

Supplementary Table S2. Information from the GISAID EpiFlu database on hemagglutinin segments of the European viruses.

Segment ID	Country	Collecti on date	Isolate-ID	Isolate name	Originating Lab	Submitting Lab	Authors
EPI20149 53	Poland	2022- Feb-05	EPI_ISL_1192 2811	A/goose/Poland/H124_22VIR2515- 5/2022	National Veterinary Research Institute	Istituto Zooprofilattico Sperimentale delle Venezie	Swieton, E.; Smietanka, K.; Barbierato, G.; Zecchin, B.; Fusaro, A.; Schivo, A.; Salviato, A.; Palumbo, E.; Giussani, E.; Monne, I.; Terregino, C.
EPI19984 26	Spain	2022- Jan-26	EPI_ISL_1125 9319	A/goose/Spain/294-2_22VIR2142-9/2022	Laboratorio Central de Veterinaria	Istituto Zooprofilattico Sperimentale delle Venezie	Ruano, M.J.; Rocha, A.; Sanchez, A.; Agüero, M.; Barbierato, G.; Zecchin, B.; Fusaro, A.; Schivo, A.; Salviato, A.; Palumbo, E.; Giussani, E.; Monne, I.; Terregino, C.
EPI19984 18	Spain	2022- Jan-22	EPI_ISL_1125 9318	A/goose/Spain/239-1_22VIR2142-8/2022	Laboratorio Central de Veterinaria	Istituto Zooprofilattico Sperimentale delle Venezie	Ruano, M.J.; Rocha, A.; Sanchez, A.; Agüero, M.; Barbierato, G.; Zecchin, B.; Fusaro, A.; Schivo, A.; Salviato, A.; Palumbo, E.; Giussani, E.; Monne, I.; Terregino, C.
EPI19984 02	Spain	2022- Jan-14	EPI_ISL_1125 9316	A/goose/Spain/141-9_22VIR2142-6/2022	Laboratorio Central de Veterinaria	Istituto Zooprofilattico Sperimentale delle Venezie	Ruano, M.J.; Rocha, A.; Sanchez, A.; Agüero, M.; Barbierato, G.; Zecchin, B.; Fusaro, A.; Schivo, A.; Salviato, A.; Palumbo, E.; Giussani, E.; Monne, I.; Terregino, C.
EPI19983 94	Spain	2022- Jan-10	EPI_ISL_1125 9315	A/goose/Spain/88-3_22VIR2142-4/2022	Laboratorio Central de Veterinaria	Istituto Zooprofilattico Sperimentale delle Venezie	Ruano, M.J.; Rocha, A.; Sanchez, A.; Agüero, M.; Barbierato, G.; Zecchin, B.; Fusaro, A.; Schivo, A.; Salviato, A.; Palumbo, E.; Giussani, E.; Monne, I.; Terregino, C.
EPI19982 98	Spain	2022- Jan-07	EPI_ISL_1125 9303	A/goose/Spain/65-3_22VIR2142-2/2022	Laboratorio Central de Veterinaria	Istituto Zooprofilattico Sperimentale delle Venezie	Ruano, M.J.; Rocha, A.; Sanchez, A.; Agüero, M.; Barbierato, G.; Zecchin, B.; Fusaro, A.; Schivo, A.; Salviato, A.; Palumbo, E.; Giussani, E.; Monne, I.; Terregino, C.
EPI19981 62	Spain	2022- Feb-04	EPI_ISL_1125 9286	A/goose/Spain/512-2_22VIR2142- 13/2022	Laboratorio Central de Veterinaria	Istituto Zooprofilattico Sperimentale delle Venezie	Ruano, M.J.; Rocha, A.; Sanchez, A.; Agüero, M.; Barbierato, G.; Zecchin, B.; Fusaro, A.; Schivo, A.; Salviato, A.; Palumbo, E.; Giussani, E.; Monne, I.; Terregino, C.
EPI19981 46	Ireland	2022- Feb-14	EPI_ISL_1125 9284	A/goose/Ireland/3869_22VIR2064- 2/2022	Central Veterinary Research Laboratory	Istituto Zooprofilattico Sperimentale delle Venezie	Byrne, C.; Garcia, K.; Cuartero, L.G.; Barbierato, G.; Zecchin, B.; Fusaro, A.; Schivo, A.; Salviato, A.; Palumbo, E.; Giussani, E.; Monne, I.; Terregino, C.
EPI19689 21	France	2021- Dec-23	EPI_ISL_9377 021	A/goose/France/21P014207/2021	Anses (Ploufragan-Plouzané)	ANSES Agence Nationale De Securite Sanitaire De L'alimentation	NA
EPI19498 98	France	2021- Nov-25	EPI_ISL_8377 418	A/goose/France/21P013228/2021	Anses (Ploufragan-Plouzané)	ANSES Agence Nationale De Securite Sanitaire De L'alimentation	NA
EPI18489 34	United Kingdom	2021- Feb-10	EPI_ISL_1123 361	A/pheasant/Scotland/000348/2021	Animal and Plant Health Agency (APHA)	Animal and Plant Health Agency (APHA)	NA

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EPI19660 09	Belgium	2022- Jan-04	EPI_ISL_9162 331	A/Phasianus_colchicus/Belgium/294/202 2	Sciensano - Animal Infectious Diseases	Sciensano, Department of Animal Infectious Diseases	Van Borm, Steven; Roupie, Virginie; Lambrecht, Benedicte; Mathijs, Elisabeth; Steensels, Mieke
EPI20149 77	Poland	2022- Feb-17	EPI_ISL_1192 2814	A/swan/Poland/MB083_22VIR2515- 8/2022	National Veterinary Research Institute	Istituto Zooprofilattico Sperimentale delle Venezie	Swieton, E.; Smietanka, K.; Barbierato, G.; Zecchin, B.; Fusaro, A.; Schivo, A.; Salviato, A.; Palumbo, E.; Giussani, E.; Monne, I.; Terregino, C.
