

Table S1. Genbank accession numbers for swIAV sequences isolated in France and used in this study

Strain name	Collection date	Subtype	HA clade (subgroup)	PB2	PB1	PA	HA	NP	NA	M	NS	References
A/swine/Marseille/2260/1980	1980	H1 _{av} N1	1C.1	KJ889313	KJ889314	KJ889315	KJ889316	KJ889317	KJ889318	KJ889319	KJ889320	Krumbholz et al 2014
A/swine/Finnistere/2899/1982	1982	H1 _{av} N1	1C.1	AJ311457	AJ311462	AJ311463	CY116348	CY116349	CY116350	CY116351	CY116352	Lycett et al 2012
A/swine/France/WVL3/1984	1984	H1 _{av} N1	1C.1	CY037972	CY037973	CY037974	CY037975	CY037976	CY037977	CY037978	CY037979	Dunham et al 2009
A/swine/France/WVL4/1985	1985	H1 _{av} N1	1C.1	CY037980	CY037981	CY037982	CY037983	CY037984	CY037985	CY037986	CY037987	Dunham et al 2009
A/swine/France/WVL8/1992	1992	H1 _{av} N1	1C.1	CY038012	CY038013	CY038014	CY038015	CY038016	CY038017	CY038018	CY038019	Dunham et al 2009
A/swine/OMS/2111/1995	1995	H1 _{av} N1	1C.1-2-like	CY116393	CY116394	CY116395	CY116396	CY116397	CY116398	CY116399	CY116400	Lycett et al 2012
A/swine/France/WVL13/1995	1995	H1 _{av} N1	1C.1-2-like	CY037926	CY037927	CY037928	CY037929	CY037930	CY037931	CY037932	CY037933	Dunham et al 2009
A/swine/OMS/2112/1995	1995	H1 _{av} N1	1C.1-2-like	CY116401	CY116402	CY116403	CY116404	CY116405	CY116406	CY116407	CY116408	Lycett et al 2012
A/swine/Cotes d'Armor/790/97	1997	H1 _{hu} N2	1B.1.2.3	AJ306845	AJ306865	AJ311207	AJ344007	AJ307065	AJ412705	AJ316049	AJ344026	Marozin et al 2002
A/swine/Cotes d'Armor/2433/98	1998	H1 _{hu} N2	1B.1.2.3	-na-	AJ306864	AJ311205	AJ412710	AJ307066	AJ412704	-na-	AJ344031	Marozin et al 2002
A/swine/Cotes d'Armor/1482/99	1999	H1 _{av} N1	1C.1-2-like	-na-	-na-	-na-	AJ412711	-na-	AJ410883	-na-	-na-	Marozin et al 2002
A/swine/Ille et Vilaine/1455/1999	1999	H1 _{av} N1	1C.2.3	CY116377	CY116378	CY116379	CY116380	CY116381	CY116382	CY116383	CY116384	Lycett et al 2012
A/swine/Cotes d'Armor/1488/99	1999	H1 _{av} N1	1C.2.3	AJ306848	AJ306856	AJ311208	AJ412712	AJ307069	AJ410881	-na-	AJ344027	Marozin et al 2002
A/swine/Cotes d'Armor/1515/99	1999	H1 _{av} N1	1C.1-2-like	-na-	-na-	-na-	AJ344002	-na-	AJ410884	-na-	-na-	Marozin et al 2002
A/swine/Cotes d'Armor/604/99	1999	H1 _{hu} N2	1B.1.1	AJ306850	AJ306863	AJ312838	AJ412709	AJ307074	AJ412702	AJ316051	AJ316062	Marozin et al 2002
A/swine/Cotes d'Armor/1121/00	2000	H1 _{av} N1	1C.2.3	-na-	-na-	-na-	AJ412708	-na-	AJ410875	-na-	-na-	Marozin et al 2002
A/swine/Cotes d'Armor/799/00	2000	H1 _{hu} N2	1B.1.2.3	-na-	-na-	-na-	AJ344006	-na-	AJ412694	-na-	-na-	Marozin et al 2002
A/swine/Cotes d'Armor/800/00	2000	H1 _{hu} N2	1B.1.2.3	AJ306841	AJ306859	AJ312837	AJ344005	AJ307061	AJ412695	AJ316050	AJ344039	Marozin et al 2002
A/swine/Cotes d'Armor/98574/2001	2001	H1 _{hu} N1	1B.1.1	-na-	-na-	-na-	AM503897	-na-	AM503897	-na-	-na-	Franck et al 2007
A/swine/Cotes d'Armor/60293/2001	2001	H1 _{hu} N1	1B.1.1	-na-	-na-	-na-	AM503896	-na-	AM777826	-na-	-na-	Franck et al 2007
A/swine/Cotes d'Armor/1624/2002	2002	H1 _{av} N1	1C.2.3	CY116385	CY116386	CY116387	CY116388	CY116389	CY116390	CY116391	CY116392	Lycett et al 2012
A/swine/Cotes d'Armor/1190/2002	2002	H1 _{hu} N2	1B.1.2.3	-na-	-na-	-na-	CY116372	-na-	CY116374	CY116375	-na-	Lycett et al 2012
A/swine/Cotes d'Armor/43394/2002	2002	H1 _{hu} N2	1B.1.2.3	-na-	-na-	-na-	AM503899	-na-	AM777822	-na-	-na-	This study
A/swine/Finnistere/800/2004	2004	H1 _{av} N1	1C.2.3	CY116353	CY116354	CY116355	CY116356	CY116357	CY116358	CY116359	CY116360	Lycett et al 2012
A/swine/Cotes d'Armor/016007/2005	2005-07-12	H1 _{hu} N1	1B.1.1	-na-	-na-	-na-	AM777810	-na-	AM777830	-na-	-na-	This study
A/swine/Cotes d'Armor/0227/2005	2005-10-17	H1 _{av} N1	1C.2.1	-na-	-na-	-na-	AM490221	-na-	AM777828	-na-	-na-	This study
A/swine/France/CotesdArmor-0113/2006	2006-04-25	H1 _{hu} N2	1B.1.2.3 (D)	KR701501	KR701502	KR701503	AM503902	KR701504	KR701505	KR701506	KR701507	Watson et al 2015
A/swine/Cotes d'Armor/0136_18/2006	2006-05-09	H1 _{av} N1	1C.2.1	-na-	-na-	-na-	AM490223	-na-	AM777827	-na-	-na-	This study
A/swine/Cotes d'Armor/0136_17/2006	2006-05-09	H1 _{hu} N2	1B.1.2.3	-na-	-na-	-na-	AM490224	-na-	AM777821	-na-	-na-	This study
A/swine/Cotes d'Armor/0123/2006	2006-05-12	H1 _{hu} N2	1B.1.2.3 (D)	-na-	-na-	-na-	AM503901	-na-	AM777820	-na-	-na-	This study

