

Swine N1, NA, 32 sequences

gi|29539577|gb|AF342820| /Human/6 (NA)/H1N1/USA/1998/// Influenza A virus (A/Wisconsin/10/98 (H1N1))
neuraminidase gene, complete cds
gi|149785308|gb|CY022319| /Swine/6 (NA)/H1N1/USA/1985/// Influenza A virus (A/swine/Iowa/1/1985(H1N1))
segment 6, complete sequence
gi|149785259|gb|CY022327| /Swine/6 (NA)/H1N1/USA/1985/// Influenza A virus (A/swine/Iowa/3/1985(H1N1))
segment 6, complete sequence
gi|149785187|gb|CY022335| /Swine/6 (NA)/H1N1/USA/1988/// Influenza A virus (A/swine/Iowa/17672/1988(H1N1))
segment 6, complete sequence
gi|149785128|gb|CY022431| /Swine/6 (NA)/H1N1/USA/1988/// Influenza A virus
(A/swine/Wisconsin/1915/1988(H1N1)) segment 6, complete sequence
gi|149785055|gb|CY022471| /Swine/6 (NA)/H1N1/USA/1987/// Influenza A virus (A/swine/Kansas/3228/1987(H1N1))
segment 6, complete sequence
gi|149784975|gb|CY022479| /Swine/6 (NA)/H1N1/USA/1991/// Influenza A virus
(A/swine/Maryland/23239/1991(H1N1)) segment 6, complete sequence
gi|152963533|gb|CY022972| /Swine/6 (NA)/H1N1/USA/1988/// Influenza A virus (A/swine/Iowa/31483/1988(H1N1))
segment 6, complete sequence
gi|156536563|gb|CY024927| /Human/6 (NA)/H1N1/USA/1988/// Influenza A virus (A/Ohio/3559/1988(H1N1))
segment 6, complete sequence
gi|156536599|gb|CY025012| /Swine/6 (NA)/H1N1/USA/1987/// Influenza A virus (A/swine/Kansas/3024/1987(H1N1))
segment 6, complete sequence
gi|158525300|gb|CY027157| /Swine/6 (NA)/H1N1/USA/1991/// Influenza A virus (A/swine/Iowa/24297/1991(H1N1))
segment 6, complete sequence
gi|158958062|gb|CY027509| /Swine/6 (NA)/H1N1/USA/1985/// Influenza A virus (A/swine/Iowa/2/1985(H1N1))
segment 6, complete sequence
gi|166203493|gb|CY028782| /Swine/6 (NA)/H1N1/USA/1991/// Influenza A virus
(A/swine/California/T9001707/1991(H1N1)) segment 6, complete sequence
gi|208400883|gb|CY035072| /Swine/6 (NA)/H1N1/USA/1990/// Influenza A virus (A/swine/Memphis/1/1990(H1N1))
segment 6, complete sequence
gi|229807657|gb|CY039919| /Swine/6 (NA)/H1N1/USA/1988/// Influenza A Virus
(A/swine/Wisconsin/1915/1988(H1N1)) segment 6, complete sequence
gi|229809517|gb|CY039927| /Swine/6 (NA)/H1N1/USA/1988/// Influenza A Virus
(A/swine/Indiana/1726/1988(H1N1)) segment 6, complete sequence
gi|76574375|gb|DQ145538| /Swine/6 (NA)/H3N1/USA/2004/// Influenza A virus
(A/swine/Minnesota/00395/2004(H3N1)) neuraminidase gene, complete cds
gi|75756553|gb|DQ150427| /Swine/6 (NA)/H3N1/USA/2004/// Influenza A virus (A/swine/MI/PU243/04 (H3N1))
neuraminidase (NA) gene, complete cds.
gi|75756569|gb|DQ150435| /Swine/6 (NA)/H3N1/USA/2004/// Influenza A virus (A/swine/IN/PU542/04 (H3N1))
neuraminidase (NA) gene, complete cds.
gi|112456255|gb|DQ889687| /Human/6 (NA)/H1N1/USA/2005/// Influenza A virus (A/Iowa/CEID23/2005(H1N1))
neuraminidase (NA) gene, complete cds
gi|114215300|gb|DQ923508| /Swine/6 (NA)/H3N1/South Korea/2006/// Influenza A virus (A/swine/Korea/PZ72-
1/2006(H3N1)) neuraminidase (NA) gene, complete cds
gi|157168467|gb|EU139837| /Swine/6 (NA)/H1N1/USA/1999/// Influenza A virus
(A/swine/Minnesota/37866/1999(H1N1)) neuraminidase (NA) gene, complete cds
gi|188572591|gb|EU409949| /Swine/6 (NA)/H1N1/USA/2007/// Influenza A virus (A/swine/Ohio/24366/07(H1N1))
neuraminidase (NA) gene, complete cds
gi|188572593|gb|EU409956| /Swine/6 (NA)/H1N1/USA/2004/// Influenza A virus (A/swine/Ohio/75004/04(H1N1))
neuraminidase (NA) gene, complete cds
gi|188572595|gb|EU409961| /Swine/6 (NA)/H1N1/USA/2006/// Influenza A virus (A/swine/Ohio/C62006/06(H1N1))
neuraminidase (NA) gene, complete cds