EPI20149 69	Poland	2022- Feb-10	EPI_ISL_1192 2813	A/swan/Poland/MB078_22VIR2515- 7/2022	National Veterinary Research Institute	Istituto Zooprofilattico Sperimentale delle Venezie	Swieton, E.; Smietanka, K.; Barbierato, G.; Zecchin, B.; Fusaro, A.; Schivo, A.; Salviato, A.; Palumbo, E.; Giussani, E.; Monne, I.; Terregino, C.
EPI19982 10	Spain	2021- Dec-22	EPI_ISL_1125 9292	A/swan/Spain/4087-1_22VIR2142- 1/2021	Laboratorio Central de Veterinaria	Istituto Zooprofilattico Sperimentale delle Venezie	Ruano, M.J.; Rocha, A.; Sanchez, A.; Agüero, M.; Barbierato, G.; Zecchin, B.; Fusaro, A.; Schivo, A.; Salviato, A.; Palumbo, E.; Giussani, E.; Monne, I.; Terregino, C.
EPI19951 24	Slovenia	2022- Jan-03	EPI_ISL_1100 7535	A/swan/Slovenia/13_22VIR777-8/2022	University of Ljubljana	Istituto Zooprofilattico Sperimentale delle Venezie	Slavec, B.; Ražnik, J.; Krapež, U.; Žlabravec, Z.; Ažko, J.; Cociancich, V.; Paller, T.; Vidrih, P.; Rojs, O.Z.; Arseniev, S.; Groza, O.; Barbierato, G.; Zecchin, B.; Fusaro, A.; Schivo, A.; Salviato, A.; Palumbo, E.; Giussani, E.; Monne, I.; Terregino, C.
EPI19951 08	Slovenia	2021- Dec-30	EPI_ISL_1100 7533	A/swan/Slovenia/2073_22VIR777- 6/2021	University of Ljubljana	Istituto Zooprofilattico Sperimentale delle Venezie	Slavec, B.; Ražnik, J.; Krapež, U.; Žlabravec, Z.; Ažko, J.; Cociancich, V.; Paller, T.; Vidrih, P.; Rojs, O.Z.; Arseniev, S.; Groza, O.; Barbierato, G.; Zecchin, B.; Fusaro, A.; Schivo, A.; Salviato, A.; Palumbo, E.; Giussani, E.; Monne, I.; Terregino, C.
EPI19951 00	Slovenia	2021- Dec-30	EPI_ISL_1100 7532	A/swan/Slovenia/2072_22VIR777- 5/2021	University of Ljubljana	Istituto Zooprofilattico Sperimentale delle Venezie	Slavec, B.; Ražnik, J.; Krapež, U.; Žlabravec, Z.; Ažko, J.; Cociancich, V.; Paller, T.; Vidrih, P.; Rojs, O.Z.; Arseniev, S.; Groza, O.; Barbierato, G.; Zecchin, B.; Fusaro, A.; Schivo, A.; Salviato, A.; Palumbo, E.; Giussani, E.; Monne, I.; Terregino, C.
EPI19950 92	Slovenia	2021- Dec-29	EPI_ISL_1100 7531	A/swan/Slovenia/2060_22VIR777- 4/2021	University of Ljubljana	Istituto Zooprofilattico Sperimentale delle Venezie	Slavec, B.; Ražnik, J.; Krapež, U.; Žlabravec, Z.; Ažko, J.; Cociancich, V.; Paller, T.; Vidrih, P.; Rojs, O.Z.; Arseniev, S.; Groza, O.; Barbierato, G.; Zecchin, B.; Fusaro, A.; Schivo, A.; Salviato, A.; Palumbo, E.; Giussani, E.; Monne, I.; Terregino, C.
EPI19950 84	Slovenia	2021- Dec-27	EPI_ISL_1100 7530	A/swan/Slovenia/2049_22VIR777- 3/2021	University of Ljubljana	Istituto Zooprofilattico Sperimentale delle Venezie	Slavec, B.; Ražnik, J.; Krapež, U.; Žlabravec, Z.; Ažko, J.; Cociancich, V.; Paller, T.; Vidrih, P.; Rojs, O.Z.; Arseniev, S.; Groza, O.; Barbierato, G.; Zecchin, B.; Fusaro, A.; Schivo, A.; Salviato, A.; Palumbo, E.; Giussani, E.; Monne, I.; Terregino, C.
EPI19950 76	Slovenia	2021- Dec-26	EPI_ISL_1100 7529	A/swan/Slovenia/2041_22VIR777- 2/2021	University of Ljubljana	Istituto Zooprofilattico Sperimentale delle Venezie	Slavec, B.; Ražnik, J.; Krapež, U.; Žlabravec, Z.; Ažko, J.; Cociancich, V.; Paller, T.; Vidrih, P.; Rojs, O.Z.; Arseniev, S.; Groza, O.; Barbierato, G.; Zecchin, B.; Fusaro, A.; Schivo, A.; Salviato, A.; Palumbo, E.; Giussani, E.; Monne, I.; Terregino, C.
EPI18400 56	United Kingdom	2020- Dec-03	EPI_ISL_7668 76	A/mute_swan/England/234255/2020	Animal and Plant Health Agency (APHA)	Animal and Plant Health Agency (APHA)	NA
EPI19638 97	United Kingdom	2021- Nov-09	EPI_ISL_9029 962	A/Whooper_swan/Scotland/056219/202 1	Animal and Plant Health Agency (APHA)	Animal and Plant Health Agency (APHA)	NA

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EPI19638 81	United Kingdom	2021- Nov-11	EPI_ISL_9029 960	A/mute_swan/England/385466/2021	Animal and Plant Health Agency (APHA)	Animal and Plant Health Agency (APHA)	NA
EPI19508 87	Romania	2021- Nov-26	EPI_ISL_8440 976	A/mute_swan/Romania/16790_21VIR11 355/2021	Institute for Diagnosis & Animal Health (IDAH)	Istituto Zooprofilattico Sperimentale Delle Venezie	Burlacu, R.; Neicut, A.; Onita, I.; Motiu, R.; Zecchin, B.; Fusaro, A.; Schivo, A.; Salviato, A.; Palumbo, E.; Milani, A.; Giussani, E.; Pastori, A.; Monne, I.; Terregino, C.