A/swine/France/Cotes d'Armor-0190/2006	2006-08-01	H1 _{hu} N1	1B.1.2.3 *	MT379427	MT379428	MT379429	MT379430	MT379431	MT379432	MT379433	MT379434	This study
A/swine/France/Cotes d'Armor-0214/2006	2006-09-01	H1 _{hu} N2	1B.1.1	MT394946	MT394947	MT394948	MT394949	MT394950	MT394951	MT394952	MT394953	This study
A/swine/Cotes d'Armor/002007/2006	2006-12-22	H1 _{av} N1	1C.2.1	-na-	-na-	-na-	AM778090	-na-	AM777829	-na-	-na-	This study
A/swine/France/CotesdArmor-0041/2011	2007-02-01	H1 _{hu} N2	1B.1.2.3	KR700213	KR700214	KR700215	KR700216	KR700217	KR700218	KR700219	KR700220	Watson et al 2015
A/swine/Cotes d'Armor/0040/2007	2007-02-01	H1 _{hu} N2	1B.1.2.3 (D)	-na-	-na-	-na-	AM503547	-na-	AM777817	-na-	-na-	This study
A/swine/Morbihan/0028/2007	2007-02-05	H1 _{hu} N2	1B.1.2.3 (D)	-na-	-na-	-na-	AM777813	-na-	AM777816	-na-	-na-	This study
A/swine/Cotes d'Armor/0111/2007	2007-03-01	H1 _{hu} N2	1B.1.2.3	-na-	-na-	-na-	AM777814	-na-	AM777819	-na-	-na-	This study
A/swine/Finistere/0045/2008	2008-02-12	H1 _{hu} N2	1B.1.2.3	-na-	-na-	-na-	FN646097	-na-	FN646092	-na-	-na-	This study
A/swine/Cotes d'Armor/0102/2008	2008-04-08	H1 _{av} N2	1C.2.1	-na-	-na-	-na-	FN646098	-na-	FN646095	-na-	-na-	This study
A/swine/Cotes d'Armor/0158/2008	2008-05-19	H1 _{av} N1	1C.2.1	-na-	-na-	-na-	FN646101	-na-	FN646096	-na-	-na-	This study
A/swine/Cotes d'Armor/1174/2009	2009	H1 _{hu} N2	1B.1.2.3	CY116364	CY116365	CY116366	CY116367	CY116368	CY116369	CY116370	CY116371	Lycett et al 2012
A/swine/Finistere/0028/2009	2009-02-04	H1 _{av} N1	1C.2.1	-na-	-na-	-na-	HE577046	-na-	FR878010	-na-	-na-	This study
A/swine/Cotes d'Armor/0388/2009	2009-07-28	H1 _{av} N1	1C.2.1	KR701495	KR701496	KR701497	KC881265	KR701498	FR871194	KR701499	KR701500	Watson et al 2015
A/swine/Aisne/0054/2010	2010	H1 _{av} N1	1C.2.1	-na-	-na-	-na-	CY110764	-na-	CY110765	-na-	-na-	This study
A/swine/France/Cotes d'Armor-0070/2010	2010-03-19	H1 _{hu} N1	1B.1.2.3	MT379419	MT379420	MT379421	MT379422	MT379423	MT379424	MT379425	MT379426	This study
A/swine/Cotes d'Armor/0104/2010	2010-05-21	H1 _{av} N1	1C.2.1	-na-	-na-	-na-	CY110766	-na-	CY110767	-na-	-na-	This study
A/swine/Morbihan/0163/2010	2010-06-18	H1 _{hu} N1	1B.1.1	-na-	-na-	-na-	KC345638	-na-	KC345652	-na-	-na-	This study
A/swine/Finistere/0181/2010	2010-08-02	H1 _{av} N2	1C.2.1	-na-	-na-	-na-	KC345631	-na-	HE600192	-na-	-na-	This study
A/swine/Cotes d'Armor/0186/2010	2010-09-01	H1 _{av} N2	1C.2.1	-na-	-na-	-na-	CY115832	-na-	HE577045	-na-	-na-	This study
A/swine/Finistere/0188/2010	2010-09-02	H1 _{av} N1	1C.2.1	-na-	-na-	-na-	KC345632	-na-	HE600193	-na-	-na-	This study
A/swine/Ile et Vilaine/0225/2010	2010-09-30	H1 _{hu} N2	1B.1.2.3	-na-	-na-	-na-	KC345633	-na-	KC345634	-na-	-na-	This study
A/swine/France/CotesdArmor-0275/2010	2010-11-23	H1 _{av} N1	1C.2.1	KR699731	-na-	KR699733	KR699734	KR699735	KR699736	KR699737	KR699738	Watson et al 2015
A/swine/France/56-110525/2010	2010-11-26	H1 _{hu} N1	1B.1.2.3 (D)	KR700514	KR700515	KR700516	KR700517	KR700518	KR700519	KR700520	KR700521	Watson et al 2015
A/swine/France/CotesdArmor-0023/2011	2011-01-01	H1 _{av} N1	1C.2.1	KR700269	-na-	KR700270	KR700271	KR700272	KR700273	KR700274	KR700275	Watson et al 2015
A/swine/France/CotesdArmor-0041/2011	2011-01-01	H1 _{hu} N2	1B.1.2.3 (D)	KR700213	KR700214	KR700215	KR700216	KR700217	KR700218	KR700219	KR700220	Watson et al 2015
A/swine/France/Finistere-0011/2011	2011-01-11	H1 _{av} N1	1C.2.1	KR699739	KR699740	KR699741	KR699742	KR699743	KR699744	KR699745	KR699746	Watson et al 2015
A/swine/France/CotesdArmor-0025/2011	2011-01-20	H1 _{hu} N2	1B.1.2.3 (D)	KR700206	MT394954	KR700207	KR700208	KR700209	KR700210	KR700211	KR700212	Watson et al 2015
A/swine/France/Ille et Vilaine-0115/2011	2011-02-01	H1 _{av} N1	1C.2.1	MT394979	MT394980	MT394981	MT394982	MT394983	MT394984	MT394985	MT394986	This study
A/swine/France/CotesdArmor-0105/2011	2011-02-01	H1 _{hu} N2	1B.1.2.3	KR700221	KR700222	KR700223	KR700224	KR700225	KR700226	KR700227	KR700228	Watson et al 2015
A/swine/France/CotesdArmor-0074/2011	2011-02-01	H1 _{hu} N2	1B.1.2.3 (D)	KR700237	KR700238	KR700239	KR700240	KR700241	KR700242	KR700243	KR700244	Watson et al 2015
A/swine/France/22-110529/2011	2011-02-08	H1 _{av} N2	1C.2.1	KR700323	KR700324	KR700325	KR700326	-na-	KR700328	KR700329	KR700330	Watson et al 2015