gi|189313200|gb|EU735788| /Avian/6 (NA)/H1N1/USA/1988/// Influenza A virus (A/turkey/NC/19762/1988(H1N1)) neuraminidase (NA) gene, complete cds.
gi|193877859|gb|EU743153| /Avian/6 (NA)/H1N1/USA/1990/// Influenza A virus (A/turkey/IA/10271-3/1990(H1N1)) segment 6 neuraminidase (NA) gene, complete cds.
gi|193877841|gb|EU743161| /Avian/6 (NA)/H1N1/USA/1992/// Influenza A virus (A/turkey/IA/21089-3/1992(H1N1)) segment 6 neuraminidase (NA) gene, complete cds.
gi|190403799|gb|EU798818| /Swine/6 (NA)/H1N1/South Korea/2004/// Influenza A virus (A/swine/Korea/CAN01/2004(H1N1)) segment 6 neuraminidase (NA) gene, complete cds
gi|190403801|gb|EU798819| /Swine/6 (NA)/H1N1/South Korea/2005/// Influenza A virus (A/swine/Korea/CAS08/2005(H1N1)) segment 6 neuraminidase (NA) gene, complete cds
gi|209164822|gb|FJ357106| /Avian/6 (NA)/H1N1/USA/1988/// Influenza A virus (A/turkey/NC/17026/1988(H1N1)) segment 6 neuraminidase (NA) gene, complete cds
gi|1399610|gb|U53166| /Human/6 (NA)/H1N1/USA/1994/// Influenza A virus (A/WI/4754/1994(H1N1)) neuraminidase (NA) mRNA, complete cds

Swine/Avian N1, EA, 47 sequences

gi|113531186|gb|AB271114| /Avian/6 (NA)/H1N1/Japan/1977/// Influenza A virus (A/duck/Miyagi/66/77(H1N1)) NA gene for neuraminidase, complete cds
gi|113531190|gb|AB271116| /Avian/6 (NA)/H1N1/Japan/1996/// Influenza A virus (A/duck/Hokkaido/55/96(H1N1)) NA gene for neuraminidase, complete cds
gi|113531194|gb|AB271118| /Avian/6 (NA)/H10N1/Hong Kong/1980/// Influenza A virus (A/duck/Hong Kong/938/80(H10N1)) NA gene for neuraminidase, complete cds.
gi|125490286|gb|AB292403| /Avian/6 (NA)/H3N1/Hong Kong/1980/// Influenza A virus (A/duck/Hong Kong/836/1980(H3N1)) NA gene for neuraminidase, complete cds.
gi|126149246|gb|AB294216| /Avian/6 (NA)/H6N1/Hong Kong/1979/// Influenza A virus (A/duck/Hong Kong/716/1979(H6N1)) NA gene for neuraminidase, complete cds.
gi|216409289|gb|AB434322| /Swine/6 (NA)/H1N1/Thailand/2005/// Influenza A virus (A/swine/Chonburi/NIAH589/2005(H1N1)) NA gene for neuraminidase, complete cds
gi|216409307|gb|AB434330| /Swine/6 (NA)/H1N1/Thailand/2005/// Influenza A virus (A/swine/Chachoengsao/NIAH587/2005(H1N1)) NA gene for neuraminidase, complete cds
gi|195183825|gb|AB450452| /Avian/6 (NA)/H11N1/Japan/1977/// Influenza A virus (A/duck/Miyagi/47/1977(H11N1)) NA gene for neuraminidase, complete cds.
gi|13260593|gb|AF250366| /Swine/6 (NA)/H1N1/United Kingdom/1992/// Influenza A virus (A/Swine/England/195852/92 (H1N1)) neuraminidase (NA) gene, complete cds
gi|18074944|gb|AJ410566| /Avian/6 (NA)/H6N1/Hong Kong/1977/// Influenza A virus genomic RNA for neuraminidase (na gene) strain A/duck/Hong Kong/175/77 (H6N1)
gi|18074946|gb|AJ410567| /Avian/6 (NA)/H6N1/Hong Kong/1977/// Influenza A virus genomic RNA for neuraminidase (na gene) strain A/duck/Hong Kong/202/77 (H6N1)
gi|20068202|gb|AJ410876| /Swine/6 (NA)/H1N1/Italy/1995/// Influenza A virus (swine/Italy/1424-4/95 (H1N1)) partial N1NA gene for Neuraminidase, genomic RNA
gi|20068208|gb|AJ410879| /Swine/6 (NA)/H1N1/Italy/1997/// Influenza A virus (swine/Italy/1492/97 (H1N1)) partial N1NA gene for Neuraminidase, genomic RNA
gi|20068210|gb|AJ410880| /Swine/6 (NA)/H1N1/Italy/1997/// Influenza A virus (swine/Italy/1509-6/97 (H1N1)) partial N1NA gene for Neuraminidase, genomic RNA
gi|20068212|gb|AJ410881| /Swine/6 (NA)/H1N1/France/1999/// Influenza A virus (swine/Cotes d'Armor/1488/99 (H1N1)) partial N1NA gene for Neuraminidase, genomic RNA
gi|20068214|gb|AJ410882| /Swine/6 (NA)/H1N1/France/1999/// Influenza A virus (swine/Ille et Vilaine/1455/99 (H1N1)) partial N1NA gene for Neuraminidase, genomic RNA
gi|20068218|gb|AJ410884| /Swine/6 (NA)/H1N1/France/1999/// Influenza A virus (swine/Cotes d'Armor/1515/99 (H1N1)) partial N1NA gene for Neuraminidase, genomic RNA
gi|20068220|gb|AJ412689| /Swine/6 (NA)/H1N1/France/1984/// Influenza A virus (A/swine/Finistere/3616/84(H1N1)) NAN1 gene for neuraminidase, genomic RNA

gi|20068222|gb|AJ412690| /Swine/6 (NA)/H1N1/Belgium/1983/// Influenza A virus (A/swine/Belgium/1/83(H1N1))
NAN1 gene for neuraminidase, genomic RNA

gi|20068224|gb|AJ412691| /Swine/6 (NA)/H1N1/Belgium/1985/// Influenza A virus (A/swine/Belgium/74/85(H1N1))
partial NAN1 gene for neuraminidase, genomic RNA

gi|20068226|gb|AJ412692| /Swine/6 (NA)/H1N1/France/1982/// Influenza A virus (A/swine/Lot/2979/82(H1N1))
NAN1 gene for neuraminidase, genomic RNA

