genomic RNA  
AGTAGAAACAAGGTAGTTTTTTACTCTAGCTCTATGTTGACAAAATGACTATCGTCAGCA  
TCCACAGCATTTCTGCTGTTCCCTTCGATATTCTCCCTCATAGACTCTGGTACTCCTTCC  
GTAGAAGGCCCTCTTTTCAGACCGTGTTTAAAGAGACGATAAATGCATTTGAAAAAAGA  
CGATCAAGAATCCACAATATCAAGTGCAAAATCCCAATGATACTTGGCGCAACAACAAGA  
GGATCACTTGAAATCGTTGCATCTGCACCCCATTCGTTTCTGATAGGCCTGCAAAATTTTC  
AAGAAGATCATTTTTTCAGACCAGCACTGGAGCTAGGATGAGTCCAATGGCTCTCATTGC  
CTGCACCATTTGCTGCGCTGACTAGCAACCTCCATGGCCTCTGCTGCTTGTCTACTCGA  
TCCAGCCATTGCTCCATAGCCTTAGCTGTAGTGTGGCCAGAACCATTCTGTTCTCATG  
TCTTATTAGTGGATTGGTTGTTGTCACCATTTGCCTATGAGACCTATGCTGGGAGTCAGC  
AATCTGTTACAGGTTGCGCATATCAGGCCAAATGCCGCTTCGGTGGTCACAGCCCCCAT  
CCTGTTGTATATGAGGCCCATACAACCTGGCAAGTGCAACAGCAGAATAACTGAGTGCTAT  
TTCTTTGGCCCCATGGAATGTTATCTCCCTCTTAAGCTTTCTATACAGTTTAACTGCTCT  
GTCCATGTTATTTGGATCCCCATTCCCATTAAGGGCATTTTGGACAAAGCGTCTACGCTG  
CAGTCCTCGCTCACTGGGCACGGTGAGCGTGAACACAAATCCTAAAAATCCCCTTAGTCAG  
AGGTGACAGGATTGGTCTTGTCTTTAGCCATTCCATGAGAGCCTCAAGATCGGTGTTCTT  
CCCAGCAAAGACATCTTCAAGTCTCTGTGCGATCTCGGCTTTGAGGGGGCCTGACGGGAC  
GATAGAGAGAACGTACGTTTCGACCTCGGTTAGAAGACTCATCTTTCAACATCTACCTGC  
TTTTGCG

>gi|59294|gb|X59778|Influenza A virus (A/NIB/4/1988(H1N1)) gene for polyprotein, genomic RNA  
GAATTCAGTCCATCCCCCTTCAATGAAACCGCAATGGCTCCAAACAAACCTCTGGATT  
GAATGGATGGGATGTTCTCTTAGTCTGTAAACATCCTTAATTTTGTACTCCTGACATACT  
TTGGACACTCTCCTATTGTGACTGGGTGTACATTCTGGAAAGGAAGACTACTGTTTATAG  
CTCCCTGGGGTGTTTGTACTTTCGCGTCACATTTCATCCATTGATGCGTTTGTAGGTGATGA  
TTCCTGACCCAAAGCCTCTACTCAGTGCGAAAGCATACCATGGCGCTATTAGATTTCAT  
TTGCCTCAAATATTATTGTGTCCCCGGGTTCCAGCAGAGTCCAGTAGTAGTTAATCTTC  
CTTCTTGATCTCTTACTTTGGGTCTTTTTGCTATTTCTGGGGTGAATCTCCTGCTATAAT  
GTGAAGACACTACAGAGACATAAGCATTTTCTGTATGATAGATGGCCCTTTGGTCCCCCTA

TGTTAGACGGGTGATGAACACCCCATAGTACAAGGACTTCTTTCTCTTTGTTGTTTACAT  
AGGACTTGCTCAGATTTGGGTACAAGCCATTCTTCTCCGTCAGCCATAGCAAATTTCTGT  
AAAAACTGCTTTTCCCATTATGGGAGCATGATGCCGTTACTCCCTTGGTTACGGTGTGGT  
TGGGCCATGAGCTTTCTTCGGGGAATATTTCAATCCCTCGAATGATGATACTGAACTCA  
ATTGCTCCCTCAGTTCCTCATAGTCGGCGAAATACCCTGGGTAACATGTTCCATTCTCGG  
AGTTTGGTGTTTCTGCAATGTAGGACCATGATTCCCTTAGAAAAACAGTGATTTCGCATTCTG  
GGTTTCCTAAGATCCATCCGGCAATGCTGCAATTACCCAATTGTAGTGGGGCTATTCTTT  
TTAGTCGACATAGTTTTCTGTTGTGACTGTCTCAAGTAGGTTGACAGAGTGTGTCACTG  
TCACGTTCTTCTCAAGTACTGTGTCAACAGTGTTCGGTTGAGTTGTTTCGCATGGTAGCCTA  
TACATATTGTGTCTGCATCTGTAGCTGTAAATGCACATAACAGGATCG

