

We acknowledge the authors, originating and submitting laboratories of the sequences from GISAID's EpiFlu™ Database on which this research is based. The list is detailed below.

All submitters of data may be contacted directly via the GISAID website www.gisaid.org

Segment ID	Segment	Country	Collection date	Isolate name	Originating Lab	Submitting Lab	Authors
2013-02-21 CDC							
EPI422606	NA	India	2012-Nov-26	A/India/2019/2012	All India Institute of Medical Sciences	Centers for Disease Control and Prevention	
EPI422607	HA	India	2012-Nov-26	A/India/2019/2012	All India Institute of Medical Sciences	Centers for Disease Control and Prevention	
EPI422604	HA	India	2012-Nov-26	A/India/2018/2012	All India Institute of Medical Sciences	Centers for Disease Control and Prevention	
EPI422603	NA	India	2012-Nov-26	A/India/2018/2012	All India Institute of Medical Sciences	Centers for Disease Control and Prevention	
EPI422600	NA	India	2012-Nov-24	A/India/2005/2012	All India Institute of Medical Sciences	Centers for Disease Control and Prevention	
EPI422601	HA	India	2012-Nov-24	A/India/2005/2012	All India Institute of Medical Sciences	Centers for Disease Control and Prevention	
2013-02-08 CDC							
EPI418233	NA	India	2012-Dec-25	A/India/2227/2012	All India Institute of Medical Sciences	Centers for Disease Control and Prevention	
EPI418234	HA	India	2012-Dec-25	A/India/2227/2012	All India Institute of Medical Sciences	Centers for Disease Control and Prevention	
EPI418230	NA	India	2012-Dec-21	A/India/2181/2012	All India Institute of Medical Sciences	Centers for Disease Control and Prevention	
EPI418231	HA	India	2012-Dec-21	A/India/2181/2012	All India Institute of Medical Sciences	Centers for Disease Control and Prevention	
EPI418227	NA	India	2012-Dec-06	A/India/2080/2012	All India Institute of Medical Sciences	Centers for Disease Control and Prevention	
EPI418228	HA	India	2012-Dec-06	A/India/2080/2012	All India Institute of Medical Sciences	Centers for Disease Control and Prevention	
EPI418232	HA	India	2012-Dec-24	A/India/2205/2012	All India Institute of Medical Sciences	Centers for Disease Control and Prevention	
EPI418167	NA	India	2012-Dec-06	A/India/2080/2012	All India Institute of Medical Sciences	Centers for Disease Control and Prevention	
EPI418168	HA	India	2012-Dec-06	A/India/2080/2012	All India Institute of Medical Sciences	Centers for Disease Control and Prevention	
EPI418164	NA	India	2012-Dec-21	A/India/2181/2012	All India Institute of Medical Sciences	Centers for Disease Control and Prevention	
EPI418165	HA	India	2012-Dec-21	A/India/2181/2012	All India Institute of Medical Sciences	Centers for Disease Control and Prevention	
EPI418161	NA	India	2012-Dec-19	A/India/2171/2012	All India Institute of Medical Sciences	Centers for Disease Control and Prevention	
EPI418162	HA	India	2012-Dec-19	A/India/2171/2012	All India Institute of Medical Sciences	Centers for Disease Control and Prevention	
EPI417959	NA	India	2012-Dec-17	A/India/2150/2012	All India Institute of Medical Sciences	Centers for Disease Control and Prevention	
EPI417960	HA	India	2012-Dec-17	A/India/2150/2012	All India Institute of Medical Sciences	Centers for Disease Control and Prevention	
EPI417193	NA	India	2012-Dec-22	A/India/2192/2012	All India Institute of Medical Sciences	Centers for Disease Control and Prevention	
EPI417194	HA	India	2012-Dec-22	A/India/2192/2012	All India Institute of Medical Sciences	Centers for Disease Control and Prevention	