A/swine/France/CotesdArmor-0147/2011	2011-04-05	H1 _{av} N1	1C.2.1	KR700253	KR700254	KR700255	KR700256	KR700257	KR700258	KR700259	KR700260	Watson et al 2015
A/swine/France/Ille et Vilaine-0187/2011	2011-04-07	H1 _{av} N1	1C.2.1	KR699747	KR699748	KR699749	KR699750	KR699751	KR699752	KR699753	KR699754	Watson et al 2015
A/swine/France/CotesdArmor-0198/2011	2011-04-11	H1 _{hu} N2	1B.1.2.3	KR700190	KR700191	KR700192	KR700193	KR700194	KR700195	KR700196	KR700197	Watson et al 2015

A/swine/France/Finistere-0186/2011	2011-04-14	H1 _{hu} N2	1B.1.2.3	MT394971	MT394972	MT394973	MT394974	MT394975	MT394976	MT394977	MT394978	This study
A/swine/France/Morbihan-0213/2011	2011-04-18	H1 _{av} N2	1C.2.1	KR699755	KR699756	KR699757	KR699758	KR699759	KR699760	KR699761	KR699762	Watson et al 2015
A/swine/France/Ille-et-Vilaine-0266/2011	2011-05-24	H1 _{av} N1	1C.2.1	KR700229	KR700230	KR700231	KR700232	KR700233	KR700234	KR700235	KR700236	Watson et al 2015
A/swine/France/Morbihan-0285/2011	2011-05-30	H1 _{av} N1	1C.2.1	KR700245	KR700246	KR700247	KR700248	KR700249	KR700250	KR700251	KR700252	Watson et al 2015
A/swine/France/Ille-et-Vilaine-0346/2011	2011-06-01	H1 _{hu} N2	1B.1.2.3 (D)	KR701483	KR701484	KR701485	KC894804	KR701486	KC894807	KR701487	KR701488	Watson et al 2015
A/swine/France/Cotes d'Armor-0295/2011	2011-06-06	H1 _{hu} N2	1B.1.2.3 (D)	MT394955	MT394956	MT394957	MT394958	MT394959	MT394960	MT394961	MT394962	This study
A/swine/France/Cotes d'Armor-0282/2011	2011-06-06	H1 _{av} N1	1C.2.1	KR699803	KR699804	KR699805	KR699806	KR699807	MT394952	KR699808	KR699809	Watson et al 2015
A/swine/France/Morbihan-0294/2011	2011-06-14	H1 _{av} N1	1C.2.1	KR699763	KR699764	KR699765	KR699766	KR699767	KR699768	KR699769	KR699770	Watson et al 2015
A/swine/France/Vendee-0301/2011	2011-06-14	H1 _{av} N1	1C.2.1	KR699771	KR699772	KR699773	KR699774	KR699775	KR699776	KR699777	KR699778	Watson et al 2015
A/swine/France/Cotes d'Armor-0292/2011	2011-06-15	H1 _{av} N1	1C.2.1	KR700261	KR700262	KR700263	KR700264	KR700265	KR700266	KR700267	KR700268	Watson et al 2015
A/swine/France/29-110307/2011	2011-06-23	H1 _{av} N1	1C.2.1	-na-	-na-	-na-	KC894805	-na-	KC894808	-na-	-na-	This study
A/swine/France/Ille-et-Vilaine-0404/2011	2011-06-28	H1 _{hu} N2	1B.1.2.3	KR700276	KR700277	KR700278	KR700279	KR700280	KR700281	KR700282	KR700283	Watson et al 2015
A/swine/France/Ille-et-Vilaine-0354/2011	2011-06-30	H1 _{av} N1	1C.2.1	KR700198	KR700199	KR700200	KR700201	-na-	KR700203	KR700204	KR700205	Watson et al 2015
A/swine/France/Loire-Atlantique-0405/2011	2011-07-01	H1 _{av} N1	1C.2.1	KR699779	KR699780	KR699781	KR699782	KR699783	KR699784	KR699785	KR699786	Watson et al 2015
A/swine/France/Cotes d'Armor-0364/2011	2011-07-05	H1 _{av} N1	1C.2.1	KR700904	-na-	KR700905	KR700906	KR700907	KR700908	KR700909	KR700910	Watson et al 2015
A/swine/France/Ille-et-Vilaine-0415/2011	2011-08-01	H1 _{hu} N2	1B.1.2.3	KR699787	KR699788	KR699789	KR699790	KR699791	KR699792	KR699793	KR699794	Watson et al 2015
A/swine/France/Cotes d'Armor-0455/2011	2011-09-05	H1 _{av} N1	1C.2.1	MT394963	MT394964	MT394965	MT394966	MT394967	MT394968	MT394969	MT394970	This study
A/swine/France/Cotes d'Armor-0558/2011	2011-09-14	H1 _{hu} N2	1B.1.2.3 (D)	KR700315	KR700316	KR700317	KR700318	KR700319	KR700320	KR700321	KR700322	Watson et al 2015
A/swine/France/Morbihan-0599/2011	2011-10-27	H1 _{av} N2	1C.2.1	KR700292	MT394953	KR700293	KR700294	KR700295	KR700296	KR700297	KR700298	Watson et al 2015
A/swine/France/Ille-et-Vilaine-0648/2011	2011-11-07	H1 _{hu} N2	1B.1.2.3	MT394987	MT394988	MT394989	MT394990	MT394991	MT394992	MT394993	MT394994	This study
A/swine/France/Morbihan-0617/2011	2011-11-14	H1 _{av} N1	1C.2.1	MT394940	-na-	MT394941	MT394942	MT394943	-na-	MT394944	MT394945	This study
A/swine/France/41-120137/2012	2012-01-10	H1 _{av} N1	1C.2.1	MT379003	MT379004	MT379005	MT379006	MT379007	MT379008	MT379009	MT379010	This study
A/swine/France/35-120024/2012	2012-01-19	H1 _{hu} N2	1B.1.2.3	KR700307	KR700308	KR700309	KR700310	KR700311	KR700312	KR700313	KR700314	Watson et al 2015
A/swine/France/22-120067/2012	2012-02-08	H1 _{hu} N1	1B.1.2.3 **	KR700967	KR700968	KR700969	KR700970	KR700971	KR700972	KR700973	KR700974	Watson et al 2015
A/swine/France/29-120064/2012	2012-02-09	H1 _{av} N1	1C.2.1	KR700284	KR700285	KR700286	KR700287	KR700288	KR700289	KR700290	KR700291	Watson et al 2015