gi|39840719|gb|AJ416626| /Avian/6 (NA)/H1N1/France/1987/// Influenza A virus (A/turkey/France/87075/87(H1N1))
N1 gene for neuraminidase, genomic RNA

gi|39840725|gb|AJ416629| /Avian/6 (NA)/H7N1/United Kingdom/1979/// Influenza A virus (A/African
starling/England/983/79(H7N1)) N1 gene for neuraminidase, genomic RNA

gi|37955282|gb|AY207527| /Avian/6 (NA)/H7N1/China/1992/// Influenza A virus (A/duck/Nanchang/1944/92(H7N1))
neuraminidase (NA) gene, complete cds

gi|37955296|gb|AY207534| /Avian/6 (NA)/H1N1/Japan/1977/// Influenza A virus (A/duck/Miyagil/9/77(H1N1))
neuraminidase (NA) gene, complete cds

gi|37955304|gb|AY207538| /Avian/6 (NA)/H7N1/South Africa/1992/// Influenza A virus (A/softbill/South
Africa/142/92(H7N1)) neuraminidase (NA) gene, complete cds

gi|37955308|gb|AY207540| /Avian/6 (NA)/H2N1/Germany/1981/// Influenza A virus (A/mallard/Stralsund/41-
6/81(H2N1)) neuraminidase (NA) gene, complete cds

gi|78097310|gb|CY005495| /Avian/6 (NA)/H7N1/China/1992/// Influenza A virus
(A/duck/Nanchang/1904/1992(H7N1)) segment 6, complete sequence

gi|78097598|gb|CY005607| /Avian/6 (NA)/H6N1/Hong Kong/1977/// Influenza A virus (A/chicken/Hong
Kong/17/1977(H6N1)) segment 6, complete sequence

gi|89789283|gb|CY009894| /Swine/6 (NA)/H1N1/Spain/2003/// Influenza A virus (A/Swine/Spain/50047/2003(H1N1))
segment 6, complete sequence

gi|91125699|gb|CY010574| /Swine/6 (NA)/H1N1/Spain/2003/// Influenza A virus (A/swine/Spain/51915/2003(H1N1))
segment 6, complete sequence

gi|91177892|gb|CY010582| /Swine/6 (NA)/H1N1/Spain/2004/// Influenza A virus (A/swine/Spain/53207/2004(H1N1))
segment 6, complete sequence

gi|85681812|gb|DQ349117| /Avian/6 (NA)/H5N1/China/2001/// Influenza A virus (A/chicken/Hebei/718/2001(H5N1))
neuraminidase (NA) gene, complete cds.

gi|117935804|gb|EF101756| /Human/6 (NA)/H1N1/Thailand/2005/07/14/ Influenza A virus
(A/Thailand/271/2005(H1N1)) neuraminidase gene, complete cds

gi|149212747|gb|EF443160| /Avian/6 (NA)/H3N1/India/1980/// Influenza A virus (A/duck/India/836/1980(H3N1))
neuraminidase (NA) gene, partial cds.

gi|152207624|gb|EU037015| /Swine/6 (NA)/H3N1/Italy/2006/// Influenza A virus (A/swine/Italy/66945/2006(H3N1))
segment 6 neuroaminidase (NA) gene, complete cds.

gi|195933628|gb|EU045388| /Swine/6 (NA)/H1N1/Italy/2004/// Influenza A virus (A/swine/Italy/53949/2004(H1N1))
neuraminidase (NA) gene, complete cds.

gi|195933630|gb|EU045389| /Swine/6 (NA)/H1N1/Italy/2004/// Influenza A virus (A/swine/Italy/65296/2004(H1N1))
neuraminidase (NA) gene, complete cds.

gi|195933632|gb|EU045393| /Swine/6 (NA)/H1N1/Italy/2004/// Influenza A virus (A/swine/Italy/247578/2004(H1N1))
neuraminidase (NA) gene, complete cds.

gi|163676445|gb|EU296600| /Swine/6 (NA)/H1N1/Thailand/2005/// Influenza A virus
(A/swine/Chonburi/NIAH589/2005(H1N1)) neuraminidase (NA) gene, complete cds

gi|163676447|gb|EU296602| /Swine/6 (NA)/H1N1/Thailand/2005/// Influenza A virus
(A/swine/Chachoengsao/NIAH587/2005(H1N1)) neuraminidase (NA) gene, complete cds

gi|163676449|gb|EU296604| /Swine/6 (NA)/H1N1/Thailand/2005/// Influenza A virus
(A/swine/Chonburi/05CB1/2005(H1N1)) neuraminidase (NA) gene, complete cds

gi|163676451|gb|EU296606| /Swine/6 (NA)/H1N1/Thailand/2006/// Influenza A virus
(A/swine/Chonburi/06CB2/2006(H1N1)) neuraminidase (NA) gene, complete cds

gi|210076638|gb|FJ415611| /Swine/6 (NA)/H1N1/China/2007/11/15/ Influenza A virus
(A/swine/Zhejiang/1/2007(H1N1)) segment 6 neuraminidase (NA) gene, complete cds

gi|211996957|gb|FJ432780| /Avian/6 (NA)/H1N1/Italy/2003/// Influenza A virus (A/goose/Italy/296426/2003(H1N1))
segment 6 neuraminidase (NA) gene, complete cds

gi|324441|gb|K02252| /Avian/6 (NA)/H7N1/Ireland/1973/// Influenza A virus (A/parrot/Ulster/1973(H7N1))
neuraminidase gene, complete cds
gi|227809833|gb|FJ966084| /Human/6 (NA)/H1N1/USA/2009/04/01/ Influenza A virus (A/California/04/2009(H1N1))
segment 6 neuraminidase (NA) gene, complete cds

