

## Human H3N2, 18 sequences

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gi|3722192|gb|AF038271| /Human/7 (MP)/H3N2/Japan/1996/// Influenza A virus H3N2 A/Niigata/137/96 matrix protein M1 and transmembrane ion channel M2 protein (M) gene, complete cds.  
gi|91127728|gb|CY010653| /Human/7 (MP)/H3N2/USA/1995/12/28/ Influenza A virus (A/New York/611/1995(H3N2)) segment 7, complete sequence  
gi|106896312|gb|CY010661| /Human/7 (MP)/H3N2/USA/1995/12/19/ Influenza A virus (A/New York/612/1995(H3N2)) segment 7, complete sequence  
gi|106896313|gb|CY010669| /Human/7 (MP)/H3N2/USA/1996/01/10/ Influenza A virus (A/New York/613/1996(H3N2)) segment 7, complete sequence  
gi|91129948|gb|CY010709| /Human/7 (MP)/H3N2/USA/1995/12/12/ Influenza A virus (A/New York/628/1995(H3N2)) segment 7, complete sequence  
gi|131052303|gb|CY010725| /Human/7 (MP)/H3N2/USA/1995/12/08/ Influenza A virus (A/New York/634/1995(H3N2)) segment 7, complete sequence  
gi|94959629|gb|CY010813| /Human/7 (MP)/H3N2/USA/1995/12/29/ Influenza A virus (A/New York/623/1995(H3N2)) segment 7, complete sequence  
gi|109675495|gb|CY011449| /Human/7 (MP)/H3N2/USA/1996/01/18/ Influenza A virus (A/New York/635/1996(H3N2)) segment 7, complete sequence  
gi|109675533|gb|CY011465| /Human/7 (MP)/H3N2/USA/1996/01/03/ Influenza A virus (A/New York/641/1996(H3N2)) segment 7, complete sequence  
gi|110629730|gb|CY012745| /Human/7 (MP)/H3N2/USA/1993/04/19/ Influenza A virus (A/New York/771/1993(H3N2)) segment 7, complete sequence  
gi|110629768|gb|CY012761| /Human/7 (MP)/H3N2/USA/1993/03/20/ Influenza A virus (A/New York/777/1993(H3N2)) segment 7, complete sequence  
gi|110733708|gb|CY012969| /Human/7 (MP)/H3N2/USA/1994/01/14/ Influenza A virus (A/New York/735/1994(H3N2)) segment 7, complete sequence  
gi|112789109|gb|CY013678| /Human/7 (MP)/H3N2/USA/1993/04/19/ Influenza A virus (A/New York/784/1993(H3N2)) segment 7, complete sequence  
gi|112789166|gb|CY013702| /Human/7 (MP)/H3N2/USA/1993/04/05/ Influenza A virus (A/New York/789/1993(H3N2)) segment 7, complete sequence  
gi|112789318|gb|CY013766| /Human/7 (MP)/H3N2/USA/1993/03/10/ Influenza A virus (A/New York/799/1993(H3N2)) segment 7, complete sequence  
gi|115521542|gb|CY016484| /Human/7 (MP)/H3N2/USA/1993/03/11/ Influenza A virus (A/New York/800/1993(H3N2)) segment 7, complete sequence  
gi|3929605|gb|U65573| /Human/7 (MP)/H3N2/Japan/1995/// Influenza A virus H3N2 strain A/Shiga/20/95 M1 protein and M2 protein genes, complete cds.  
gi|3929611|gb|U65577| /Human/7 (MP)/H3N2/Japan/1995/// Influenza A virus H3N2 strain A/Miyagi/29/95 M1 protein and M2 protein genes, complete cds.