EPI19508 79	Romania	2021- Nov-11	EPI_ISL_8440 175	A/Cygnus_olor/Romania/16381_21VIR10 306/2021	Institute for Diagnosis & Animal Health (IDAH)	Istituto Zooprofilattico Sperimentale Delle Venezie	Burlacu, R.; Neicut, A.; Onita, I.; Motiu, R.; Zecchin, B.; Fusaro, A.; Schivo, A.; Salviato, A.; Palumbo, E.; Milani, A.; Giussani, E.; Pastori, A.; Monne, I.; Terregino, C.
EPI19376 71	Poland	2021- Nov-08	EPI_ISL_6937 114	A/mute_swan/Poland/MB490-L1/2021	National Veterinary Research Institut Poland, PIWet-PIB	National Veterinary Research Institut Poland, PIWet-PIB	E. Swieton, K. Smietanka
EPI19281 48	France	2021- Nov-08	EPI_ISL_6590 766	A/swan/France/21P012384/2021	Anses (Ploufragan-Plouzané)	ANSES Agence Nationale De Securite Sanitaire De L'alimentation	NA
EPI19241 23	United Kingdom	2021- Oct-24	EPI_ISL_5804 708	A/mute_swan/England/053054/2021	Animal and Plant Health Agency (APHA)	Animal and Plant Health Agency (APHA)	NA
EPI19983 62	Spain	2022- Feb-15	EPI_ISL_1125 9311	A/turkey/Spain/646-7_22VIR2142- 37/2022	Laboratorio Central de Veterinaria	Istituto Zooprofilattico Sperimentale delle Venezie	Ruano, M.J.; Rocha, A.; Sanchez, A.; Agüero, M.; Barbierato, G.; Zecchin, B.; Fusaro, A.; Schivo, A.; Salviato, A.; Palumbo, E.; Giussani, E.; Monne, I.; Terregino, C.
EPI19983 54	Spain	2022- Feb-15	EPI_ISL_1125 9310	A/turkey/Spain/645-1_22VIR2142- 36/2022	Laboratorio Central de Veterinaria	Istituto Zooprofilattico Sperimentale delle Venezie	Ruano, M.J.; Rocha, A.; Sanchez, A.; Agüero, M.; Barbierato, G.; Zecchin, B.; Fusaro, A.; Schivo, A.; Salviato, A.; Palumbo, E.; Giussani, E.; Monne, I.; Terregino, C.
EPI19983 22	Spain	2022- Feb-14	EPI_ISL_1125 9306	A/turkey/Spain/586-4_22VIR2142- 32/2022	Laboratorio Central de Veterinaria	Istituto Zooprofilattico Sperimentale delle Venezie	Ruano, M.J.; Rocha, A.; Sanchez, A.; Agüero, M.; Barbierato, G.; Zecchin, B.; Fusaro, A.; Schivo, A.; Salviato, A.; Palumbo, E.; Giussani, E.; Monne, I.; Terregino, C.
EPI19982 82	Spain	2022- Feb-09	EPI_ISL_1125 9301	A/turkey/Spain/540-26_22VIR2142- 28/2022	Laboratorio Central de Veterinaria	Istituto Zooprofilattico Sperimentale delle Venezie	Ruano, M.J.; Rocha, A.; Sanchez, A.; Agüero, M.; Barbierato, G.; Zecchin, B.; Fusaro, A.; Schivo, A.; Salviato, A.; Palumbo, E.; Giussani, E.; Monne, I.; Terregino, C.
EPI19982 74	Spain	2022- Feb-08	EPI_ISL_1125 9300	A/turkey/Spain/490-24_22VIR2142- 27/2022	Laboratorio Central de Veterinaria	Istituto Zooprofilattico Sperimentale delle Venezie	Ruano, M.J.; Rocha, A.; Sanchez, A.; Agüero, M.; Barbierato, G.; Zecchin, B.; Fusaro, A.; Schivo, A.; Salviato, A.; Palumbo, E.; Giussani, E.; Monne, I.; Terregino, C.
EPI19982 66	Spain	2022- Feb-08	EPI_ISL_1125 9299	A/turkey/Spain/490-22_22VIR2142- 26/2022	Laboratorio Central de Veterinaria	Istituto Zooprofilattico Sperimentale delle Venezie	Ruano, M.J.; Rocha, A.; Sanchez, A.; Agüero, M.; Barbierato, G.; Zecchin, B.; Fusaro, A.; Schivo, A.; Salviato, A.; Palumbo, E.; Giussani, E.; Monne, I.; Terregino, C.

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EPI19982 58	Spain	2022- Feb-08	EPI_ISL_1125 9298	A/turkey/Spain/489-21_22VIR2142- 25/2022	Laboratorio Central de Veterinaria	Istituto Zooprofilattico Sperimentale delle Venezie	Ruano, M.J.; Rocha, A.; Sanchez, A.; Agüero, M; Barbierato, G.; Zecchin, B.; Fusaro, A.; Schivo, A.; Salviato, A.; Palumbo, E.; Giussani, E.; Monne, I.; Terregino, C.