A/swine/France/22-120146/2012	2012-04-17	H1 _{av} N1	1C.2.1	KR700911	KR700912	KR700913	KR700914	KR700915	KR700916	KR700917	KR700918	Watson et al 2015
A/swine/France/56-120177/2012	2012-05-21	H1 _{hu} N2	1B.1.2.3	KR701566	KR701567	KR701568	KC295234	KR701569	KR701570	KR701571	KR701572	Watson et al 2015
A/swine/France/22-120228/2012	2012-07-09	H1 _{hu} N2	1B.1.2.3	KR700943	KR700944	KR700945	KR700946	KR700947	KR700948	KR700949	KR700950	Watson et al 2015
A/swine/France/29-120326/2012	2012-08-28	H1 _{av} N1	1C.2.1	KR700935	KR700936	KR700937	KR700938	KR700939	KR700940	KR700941	KR700942	Watson et al 2015
A/swine/France/22-120340/2012	2012-10-09	H1 _{av} N1	1C.2.1	KR700927	KR700928	KR700929	KR700930	KR700931	KR700932	KR700933	KR700934	Watson et al 2015
A/swine/France/50-120350/2012	2012-10-10	H1 _{av} N1	1C.2.1	KR700919	KR700920	KR700921	KR700922	KR700923	KR700924	KR700925	KR700926	Watson et al 2015
A/swine/France/37-120345/2012	2012-10-18	H1 _{av} N2	1C.2.1	KR700959	KR700960	KR700961	KR700962	KR700963	KR700964	KR700965	KR700966	Watson et al 2015; Chastagner et al 2019
A/swine/France/22-120421/2012	2012-11-27	H1 _{av} N1	1C.2.1	-na-	-na-	-na-	KM267920	-na-	KP822957	-na-	-na-	This study

A/swine/France/22-120460/2012	2012-12-19	H1 _{av} N1	1C.2.1	-na-	-na-	-na-	KM267921	-na-	KP822958	-na-	-na-	This study
A/swine/France/35-130023/2013	2013-01-02	H1 _{hu} N2	1B.1.2.3 (Δ146-147)	KR700983	-na-	KR700984	KR700985	KR700986	KR700987	KR700988	KR700989	Watson et al 2015
A/swine/France/01-130054/2013	2013-01-22	H1 _{av} N1	1C.2.2	KR700975	KR700976	KR700977	KR700978	KR700979	KR700980	KR700981	KR700982	Watson et al 2015
A/swine/France/53-130065/2013	2013-01-23	H1 _{av} N1	1C.2.1	MT394924	MT394925	MT394926	MT394927	MT394928	MT394929	MT394930	MT394931	This study
A/swine/France/70-130144/2013	2013-03-27	H1 _{av} N1	1C.2.1	MT379355	MT379356	MT379357	MT379358	MT379359	MT379360	MT379361	MT379362	This study
A/swine/France/01-130145/2013	2013-04-09	H1 _{av} N1	1C.2.2	MT378595	MT378596	MT378597	MT378598	MT378599	MT378600	MT378601	MT378602	This study
A/swine/France/59-130174/2013	2013-04-15	H1 _{av} N1	1C.2.1	MT379195	MT379196	MT379197	MT379198	MT379199	MT379200	MT379201	MT379202	This study
A/swine/France/22-130212/2013	2013-06-05	H1 _{hu} N2	1B.1.2.3 (Δ146-147)	KM267908	KM267909	KM267910	KJ128323	KM267911	KJ128301	KM267912	KM267913	This study
A/swine/France/50-130337/2013	2013-09-17	H1 _{av} N1	1C.2.1	MT379043	MT379044	MT379045	MT379046	MT379047	MT379048	MT379049	MT379050	This study
A/swine/France/29-130398/2013	2013-10-24	H1 _{av} N1	1C.2.1 (A)	MT378571	MT378572	MT378573	MT378574	MT378575	MT378576	MT378577	MT378578	This study
A/swine/France/64-130454/2013	2013-12-19	H1 _{av} N1	1C.2.1	MT379323	MT379324	MT379325	MT379326	MT379327	MT379328	MT379329	MT379330	This study
A/swine/France/01-140489/2014	2014	H1 _{av} N1	1C.2.1 (B)	MT378563	MT378564	MT378565	MT378566	MT378567	MT378568	MT378569	MT378570	This study
A/swine/France/35-140041/2014	2014-01-14	H1 _{hu} N2	1B.1.2.3 (Δ146-147)	-na-	-na-	-na-	KM267933	-na-	KY241123	-na-	-na-	This study
A/swine/France/50-140056/2014	2014-01-27	H1 _{hu} N2	1B.1.2.3 (Δ146-147)	MT379051	MT379052	MT379053	MT379054	MT379055	MT379056	MT379057	MT379058	This study
A/swine/France/50-140058/2014	2014-01-28	H1 _{hu} N2	1B.1.2.3 (Δ146-147)	-na-	-na-	-na-	KY241126	-na-	KY241127	-na-	-na-	This study
A/swine/France/22-140062/2014	2014-02-04	H1 _{hu} N2	1B.1.2.3 (Δ146-147)	-na-	-na-	-na-	KY241128	-na-	KY241129	-na-	-na-	This study
A/swine/France/22-140075/2014	2014-02-20	H1 _{hu} N2	1B.1.2.3 (Δ146-147)	-na-	-na-	-na-	KY241130	-na-	KY241131	-na-	-na-	This study
A/swine/France/22-140102/2014	2014-02-28	H1 _{hu} N2	1B.1.2.3 (Δ146-147)	-na-	-na-	-na-	KY241132	-na-	KY241133	-na-	-na-	This study
A/swine/France/79-140150/2014	2014-03-11	H1 _{av} N1	1C.2.1	MT379387	MT379388	MT379389	MT379390	MT379391	MT379392	MT379393	MT379394	This study
A/swine/France/29-140221/2014	2014-04-17	H1 _{hu} N2	1B.1.2.3 (Δ146-147)	-na-	-na-	-na-	KY241134	-na-	KY241135	-na-	-na-	This study
A/swine/France/22-140256/2014	2014-05-07	H1 _{hu} N2	1B.1.2.3 (Δ146-147)	-na-	-na-	-na-	KY241136	-na-	KY241137	-na-	-na-	This study
A/swine/France/61-140350/2014	2014-06-04	H1 _{av} N2	1C.2.1	MT379291	MT379292	MT379293	MT379294	MT379295	MT379296	MT379297	MT379298	Chastagner et al 2019