## Swine, NA, 48 sequences

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gi|9887135|gb|AF251406| /Swine/7 (MP)/H3N2/USA/1998/// Influenza A virus (A/Swine/Nebraska/209/98 (H3N2)) matrix protein 1 (M1) gene, complete cds.  
gi|9887152|gb|AF251414| /Swine/7 (MP)/H3N2/USA/1999/// Influenza A virus (A/Swine/Iowa/533/99 (H3N2)) matrix protein 1 (M1) gene, complete cds.  
gi|9887186|gb|AF251430| /Swine/7 (MP)/H3N2/USA/1999/// Influenza A virus (A/Swine/Minnesota/593/99 (H3N2)) matrix protein 1 (M1) gene, complete cds.  
gi|29539572|gb|AF342818| /Human/7 (MP)/H1N1/USA/1998/// Influenza A virus (A/Wisconsin/10/98 (H1N1)) membrane protein M1 and membrane protein M2 genes, complete cds  
gi|30522965|gb|AY233392| /Avian/7 (MP)/H1N2/USA/2001/// Influenza A virus (A/duck/NC/91347/01(H1N2)) matrix protein 1 (M1) gene, complete cds

gi|149785305|gb|CY022318| /Swine/7 (MP)/H1N1/USA/1985/// Influenza A virus (A/swine/Iowa/1/1985(H1N1)) segment 7, complete sequence

gi|149785255|gb|CY022326| /Swine/7 (MP)/H1N1/USA/1985/// Influenza A virus (A/swine/Iowa/3/1985(H1N1)) segment 7, complete sequence

gi|149785183|gb|CY022334| /Swine/7 (MP)/H1N1/USA/1988/// Influenza A virus (A/swine/Iowa/17672/1988(H1N1)) segment 7, complete sequence

gi|149785125|gb|CY022430| /Swine/7 (MP)/H1N1/USA/1988/// Influenza A virus (A/swine/Wisconsin/1915/1988(H1N1)) segment 7, complete sequence

gi|149785052|gb|CY022470| /Swine/7 (MP)/H1N1/USA/1987/// Influenza A virus (A/swine/Kansas/3228/1987(H1N1)) segment 7, complete sequence

gi|149784972|gb|CY022478| /Swine/7 (MP)/H1N1/USA/1991/// Influenza A virus (A/swine/Maryland/23239/1991(H1N1)) segment 7, complete sequence

gi|152963530|gb|CY022971| /Swine/7 (MP)/H1N1/USA/1988/// Influenza A virus (A/swine/Iowa/31483/1988(H1N1)) segment 7, complete sequence

gi|156536560|gb|CY024926| /Human/7 (MP)/H1N1/USA/1988/// Influenza A virus (A/Ohio/3559/1988(H1N1)) segment 7, complete sequence

gi|156536596|gb|CY025011| /Swine/7 (MP)/H1N1/USA/1987/// Influenza A virus (A/swine/Kansas/3024/1987(H1N1)) segment 7, complete sequence

gi|158525297|gb|CY027156| /Swine/7 (MP)/H1N1/USA/1991/// Influenza A virus (A/swine/Iowa/24297/1991(H1N1)) segment 7, complete sequence

gi|158958059|gb|CY027508| /Swine/7 (MP)/H1N1/USA/1985/// Influenza A virus (A/swine/Iowa/2/1985(H1N1)) segment 7, complete sequence

gi|166203490|gb|CY028781| /Swine/7 (MP)/H1N1/USA/1991/// Influenza A virus (A/swine/California/T9001707/1991(H1N1)) segment 7, complete sequence

gi|208400880|gb|CY035071| /Swine/7 (MP)/H1N1/USA/1990/// Influenza A virus (A/swine/Memphis/1/1990(H1N1)) segment 7, complete sequence

gi|229807654|gb|CY039918| /Swine/7 (MP)/H1N1/USA/1988/// Influenza A Virus (A/swine/Wisconsin/1915/1988(H1N1)) segment 7, complete sequence

gi|229809514|gb|CY039926| /Swine/7 (MP)/H1N1/USA/1988/// Influenza A Virus (A/swine/Indiana/1726/1988(H1N1)) segment 7, complete sequence

gi|75756555|gb|DQ150428| /Swine/7 (MP)/H3N1/USA/2004/// Influenza A virus (A/swine/MI/PU243/04 (H3N1)) matrix (M1) gene, complete cds.

gi|75756571|gb|DQ150436| /Swine/7 (MP)/H3N1/USA/2004/// Influenza A virus (A/swine/IN/PU542/04 (H3N1)) matrix (M1) gene, complete cds.