EPI417176	NA	India	2012-Dec-24	A/India/2205/2012	All India Institute of Medical Sciences	Centers for Disease Control and Prevention	
EPI417177	HA	India	2012-Dec-24	A/India/2205/2012	All India Institute of Medical Sciences	Centers for Disease Control and Prevention	
EPI417169	NA	India	2012-Dec-17	A/India/2150/2012	All India Institute of Medical Sciences	Centers for Disease Control and Prevention	
EPI418008	HA	India	2012-Dec-17	A/India/2150/2012	All India Institute of Medical Sciences	Centers for Disease Control and Prevention	
EPI417164	NA	India	2012-Dec-03	A/India/2055/2012	All India Institute of Medical Sciences	Centers for Disease Control and Prevention	
EPI418005	HA	India	2012-Dec-03	A/India/2055/2012	All India Institute of Medical Sciences	Centers for Disease Control and Prevention	
EPI417956	NA	Bangladesh	2012-Sep-26	A/Bangladesh/5011/2012	Institute of Epidemiology Disease Control and Res	Centers for Disease Control and Prevention	
EPI417168	NA	Bangladesh	2012-Sep-26	A/Bangladesh/5011/2012	Institute of Epidemiology Disease Control and Res	Centers for Disease Control and Prevention	
EPI418006	HA	Bangladesh	2012-Sep-26	A/Bangladesh/5011/2012	Institute of Epidemiology Disease Control and Res	Centers for Disease Control and Prevention	
HA142D 2013-03-19							
EPI385493	HA	Singapore	2010-Jun-07	A/Singapore/KK376/2010		Other Database Import	Phuah,S.P.; Meng,S.;
EPI385494	NA	Singapore	2010-Jun-07	A/Singapore/KK376/2010		Other Database Import	Phuah,S.P.; Meng,S.;
EPI385439	HA	Singapore	2010-Jun-03	A/Singapore/GP2864/2010		Other Database Import	Phuah,S.P.; Meng,S.;
EPI385440	NA	Singapore	2010-Jun-03	A/Singapore/GP2864/2010		Other Database Import	Phuah,S.P.; Meng,S.;
EPI385418	HA	Singapore	2010-Jun-03	A/Singapore/SS34/2010		Other Database Import	Phuah,S.P.; Meng,S.;
EPI385420	NA	Singapore	2010-Jun-03	A/Singapore/SS34/2010		Other Database Import	Phuah,S.P.; Meng,S.;
EPI385347	HA	Singapore	2010-May-17	A/Singapore/GP2301/2010		Other Database Import	Phuah,S.P.; Meng,S.;
EPI385348	NA	Singapore	2010-May-17	A/Singapore/GP2301/2010		Other Database Import	Phuah,S.P.; Meng,S.;
EPI385256	HA	Singapore	2010-Apr-12	A/Singapore/GP1212/2010		Other Database Import	Phuah,S.P.; Meng,S.;
EPI385258	NA	Singapore	2010-Apr-12	A/Singapore/GP1212/2010		Other Database Import	Phuah,S.P.; Meng,S.;
EPI385211	HA	Singapore	2010-Apr-28	A/Singapore/GP1684/2010		Other Database Import	Phuah,S.P.; Meng,S.;

EPI385212	NA	Singapore	2010-Apr-28	A/Singapore/GP1684/2010		Other Database Import	Phuah,S.P.; Meng,S.;
EPI385172	HA	Singapore	2010-Apr-26	A/Singapore/TT150/2010		Other Database Import	Phuah,S.P.; Meng,S.;
EPI385174	NA	Singapore	2010-Apr-26	A/Singapore/TT150/2010		Other Database Import	Phuah,S.P.; Meng,S.;
EPI385157	HA	Singapore	2010-Mar-02	A/Singapore/KK90/2010		Other Database Import	Phuah,S.P.; Meng,S.;
EPI385158	NA	Singapore	2010-Mar-02	A/Singapore/KK90/2010		Other Database Import	Phuah,S.P.; Meng,S.;
EPI385142	HA	Singapore	2010-Mar-08	A/Singapore/KK98/2010		Other Database Import	Phuah,S.P.; Meng,S.;
EPI385143	NA	Singapore	2010-Mar-08	A/Singapore/KK98/2010		Other Database Import	Phuah,S.P.; Meng,S.;
EPI385125	HA	Singapore	2010-Mar-31	A/Singapore/KK111/2010		Other Database Import	Phuah,S.P.; Meng,S.;
EPI385126	NA	Singapore	2010-Mar-31	A/Singapore/KK111/2010		Other Database Import	Phuah,S.P.; Meng,S.;
EPI336314	HA	United Kingdc	2009-Nov-04	A/England/94560148/2009		Other Database Import	Galiano,M.C.