EPI19982 50	Spain	2022- Feb-06	EPI_ISL_1125 9297	A/turkey/Spain/455-96_22VIR2142- 24/2022	Laboratorio Central de Veterinaria	Istituto Zooprofilattico Sperimentale delle Venezie	Ruano, M.J.; Rocha, A.; Sanchez, A.; Agüero, M; Barbierato, G.; Zecchin, B.; Fusaro, A.; Schivo, A.; Salviato, A.; Palumbo, E.; Giussani, E.; Monne, I.; Terregino, C.
EPI19982 42	Spain	2022- Feb-06	EPI_ISL_1125 9296	A/turkey/Spain/455-83_22VIR2142- 23/2022	Laboratorio Central de Veterinaria	Istituto Zooprofilattico Sperimentale delle Venezie	Ruano, M.J.; Rocha, A.; Sanchez, A.; Agüero, M; Barbierato, G.; Zecchin, B.; Fusaro, A.; Schivo, A.; Salviato, A.; Palumbo, E.; Giussani, E.; Monne, I.; Terregino, C.
EPI19982 02	Spain	2022- Jan-15	EPI_ISL_1125 9291	A/turkey/Spain/140-38_22VIR2142- 19/2022	Laboratorio Central de Veterinaria	Istituto Zooprofilattico Sperimentale delle Venezie	Ruano, M.J.; Rocha, A.; Sanchez, A.; Agüero, M; Barbierato, G.; Zecchin, B.; Fusaro, A.; Schivo, A.; Salviato, A.; Palumbo, E.; Giussani, E.; Monne, I.; Terregino, C.
EPI19980 25	Ireland	2021- Nov-19	EPI_ISL_1125 9269	A/turkey/Ireland/033674_22VIR1325- 19/2021	Central Veterinary Research Laboratory	Istituto Zooprofilattico Sperimentale delle Venezie	Byrne, C.; Garcia, K.; Cuartero, L.G.; Barbierato, G.; Zecchin, B.; Fusaro, A.; Schivo, A.; Salviato, A.; Palumbo, E.; Giussani, E.; Monne, I.; Terregino, C.
EPI19980 09	Ireland	2021- Dec-06	EPI_ISL_1125 9267	A/turkey/Ireland/035425_22VIR1325- 17/2021	Central Veterinary Research Laboratory	Istituto Zooprofilattico Sperimentale delle Venezie	Byrne, C.; Garcia, K.; Cuartero, L.G.; Barbierato, G.; Zecchin, B.; Fusaro, A.; Schivo, A.; Salviato, A.; Palumbo, E.; Giussani, E.; Monne, I.; Terregino, C.
EPI19951 56	Bulgaria	2021- Nov-30	EPI_ISL_1100 7539	A/turkey/Bulgaria/755-1_22VIR778- 4/2021	NDRVMI (National Diagnostic and Research Veterinary Medical Institute)	Istituto Zooprofilattico Sperimentale delle Venezie	Goujgoulova, G.; Slavcheva, I.; Oreshkova, L.; Barbierato, G.; Zecchin, B.; Fusaro, A.; Schivo, A.; Salviato, A.; Palumbo, E.; Giussani, E.; Monne, I.; Terregino, C.
EPI19451 87	Germany	2021- Oct-20	EPI_ISL_7753 290	A/turkey/Germany-MV/AI06035/2021	Landesamt für Landwirtschaft, Lebensmittelsicherhe it und Fischerei (LALLF)	Friedrich-Loeffler- Institut	NA
EPI19438 44	Germany	2021- May-03	EPI_ISL_5146 481	A/turkey/Germany-NI/AI04425/2021	Lebensmittel- und Veterinärinstitut Oldenburg - Standort Veterinärinstitut	Friedrich-Loeffler- Institut	NA
EPI19438 45	Germany	2021- Apr-27	EPI_ISL_5146 292	A/turkey/Germany-NI/AI04373/2021	Lebensmittel- und Veterinärinstitut Oldenburg - Standort Veterinärinstitut	Friedrich-Loeffler- Institut	NA
EPI19438 57	Germany	2021- May-05	EPI_ISL_5145 223	A/turkey/Germany-NI/AI04455/2021	Lebensmittel- und Veterinärinstitut Oldenburg - Standort Veterinärinstitut	Friedrich-Loeffler- Institut	NA

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EPI19984 30	Ireland	2021- Dec-22	EPI_ISL_1126 0218	A/mute_swan/Ireland/037311_22VIR132 5-13/2021	Central Veterinary Research Laboratory	Istituto Zooprofilattico Sperimentale delle Venezie	Byrne, C.; Garcia, K.; Cuartero, L.G.; Barbierato, G.; Zecchin, B.; Fusaro, A.; Schivo, A.; Salviato, A.; Palumbo, E.; Giussani, E.; Monne, I.; Terregino, C.
EPI19984 10	Spain	2022- Jan-17	EPI_ISL_1125 9317	A/stork/Spain/234-2_22VIR2142-7/2022	Laboratorio Central de Veterinaria	Istituto Zooprofilattico Sperimentale delle Venezie	Ruano, M.J.; Rocha, A.; Sanchez, A.; Agüero, M.; Barbierato, G.; Zecchin, B.; Fusaro, A.; Schivo, A.; Salviato, A.; Palumbo, E.; Giussani, E.; Monne, I.; Terregino, C.
EPI19983 78	Spain	2022- Jan-11	EPI_ISL_1125 9313	A/gray_heron/Spain/88-2_22VIR2142- 3/2022	Laboratorio Central de Veterinaria	Istituto Zooprofilattico Sperimentale delle Venezie	Ruano, M.J.; Rocha, A.; Sanchez, A.; Agüero, M.; Barbierato, G.; Zecchin, B.; Fusaro, A.; Schivo, A.; Salviato, A.; Palumbo, E.; Giussani, E.; Monne, I.; Terregino, C.