gi|84626337|gb|DQ335772| /Avian/7 (MP)/H3N2/USA/2004/// Influenza A virus (A/turkey/Ohio/313053/04(H3N2)) membrane protein (M) gene, complete cds

gi|94404595|gb|DQ469961| /Human/7 (MP)/H3N2/Canada/2005/// Influenza A virus (A/Ontario/RV1273/2005(H3N2)) matrix protein 2 (MP2) and matrix protein 1 (MP1) genes, complete cds

gi|94404598|gb|DQ469969| /Swine/7 (MP)/H3N2/Canada/2005/// Influenza A virus (A/swine/Alberta/14722/2005(H3N2)) matrix protein 2 (MP2) and matrix protein 1 (MP1) genes, complete cds

gi|94404601|gb|DQ469977| /Swine/7 (MP)/H3N2/Canada/2005/// Influenza A virus (A/swine/British Columbia/28103/2005(H3N2)) matrix protein 2 (MP2) and matrix protein 1 (MP1) genes, complete cds

gi|94404604|gb|DQ469985| /Swine/7 (MP)/H3N2/Canada/2005/// Influenza A virus (A/swine/Manitoba/12707/2005(H3N2)) matrix protein 2 (MP2) and matrix protein 1 (MP1) genes, complete cds

gi|94404607|gb|DQ469993| /Swine/7 (MP)/H3N2/Canada/2005/// Influenza A virus (A/swine/Ontario/33853/2005(H3N2)) matrix protein 2 (MP2) and matrix protein 1 (MP1) genes, complete cds

gi|94404610|gb|DQ470001| /Avian/7 (MP)/H3N2/Canada/2005/// Influenza A virus (A/turkey/Ontario/31232/2005(H3N2)) matrix protein 2 (MP2) and matrix protein 1 (MP1) genes, complete cds

gi|109156216|gb|DQ666934| /Swine/7 (MP)/H1N2/South Korea/2005/// Influenza A virus (A/swine/Korea/S11/2005(H1N2)) matrix protein 2 and matrix protein 1 genes, complete cds.

gi|112456284|gb|DQ889688| /Human/7 (MP)/H1N1/USA/2005/// Influenza A virus (A/Iowa/CEID23/2005(H1N1)) matrix protein 2 (M2) and matrix protein 1 (M1) genes, complete cds

gi|146454453|gb|EF551048| /Avian/7 (MP)/H3N2/USA/2004/// Influenza A virus (A/turkey/Illinois/2004(H3N2)) matrix protein 2 (MP2) and matrix protein 1 (MP1) genes, complete cds.

gi|146454471|gb|EF551056| /Swine/7 (MP)/H3N2/USA/2003/// Influenza A virus (A/swine/North Carolina/2003(H3N2)) matrix protein 2 (MP2) and matrix protein 1 (MP1) genes, complete cds.

gi|151175877|gb|EU015989| /Swine/7 (MP)/H1N2/China/2006/// Influenza A virus (A/swine/Guangxi/13/2006(H1N2)) matrix protein 2 (M2) and matrix protein 1 (M1) genes, complete cds.

gi|187763985|gb|EU697207| /Avian/7 (MP)/H3N2/USA/2005/// Influenza A virus (A/turkey/Minnesota/366767/2005(H3N2)) matrix protein 2 (M2) and matrix protein 1 (M1) genes, complete cds

gi|189313197|gb|EU735787| /Avian/7 (MP)/H1N1/USA/1988/// Influenza A virus (A/turkey/NC/19762/1988(H1N1)) matrix protein 2 (M2) and matrix protein 1 (M1) genes, complete cds.

gi|189313121|gb|EU735819| /Avian/7 (MP)/H3N2/USA/2004/// Influenza A virus (A/turkey/OH/313053/2004(H3N2)) matrix protein 2 (M2) and matrix protein 1 (M1) genes, complete cds

gi|189313102|gb|EU735827| /Avian/7 (MP)/H3N2/USA/2005/// Influenza A virus (A/turkey/NC/353568/2005(H3N2)) matrix protein 2 (M2) and matrix protein 1 (M1) genes, complete cds

gi|193877861|gb|EU743152| /Avian/7 (MP)/H1N1/USA/1990/// Influenza A virus (A/turkey/IA/10271-3/1990(H1N1)) segment 7 matrix protein 2 (M2) and matrix protein 1 (M1) genes, complete cds.

