Swine H3, EA, 15 sequences

------------------------
gi|125490284|gb|AB292402| /Avian/4 (HA)/H3N1/Hong Kong/1980/// Influenza A virus (A/duck/Hong Kong/836/1980(H3N1)) HA gene for haemagglutinin, complete cds.
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

Human and Swine/Avian H3, NA, 54 sequences

------------------------
gi|9887129|gb|AF251403| /Swine/4 (HA)/H3N2/USA/1998/// Influenza A virus (A/Swine/Nebraska/209/98 (H3N2)) hemagglutinin (HA) gene, complete cds.
gi|9887146|gb|AF251411| /Swine/4 (HA)/H3N2/USA/1999/// Influenza A virus (A/Swine/Iowa/533/99 (H3N2)) hemagglutinin (HA) gene, complete cds.
gi|9887163|gb|AF251419| /Swine/4 (HA)/H3N2/USA/1999/// Influenza A virus (A/Swine/Iowa/569/99 (H3N2)) hemagglutinin (HA) gene, complete cds.
gi|110632007|gb|AF251427| /Swine/4 (HA)/H3N2/USA/1999/// Influenza A virus (A/Swine/Minnesota/593/99 (H3N2)) hemagglutinin (HA) gene, complete cds.
gi|18073259|gb|AJ252132| /Swine/4 (HA)/H3N2/Germany/1982/// Influenza A virus ha gene for heamagglutinin, strain A/swine/Potsdam/35/82 (H3N2)

Horse and Swine/Avian H3, NA, 54 sequences

------------------------
gi|133981346|gb|CY020501| /Swine/4 (HA)/H3N2/Spain/2002// Influenza A virus (A/swine/Spain/42386/2002(H3N2)) segment 4, complete sequence

Sheep and Swine/Avian H3, NA, 54 sequences

------------------------
gi|148626830|gb|EF409247| /Swine/4 (HA)/H3N2/Germany/1992/// Influenza A virus (A/swine/Leipzig/145/92(H3N2)) hemagglutinin (HA) gene, complete cds

Pig and Avian H3, NA, 54 sequences

------------------------
gi|38154813|gb|AY363520| /Swine/4 (HA)/H3N2/Hong Kong/1999/// Influenza A virus (A/swine/Hong Kong/5200/99(H3N2)) hemagglutinin (HA) gene, partial cds.
gi|38154823|gb|AY363525| /Swine/4 (HA)/H3N2/Hong Kong/2002/// Influenza A virus (A/swine/Hong Kong/1144/02(H3N2)) hemagglutinin (HA) gene, partial cds.

Swine H3, NA, 54 sequences

------------------------
gi|89148252|gb|CY009372| /Swine/4 (HA)/H3N2/Spain/2001/// Influenza A virus (A/swine/Spain/33601/2001(H3N2)) segment 4, complete sequence

Swine H3, EA, 15 sequences

------------------------
gi|89148095|gb|CY009380| /Swine/4 (HA)/H3N2/Spain/2002/// Influenza A virus (A/swine/Spain/39139/2002(H3N2)) segment 4, complete sequence

Swine H3, EA, 15 sequences

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gi|9887163|gb|AF251419| /Swine/4 (HA)/H3N2/USA/1999/// Influenza A virus (A/Swine/Iowa/569/99 (H3N2)) hemagglutinin (HA) gene, complete cds.

Swine H3, NA, 54 sequences

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gi|148626779|gb|EF409248| /Swine/4 (HA)/H3N2/Germany/1996/// Influenza A virus (A/swine/Jena/5/96(H3N2)) hemagglutinin (HA) gene, complete cds.

Swine H3, EA, 15 sequences

------------------------
gi|148626807|gb|EF409247| /Swine/4 (HA)/H3N2/Germany/1992/// Influenza A virus (A/swine/Leipzig/145/92(H3N2)) hemagglutinin (HA) gene, complete cds

Swine H3, EA, 15 sequences

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gi|133981346|gb|CY020501| /Swine/4 (HA)/H3N2/Spain/2002/// Influenza A virus (A/swine/Spain/42386/2002(H3N2)) segment 4, complete sequence

Swine H3, EA, 15 sequences

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gi|133981346|gb|CY020501| /Swine/4 (HA)/H3N2/Spain/2002/// Influenza A virus (A/swine/Spain/42386/2002(H3N2)) segment 4, complete sequence