EPI19981 94	Spain	2022- Feb-22	EPI_ISL_1125 9290	A/stork/Spain/729-1_22VIR2142- 18/2022	Laboratorio Central de Veterinaria	Istituto Zooprofilattico Sperimentale delle Venezie	Ruano, M.J.; Rocha, A.; Sanchez, A.; Agüero, M.; Barbierato, G.; Zecchin, B.; Fusaro, A.; Schivo, A.; Salviato, A.; Palumbo, E.; Giussani, E.; Monne, I.; Terregino, C.
EPI19981 86	Spain	2022- Feb-10	EPI_ISL_1125 9289	A/gray_heron/Spain/602-1_22VIR2142- 17/2022	Laboratorio Central de Veterinaria	Istituto Zooprofilattico Sperimentale delle Venezie	Ruano, M.J.; Rocha, A.; Sanchez, A.; Agüero, M.; Barbierato, G.; Zecchin, B.; Fusaro, A.; Schivo, A.; Salviato, A.; Palumbo, E.; Giussani, E.; Monne, I.; Terregino, C.
EPI19981 78	Spain	2022- Feb-14	EPI_ISL_1125 9288	A/common_crane/Spain/597- 2_22VIR2142-15/2022	Laboratorio Central de Veterinaria	Istituto Zooprofilattico Sperimentale delle Venezie	Ruano, M.J.; Rocha, A.; Sanchez, A.; Agüero, M.; Barbierato, G.; Zecchin, B.; Fusaro, A.; Schivo, A.; Salviato, A.; Palumbo, E.; Giussani, E.; Monne, I.; Terregino, C.
EPI19981 70	Spain	2022- Feb-03	EPI_ISL_1125 9287	A/stork/Spain/538-2_22VIR2142- 14/2022	Laboratorio Central de Veterinaria	Istituto Zooprofilattico Sperimentale delle Venezie	Ruano, M.J.; Rocha, A.; Sanchez, A.; Agüero, M.; Barbierato, G.; Zecchin, B.; Fusaro, A.; Schivo, A.; Salviato, A.; Palumbo, E.; Giussani, E.; Monne, I.; Terregino, C.
EPI19981 54	Spain	2022- Feb-03	EPI_ISL_1125 9285	A/stork/Spain/442-8_22VIR2142- 12/2022	Laboratorio Central de Veterinaria	Istituto Zooprofilattico Sperimentale delle Venezie	Ruano, M.J.; Rocha, A.; Sanchez, A.; Agüero, M.; Barbierato, G.; Zecchin, B.; Fusaro, A.; Schivo, A.; Salviato, A.; Palumbo, E.; Giussani, E.; Monne, I.; Terregino, C.
EPI19981 30	Ireland	2021- Nov-16	EPI_ISL_1125 9282	A/brent_goose/Ireland/033257_22VIR13 25-9/2021	Central Veterinary Research Laboratory	Istituto Zooprofilattico Sperimentale delle Venezie	Byrne, C.; Garcia, K.; Cuartero, L.G.; Barbierato, G.; Zecchin, B.; Fusaro, A.; Schivo, A.; Salviato, A.; Palumbo, E.; Giussani, E.; Monne, I.; Terregino, C.
EPI19981 22	Ireland	2021- Nov-15	EPI_ISL_1125 9281	A/white-fronted_goose/Ireland/033181_22VIR13 25-8/2021	Central Veterinary Research Laboratory	Istituto Zooprofilattico Sperimentale delle Venezie	Byrne, C.; Garcia, K.; Cuartero, L.G.; Barbierato, G.; Zecchin, B.; Fusaro, A.; Schivo, A.; Salviato, A.; Palumbo, E.; Giussani, E.; Monne, I.; Terregino, C.
EPI19981 14	Ireland	2021- Nov-15	EPI_ISL_1125 9280	A/greylag_goose/Ireland/033062_22VIR1 325-7/2021	Central Veterinary Research Laboratory	Istituto Zooprofilattico Sperimentale delle Venezie	Byrne, C.; Garcia, K.; Cuartero, L.G.; Barbierato, G.; Zecchin, B.; Fusaro, A.; Schivo, A.; Salviato, A.; Palumbo, E.; Giussani, E.; Monne, I.; Terregino, C.

Segment ID	Country	Collecti on date	Isolate-ID	Isolate name	Originating Lab	Submitting Lab	Authors
EPI19981 06	Ireland	2021- Nov-15	EPI_ISL_1125 9279	A/greylag_goose/Ireland/032969_22VIR1 325-6/2021	Central Veterinary Research Laboratory	Istituto Zooprofilattico Sperimentale delle Venezie	Byrne, C.; Garcia, K.; Cuartero, L.G.; Barbierato, G.; Zecchin, B.; Fusaro, A.; Schivo, A.; Salviato, A.; Palumbo, E.; Giussani, E.; Monne, I.; Terregino, C.
EPI19980 98	Ireland	2021- Nov-12	EPI_ISL_1125 9278	A/magpie/Ireland/032958_22VIR1325- 5/2021	Central Veterinary Research Laboratory	Istituto Zooprofilattico Sperimentale delle Venezie	Byrne, C.; Garcia, K.; Cuartero, L.G.; Barbierato, G.; Zecchin, B.; Fusaro, A.; Schivo, A.; Salviato, A.; Palumbo, E.; Giussani, E.; Monne, I.; Terregino, C.
EPI19980 90	Ireland	2021- Nov-12	EPI_ISL_1125 9277	A/whooper_swan/Ireland/032960_22VIR 1325-4/2021	Central Veterinary Research Laboratory	Istituto Zooprofilattico Sperimentale delle Venezie	Byrne, C.; Garcia, K.; Cuartero, L.G.; Barbierato, G.; Zecchin, B.; Fusaro, A.; Schivo, A.; Salviato, A.; Palumbo, E.; Giussani, E.; Monne, I.; Terregino, C.