>gi|59296|gb|X66320|Influenza A virus (A/Chile/1/1983(H1N1)) gene for PB1 polymerase  
AGTAGAAACAAGGCATTTTTTACGAAGGACAAGCCAAATTCCTATTTTTGCCGTCTGA  
GTTCTTCAATGGTGGAACAGATCTTCATGATCTCAGTGAACCTCTTCTTTATCCTTC  
CAGATTGCAAAATCAATCCGTGCATCAATTCGGGCTCTGGAAATCATAGCCTCTACCATAC  
TGGATATTCCGACTGGTCTTCTGTATGAACTGTGGGGAAGAATTTTCAAATAAATTGC  
AGCACCTCTGATACATTTGTTTCATCCTCAAGTATTTCCCTTTGGCTCGTATTCAAGATGG  
ATCGATTCTTTTTGGGGACCCAGGAGTGTGTTGTTGCAACAGCATCATACTCCATAATTT  
TGGCTGGACCATGTGCCGGCATCATCACTGCATTGTTCACTGATTCAATCTCTTTATGAC  
TGACAAATGGGTTCATGGGTTGCATAAACGCCCCTGGTAATCCTCATCCATCAAATCCC  
ATTTCAAGCAGACTTCAGGAATGTGGAGATTCTAATGTTGTACAAATTAGGACCTCCAT  
CAGAGACCAGCAGCCAGTTTGGAAACGGGTTTGATCCACAGTTTCTTTATTTCAAATG  
ATCTTCGGGTTTGTATTTGTGTGTACCTCTGTGGCATCGATATGTGTACCTGTAATCTT  
TGATGAATAACTGAAGGGCCATTTGAGCGGTTGCTGGACCAAGATCATTGTTTATCATAT  
TGTTTTTGATGACAGTGACTCCAATACTCATGTCTGCAGACTCGTTGATCCAGACACCC  
CAAAACTGGGAAGCTCCATGCTGAAATTGGCAACAAACCCATAACGATAGAAAAAACTCG  
TGAATTCAAAAGTACCTGTTCTGTTTATGTAGGACTTTTTCTTGCTCATGTTGATTCCGA  
GCAGCTTACAGGTTTCGATAAAACCTGTCAACTCCAGCTTGAATTCCTGCATAGTTGGGTG  
CATTCACAATCAGAGCAAAATCATCAGACGATTGAAGACCATCCCACCAGTAAGTAGTCT  
TGGTGTATCTCTTTTGTCCAAGATTCAAGATGAGGACGCCCCAATACAGTGCTTAACATAT  
TGAACATGCCCATCATCATTCAGGGCTCAGTGATGCAGTTCCATCTATTAAGAGTGGCC  
GGATTTTTTCAATTTCTTTCTTGTGTAATCATTGAAATACCTCAAATCGATGTTTGCTA  
GCATTTCTGCAGGTATTGAGTTCTAAGTTTCATACTCTTGCTTTCAAACATGTACCCCT  
TACCTAGTCTCGCCATTTGTTTGAGAACATTATTGGAGCAATACTTAGAATATTTCTGA  
ACCATTGGGCTGATTTCTGTTATATATGTGATCATGGCCAAAAACATTCTAGGGTTCT  
GATTTTCGTTCCATTGGGTGG

>gi|60457|gb|X08088|Influenza A virus (A/WSN/33) ORF1 RNA for M1 protein and ORF2 RNA for M2 protein, genomic RNA  
TTACTCCAGCTCTATGTTGACAAAATGACCATCGTCAACATCCACAGCATTCTGTGTTC  
CTTTCGATATTCTCCCTCATAGACTCTGGCACTCCTTCCGTAGAAGGCCCTCTTTTCAA  
ACCGTATTTAAAGCGACGATAAATGCATTTGAAAAAAGACGATCAAGAATCCACAATAT  
CAAGTGCAAGATTCCAATGATATTGCTGCAATGACGAGAGGATCACTGAATCGTTGCA  
TCTGCACCCCATTCGTTCTGTATAGGCCTGCAAATTTTCAAGAAGATCATCTTTTAGAC  
CAGCACTGGAGCTAGGATGAGTCCCAATGGTTCTCATCGCCTGCACCATTGCTGCGCT  
GACTAGCAATATCCATGGCCTCTGCTGCTTGCTCACTCGATCCAGCCATTTGCTCCATAG  
CCTTAGCTGTAGTGCTGGCTAGAACCATTCTGTTCTCATGTCTGATTAGTGGATTAGTTG  
TTGTCACCATTTGCCTATGAGACCGATGCTGGGAGTCAGCAATCTGTTACAGGTTGCGC  
ATACCAGGCCAAATGCCACTTCAGTGGTACAGCCCCCATCCTGTTGTATATGAGGCCCA  
TACAACTGGCAAGTGACACCAGCAGAATAACTGAGTGCTATTTCTTTGGCCCCATGGAATG  
TTATCTCCCTCTTAAGCTTCTCTATACAGTTTAACTGCTTTGTCCATGTTATTTGGATCTC  
CGTTCCCATTAAGAGCATTTTGGACAAAGCGTCTACGCTGCAGTCCCCGCTCACTGGGCA  
CGGTGAGCGTGAACACAAATCCTAAATCCCCTTAGTCAGAGGTGACAGGATTGGTCTTG  
TCTTTAGCCATTCCATGAGAACCTCAAGATCGGTGTTCTTCCCTGCAAAGACATCTTCAA  
GTCTCTGTGCGATCTCGGCTTTGAGGGGGCCTGACGGGACGATAGAGAGAACGTACGTTT  
CGACCTCGGTTAGAAGACTCAG