Swine H3, EA, 15 sequences

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Swine H3, EA, 15 sequences

------------------------

gi|94404593|gb|DQ470002| /Avian/4 (HA)/H3N2/Canada/2005/// Influenza A virus (A/turkey/Ontario/31232/2005(H3N2)) hemagglutinin (HA) gene, complete cds
gi|114215296|gb|DQ923506| /Swine/4 (HA)/H3N1/South Korea/2006/// Influenza A virus (A/swine/Korea/PZ72-1/2006(H3N1)) hemagglutinin (HA) gene, complete cds
gi|114215298|gb|DQ923507| /Swine/4 (HA)/H3N1/South Korea/2006/// Influenza A virus (A/swine/Korea/CN22/2006(H3N1)) hemagglutinin (HA) gene, complete cds
gi|14645447|gb|EF551045| /Avian/4 (HA)/H3N2/USA/2004/// Influenza A virus (A/turkey/Illinois/2004(H3N2)) segment 4 hemagglutinin (HA) gene, complete cds.
gi|14645446|gb|EF551053| /Swine/4 (HA)/H3N2/USA/2003/// Influenza A virus (A/swine/North Carolina/2003(H3N2)) segment 4 hemagglutinin (HA) gene, complete cds.
gi|166080176|gb|EU301209| /Swine/4 (HA)/H3N2/South Korea/2005/// Influenza A virus (A/swine/Korea/JNS06/2004(H3N2)) hemagglutinin (HA) gene, complete cds.
gi|187763979|gb|EU697204| /Avian/4 (HA)/H3N2/USA/2005/// Influenza A virus (A/turkey/Minnesota/366767/2005(H3N2)) hemagglutinin (HA) gene, complete cds
gi|189313119|gb|EU735818| /Avian/4 (HA)/H3N2/USA/2004/// Influenza A virus (A/turkey/OH/313053/2004(H3N2)) hemagglutinin (HA) gene, complete cds
gi|189313100|gb|EU735826| /Avian/4 (HA)/H3N2/USA/2005/// Influenza A virus (A/turkey/NC/353568/2005(H3N2)) hemagglutinin (HA) gene, complete cds
gi|193877755|gb|EU743210| /Avian/4 (HA)/H3N2/USA/2005/// Influenza A virus (A/turkey/MN/366767/2005(H3N2)) segment 4 hemagglutinin (HA) gene, complete cds.
gi|190403720|gb|EU798789| /Swine/4 (HA)/H3N2/South Korea/2004/// Influenza A virus (A/swine/Korea/CAS05/2004(H3N2)) segment 4 hemagglutinin (HA) gene, complete cds
gi|190403722|gb|EU798790| /Swine/4 (HA)/H3N2/South Korea/2005/// Influenza A virus (A/swine/Korea/CAN04/2005(H3N2)) segment 4 hemagglutinin (HA) gene, complete cds
gi|190403724|gb|EU798791| /Swine/4 (HA)/H3N2/South Korea/2005/// Influenza A virus (A/swine/Korea/CAS07/2005(H3N2)) segment 4 hemagglutinin (HA) gene, complete cds
gi|190403726|gb|EU798792| /Swine/4 (HA)/H3N2/South Korea/2006/// Influenza A virus (A/swine/Korea/CAS09/2006(H3N2)) segment 4 hemagglutinin (HA) gene, complete cds
gi|190403728|gb|EU798793| /Swine/4 (HA)/H3N2/South Korea/2007/// Influenza A virus (A/swine/Korea/CY04/2007(H3N2)) segment 4 hemagglutinin (HA) gene, complete cds
gi|190403730|gb|EU798794| /Swine/4 (HA)/H3N2/South Korea/2007/// Influenza A virus (A/swine/Korea/CY05/2007(H3N2)) segment 4 hemagglutinin (HA) gene, complete cds
gi|190403732|gb|EU798795| /Swine/4 (HA)/H3N2/South Korea/2007/// Influenza A virus (A/swine/Korea/CY07/2007(H3N2)) segment 4 hemagglutinin (HA) gene, complete cds
gi|190403734|gb|EU798796| /Swine/4 (HA)/H3N2/South Korea/2007/// Influenza A virus (A/swine/Korea/CY09/2007(H3N2)) segment 4 hemagglutinin (HA) gene, complete cds
gi|190403736|gb|EU798797| /Swine/4 (HA)/H3N2/South Korea/2007/// Influenza A virus (A/swine/Korea/CY10/2007(H3N2)) segment 4 hemagglutinin (HA) gene, complete cds

Swine H1, NA, 67 sequences
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Swine H1, NA, 67 sequences
gi|19422082|gb|AF455678| /Swine/4 (HA)/H1N2/USA/2000/// Influenza A virus (A/Swine/Minnesota/55551/00 (H1N2)) hemagglutinin (HA) gene, complete cds
gi|19422084|gb|AF455679| /Swine/4 (HA)/H1N2/USA/2001/// Influenza A virus (A/Swine/Iowa/930/01(H1N2)) hemagglutinin (HA) gene, complete cds.
gi|19422086|gb|AF455680| /Swine/4 (HA)/H1N2/USA/2000/// Influenza A virus (A/Swine/Indiana/P12439/00 (H1N2)) hemagglutinin (HA) gene, complete cds.
gi|19422088|gb|AF455681| /Swine/4 (HA)/H1N2/USA/2001/// Influenza A virus (A/Swine/Illinois/100085A/01 (H1N2)) hemagglutinin (HA) gene, complete cds.
gi|19422090|gb|AF455682| /Swine/4 (HA)/H1N2/USA/2001/// Influenza A virus (A/Swine/Illinois/100084/01 (H1N2)) hemagglutinin (HA) gene, complete cds.
gi|19488287|gb|AY038014| /Avian/4 (HA)/H1N2/USA/1999/// Influenza A virus (A/Turkey/MO/24093/99(H1N2)) hemagglutinin (H1) gene, complete cds.
gi|17223878|gb|AY060047| /Swine/4 (HA)/H1N2/USA/2001/// Influenza A virus (A/SW/MN/23124-T/01(H1N2)) hemagglutinin (HA) gene, complete cds.
gi|17223880|gb|AY060048| /Swine/4 (HA)/H1N2/USA/2001/// Influenza A virus (A/SW/MN/23124-S/01(H1N2)) hemagglutinin (HA) gene, complete cds.
gi|19848287|gb|AY038014| /Avian/4 (HA)/H1N2/USA/1999/// Influenza A virus (A/Turkey/MO/24093/99(H1N2)) hemagglutinin (H1) gene, complete cds.