EPI335488	HA	Brazil	2009-Aug-28	A/Sao Paulo/70311/2009		Other Database Import	Santos,C.L.S.; Oliveir
EPI394485	HA	Japan	2009-Jan-01	A/Tottori/ST450/2009		Other Database Import	Tsuneki,A.; Kageyam
EPI348125	HA	China	2009-Aug-31	A/Shenzhen/28/2009	pH1N1 Severe or Fatal Disease Shenzhen	CDCP Shenzhen	Wu,C.; Cheng,X.; Wai
EPI348003	HA	China	2009-Sep-08	A/Shenzhen/33/2009	pH1N1 Severe or Fatal Disease Shenzhen	CDCP Shenzhen	Wu,C.; Cheng,X.; Wai
EPI276604	HA	United States	2009-Dec-02	A/District of Columbia/AF2182/2009		Other Database Import	Garner,J.L.; Gibbons,`
EPI252938	HA	United States	2009-Dec-25	A/Texas/JMS392/2009		Other Database Import	The NIAID Influenza C
EPI252940	NA	United States	2009-Dec-25	A/Texas/JMS392/2009		Other Database Import	The NIAID Influenza C
EPI249899	HA	Japan	2010-Jan-12	A/Nagasaki/HA-10-5/2010		Other Database Import	Kawano,H.; Kobayash
EPI249898	HA	Japan	2010-Jan-04	A/Nagasaki/HA-10-4/2010		Other Database Import	Kawano,H.; Kobayash
EPI249892	HA	Japan	2010-Jan-18	A/Nagasaki/HA-10-10/2010		Other Database Import	Kawano,H.; Kobayash
EPI258139	NA	China	2010-Jan-14	A/Guangxi-Longan/SWL1921/2010		WHO Chinese National Influenza Center	Yu Lan,Zi Li,Xiyan Li,×
EPI258140	HA	China	2010-Jan-14	A/Guangxi-Longan/SWL1921/2010		WHO Chinese National Influenza Center	Yu Lan,Zi Li,Xiyan Li,×
EPI332675	NA	Australia	2011-Apr-07	A/BRISBANE/139/2011	Queensland Health Scientific Services	WHO Collaborating Centre for Reference and Deng,Y-M.; Iannello,P	
EPI332676	HA	Australia	2011-Apr-07	A/BRISBANE/139/2011	Queensland Health Scientific Services	WHO Collaborating Centre for Reference and Deng,Y-M.; Iannello,P	
EPI331323	NA	Australia	2011-Feb-04	A/VICTORIA/512/2011	Monash Medical Centre	WHO Collaborating Centre for Reference and Deng,Y-M.; Iannello,P	
EPI331324	HA	Australia	2011-Feb-04	A/VICTORIA/512/2011	Monash Medical Centre	WHO Collaborating Centre for Reference and Deng,Y-M.; Iannello,P	
EPI210532	HA	Slovakia	2009-Jul-27	A/Modra/1156/2009	National Public Health Institute of Slovakia	National Institute for Medical Research	
EPI210533	NA	Slovakia	2009-Jul-27	A/Modra/1156/2009	National Public Health Institute of Slovakia	National Institute for Medical Research	
EPI417116	HA	Belgium	2012-Nov-08	A/Belgium/G860/2012	Scientific Institute of Public Health	National Institute for Medical Research	
EPI417117	NA	Belgium	2012-Nov-08	A/Belgium/G860/2012	Scientific Institute of Public Health	National Institute for Medical Research	
EPI329107	HA	Japan	2011-Apr-02	A/SAITAMA/289/2011	Saitama Institute of Public Health	National Institute of Infectious Diseases (NIID Fujisaki,Seiichiro; Kim	
EPI334515	NA	Japan	2011-Apr-02	A/SAITAMA/289/2011	Saitama Institute of Public Health	National Institute of Infectious Diseases (NIID Fujisaki,Seiichiro; Kim	
EPI422629	NA	Tanzania, Uni	2012-Dec-10	A/Tanzania/2085/2012	National Influenza Lab	Centers for Disease Control and Prevention	
EPI422630	HA	Tanzania, Uni	2012-Dec-10	A/Tanzania/2085/2012	National Influenza Lab	Centers for Disease Control and Prevention	
EPI422600	NA	India	2012-Nov-24	A/India/2005/2012	All India Institute of Medical Sciences	Centers for Disease Control and Prevention	
EPI422601	HA	India	2012-Nov-24	A/India/2005/2012	All India Institute of Medical Sciences	Centers for Disease Control and Prevention	