gi|193877843|gb|EU743160| /Avian/7 (MP)/H1N1/USA/1992/// Influenza A virus (A/turkey/IA/21089-3/1992(H1N1)) segment 7 matrix protein 2 (M2) and matrix protein 1 (M1) genes, complete cds.

gi|193877757|gb|EU743211| /Avian/7 (MP)/H3N2/USA/2005/// Influenza A virus (A/turkey/MN/366767/2005(H3N2)) segment 7 matrix protein 2 (M2) and matrix protein 1 (M1) genes, complete cds.

gi|192382745|gb|EU826546| /Swine/7 (MP)/H3N2/Canada/2005/07/12/ Influenza A virus (A/swine/Quebec/4001/2005(H3N2)) segment 7 matrix protein 2 (M2) and matrix protein 1 (M1) genes, complete cds

gi|193245818|gb|EU850622| /Swine/7 (MP)/H1N2/China/2005/// Influenza A virus (A/swine/Guangxi/17/2005(H1N2)) segment 7 matrix protein 2 (M2) and matrix protein 1 (M1) genes, complete cds.

gi|193245826|gb|EU850625| /Swine/7 (MP)/H1N2/China/2005/// Influenza A virus (A/swine/Hainan/1/2005(H1N2)) segment 7 matrix protein 2 (M2) and matrix protein 1 (M1) genes, complete cds.

gi|209164819|gb|FJ357105| /Avian/7 (MP)/H1N1/USA/1988/// Influenza A virus (A/turkey/NC/17026/1988(H1N1)) segment 7 matrix protein 2 (M2) and matrix protein 1 (M1) genes, complete cds

gi|209486620|gb|FJ374518| /Swine/7 (MP)/H1N2/China/2007/03/24/ Influenza A virus (A/swine/Shanghai/1/2007(H1N2)) segment 7 matrix protein 2 (M2) and matrix protein 1 (M1) genes, complete cds

gi|1399614|gb|U53168| /Human/7 (MP)/H1N1/USA/1994/// Influenza A virus (A/WI/4754/1994(H1N1)) M (M) mRNA, complete cds

gi|1399616|gb|U53169| /Human/7 (MP)/H1N1/USA/1994/// Influenza A virus (A/WI/4755/1994(H1N1)) M (M) mRNA, complete cds

#### Swine, EA, 44 sequences

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gi|216409291|gb|AB434323| /Swine/7 (MP)/H1N1/Thailand/2005/// Influenza A virus (A/swine/Chonburi/NIAH589/2005(H1N1)) M1, M2 genes for matrix protein 1, matrix protein 2, complete cds

gi|216409309|gb|AB434331| /Swine/7 (MP)/H1N1/Thailand/2005/// Influenza A virus (A/swine/Chachoengsao/NIAH587/2005(H1N1)) M1, M2 genes for matrix protein 1, matrix protein 2, complete cds

gi|14275700|gb|AJ293925| /Human/7 (MP)/H3N2/Hong Kong/1999/// Influenza A virus (A/Hong Kong/1774/99(H3N2)) m1 gene for matrix protein 1 and m2 gene for matrix protein 2, genomic RNA

gi|14275727|gb|AJ293938| /Swine/7 (MP)/H3N2/Italy/1998/// Influenza A virus (A/swine/Italy/1553-2/98(H3N2)) m1 gene for matrix protein 1 and m2 gene for matrix protein 2, genomic RNA

gi|20068098|gb|AJ316049| /Swine/7 (MP)/H1N2/France/1997/// Influenza A virus (A/swine/Cotes d'Armor/790/97(H1N2)) M1 gene for matrix protein and M2 gene for matrix protein 2, genomic RNA

gi|20068107|gb|AJ316052| /Swine/7 (MP)/H1N2/Italy/1998/// Influenza A virus (A/swine/Italy/1521/98(H1N2)) M1 gene for matrix protein 1 and M2 gene for matrix protein 2, genomic RNA

gi|20068128|gb|AJ316059| /Swine/7 (MP)/H1N1/France/1982/// Influenza A virus (A/swine/Finistere/2899/82(H1N1)) M1 gene for matrix protein 1 and M2 gene for matrix protein 2, genomic RNA