Swine N2, EA, 25 sequences

gi|14275696|gb|AJ293923| /Human/6 (NA)/H3N2/Hong Kong/1999/// Influenza A virus (A/Hong
Kong/1774/99(H3N2)) na gene for neuraminidase, genomic RNA
gi|13661033|gb|AJ311455| /Swine/6 (NA)/H3N2/Belgium/1992/// Influenza A virus NA gene for Neuraminidase,
genomic RNA, strain A/Swine/Belgium/220/92
gi|20068244|gb|AJ412701| /Swine/6 (NA)/H1N2/Italy/1998/// Influenza A virus (A/swine/Italy/1521/98(H1N2)) partial
NAN2 gene for neuraminidase, genomic RNA
gi|20068246|gb|AJ412702| /Swine/6 (NA)/H1N2/France/1999/// Influenza A virus (A/swine/Cotes
d'Armor/604/99(H1N2)) NAN2 gene for neuraminidase, genomic RNA
gi|20068252|gb|AJ412705| /Swine/6 (NA)/H1N2/France/1997/// Influenza A virus (A/swine/Cotes
d'Armor/790/97(H1N2)) NAN2 gene for neuraminidase, genomic RNA
gi|164511470|gb|AM746617| /Swine/6 (NA)/H3N2/Germany/2006/// Influenza A virus (A/wild
boar/Germany/WS169/2006(H3N2)) N2 gene for neuraminidase, genomic RNA
gi|38154883|gb|AY363555| /Swine/6 (NA)/H3N2/Hong Kong/1999/// Influenza A virus (A/swine/Hong
Kong/5190/99(H3N2)) neuraminidase (NA) gene, partial cds.
gi|38154887|gb|AY363557| /Swine/6 (NA)/H3N2/Hong Kong/1999/// Influenza A virus (A/swine/Hong
Kong/5212/99(H3N2)) neuraminidase (NA) gene, partial cds.
gi|38154889|gb|AY363558| /Swine/6 (NA)/H3N2/Hong Kong/2000/// Influenza A virus (A/swine/Hong
Kong/7982/00(H3N2)) neuraminidase (NA) gene, partial cds.
gi|38154891|gb|AY363559| /Swine/6 (NA)/H3N2/Hong Kong/2001/// Influenza A virus (A/swine/Hong
Kong/9296/01(H3N2)) neuraminidase (NA) gene, partial cds.
gi|38154893|gb|AY363560| /Swine/6 (NA)/H3N2/Hong Kong/2001/// Influenza A virus (A/swine/Hong
Kong/9745/01(H3N2)) neuraminidase (NA) gene, partial cds.
gi|38154895|gb|AY363561| /Swine/6 (NA)/H3N2/Hong Kong/2002/// Influenza A virus (A/swine/Hong
Kong/1144/02(H3N2)) neuraminidase (NA) gene, partial cds.
gi|38154897|gb|AY363562| /Swine/6 (NA)/H3N2/Hong Kong/2002/// Influenza A virus (A/swine/Hong
Kong/1197/02(H3N2)) neuraminidase (NA) gene, partial cds.
gi|89148257|gb|CY009374| /Swine/6 (NA)/H3N2/Spain/2001/// Influenza A virus (A/swine/Spain/33601/2001(H3N2))
segment 6, complete sequence
gi|89148100|gb|CY009382| /Swine/6 (NA)/H3N2/Spain/2002/// Influenza A virus (A/swine/Spain/39139/2002(H3N2))
segment 6, complete sequence
gi|91177911|gb|CY010566| /Swine/6 (NA)/H3N2/Spain/2004/// Influenza A virus (A/swine/Spain/54008/2004(H3N2))
segment 6, complete sequence
gi|133981513|gb|CY020503| /Swine/6 (NA)/H3N2/Spain/2002/// Influenza A virus
(A/swine/Spain/42386/2002(H3N2)) segment 6, complete sequence
gi|117935802|gb|EF101743| /Human/6 (NA)/H1N2/Philippines/2004/02/24/ Influenza A virus
(A/Philippines/344/2004(H1N2)) neuraminidase gene, partial cds
gi|148628617|gb|EF409252| /Swine/6 (NA)/H3N2/Germany/1982/// Influenza A virus (A/swine/Potsdam/35/82(H3N2))
neuraminidase (NA) gene, complete cds
gi|148628642|gb|EF409254| /Swine/6 (NA)/H3N2/Germany/1992/// Influenza A virus
(A/swine/Leipzig/145/92(H3N2)) neuraminidase (NA) gene, complete cds
gi|148628679|gb|EF409256| /Swine/6 (NA)/H3N2/Germany/1996/// Influenza A virus (A/swine/Jena/5/96(H3N2))
neuraminidase (NA) gene, complete cds
gi|148628681|gb|EF409257| /Swine/6 (NA)/H3N2/Germany/1997/// Influenza A virus (A/swine/Lohne/1/97(H3N2))
neuraminidase (NA) gene, complete cds
gi|148628683|gb|EF409258| /Swine/6 (NA)/H3N2/Germany/1999/// Influenza A virus
(A/swine/Bakum/8602/99(H3N2)) neuraminidase (NA) gene, complete cds

gi|153957955|gb|EU053135| /Swine/6 (NA)/H1N2/Germany/2005/12/07/ Influenza A virus (A/swine/Doetlingen/IDT4735/2005(H1N2)) segment 6 neuraminidase gene, complete cds.
gi|153958061|gb|EU053143| /Swine/6 (NA)/H1N2/Germany/2005/12/13/ Influenza A virus (A/swine/Cloppenburg/IDT4777/2005(H1N2)) segment 6 neuraminidase gene, complete cds.