EPI19980 82	Ireland	2021- Nov-10	EPI_ISL_1125 9276	A/peregrine_falcon/Ireland/032476_22V IR1325-3/2021	Central Veterinary Research Laboratory	Istituto Zooprofilattico Sperimentale delle Venezie	Byrne, C.; Garcia, K.; Cuartero, L.G.; Barbierato, G.; Zecchin, B.; Fusaro, A.; Schivo, A.; Salviato, A.; Palumbo, E.; Giussani, E.; Monne, I.; Terregino, C.
EPI19980 74	Ireland	2021- Nov-09	EPI_ISL_1125 9275	A/whooper_swan/Ireland/032444_22VIR 1325-2/2021	Central Veterinary Research Laboratory	Istituto Zooprofilattico Sperimentale delle Venezie	Byrne, C.; Garcia, K.; Cuartero, L.G.; Barbierato, G.; Zecchin, B.; Fusaro, A.; Schivo, A.; Salviato, A.; Palumbo, E.; Giussani, E.; Monne, I.; Terregino, C.
EPI19980 66	Ireland	2021- Nov-03	EPI_ISL_1125 9274	A/white- tailed_eagle/Ireland/032034_22VIR1325- 23/2021	Central Veterinary Research Laboratory	Istituto Zooprofilattico Sperimentale delle Venezie	Byrne, C.; Garcia, K.; Cuartero, L.G.; Barbierato, G.; Zecchin, B.; Fusaro, A.; Schivo, A.; Salviato, A.; Palumbo, E.; Giussani, E.; Monne, I.; Terregino, C.
EPI19980 50	Ireland	2021- Nov-29	EPI_ISL_1125 9272	A/layer/Ireland/034424_22VIR1325- 21/2021	Central Veterinary Research Laboratory	Istituto Zooprofilattico Sperimentale delle Venezie	Byrne, C.; Garcia, K.; Cuartero, L.G.; Barbierato, G.; Zecchin, B.; Fusaro, A.; Schivo, A.; Salviato, A.; Palumbo, E.; Giussani, E.; Monne, I.; Terregino, C.
EPI19980 33	Ireland	2021- Nov-08	EPI_ISL_1125 9270	A/mute_swan/Ireland/032363_22VIR132 5-1/2021	Central Veterinary Research Laboratory	Istituto Zooprofilattico Sperimentale delle Venezie	Byrne, C.; Garcia, K.; Cuartero, L.G.; Barbierato, G.; Zecchin, B.; Fusaro, A.; Schivo, A.; Salviato, A.; Palumbo, E.; Giussani, E.; Monne, I.; Terregino, C.
EPI19980 01	Ireland	2021- Nov-19	EPI_ISL_1125 9266	A/mute_swan/Ireland/033945_22VIR132 5-16/2021	Central Veterinary Research Laboratory	Istituto Zooprofilattico Sperimentale delle Venezie	Byrne, C.; Garcia, K.; Cuartero, L.G.; Barbierato, G.; Zecchin, B.; Fusaro, A.; Schivo, A.; Salviato, A.; Palumbo, E.; Giussani, E.; Monne, I.; Terregino, C.
EPI19979 93	Ireland	2022- Jan-05	EPI_ISL_1125 9265	A/peregrine_falcon/Ireland/000191_22V IR1325-15/2022	Central Veterinary Research Laboratory	Istituto Zooprofilattico Sperimentale delle Venezie	Byrne, C.; Garcia, K.; Cuartero, L.G.; Barbierato, G.; Zecchin, B.; Fusaro, A.; Schivo, A.; Salviato, A.; Palumbo, E.; Giussani, E.; Monne, I.; Terregino, C.
EPI19979 85	Ireland	2021- Nov-15	EPI_ISL_1125 9264	A/mute_swan/Ireland/033169_22VIR132 5-14/2021	Central Veterinary Research Laboratory	Istituto Zooprofilattico Sperimentale delle Venezie	Byrne, C.; Garcia, K.; Cuartero, L.G.; Barbierato, G.; Zecchin, B.; Fusaro, A.; Schivo, A.; Salviato, A.; Palumbo, E.; Giussani, E.; Monne, I.; Terregino, C.

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EPI19979 77	Ireland	2022- Jan-07	EPI_ISL_1125 9263	A/buzzard/Ireland/000656_22VIR1325- 12/2022	Central Veterinary Research Laboratory	Istituto Zooprofilattico Sperimentale delle Venezie	Byrne, C.; Garcia, K.; Cuartero, L.G.; Barbierato, G.; Zecchin, B.; Fusaro, A.; Schivo, A.; Salviato, A.; Palumbo, E.; Giussani, E.; Monne, I.; Terregino, C.
EPI19979 69	Ireland	2021- Dec-08	EPI_ISL_1125 9262	A/crow/Ireland/035624_22VIR1325- 11/2021	Central Veterinary Research Laboratory	Istituto Zooprofilattico Sperimentale delle Venezie	Byrne, C.; Garcia, K.; Cuartero, L.G.; Barbierato, G.; Zecchin, B.; Fusaro, A.; Schivo, A.; Salviato, A.; Palumbo, E.; Giussani, E.; Monne, I.; Terregino, C.
EPI19979 61	Ireland	2021- Nov-17	EPI_ISL_1125 9261	A/herring_gull/Ireland/033533_22VIR13 25-10/2021	Central Veterinary Research Laboratory	Istituto Zooprofilattico Sperimentale delle Venezie	Byrne, C.; Garcia, K.; Cuartero, L.G.; Barbierato, G.; Zecchin, B.; Fusaro, A.; Schivo, A.; Salviato, A.; Palumbo, E.; Giussani, E.; Monne, I.; Terregino, C.