EPI346918	NA	United States	2011-Dec-01	A/Wisconsin/28/2011	Wisconsin State Laboratory of Hygiene	Centers for Disease Control and Prevention	Shu, B.; Garten, R.; Ei
EPI346916	HA	United States	2011-Dec-01	A/Wisconsin/28/2011	Wisconsin State Laboratory of Hygiene	Centers for Disease Control and Prevention	Shu, B.; Garten, R.; Ei
EPI346730	NA	United States	2011-Dec-01	A/Wisconsin/28/2011	Wisconsin State Laboratory of Hygiene	Centers for Disease Control and Prevention	Shu, B.; Garten, R.; Ei
EPI346731	HA	United States	2011-Dec-01	A/Wisconsin/28/2011	Wisconsin State Laboratory of Hygiene	Centers for Disease Control and Prevention	Shu, B.; Garten, R.; Ei
EPI217262	NA	United States	2009-Sep-27	A/Wisconsin/51/2009	Wisconsin State Laboratory of Hygiene	Centers for Disease Control and Prevention	
EPI217263	HA	United States	2009-Sep-27	A/Wisconsin/51/2009	Wisconsin State Laboratory of Hygiene	Centers for Disease Control and Prevention	
EPI404816	NA	United States	2012-Aug-21	A/Virginia/13/2012	Virginia Division of Consolidated Laboratories	Centers for Disease Control and Prevention	
EPI404817	HA	United States	2012-Aug-21	A/Virginia/13/2012	Virginia Division of Consolidated Laboratories	Centers for Disease Control and Prevention	
EPI276511	HA	United Kingdc	2009-Nov-01	A/ENG/94560148/2009	Centre for Infections, Health Protection Agency	Centre for Infections, Health Protection Agenc	Galiano,M.
2013_03_20_Austria							
EPI438457	HA	Austria	2013-Feb-13	A/Austria/76/2013	Department of Virology, Medical University Vienna	Medical University Vienna	
EPI438458	NA	Austria	2013-Feb-13	A/Austria/76/2013	Department of Virology, Medical University Vienna	Medical University Vienna	
EPI438448	HA	Austria	2013-Feb-06	A/Austria/75/2013	Department of Virology, Medical University Vienna	Medical University Vienna	
EPI438450	NA	Austria	2013-Feb-06	A/Austria/75/2013	Department of Virology, Medical University Vienna	Medical University Vienna	
EPI438432	HA	Austria	2013-Feb-04	A/Austria/74/2013	Department of Virology, Medical University Vienna	Medical University Vienna	
EPI438444	NA	Austria	2013-Feb-04	A/Austria/74/2013	Department of Virology, Medical University Vienna	Medical University Vienna	

EPI438428	HA	Austria	2013-Feb-04	A/Austria/73/2013	Department of Virology, Medical University Vienna	Medical University Vienna
EPI438429	NA	Austria	2013-Feb-04	A/Austria/73/2013	Department of Virology, Medical University Vienna	Medical University Vienna
EPI438427	NA	Austria	2013-Feb-04	A/Austria/72/2013	Department of Virology, Medical University Vienna	Medical University Vienna
EPI438426	HA	Austria	2013-Feb-04	A/Austria/72/2013	Department of Virology, Medical University Vienna	Medical University Vienna
EPI438356	HA	Austria	2013-Feb-04	A/Austria/71/2013	Department of Virology, Medical University Vienna	Medical University Vienna
EPI438357	NA	Austria	2013-Feb-04	A/Austria/71/2013	Department of Virology, Medical University Vienna	Medical University Vienna
EPI438354	HA	Austria	2013-Feb-07	A/Austria/70/2013	Department of Virology, Medical University Vienna	Medical University Vienna
EPI438355	NA	Austria	2013-Feb-07	A/Austria/70/2013	Department of Virology, Medical University Vienna	Medical University Vienna