Human and Swine N2, NA, 81 sequences

gi|3722174|gb|AF038262| /Human/6 (NA)/H3N2/Japan/1996/// Influenza A virus H3N2 A/Niigata/137/96 neuraminidase (NA) gene, complete cds.
gi|5764326|gb|AF153237| /Swine/6 (NA)/H3N2/USA/1998/// Influenza A virus (A/Swine/Texas/4199-2/98 (H3N2)) neuraminidase gene, partial cds.
gi|5764328|gb|AF153238| /Swine/6 (NA)/H3N2/USA/1998/// Influenza A virus (A/Swine/Minnesota/9088-2/98 (H3N2)) neuraminidase gene, partial cds.
gi|8515427|gb|AF250126| /Swine/6 (NA)/H1N2/USA/1999/// Influenza A virus (A/Swine/Indiana/9K035/99 (H1N2)) neuraminidase (NA) gene, complete cds.
gi|9887131|gb|AF251404| /Swine/6 (NA)/H3N2/USA/1998/// Influenza A virus (A/Swine/Nebraska/209/98 (H3N2)) neuraminidase (NA) gene, complete cds.
gi|110734303|gb|AF251412| /Swine/6 (NA)/H3N2/USA/1999/// Influenza A virus (A/Swine/Iowa/533/99 (H3N2)) neuraminidase (NA) gene, complete cds.
gi|9887165|gb|AF251420| /Swine/6 (NA)/H3N2/USA/1999/// Influenza A virus (A/Swine/Iowa/569/99 (H3N2)) neuraminidase (NA) gene, complete cds.
gi|110734304|gb|AF251428| /Swine/6 (NA)/H3N2/USA/1999/// Influenza A virus (A/Swine/Minnesota/593/99 (H3N2)) neuraminidase (NA) gene, complete cds.
gi|19422108|gb|AF455691| /Swine/6 (NA)/H1N2/USA/2001/// Influenza A virus (A/Swine/Ohio/891/01(H1N2)) neuraminidase (NA) gene, complete cds.
gi|19422110|gb|AF455692| /Swine/6 (NA)/H1N2/USA/2001/// Influenza A virus (A/Swine/North Carolina/98225/01(H1N2)) neuraminidase (NA) gene, complete cds.
gi|19422112|gb|AF455693| /Swine/6 (NA)/H1N2/USA/2001/// Influenza A virus (A/Swine/North Carolina/93523/01 (H1N2)) neuraminidase (NA) gene, complete cds.
gi|19422114|gb|AF455694| /Swine/6 (NA)/H1N2/USA/2000/// Influenza A virus (A/Swine/Minnesota/55551/00 (H1N2)) neuraminidase (NA) gene, complete cds
gi|19422116|gb|AF455695| /Swine/6 (NA)/H1N2/USA/2001/// Influenza A virus (A/Swine/Iowa/930/01(H1N2)) neuraminidase (NA) gene, complete cds.
gi|19422118|gb|AF455696| /Swine/6 (NA)/H1N2/USA/2000/// Influenza A virus (A/Swine/Indiana/P12439/00 (H1N2)) neuraminidase (NA) gene, complete cds.
gi|19422120|gb|AF455697| /Swine/6 (NA)/H1N2/USA/2001/// Influenza A virus (A/Swine/Illinois/100085A/01 (H1N2)) neuraminidase (NA) gene, complete cds.
gi|19422122|gb|AF455698| /Swine/6 (NA)/H1N2/USA/2001/// Influenza A virus (A/Swine/Illinois/100084/01 (H1N2)) neuraminidase (NA) gene, complete cds.
gi|19848289|gb|AY038015| /Avian/6 (NA)/H1N2/USA/1999/// Influenza A virus (A/Turkey/MO/24093/99(H1N2)) neuraminidase (N2) gene, complete cds.
gi|24286064|gb|AY129157| /Swine/6 (NA)/H1N2/South Korea/2002/// Influenza A virus (A/Swine/Korea/CY02/02(H1N2)) neuraminidase (NA) mRNA, complete cds
gi|30522963|gb|AY233391| /Avian/6 (NA)/H1N2/USA/2001/// Influenza A virus (A/duck/NC/91347/01(H1N2)) neuraminidase (NA) gene, complete cds
gi|91127731|gb|CY010654| /Human/6 (NA)/H3N2/USA/1995/12/28/ Influenza A virus (A/New York/611/1995(H3N2)) segment 6, complete sequence
gi|91127765|gb|CY010662| /Human/6 (NA)/H3N2/USA/1995/12/19/ Influenza A virus (A/New York/612/1995(H3N2)) segment 6, complete sequence
gi|106896314|gb|CY010670| /Human/6 (NA)/H3N2/USA/1996/01/10/ Influenza A virus (A/New York/613/1996(H3N2)) segment 6, complete sequence
gi|109675452|gb|CY010678| /Human/6 (NA)/H3N2/USA/1995/12/28/ Influenza A virus (A/New York/618/1995(H3N2)) segment 6, complete sequence

gi|91129959|gb|CY010710| /Human/6 (NA)/H3N2/USA/1995/12/12/ Influenza A virus (A/New York/628/1995(H3N2)) segment 6, complete sequence

gi|131052319|gb|CY010726| /Human/6 (NA)/H3N2/USA/1995/12/08/ Influenza A virus (A/New York/634/1995(H3N2)) segment 6, complete sequence

gi|94959632|gb|CY010814| /Human/6 (NA)/H3N2/USA/1995/12/29/ Influenza A virus (A/New York/623/1995(H3N2)) segment 6, complete sequence

gi|109675460|gb|CY011434| /Human/6 (NA)/H3N2/USA/1996/02/16/ Influenza A virus (A/New York/624/1996(H3N2)) segment 6, complete sequence

gi|109675498|gb|CY011450| /Human/6 (NA)/H3N2/USA/1996/01/18/ Influenza A virus (A/New York/635/1996(H3N2)) segment 6, complete sequence

gi|109675536|gb|CY011466| /Human/6 (NA)/H3N2/USA/1996/01/03/ Influenza A virus (A/New York/641/1996(H3N2)) segment 6, complete sequence

gi|109914691|gb|CY011890| /Human/6 (NA)/H3N2/USA/1994/01/17/ Influenza A virus (A/New York/716/1994(H3N2)) segment 6, complete sequence