A/swine/France/29-140342/2014	2014-06-05	H1 _{hu} N2	1B.1.2.3	MT378787	MT378788	MT378789	MT378790	MT378791	MT378792	MT378793	MT378794	This study
A/swine/France/64-140385/2014	2014-07-07	H1 _{av} N1	1C.2.1	MT379331	MT379332	MT379333	MT379334	MT379335	MT379336	MT379337	MT379338	This study
A/swine/France/56-140486/2014	2014-11-24	H1 _{hu} N2	1B.1.2.3 (Δ146-147)	-na-	-na-	-na-	KY241142	-na-	KY241143	-na-	-na-	This study
A/swine/France/22-140494/2014	2014-12-03	H1 _{hu} N2	1B.1.2.3 (Δ146-147)	-na-	-na-	-na-	KY241144	-na-	KY241145	-na-	-na-	This study
A/swine/France/22-140496/2014	2014-12-08	H1 _{hu} N2	1B.1.2.3 (Δ146-147)	-na-	-na-	-na-	KY241146	-na-	KY241147	-na-	-na-	This study
A/swine/France/22-140510/2014	2014-12-16	H1 _{hu} N2	1B.1.2.3 (Δ146-147)	-na-	-na-	-na-	KY241148	-na-	KY241149	-na-	-na-	This study
A/swine/France/89-150069/2015	2015-02-09	H1 _{av} N1	1C.2.2	MT379411	MT379412	MT379413	MT379414	MT379415	MT379416	MT379417	MT379418	This study
A/swine/France/56-150097/2015	2015-03-04	H1 _{hu} N2	1B.1.2.3 (Δ146-147)	-na-	-na-	-na-	KY241154	-na-	KU289597	-na-	-na-	This study
A/swine/France/64-150152/2015	2015-03-23	H1 _{av} N2	1C.2	MT378579	MT378580	MT378581	MT378582	MT378583	MT378584	MT378585	MT378586	This study
A/swine/France/44-150191/2015	2015-04-28	H1 _{av} N1	1C.2.1	-na-	-na-	-na-	KY241163	-na-	KU289594	-na-	-na-	This study
A/swine/France/05-150198/2015	2015-04-29	H1 _{av} N1	1C.2.1 (B)	MT378627	MT378628	MT378629	MT378630	MT378631	MT378632	MT378633	MT378634	This study
A/swine/France/61-150219/2015	2015-06-05	H1 _{av} N2	1C.2.1	MT379299	MT379300	MT379301	MT379302	MT379303	MT379304	MT379305	MT379306	This study

A/swine/France/65-150242/2015	2015-06-11	H1 _{av} N2	1C.2	MT379339	MT379340	MT379341	MT379342	MT379343	MT379344	MT379345	MT379346	This study
A/swine/France/22-150235/2015	2015-06-19	H1 _{hu} N2	1B.1.2.3 (Δ146-147)	-na-	-na-	-na-	KY241155	-na-	KU289591	-na-	-na-	This study
A/swine/France/53-150263/2015	2015-07-10	H1 _{av} N1	1C.2.1 (A)	-na-	-na-	-na-	KY241166	-na-	KU289595	-na-	-na-	This study
A/swine/France/35-150267/2015	2015-07-16	H1 _{av} N1	1C.2.1 (A)	-na-	-na-	-na-	KY241167	-na-	KU289593	-na-	-na-	This study
A/swine/France/22-150284/2015	2015-08-10	H1 _{hu} N2	1B.1.2.3 (Δ146-147)	-na-	-na-	-na-	KY241157	-na-	KY241158	-na-	-na-	This study
A/swine/France/56-150300/2015	2015-08-17	H1 _{av} N1	1C.2.1	-na-	-na-	-na-	KY241105	-na-	KY241106	-na-	-na-	This study
A/swine/France/62-150308/2015	2015-08-27	H1 _{av} N1	1C.2.1 (C)	MT379307	MT379308	MT379309	MT379310	MT379311	MT379312	MT379313	MT379314	This study
A/swine/France/53-150320/2015	2015-09-07	H1 _{av} N2	1C.2.1	-na-	-na-	-na-	KY241159	-na-	KU289596	-na-	-na-	This study
A/swine/France/72-150321/2015	2015-09-15	H1 _{av} N2	1C.2.1	MT379363	MT379364	MT379365	MT379366	MT379367	MT379368	MT379369	MT379370	This study
A/swine/France/29-150341/2015	2015-10-06	H1 _{av} N1	1C.2.1	MT378795	MT378796	MT378797	MT378798	MT378799	MT378800	MT378801	MT378802	This study
A/swine/France/22-150369/2015	2015-10-27	H1 _{hu} N2	1B.1.2.3	-na-	-na-	-na-	KY241108	-na-	KY241109	-na-	-na-	This study
A/swine/France/22-150368/2015	2015-10-28	H1 _{av} N1	1C.2.1 (A)	-na-	-na-	-na-	KY241095	-na-	KY241096	-na-	-na-	This study
A/swine/France/22-150384/2015	2015-11-02	H1 _{hu} N2	1B.1.2.3	MT378659	MT378660	MT378661	MT378662	MT378663	MT378664	MT378665	MT378666	This study
A/swine/France/29-150396/2015	2015-11-05	H1 _{av} N1	1C.2.1	-na-	-na-	-na-	KY241097	-na-	KY241098	-na-	-na-	This study
A/swine/France/35-150447/2015	2015-12-07	H1 _{av} N1	1C.2.1 (A)	-na-	-na-	-na-	KY241112	-na-	KY241113	-na-	-na-	This study
A/swine/France/22-160079/2016	2016-01-27	H1 _{av} N1	1C.2.1 (A)	KY364117	KY364118	KY364119	KY364120	KY364121	KY364122	KY364123	KY364124	This study
A/swine/France/29-160096/2016	2016-01-28	H1 _{hu} N2	1B.1.2.3	KY364125	KY364126	KY364127	KY364128	KY364129	KY364130	KY364131	KY364132	This study
A/swine/France/59-160078/2016	2016-01-28	H1 _{av} N2	1C.2.1 (C)	-na-	-na-	-na-	KY241161	-na-	KY241162	-na-	-na-	This study
A/swine/France/01-160099/2016	2016-02-03	H1 _{av} N1	1C.2.1 (B)	KY364109	KY364110	KY364111	KY364112	KY364113	KY364114	KY364115	KY364116	This study
A/swine/France/35-160126/2016	2016-02-25	H1 _{av} N1	1C.2.1	KY364133	KY364134	KY364135	KY364136	KY364137	KY364138	KY364139	KY364140	This study