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gi|209164817|gb|FJ357104| /Avian/4 (HA)/H1N1/USA/1988/// Influenza A virus (A/turkey/NC/17026/1988(H1N1)) segment 4 hemagglutinin (HA) gene, complete cds
gi|209486604|gb|FJ374511| /Swine/4 (HA)/H1N2/China/2007/03/24/ Influenza A virus (A/swine/Shanghai/1/2007(H1N2)) segment 4 hemagglutinin (HA) gene, complete cds
gi|438591|gb|L24362| /Human/4 (HA)/H1N1/USA/1991/// Influenza A virus (A/MD/12/1991(H1N1)) hemagglutinin (HA) gene, complete cds.
gi|325055|gb|M81707| /Swine/4 (HA)/H1N1/USA/1988/// Influenza A virus (A/Swine/Indiana/1726/1988(H1N1)) haemagglutinin gene, 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.
gi|227809829|gb|FJ966082| /Human/4 (HA)/H1N1/USA/2009/04/01/ Influenza A virus (A/California/04/2009(H1N1)) segment 4 hemagglutinin (HA) gene, complete cds

Swine H1 and Avian H1'5'6'7, EA, 19 sequences
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gi|113531184|gb|AB271113| /Avian/4 (HA)/H1N1/Japan/1977/// Influenza A virus (A/duck/Miyagi/66/77(H1N1)) HA gene for haemagglutinin, complete cds
gi|113531188|gb|AB271115| /Avian/4 (HA)/H1N1/Japan/1996/// Influenza A virus (A/duck/Hokkaido/55/96(H1N1)) HA gene for haemagglutinin, complete cds
gi|113531192|gb|AB271117| /Avian/4 (HA)/H10N1/Hong Kong/1980/// Influenza A virus (A/duck/Hong Kong/938/80(H10N1)) HA gene for haemagglutinin, complete cds.
gi|126149244|gb|AB294215| /Avian/4 (HA)/H6N1/Hong Kong/1979/// Influenza A virus (A/duck/Hong Kong/716/1979(H6N1)) HA gene for haemagglutinin, complete cds.
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|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|78097593|gb|CY005605| /Avian/4 (HA)/H6N1/Hong Kong/1977/// Influenza A virus (A/chicken/Hong Kong/17/1977(H6N1)) segment 4, complete sequence.
gi|89789278|gb|CY009892| /Swine/4 (HA)/H1N1/Spain/2003/// Influenza A virus (A/Swine/Spain/50047/2003(H1N1)) segment 4, complete sequence.
gi|91125694|gb|CY010572| /Swine/4 (HA)/H1N1/Spain/2003/// Influenza A virus (A/swine/Spain/51915/2003(H1N1)) segment 4, complete sequence.
gi|91177887|gb|CY010580| /Swine/4 (HA)/H1N1/Spain/2004/// Influenza A virus (A/swine/Spain/53207/2004(H1N1)) segment 4, complete sequence.
gi|115278134|gb|CY014612| /Avian/4 (HA)/H7N1/China/1992/// Influenza A virus (A/duck/Nanchang/1904/1992(H7N1)) segment 4, complete sequence.
gi|85062566|gb|DQ343151| /Avian/4 (HA)/H5N1/China/2001/// Influenza A virus (A/chicken/Hebei/718/2001(H5N1)) hemagglutinin (HA) gene, complete cds.
gi|153957928|gb|EU053133| /Swine/4 (HA)/H1N2/Germany/2005/12/07/ Influenza A virus (A/swine/Doetlingen/IDT4735/2005(H1N2)) segment 4 hemagglutinin gene, complete cds.
gi|153958033|gb|EU053141| /Swine/4 (HA)/H1N2/Germany/2005/12/13/ Influenza A virus (A/swine/Cloppenburg/IDT4777/2005(H1N2)) segment 4 hemagglutinin gene, complete cds.
gi|211996952|gb|FJ432778| /Avian/4 (HA)/H1N1/Italy/2003/// Influenza A virus (A/goose/Italy/296426/2003(H1N1))
segment 4 hemagglutinin (HA) gene, complete cds