gi|110333423|gb|CY012218| /Human/6 (NA)/H3N2/USA/1995/12/18/ Influenza A virus (A/New York/639/1995(H3N2)) segment 6, complete sequence

gi|110629733|gb|CY012746| /Human/6 (NA)/H3N2/USA/1993/04/19/ Influenza A virus (A/New York/771/1993(H3N2)) segment 6, complete sequence

gi|110629771|gb|CY012762| /Human/6 (NA)/H3N2/USA/1993/03/20/ Influenza A virus (A/New York/777/1993(H3N2)) segment 6, complete sequence

gi|110733711|gb|CY012970| /Human/6 (NA)/H3N2/USA/1994/01/14/ Influenza A virus (A/New York/735/1994(H3N2)) segment 6, complete sequence

gi|112789112|gb|CY013679| /Human/6 (NA)/H3N2/USA/1993/04/19/ Influenza A virus (A/New York/784/1993(H3N2)) segment 6, complete sequence

gi|112789169|gb|CY013703| /Human/6 (NA)/H3N2/USA/1993/04/05/ Influenza A virus (A/New York/789/1993(H3N2)) segment 6, complete sequence

gi|112789321|gb|CY013767| /Human/6 (NA)/H3N2/USA/1993/03/10/ Influenza A virus (A/New York/799/1993(H3N2)) segment 6, complete sequence

gi|115521545|gb|CY016485| /Human/6 (NA)/H3N2/USA/1993/03/11/ Influenza A virus (A/New York/800/1993(H3N2)) segment 6, complete sequence

gi|84626339|gb|DQ335773| /Avian/6 (NA)/H3N2/USA/2004/// Influenza A virus (A/turkey/Ohio/313053/04(H3N2)) neuraminidase (NA) gene, complete cds

gi|94404613|gb|DQ469960| /Human/6 (NA)/H3N2/Canada/2005/// Influenza A virus (A/Ontario/RV1273/2005(H3N2)) neuraminidase (NA) gene, complete cds

gi|94404615|gb|DQ469968| /Swine/6 (NA)/H3N2/Canada/2005/// Influenza A virus (A/swine/Alberta/14722/2005(H3N2)) neuraminidase (NA) gene, complete cds

gi|94404617|gb|DQ469976| /Swine/6 (NA)/H3N2/Canada/2005/// Influenza A virus (A/swine/British Columbia/28103/2005(H3N2)) neuraminidase (NA) gene, complete cds

gi|94404619|gb|DQ469984| /Swine/6 (NA)/H3N2/Canada/2005/// Influenza A virus (A/swine/Manitoba/12707/2005(H3N2)) neuraminidase (NA) gene, complete cds

gi|94404621|gb|DQ469992| /Swine/6 (NA)/H3N2/Canada/2005/// Influenza A virus (A/swine/Ontario/33853/2005(H3N2)) neuraminidase (NA) gene, complete cds

gi|94404623|gb|DQ470000| /Avian/6 (NA)/H3N2/Canada/2005/// Influenza A virus (A/turkey/Ontario/31232/2005(H3N2)) neuraminidase (NA) gene, complete cds

gi|109501339|gb|DQ666935| /Swine/6 (NA)/H1N2/South Korea/2005/// Influenza A virus (A/swine/Korea/S11/2005(H1N2)) segment 6 neuraminidase gene, complete cds.

gi|146454451|gb|EF551047| /Avian/6 (NA)/H3N2/USA/2004/// Influenza A virus (A/turkey/Illinois/2004(H3N2)) segment 6 neuraminidase (NA) gene, complete cds.

gi|146454469|gb|EF551055| /Swine/6 (NA)/H3N2/USA/2003/// Influenza A virus (A/swine/North Carolina/2003(H3N2)) segment 6 neuraminidase (NA) gene, complete cds.

gi|146706474|gb|EF556200| /Swine/6 (NA)/H1N2/China/2006/// Influenza A virus (A/swine/Guangxi/13/2006(H1N2)) neuraminidase (NA) gene, complete cds.

gi|146706501|gb|EF556202| /Swine/6 (NA)/H1N2/China/2005/// Influenza A virus (A/swine/Guangxi/17/2005(H1N2)) neuraminidase (NA) gene, complete cds.

gi|146706526|gb|EF556204| /Swine/6 (NA)/H1N2/China/2005/// Influenza A virus (A/swine/Hainan/1/2005(H1N2)) neuraminidase (NA) gene, complete cds.

gi|157168469|gb|EU139838| /Swine/6 (NA)/H1N2/USA/2001/// Influenza A virus (A/swine/Minnesota/1192/2001(H1N2)) neuraminidase (NA) gene, partial cds

gi|157168473|gb|EU139840| /Swine/6 (NA)/H1N2/USA/2003/// Influenza A virus (A/swine/Minnesota/00194/2003(H1N2)) neuraminidase (NA) gene, partial cds

gi|157168475|gb|EU139841| /Swine/6 (NA)/H1N2/USA/2004/// Influenza A virus (A/swine/Kansas/00246/2004(H1N2)) neuraminidase (NA) gene, partial cds

gi|167996848|gb|EU301273| /Swine/6 (NA)/H3N2/South Korea/2004/// Influenza A virus (A/swine/Korea/JNS06/2004(H3N2)) segment 6 neuraminidase (NA) gene, complete cds

gi|187763983|gb|EU697206| /Avian/6 (NA)/H3N2/USA/2005/// Influenza A virus (A/turkey/Minnesota/366767/2005(H3N2)) neuraminidase (NA) gene, complete cds

gi|189313124|gb|EU735820| /Avian/6 (NA)/H3N2/USA/2004/// Influenza A virus (A/turkey/OH/313053/2004(H3N2)) neuraminidase (NA) gene, complete cds

gi|189313105|gb|EU735828| /Avian/6 (NA)/H3N2/USA/2005/// Influenza A virus (A/turkey/NC/353568/2005(H3N2)) neuraminidase (NA) gene, complete cds

gi|193877760|gb|EU743212| /Avian/6 (NA)/H3N2/USA/2005/// Influenza A virus (A/turkey/MN/366767/2005(H3N2)) segment 6 neuraminidase (NA) gene, complete cds.