A/swine/France/72-160154/2016	2016-03-24	H1 _{av} N1	1C.2.1 (A)	KY364157	KY364158	KY364159	KY364160	KY364161	KY364162	KY364163	KY364164	This study
A/swine/France/22-160150/2016	2016-03-24	H1 _{hu} N2	1B.1.2.3	KY364149	KY364150	KY364151	KY364152	KY364153	KY364154	KY364155	KY364156	This study
A/swine/France/37-160178/2016	2016-05-02	H1 _{av} N2	1C.2.1	KY364173	KY364174	KY364175	KY364176	KY364177	KY364178	KY364179	KY364180	Chastagner et al 2019
A/swine/France/35-160197/2016	2016-05-18	H1 _{av} N1	1C.2.1 (A)	MT378931	MT378932	MT378933	MT378934	MT378935	MT378936	MT378937	MT378938	This study
A/swine/France/35-160204/2016	2016-05-23	H1 _{hu} N2	1B.1.2.3 (Δ146-147)	MT378939	MT378940	MT378941	MT378942	MT378943	MT378944	MT378945	MT378946	This study
A/swine/France/59-160211/2016	2016-05-26	H1 _{hu} N2	1B.1.2.1	MT379203	MT379204	MT379205	MT379206	MT379207	MT379208	MT379209	MT379210	This study
A/swine/France/29-160215/2016	2016-06-07	H1 _{av} N1	1C.2.1	MT394932	MT394933	MT394934	MT394935	MT394936	MT394937	MT394938	MT394939	This study
A/swine/France/62-160229/2016	2016-06-13	H1 _{hu} N2	1B.1.2.1	MT379315	MT379316	MT379317	MT379318	MT379319	MT379320	MT379321	MT379322	This study
A/swine/France/29-160250/2016	2016-06-23	H1 _{av} N1	1C.2.1 (A)	MT378803	MT378804	MT378805	MT378806	MT378807	MT378808	MT378809	MT378810	This study
A/swine/France/29-160311/2016	2016-09-01	H1 _{av} N1	1C.2.1	MT378811	MT378812	MT378813	MT378814	MT378815	MT378816	MT378817	MT378818	This study
A/swine/France/59-160320/2016	2016-09-19	H1 _{hu} N2	1B.1.2.1	MT379211	MT379212	MT379213	MT379214	MT379215	MT379216	MT379217	MT379218	This study
A/swine/France/69-160337/2016	2016-09-28	H1 _{av} N1	1C.2.1 (B)	MT379347	MT379348	MT379349	MT379350	MT379351	MT379352	MT379353	MT379354	This study
A/swine/France/29-160352/2016	2016-09-28	H1 _{av} N1	1C.2.1	MT378819	MT378820	MT378821	MT378822	MT378823	MT378824	MT378825	MT378826	This study
A/swine/France/50-160358/2016	2016-10-12	H1 _{hu} N2	1B.1.2.3 (Δ146-147)	MT379059	MT379060	MT379061	MT379062	MT379063	MT379064	MT379065	MT379066	This study

A/swine/France/53-160350/2016	2016-10-12	H1 _{av} N1	1C.2.1 (A)	MT379083	MT379084	MT379085	MT379086	MT379087	MT379088	MT379089	MT379090	This study
A/swine/France/29-160400/2016	2016-11-15	H1 _{hu} N2	1B.1.2.3	MT378827	MT378828	MT378829	MT378830	MT378831	MT378832	MT378833	MT378834	This study
A/swine/France/35-160395/2016	2016-11-29	H1 _{av} N1	1C.2.1	MT378947	MT378948	MT378949	MT378950	MT378951	MT378952	MT378953	MT378954	This study
A/swine/France/29-170332/2017	2017	H1 _{hu} N2	1B.1.2.3	MT378891	MT378892	MT378893	MT378894	MT378895	MT378896	MT378897	MT378898	This study
A/swine/France/29-170039/2017	2017-01-19	H1 _{hu} N2	1B.1.2.3	MT378835	MT378836	MT378837	MT378838	MT378839	MT378840	MT378841	MT378842	This study
A/swine/France/59-170028/2017	2017-01-20	H1 _{av} N1	1C.2.1 (C)	MT379219	MT379220	MT379221	MT379222	MT379223	MT379224	MT379225	MT379226	This study
A/swine/France/22-170027/2017	2017-01-24	H1 _{av} N1	1C.2.1	MT378667	MT378668	MT378669	MT378670	MT378671	MT378672	MT378673	MT378674	This study
A/swine/France/59-170058/2017	2017-02-13	H1 _{hu} N2	1B.1.2.1	MT379227	MT379228	MT379229	MT379230	MT379231	MT379232	MT379233	MT379234	This study
A/swine/France/01-170070/2017	2017-02-27	H1 _{av} N1	1C.2.1 (B)	MT378603	MT378604	MT378605	MT378606	MT378607	MT378608	MT378609	MT378610	This study
A/swine/France/56-170084/2017	2017-03-14	H1 _{av} N1	1C.2.1 (A)	MT379107	MT379108	MT379109	MT379110	MT379111	MT379112	MT379113	MT379114	This study
A/swine/France/22-170089/2017	2017-03-22	H1 _{av} N1	1C.2.1 (A)	MT378675	MT378676	MT378677	MT378678	MT378679	MT378680	MT378681	MT378682	This study
A/swine/France/29-170091/2017	2017-03-22	H1 _{hu} N2	1B.1.2.3	MT378843	MT378844	MT378845	MT378846	MT378847	MT378848	MT378849	MT378850	This study
A/swine/France/29-170114/2017	2017-04-03	H1 _{av} N1	1C.2.1 (A)	MT378851	MT378852	MT378853	MT378854	MT378855	MT378856	MT378857	MT378858	This study
A/swine/France/59-170121/2017	2017-04-25	H1 _{av} N1	1C.2.1 (C)	MT379235	MT379236	MT379237	MT379238	MT379239	MT379240	MT379241	MT379242	This study
A/swine/France/53-170144/2017	2017-05-15	H1 _{av} N1	1C.2.1	MT379091	MT379092	MT379093	MT379094	MT379095	MT379096	MT379097	MT379098	This study