EPI19952 36	Moldova, Republic of	2022- Jan-03	EPI_ISL_1100 7721	A/laying_hen/Moldova/68-2_22VIR638- 2/2022	Republican Center of Veterinary Diagnostics	Istituto Zooprofilattico Sperimentale delle Venezie	Arseniev, S.; Groza, O.; Barbierato, G.; Zecchin, B.; Fusaro, A.; Schivo, A.; Salviato, A.; Palumbo, E.; Giussani, E.; Monne, I.; Terregino, C.
EPI19951 72	Bulgaria	2021- Dec-02	EPI_ISL_1100 7541	A/hen/Bulgaria/757-6_22VIR778-7/2021	NDRVMI (National Diagnostic and Research Veterinary Medical Institute)	Istituto Zooprofilattico Sperimentale delle Venezie	Gougoulova, G.; Slavcheva, I.; Oreshkova, L.; Barbierato, G.; Zecchin, B.; Fusaro, A.; Schivo, A.; Salviato, A.; Palumbo, E.; Giussani, E.; Monne, I.; Terregino, C.
EPI19951 48	Bulgaria	2021- Nov-15	EPI_ISL_1100 7538	A/hen/Bulgaria/722-1_22VIR778-1/2021	NDRVMI (National Diagnostic and Research Veterinary Medical Institute)	Istituto Zooprofilattico Sperimentale delle Venezie	Gougoulova, G.; Slavcheva, I.; Oreshkova, L.; Barbierato, G.; Zecchin, B.; Fusaro, A.; Schivo, A.; Salviato, A.; Palumbo, E.; Giussani, E.; Monne, I.; Terregino, C.
EPI19951 40	Bulgaria	2021- Dec-29	EPI_ISL_1100 7537	A/hen/Bulgaria/854-1_22VIR778- 10/2021	NDRVMI (National Diagnostic and Research Veterinary Medical Institute)	Istituto Zooprofilattico Sperimentale delle Venezie	Gougoulova, G.; Slavcheva, I.; Oreshkova, L.; Barbierato, G.; Zecchin, B.; Fusaro, A.; Schivo, A.; Salviato, A.; Palumbo, E.; Giussani, E.; Monne, I.; Terregino, C.
EPI19951 16	Slovenia	2021- Dec-30	EPI_ISL_1100 7534	A/seagull/Slovenia/2075_22VIR777- 7/2021	University of Ljubljana	Istituto Zooprofilattico Sperimentale delle Venezie	Slavec, B.; Ra?nik, J.; Krape?, U.; ?labravec, Z.; A?ko, J.; Cociancich, V.; Paller, T.; Vidrih, ?.; Rojs, O.Z.; Arseniev, S.; Groza, O.; Barbierato, G.; Zecchin, B.; Fusaro, A.; Schivo, A.; Salviato, A.; Palumbo, E.; Giussani, E.; Monne, I.; Terregino, C.
EPI19950 68	Slovenia	2021- Dec-26	EPI_ISL_1100 7528	A/rooster/Slovenia/2039_22VIR777- 1/2021	University of Ljubljana	Istituto Zooprofilattico Sperimentale delle Venezie	Slavec, B.; Ra?nik, J.; Krape?, U.; ?labravec, Z.; A?ko, J.; Cociancich, V.; Paller, T.; Vidrih, ?.; Rojs, O.Z.; Arseniev, S.; Groza, O.; Barbierato, G.; Zecchin, B.; Fusaro, A.; Schivo, A.; Salviato, A.; Palumbo, E.; Giussani, E.; Monne, I.; Terregino, C.
EPI19950 60	Moldova, Republic of	2022- Jan-03	EPI_ISL_1100 7527	A/laying_hen/Moldova/68-1_22VIR638- 1/2022	Republican Center of Veterinary Diagnostics	Istituto Zooprofilattico Sperimentale delle Venezie	Arseniev, S.; Groza, O.; Barbierato, G.; Zecchin, B.; Fusaro, A.; Schivo, A.; Salviato, A.; Palumbo, E.; Giussani, E.; Monne, I.; Terregino, C.
EPI19498 82	France	2021- Dec-03	EPI_ISL_8377 254	A/egret/France/21P013418/2021	Anses (Ploufragan-Plouzané)	ANSES Agence Nationale De Securite Sanitaire De L'alimentation	NA
EPI19438 54	Germany	2021- Jul-17	EPI_ISL_5145 744	A/oystercatcher/Germany- NI/AI05047/2021	Lebensmittel- und Veterinärinstitut	Friedrich-Loeffler- Institut	NA

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					Oldenburg - Standort Veterinärinstitut		
EPI1998138	Ireland	2022-Feb-14	EPI_ISL_11259283	A/fox/Ireland/3866_22VIR2064-1/2022	Central Veterinary Research Laboratory	Istituto Zooprofilattico Sperimentale delle Venezie	Byrne, C.; Garcia, K.; Cuartero, L.G.; Barbierato, G.; Zecchin, B.; Fusaro, A.; Schivo, A.; Salviato, A.; Palumbo, E.; Giussani, E.; Monne, I.; Terregino, C.
EPI1945585	Estonia	2021-Nov-08	EPI_ISL_7778880	A/Red_fox/Estonia/TA2126820_21VIR10433-13/2021	Estonian Veterinary and Food Laboratory	Istituto Zooprofilattico Sperimentale Delle Venezie	Nurmoja, I.; Vilem, A.; Juurik, T.; Zecchin, B.; Fusaro, A.; Schivo, A.; Salviato, A.; Palumbo, E.; Milani, A.; Giussani, E.; Pastori, A.; Monne, I.; Terregino, C.