gi|212290249|gb|AM157374| /Avian/7 (MP)/H1N1/France/1987/// Influenza A virus (A/turkey/France/87075/87(H1N1)) M1 gene for matrix protein 1 and M2 gene for matrix protein 2, genomic RNA

gi|164511472|gb|AM746618| /Swine/7 (MP)/H3N2/Germany/2006/// Influenza A virus (A/wild boar/Germany/WS169/2006(H3N2)) M1 gene for matrix protein 1, genomic RNA

gi|31747408|gb|AY300952| /Avian/7 (MP)/H5N2/USA/1998/// Influenza A virus (A/chukar/MN/14591-7/1998(H5N2)) membrane protein (M) gene, complete cds

gi|78097307|gb|CY005494| /Avian/7 (MP)/H7N1/China/1992/// Influenza A virus (A/duck/Nanchang/1904/1992(H7N1)) segment 7, complete sequence

gi|78097595|gb|CY005606| /Avian/7 (MP)/H6N1/Hong Kong/1977/// Influenza A virus (A/chicken/Hong Kong/17/1977(H6N1)) segment 7, complete sequence

gi|89148254|gb|CY009373| /Swine/7 (MP)/H3N2/Spain/2001/// Influenza A virus (A/swine/Spain/33601/2001(H3N2)) segment 7, complete sequence

gi|89148097|gb|CY009381| /Swine/7 (MP)/H3N2/Spain/2002/// Influenza A virus (A/swine/Spain/39139/2002(H3N2)) segment 7, complete sequence

gi|89789280|gb|CY009893| /Swine/7 (MP)/H1N1/Spain/2003/// Influenza A virus (A/Swine/Spain/50047/2003(H1N1)) segment 7, complete sequence

gi|91177908|gb|CY010565| /Swine/7 (MP)/H3N2/Spain/2004/// Influenza A virus (A/swine/Spain/54008/2004(H3N2)) segment 7, complete sequence

gi|91125696|gb|CY010573| /Swine/7 (MP)/H1N1/Spain/2003/// Influenza A virus (A/swine/Spain/51915/2003(H1N1)) segment 7, complete sequence

gi|91177889|gb|CY010581| /Swine/7 (MP)/H1N1/Spain/2004/// Influenza A virus (A/swine/Spain/53207/2004(H1N1)) segment 7, complete sequence

gi|133981500|gb|CY020502| /Swine/7 (MP)/H3N2/Spain/2002/// Influenza A virus (A/swine/Spain/42386/2002(H3N2)) segment 7, complete sequence

gi|77632737|gb|DQ186973| /Swine/7 (MP)/H1N1/Germany/1981/// Influenza A virus (A/swine/Potsdam/15/81(H1N1)) M2 protein and M1 protein genes, complete cds.

gi|77632740|gb|DQ186974| /Swine/7 (MP)/H1N1/Germany/1989/// Influenza A virus (A/swine/Schwerin/103/89(H1N1)) M2 protein and M1 protein genes, complete cds.

gi|77632743|gb|DQ186975| /Swine/7 (MP)/H1N1/Germany/1995/// Influenza A virus (A/swine/Bakum/5/95(H1N1)) M2 protein and M1 protein genes, complete cds.

gi|77632746|gb|DQ186976| /Swine/7 (MP)/H1N1/Germany/2001/// Influenza A virus (A/swine/Belzig/2/2001(H1N1)) M2 protein and M1 protein genes, complete cds.

gi|77632749|gb|DQ186977| /Swine/7 (MP)/H1N2/Germany/2000/// Influenza A virus (A/swine/Bakum/1832/00(H1N2)) M2 protein and M1 protein genes, complete cds.

gi|77632752|gb|DQ186978| /Swine/7 (MP)/H1N2/Germany/2000/// Influenza A virus (A/swine/Bakum/1833/00(H1N2)) M2 protein and M1 protein genes, complete cds.

gi|77632755|gb|DQ186979| /Swine/7 (MP)/H3N2/Germany/1982/// Influenza A virus (A/swine/Potsdam/35/82(H3N2)) M2 protein and M1 protein genes, complete cds.