A/swine/France/56-170149/2017	2017-05-22	H1 _{av} N1	1C.2.1 (A)	MT379115	MT379116	MT379117	MT379118	MT379119	MT379120	MT379121	MT379122	This study
A/swine/France/56-170177/2017	2017-05-24	H1 _{av} N1	1C.2.1	MT379131	MT379132	MT379133	MT379134	MT379135	MT379136	MT379137	MT379138	This study
A/swine/France/24-170162/2017	2017-06-01	H1 _{av} N1	1C.2.1 (A)	MT378779	MT378780	MT378781	MT378782	MT378783	MT378784	MT378785	MT378786	This study
A/swine/France/56-170170/2017	2017-06-09	H1 _{hu} N2	1B.1.2.3 (Δ146-147)	MT379123	MT379124	MT379125	MT379126	MT379127	MT379128	MT379129	MT379130	This study
A/swine/France/29-170184/2017	2017-07-18	H1 _{hu} N2	1B.1.2.3	MT378859	MT378860	MT378861	MT378862	MT378863	MT378864	MT378865	MT378866	This study
A/swine/France/29-170198/2017	2017-07-26	H1 _{hu} N2	1B.1.2.3	MT378875	MT378876	MT378877	MT378878	MT378879	MT378880	MT378881	MT378882	This study
A/swine/France/29-170197/2017	2017-08-02	H1 _{av} N1	1C.2.1	MT378867	MT378868	MT378869	MT378870	MT378871	MT378872	MT378873	MT378874	This study
A/swine/France/22-170192/2017	2017-08-09	H1 _{av} N1	1C.2.1 (A)	MT378683	MT378684	MT378685	MT378686	MT378687	MT378688	MT378689	MT378690	This study
A/swine/France/56-170226/2017	2017-08-30	H1 _{av} N1	1C.2.1	MT379139	MT379140	MT379141	MT379142	MT379143	MT379144	MT379145	MT379146	This study
A/swine/France/35-170233/2017	2017-09-11	H1 _{av} N1	1C.2.1 (A)	MT378955	MT378956	MT378957	MT378958	MT378959	MT378960	MT378961	MT378962	This study
A/swine/France/59-170241/2017	2017-09-15	H1 _{av} N1	1C.2.1 (C)	MT379243	MT379244	MT379245	MT379246	MT379247	MT379248	MT379249	MT379250	This study
A/swine/France/35-170242/2017	2017-09-27	H1 _{hu} N2	1B.1.2.3 (Δ146-147)	MT378963	MT378964	MT378965	MT378966	MT378967	MT378968	MT378969	MT378970	This study
A/swine/France/56-170294/2017	2017-11-13	H1 _{av} N1	1C.2.1	MT379147	MT379148	MT379149	MT379150	MT379151	MT379152	MT379153	MT379154	This study
A/swine/France/22-170307/2017	2017-11-20	H1 _{av} N1	1C.2.1	MT378691	MT378692	MT378693	MT378694	MT378695	MT378696	MT378697	MT378698	This study
A/swine/France/29-170306/2017	2017-11-21	H1 _{av} N1	1C.2.1 (A)	MT378883	MT378884	MT378885	MT378886	MT378887	MT378888	MT378889	MT378890	This study
A/swine/France/50-170323/2017	2017-11-23	H1 _{av} N1	1C.2.1 (A)	MT379067	MT379068	MT379069	MT379070	MT379071	MT379072	MT379073	MT379074	This study
A/swine/France/22-170335/2017	2017-12-14	H1 _{hu} N2	1B.1.2.3	MT378699	MT378700	MT378701	MT378702	MT378703	MT378704	MT378705	MT378706	This study
A/swine/France/59-170345/2018	2017-12-19	H1 _{av} N1	1C.2.1 (C)	MT379251	MT379252	MT379253	MT379254	MT379255	MT379256	MT379257	MT379258	This study
A/swine/France/50-170342/2017	2017-12-20	H1 _{hu} N2	1B.1.2.3 (Δ146-147)	MT379075	MT379076	MT379077	MT379078	MT379079	MT379080	MT379081	MT379082	This study

A/swine/France/22-180018/2018	2018-01-02	H1 _{av} N1	1C.2.1	MT378723	MT378724	MT378725	MT378726	MT378727	MT378728	MT378729	MT378730	This study
A/swine/France/22-180008/2018	2018-01-03	H1 _{av} N1	1C.2.1	MT378707	MT378708	MT378709	MT378710	MT378711	MT378712	MT378713	MT378714	This study
A/swine/France/22-180017/2018	2018-01-11	H1 _{av} N1	1C.2.1 (A)	MT378715	MT378716	MT378717	MT378718	MT378719	MT378720	MT378721	MT378722	This study
A/swine/France/29-180023/2018	2018-01-12	H1 _{hu} N2	1B.1.2.3 **	MT378899	MT378900	MT378901	MT378902	MT378903	MT378904	MT378905	MT378906	This study
A/swine/France/01-180027/2018	2018-01-17	H1 _{av} N1	1C.2.1 (B)	MT378587	MT378588	MT378589	MT378590	MT378591	MT378592	MT378593	MT378594	This study
A/swine/France/29-180035/2018	2018-01-24	H1 _{av} N1	1C.2.1 (A)	MT378907	MT378908	MT378909	MT378910	MT378911	MT378912	MT378913	MT378914	This study
A/swine/France/72-180053/2018	2018-01-29	H1 _{av} N1	1C.2.1 (A)	MT379371	MT379372	MT379373	MT379374	MT379375	MT379376	MT379377	MT379378	This study
A/swine/France/22-180048/2018	2018-01-29	H1 _{hu} N2	1B.1.2.3	MT378731	MT378732	MT378733	MT378734	MT378735	MT378736	MT378737	MT378738	This study
A/swine/France/59-180117/2018	2018-02-13	H1 _{av} N1	1C.2.1 (C)	MT379259	MT379260	MT379261	MT379262	MT379263	MT379264	MT379265	MT379266	This study
A/swine/France/29-180124/2018	2018-02-26	H1 _{hu} N2	1B.1.2.3 (Δ146-147)	MT378915	MT378916	MT378917	MT378918	MT378919	MT378920	MT378921	MT378922	This study