gi|190403803|gb|EU798820| /Swine/6 (NA)/H1N2/South Korea/2004/// Influenza A virus (A/swine/Korea/Hongsong2/2004(H1N2)) segment 6 neuraminidase (NA) gene, complete cds

gi|190403805|gb|EU798821| /Swine/6 (NA)/H1N2/South Korea/2005/// Influenza A virus (A/swine/Korea/JL01/2005(H1N2)) segment 6 neuraminidase (NA) gene, complete cds

gi|190403807|gb|EU798822| /Swine/6 (NA)/H1N2/South Korea/2005/// Influenza A virus (A/swine/Korea/JL02/2005(H1N2)) segment 6 neuraminidase (NA) gene, complete cds

gi|190403809|gb|EU798823| /Swine/6 (NA)/H1N2/South Korea/2005/// Influenza A virus (A/swine/Korea/JL04/2005(H1N2)) segment 6 neuraminidase (NA) gene, complete cds

gi|190403811|gb|EU798824| /Swine/6 (NA)/H1N2/South Korea/2006/// Influenza A virus (A/swine/Korea/Asan04/2006(H1N2)) segment 6 neuraminidase (NA) gene, complete cds

gi|190403813|gb|EU798825| /Swine/6 (NA)/H1N2/South Korea/2006/// Influenza A virus (A/swine/Korea/PZ4/2006(H1N2)) segment 6 neuraminidase (NA) gene, complete cds

gi|190403815|gb|EU798826| /Swine/6 (NA)/H1N2/South Korea/2006/// Influenza A virus (A/swine/Korea/PZ7/2006(H1N2)) segment 6 neuraminidase (NA) gene, complete cds

gi|190403817|gb|EU798827| /Swine/6 (NA)/H1N2/South Korea/2006/// Influenza A virus (A/swine/Korea/PZ14/2006(H1N2)) segment 6 neuraminidase (NA) gene, complete cds

gi|190403819|gb|EU798828| /Swine/6 (NA)/H1N2/South Korea/2007/// Influenza A virus (A/swine/Korea/CY08/2007(H1N2)) segment 6 neuraminidase (NA) gene, complete cds

gi|190403821|gb|EU798829| /Swine/6 (NA)/H3N2/South Korea/2004/// Influenza A virus (A/swine/Korea/CAS05/2004(H3N2)) segment 6 neuraminidase (NA) gene, complete cds

gi|190403823|gb|EU798830| /Swine/6 (NA)/H3N2/South Korea/2005/// Influenza A virus (A/swine/Korea/CAN04/2005(H3N2)) segment 6 neuraminidase (NA) gene, complete cds

gi|190403825|gb|EU798831| /Swine/6 (NA)/H3N2/South Korea/2005/// Influenza A virus (A/swine/Korea/CAS07/2005(H3N2)) segment 6 neuraminidase (NA) gene, complete cds

gi|190403827|gb|EU798832| /Swine/6 (NA)/H3N2/South Korea/2006/// Influenza A virus (A/swine/Korea/CAS09/2006(H3N2)) segment 6 neuraminidase (NA) gene, complete cds

gi|190403829|gb|EU798833| /Swine/6 (NA)/H3N2/South Korea/2007/// Influenza A virus (A/swine/Korea/CY04/2007(H3N2)) segment 6 neuraminidase (NA) gene, complete cds

gi|190403831|gb|EU798834| /Swine/6 (NA)/H3N2/South Korea/2007/// Influenza A virus (A/swine/Korea/CY05/2007(H3N2)) segment 6 neuraminidase (NA) gene, complete cds

gi|190403833|gb|EU798835| /Swine/6 (NA)/H3N2/South Korea/2007/// Influenza A virus (A/swine/Korea/CY07/2007(H3N2)) segment 6 neuraminidase (NA) gene, complete cds

gi|190403835|gb|EU798836| /Swine/6 (NA)/H3N2/South Korea/2007/// Influenza A virus (A/swine/Korea/CY09/2007(H3N2)) segment 6 neuraminidase (NA) gene, complete cds

gi|190403837|gb|EU798837| /Swine/6 (NA)/H3N2/South Korea/2007/// Influenza A virus (A/swine/Korea/CY10/2007(H3N2)) segment 6 neuraminidase (NA) gene, complete cds

gi|192382741|gb|EU826544| /Swine/6 (NA)/H3N2/Canada/2005/07/12/ Influenza A virus (A/swine/Quebec/4001/2005(H3N2)) segment 6 neuraminidase (NA) gene, complete cds
gi|209486611|gb|FJ374514| /Swine/6 (NA)/H1N2/China/2007/03/24/ Influenza A virus (A/swine/Shanghai/1/2007(H1N2)) segment 6 neuraminidase (NA) gene, complete cds
gi|3721971|gb|U71142| /Human/6 (NA)/H3N2/Japan/1995/// Influenza A virus H3N2 A/Shiga/20/95 neuraminidase (NA) gene, complete cds.
gi|3721973|gb|U71143| /Human/6 (NA)/H3N2/Japan/1995/// Influenza A virus H3N2 A/Miyagi/29/95 neuraminidase (NA) gene, complete cds.