gi|77632761|gb|DQ186981| /Swine/7 (MP)/H3N2/Germany/1992/// Influenza A virus (A/swine/Leipzig/145/92(H3N2)) M2 protein and M1 protein genes, complete cds.

gi|77632764|gb|DQ186982| /Swine/7 (MP)/H3N2/Germany/1996/// Influenza A virus (A/swine/Jena/5/96(H3N2)) M2 protein and M1 protein genes, complete cds

gi|77632767|gb|DQ186983| /Swine/7 (MP)/H3N2/Germany/1997/// Influenza A virus (A/swine/Lohne/1/97(H3N2)) M2 protein and M1 protein genes, complete cds.

gi|77632770|gb|DQ186984| /Swine/7 (MP)/H3N2/Germany/1999/// Influenza A virus (A/swine/Bakum/8602/99(H3N2)) M2 protein and M1 protein genes, complete cds.

gi|85692677|gb|DQ351858| /Avian/7 (MP)/H5N1/China/2001/// Influenza A virus (A/chicken/Hebei/718/2001(H5N1)) segment 7 membrane ion channel 2 (M) and matrix protein 1 (M) genes, complete cds

gi|117935798|gb|EF101742| /Human/7 (MP)/H1N2/Philippines/2004/02/27/ Influenza A virus (A/Philippines/344/2004(H1N2)) matrix protein gene, complete cds

gi|117935800|gb|EF101750| /Human/7 (MP)/H1N1/Thailand/2005/07/14/ Influenza A virus (A/Thailand/271/2005(H1N1)) matrix protein gene, complete cds

gi|153957968|gb|EU053136| /Swine/7 (MP)/H1N2/Germany/2005/12/07/ Influenza A virus (A/swine/Doetlingen/IDT4735/2005(H1N2)) segment 7 M2 membrane protein and M1 matrix protein genes, complete cds.

gi|153958075|gb|EU053144| /Swine/7 (MP)/H1N2/Germany/2005/12/13/ Influenza A virus (A/swine/Cloppenburg/IDT4777/2005(H1N2)) segment 7 M2 membrane protein and M1 matrix protein genes, complete cds.

gi|157366776|gb|EU152199| /Swine/7 (MP)/H3N2/Thailand/2004/// Influenza A virus (A/swine/Thailand/KU7-2/2004(H3N2)) M2 protein gene, partial cds; and M1 protein gene, complete cds

gi|210076640|gb|FJ415612| /Swine/7 (MP)/H1N1/China/2007/11/15/ Influenza A virus (A/swine/Zhejiang/1/2007(H1N1)) segment 7 matrix protein 2 (M2) and matrix protein 1 (M1) genes, complete cds

gi|211996954|gb|FJ432779| /Avian/7 (MP)/H1N1/Italy/2003/// Influenza A virus (A/goose/Italy/296426/2003(H1N1)) segment 7 matrix protein 2 (M2) gene, partial cds; and matrix protein 1 (M1) gene, complete cds

gi|324279|gb|M55478| /Swine/7 (MP)/H1N1/Germany/1981/// Influenza A virus (A/swine/Germany/2/1981(H1N1)) M2 matrix protein and M1 matrix protein genes, complete cds

gi|324381|gb|M63525| /Swine/7 (MP)/H1N1/Netherlands/1985/// Influenza virus type A (strain A/swine/Netherlands/12/85 (H1N1) membrane protein M1 and membrane protein M2 genes, complete cds.

gi|438073|gb|Z26859| /Avian/7 (MP)/H1N1/Germany/1991/// Influenza A virus(A/turkey/Germany/3/91(H1N1)) M and M2 genes for matrix proteins

gi|438079|gb|Z26861| /Swine/7 (MP)/H1N1/Germany/1991/// Influenza A virus(A/swine/Germany/8533/91(H1N1)) M and M2 genes for matrix proteins

gi|438082|gb|Z26862| /Swine/7 (MP)/H1N1/Netherlands/1980/// Influenza A virus(A/swine/Netherlands/25/80(H1N1)) M and M2 genes for matrix proteins

gi|227977107|gb|FJ969513| /Human/7 (MP)/H1N1/USA/2009/04/01/ Influenza A virus (A/California/04/2009(H1N1)) segment 7 matrix protein 2 (M2) and matrix protein 1 (M1) genes, complete cds