A/swine/France/29-180140/2018	2018-03-13	H1 _{hu} N2	1B.1.2.3	MT378995	MT378996	MT378997	MT378998	MT378999	MT379000	MT379001	MT379002	This study
A/swine/France/22-180175/2018	2018-03-23	H1 _{hu} N2	1B.1.2.3	MT378739	MT378740	MT378741	MT378742	MT378743	MT378744	MT378745	MT378746	This study
A/swine/France/29-180202/2018	2018-04-08	H1 _{av} N1	1C.2.1	MT378923	MT378924	MT378925	MT378926	MT378927	MT378928	MT378929	MT378930	This study
A/swine/France/01-180255/2018	2018-05-02	H1 _{av} N1	1C.2.1 (B)	MT378611	MT378612	MT378613	MT378614	MT378615	MT378616	MT378617	MT378618	This study
A/swine/France/22-180254/2018	2018-05-14	H1 _{hu} N2	1B.1.2.3	MT378747	MT378748	MT378749	MT378750	MT378751	MT378752	MT378753	MT378754	This study
A/swine/France/01-180274/2018	2018-05-16	H1 _{av} N1	1C.2.1 (B)	MT378619	MT378620	MT378621	MT378622	MT378623	MT378624	MT378625	MT378626	This study
A/swine/France/22-180287/2018	2018-06-06	H1 _{hu} N2	1B.1.2.3	MT378755	MT378756	MT378757	MT378758	MT378759	MT378760	MT378761	MT378762	This study
A/swine/France/35-180318/2018	2018-06-18	H1 _{av} N1	1C.2.1	MT378971	MT378972	MT378973	MT378974	MT378975	MT378976	MT378977	MT378978	This study
A/swine/France/22-180323/2018	2018-06-28	H1 _{av} N1	1C.2.1	MT378763	MT378764	MT378765	MT378766	MT378767	MT378768	MT378769	MT378770	This study
A/swine/France/59-180334/2018	2018-07-10	H1 _{av} N1	1C.2.1 (C)	MT379283	MT379284	MT379285	MT379286	MT379287	MT379288	MT379289	MT379290	This study
A/swine/France/59-180359/2018	2018-08-10	H1 _{av} N1	1C.2.1 (C)	MT379267	MT379268	MT379269	MT379270	MT379271	MT379272	MT379273	MT379274	This study
A/swine/France/56-180360/2018	2018-08-13	H1 _{av} N1	1C.2.1	MT379155	MT379156	MT379157	MT379158	MT379159	MT379160	MT379161	MT379162	This study
A/swine/France/12-180371/2018	2018-09-03	H1 _{av} N1	1C.2.1 (A)	MT378635	MT378636	MT378637	MT378638	MT378639	MT378640	MT378641	MT378642	This study
A/swine/France/56-180406/2018	2018-10-01	H1 _{hu} N2	1B.1.2.3	MT379163	MT379164	MT379165	MT379166	MT379167	MT379168	MT379169	MT379170	This study
A/swine/France/49-180429/2018	2018-10-15	H1 _{av} N1	1C.2.1 (A)	MT379027	MT379028	MT379029	MT379030	MT379031	MT379032	MT379033	MT379034	This study
A/swine/France/56-180424/2018	2018-10-23	H1 _{av} N2	1C.2	MT379171	MT379172	MT379173	MT379174	MT379175	MT379176	MT379177	MT379178	This study
A/swine/France/35-180443/2018	2018-10-26	H1 _{hu} N2	1B.1.2.3 (Δ146-147)	MT378979	MT378980	MT378981	MT378982	MT378983	MT378984	MT378985	MT378986	This study
A/swine/France/72-180446/2018	2018-10-29	H1 _{av} N1	1C.2.1 (A)	MT379379	MT379380	MT379381	MT379382	MT379383	MT379384	MT379385	MT379386	This study
A/swine/France/22-180459/2018	2018-11-09	H1 _{hu} N2	1B.1.2.3	MT378771	MT378772	MT378773	MT378774	MT378775	MT378776	MT378777	MT378778	This study
A/swine/France/53-180462/2018	2018-11-12	H1 _{av} N1	1C.2.1 (A)	MT379099	MT379100	MT379101	MT379102	MT379103	MT379104	MT379105	MT379106	This study
A/swine/France/59-180465/2018	2018-11-13	H1 _{av} N1	1C.2.1 (C)	MT379275	MT379276	MT379277	MT379278	MT379279	MT379280	MT379281	MT379282	This study
A/swine/France/12-180474/2018	2018-11-14	H1 _{av} N1	1C.2.1 (A)	MT378643	MT378644	MT378645	MT378646	MT378647	MT378648	MT378649	MT378650	This study
A/swine/France/56-180472/2018	2018-11-16	H1 _{av} N1	1C.2.1 (A)	MT379187	MT379188	MT379189	MT379190	MT379191	MT379192	MT379193	MT379194	This study
A/swine/france/56-180470/2018	2018-11-22	H1 _{hu} N2	1B.1.2.3	MT379179	MT379180	MT379181	MT379182	MT379183	MT379184	MT379185	MT379186	This study

A/swine/France/16-180487/2018	2018-11-27	H1 _{av} N1	1C.2.1 (A)	MT378651	MT378652	MT378653	MT378654	MT378655	MT378656	MT378657	MT378658	This study
A/swine/France/44-180495/2018	2018-11-29	H1 _{av} N1	1C.2.1 (A)	MT379019	MT379020	MT379021	MT379022	MT379023	MT379024	MT379025	MT379026	This study
A/swine/France/35-190039/2018	2018-12-11	H1 _{av} N2	1C.2.1 (A)	MT378987	MT378988	MT378989	MT378990	MT378991	MT378992	MT378993	MT378994	This study
A/swine/France/86-180497/2018	2018-12-13	H1 _{av} N1	1C.2.1 (A)	MT379403	MT379404	MT379405	MT379406	MT379407	MT379408	MT379409	MT379410	This study

The asterisks indicates strains from clade HA-1B.1.2.3 harboring one (*) or two (**) amino acid deletions in position 146-147 in HA sequence but which did not clustered with strains of 1B.1.2.3 (Δ 146-147) group.

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