Swine and Human N1'2, EA, 27 sequences

gi|4585174|gb|AF091316| /Swine/4 (HA)/H1N1/Belgium/1983/// Influenza A virus (A/swine/Belgium/1/83(H1N1)) segment 4 hemagglutinin precursor (HA) mRNA, complete cds.
gi|14275690|gb|AJ293920| /Human/1 (PB2)/H3N2/Hong Kong/1999/// Influenza A virus (A/Hong Kong/1774/99(H3N2)) pb2 gene for polymerase subunit 2, genomic RNA
gi|14275694|gb|AJ293922| /Human/3 (PA)/H3N2/Hong Kong/1999/// Influenza A virus (A/Hong Kong/1774/99(H3N2)) pa gene for polymerase A, genomic RNA
gi|14275698|gb|AJ293924| /Human/5 (NP)/H3N2/Hong Kong/1999/// Influenza A virus (A/Hong Kong/1774/99(H3N2)) np gene for nucleoprotein, genomic RNA
gi|14275703|gb|AJ293926| /Human/4 (HA)/H3N2/Hong Kong/1999/// Influenza A virus (A/Hong Kong/1774/99(H3N2)) partial ha gene for haemagglutinin, genomic RNA
gi|20068042|gb|AJ307065| /Swine/5 (NP)/H1N2/France/1997/// Influenza A virus (A/swine/Cotes d'Armor/790/97(H1N2)) NP gene for nucleoprotein, genomic RNA
gi|20068046|gb|AJ307067| /Swine/5 (NP)/H1N2/Italy/1998/// Influenza A virus (A/swine/Italy/1521/98(H1N2)) NP gene for nucleoprotein, genomic RNA
gi|20068060|gb|AJ307074| /Swine/5 (NP)/H1N2/France/1999/// Influenza A virus (A/swine/Cotes d'Armor/604/99(H1N2)) NP gene for nucleoprotein, genomic RNA
gi|20068068|gb|AJ311206| /Swine/3 (PA)/H1N2/Italy/1998/// Influenza A virus (A/swine/Italy/1521/98(H1N2)) partial PA gene for polymerase subunit, genomic RNA
gi|20068070|gb|AJ311207| /Swine/3 (PA)/H1N2/France/1997/// Influenza A virus (A/swine/Cotes d'Armor/790/97(H1N2)) partial PA gene for polymerase subunit, genomic RNA
gi|13661047|gb|AJ311462| /Swine/2 (PB1)/H1N1/France/1982/// Influenza A virus PB1 gene for Polymerase 1 protein, genomic RNA, strain A/Swine/Finistere/2899/82
gi|13661049|gb|AJ311463| /Swine/3 (PA)/H1N1/France/1982/// Influenza A virus PA gene for Polymerase A protein, genomic RNA, strain A/Swine/Finistere/2899/82
gi|20068083|gb|AJ312836| /Swine/3 (PA)/H1N1/France/1999/// Influenza A virus (A/swine/Ile et Vilaine/1455/99(H1N1)) PA gene for polymerase subunit, genomic RNA
gi|20068087|gb|AJ312838| /Swine/3 (PA)/H1N2/France/1999/// Influenza A virus (A/swine/Cotes d'Armor/604/99(H1N2)) PA gene for polymerase subunit, genomic RNA
gi|18074896|gb|AJ410542| /Avian/4 (HA)/H6N1/Hong Kong/1977/// Influenza A virus genomic RNA for haemagglutinin (ha gene) strain A/duck/Hong Kong/175/77 (H6N1)
gi|18074900|gb|AJ410544| /Avian/4 (HA)/H6N1/Hong Kong/1977/// Influenza A virus genomic RNA for haemagglutinin (ha gene) strain A/duck/Hong Kong/202/77 (H6N1)
gi|164511468|gb|AM746616| /Swine/4 (HA)/H3N2/Germany/2006/// Influenza A virus (A/wild boar/Germany/WS169/2006(H3N2)) H3 gene for hemagglutinin, genomic RNA
gi|164511474|gb|AM746619| /Swine/5 (NP)/H3N2/Germany/2006/// Influenza A virus (A/wild boar/Germany/WS169/2006(H3N2)) NP gene for nucleoprotein, genomic RNA
gi|24286062|gb|AY129156| /Swine/4 (HA)/H1N2/South Korea/2002/// Influenza A virus (A/Swine/Korea/CY02/02(H1N2)) hemagglutinin (HA) mRNA, complete cds
gi|24286069|gb|AY129159| /Swine/5 (NP)/H1N2/South Korea/2002/// Influenza A virus (A/Swine/Korea/CY02/02(H1N2)) nucleoprotein (NP) mRNA, complete cds
gi|24286087|gb|AY129161| /Swine/3 (PA)/H1N2/South Korea/2002/// Influenza A virus (A/Swine/Korea/CY02/02(H1N2)) polymerase acidic protein 2 (PA) mRNA, complete cds

gi|24286096|gb|AY129162| /Swine/2 (PB1)/H1N2/South Korea/2002/// Influenza A virus (A/Swine/Korea/CY02/02(H1N2)) polymerase subunit 1 (PB1) mRNA, complete cds
gi|24286100|gb|AY129163| /Swine/1 (PB2)/H1N2/South Korea/2002/// Influenza A virus (A/Swine/Korea/CY02/02(H1N2)) polymerase subunit 2 (PB2) mRNA, complete cds
gi|325088|gb|M76608| /Swine/5 (NP)/H1N1/USA/1988/// Influenza A virus (A/swine/Wisconsin/1915/1988(H1N1)) nucleoprotein mRNA, complete cds.
gi|1912380|gb|U49091| /Swine/5 (NP)/H1N1/China/1991/// Influenza A virus (A/swine/Beijing/94/1991(H1N1)) nucleoprotein (NP) mRNA, complete cds.
gi|1399602|gb|U53162| /Human/4 (HA)/H1N1/USA/1994/// Influenza A virus (A/WI/4754/1994(H1N1)) hemagglutinin (HA) mRNA, complete cds
gi|1399604|gb|U53163| /Human/4 (HA)/H1N1/USA/1994/// Influenza A virus (A/WI/4755/1994(H1N1)) hemagglutinin (HA) mRNA, complete cds