EPI438353	NA	Austria	2013-Feb-06	A/Austria/69/2013	Department of Virology, Medical University Vienna	Medical University Vienna
EPI438352	HA	Austria	2013-Feb-06	A/Austria/69/2013	Department of Virology, Medical University Vienna	Medical University Vienna
EPI438306	HA	Austria	2013-Jan-28	A/Austria/68/2013	Department of Virology, Medical University Vienna	Medical University Vienna
EPI438307	NA	Austria	2013-Jan-28	A/Austria/68/2013	Department of Virology, Medical University Vienna	Medical University Vienna
HA 430I 2013-03-21						
EPI357499	HA	Kenya	2011-Nov-15	A/Kenya/182/2011	US Army Medical Research Unit - Kenya (USAMRU-USAMRU-K	
EPI408970	HA	Poland	2011-Feb-04	A/Warsaw/INS621/2011	Other Database Import	
EPI408972	NA	Poland	2011-Feb-04	A/Warsaw/INS621/2011	Other Database Import	
EPI302713	HA	Canada	2009-Jun-26	A/Canada-AB/RV2621/2009	Other Database Import	
EPI302715	NA	Canada	2009-Jun-26	A/Canada-AB/RV2621/2009	Other Database Import	
EPI394535	HA	Japan	2009-Jan-01	A/Tottori/ST537/2009	Other Database Import	
EPI269380	HA	Netherlands	2009-Aug-25	A/Netherlands/1039/2009	Other Database Import	
EPI269382	NA	Netherlands	2009-Aug-25	A/Netherlands/1039/2009	Other Database Import	
EPI221367	HA	Brazil	2009-Jul-02	A/Rio de Janeiro/2459/2009	Other Database Import	
EPI416427	HA	Norway	2012-Dec-18	A/Norway/46/2013	WHO National Influenza Centre	
EPI416428	NA	Norway	2012-Dec-18	A/Norway/46/2013	WHO National Influenza Centre	
EPI179083	HA	Mexico	2009-Apr-03	A/Mexico/4108/2009	Laboratorio de Virus Respiratorio	
EPI179084	NA	Mexico	2009-Apr-03	A/Mexico/4108/2009	Laboratorio de Virus Respiratorio	
EPI179080	HA	Mexico	2009-Apr-03	A/Mexico/3955/2009	Laboratorio de Virus Respiratorio	
EPI179081	NA	Mexico	2009-Apr-03	A/Mexico/3955/2009	Laboratorio de Virus Respiratorio	
EPI177341	HA	Mexico	2009-Apr-03	A/Mexico/4108/2009	Laboratorio de Virus Respiratorio	
EPI177344	NA	Mexico	2009-Apr-03	A/Mexico/4108/2009	Laboratorio de Virus Respiratorio	
EPI177335	HA	Mexico	2009-Apr-03	A/Mexico/4108/2009	Laboratorio de Virus Respiratorio	
EPI177337	NA	Mexico	2009-Apr-03	A/Mexico/4108/2009	Laboratorio de Virus Respiratorio	
EPI177288	HA	Mexico	2009-Apr-03	A/Mexico/4108/2009	Laboratorio de Virus Respiratorio	
EPI177289	NA	Mexico	2009-Apr-03	A/Mexico/4108/2009	Laboratorio de Virus Respiratorio	
EPI177338	HA	Mexico	2009-Apr-03	A/Mexico/4108/2009	Laboratorio de Virus Respiratorio	
EPI176601	NA	Mexico	2009-Apr-03	A/Mexico/4108/2009	Laboratorio de Virus Respiratorio	
EPI407373	NA	Canada	2012-Nov-15	A/Alberta/RV2960/2012	National Microbiology Laboratory, Health Canada	
EPI407374	HA	Canada	2012-Nov-15	A/Alberta/RV2960/2012	National Microbiology Laboratory, Health Canada	
EPI247383	NA	United States	2010-Jan-05	A/New Mexico/01/2010	New Mexico Department of Health	
EPI247384	HA	United States	2010-Jan-05	A/New Mexico/01/2010	New Mexico Department of Health	
EPI227791	NA	United States	2009-Jun-19	A/Pennsylvania/13/2009	Pennsylvania Department of Health	
EPI227792	HA	United States	2009-Jun-19	A/Pennsylvania/13/2009	Pennsylvania Department of Health	
EPI422600	NA	India	2012-Nov-24	A/India/2005/2012	All India Institute of Medical Sciences	
EPI422601	HA	India	2012-Nov-24	A/India/2005/2012	All India Institute of Medical Sciences	
EPI180605	HA	Mexico	2009-Apr-03	A/Mexico/4108/2009		
EPI180606	NA	Mexico	2009-Apr-03	A/Mexico/4108/2009		