EPI1958565	United Kingdom	2021-Dec-26	EPI_ISL_8799552	A/England/215201407/2021	UK Health Security Agency - Colindale	UK Health Security Agency (UKHSA)	UKHSA, Respiratory Virus Unit
EPI1995045	Netherla nds	2022-Jan-29	EPI_ISL_10993196	A/Sanderling/Netherlands/1/2022	Erasmus Medical Center	Erasmus Medical Center	NA
EPI1995037	Netherla nds	2021-Nov-29	EPI_ISL_10993166	A/Mallard/Netherlands/8/2021	Erasmus Medical Center	Erasmus Medical Center	NA
EPI1995029	Netherla nds	2021-Nov-29	EPI_ISL_10993134	A/Mallard/Netherlands/7/2021	Erasmus Medical Center	Erasmus Medical Center	NA
EPI1995021	Netherla nds	2021-Nov-29	EPI_ISL_10993105	A/Mallard/Netherlands/6/2021	Erasmus Medical Center	Erasmus Medical Center	NA
EPI1995013	Netherla nds	2021-Nov-29	EPI_ISL_10993076	A/Mallard/Netherlands/5/2021	Erasmus Medical Center	Erasmus Medical Center	NA
EPI1995005	Netherla nds	2021-Nov-29	EPI_ISL_10993075	A/Mallard/Netherlands/4/2021	Erasmus Medical Center	Erasmus Medical Center	NA
EPI1994997	Netherla nds	2022-Feb-14	EPI_ISL_10993074	A/Mallard/Netherlands/2/2022	Erasmus Medical Center	Erasmus Medical Center	NA
EPI1994989	Netherla nds	2022-Feb-12	EPI_ISL_10992813	A/Mallard/Netherlands/1/2022	Erasmus Medical Center	Erasmus Medical Center	NA
EPI1966970	Netherla nds	2022-Jan-11	EPI_ISL_9261743	A/Oystercatcher/Netherlands/1/2022	Erasmus Medical Center	Erasmus Medical Center	NA
EPI1963368	Netherla nds	2021-Dec-27	EPI_ISL_9012580	A/Mallard/Netherlands/15/2021	Erasmus Medical Center	Erasmus Medical Center	NA
EPI1963360	Netherla nds	2021-Dec-27	EPI_ISL_9012578	A/Mallard/Netherlands/14/2021	Erasmus Medical Center	Erasmus Medical Center	NA
EPI1963352	Netherla nds	2021-Dec-27	EPI_ISL_9012577	A/Mallard/Netherlands/13/2021	Erasmus Medical Center	Erasmus Medical Center	NA
EPI1945291	Germany	2021-Oct-26	EPI_ISL_7753443	A/buzzard/Germany-SH/AI06210/2021	Landeslabor Schleswig-Holstein	Friedrich-Loeffler-Institut	NA
EPI1877873	Poland	2021-Apr-20	EPI_ISL_2681045	A/white_stork/Poland/MB391/2021	National Veterinary Research Institut Poland, PIWet-PIB	National Veterinary Research Institut Poland, PIWet-PIB	Edyta, Swieton; Kamila, Dziadek; Krzysztof, Smietanka
EPI2014961	Poland	2022-Jan-23	EPI_ISL_11922812	A/chicken/Poland/H071_22VIR2515-6/2022	National Veterinary Research Institute	Istituto Zooprofilattico	Swieton, E.; Smietanka, K.; Barbierato, G.; Zecchin, B.; Fusaro, A.; Schivo, A.; Salviato, A.; Palumbo, E.; Giussani, E.; Monne, I.; Terregino, C.

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						Sperimentale delle Venezie	
EPI20149 37	Poland	2022-Feb-18	EPI_ISL_1192 2809	A/chicken/Poland/H157_22VIR2515-3/2022	National Veterinary Research Institute	Istituto Zooprofilattico Sperimentale delle Venezie	Swieton, E.; Smietanka, K.; Barbierato, G.; Zecchin, B.; Fusaro, A.; Schivo, A.; Salviato, A.; Palumbo, E.; Giussani, E.; Monne, I.; Terregino, C.
EPI20099 51	Germany	2021-Nov-02	EPI_ISL_1172 5988	A/chicken/Germany-BB/AI06242/2021	Landeslabor Berlin-Brandenburg	Friedrich-Loeffler-Institut	NA
EPI20099 43	Germany	2021-Oct-29	EPI_ISL_1172 5962	A/chicken/Germany-BB/AI06219/2021	Landeslabor Berlin-Brandenburg	Friedrich-Loeffler-Institut	NA
EPI19983 70	Spain	2022-Feb-16	EPI_ISL_1125 9312	A/chicken/Spain/649-6_22VIR2142-38/2022	Laboratorio Central de Veterinaria	Istituto Zooprofilattico Sperimentale delle Venezie	Ruano, M.J.; Rocha, A.; Sanchez, A.; Agüero, M.; Barbierato, G.; Zecchin, B.; Fusaro, A.; Schivo, A.; Salviato, A.; Palumbo, E.; Giussani, E.; Monne, I.; Terregino, C.
EPI19983 46	Spain	2022-Feb-16	EPI_ISL_1125 9309	A/chicken/Spain/644-8_22VIR2142-35/2022	Laboratorio Central de Veterinaria	Istituto Zooprofilattico Sperimentale delle Venezie	Ruano, M.J.; Rocha, A.; Sanchez, A.; Agüero, M.; Barbierato, G.; Zecchin, B.; Fusaro, A.; Schivo, A.; Salviato, A.; Palumbo, E.; Giussani, E.; Monne, I.; Terregino, C.
EPI19983 38	Spain	2022-Feb-14	EPI_ISL_1125 9308	A/chicken/Spain/622-8_22VIR2142-34/2022	Laboratorio Central de Veterinaria	Istituto Zooprofilattico Sperimentale delle Venezie	Ruano, M.J.; Rocha, A.; Sanchez, A.; Agüero, M.; Barbierato, G.; Zecchin, B.; Fusaro, A.; Schivo, A.; Salviato, A.; Palumbo, E.; Giussani, E.; Monne, I.; Terregino, C.
EPI19983 30	Spain	2022-Feb-14	EPI_ISL_1125 9307	A/chicken/Spain/587-1_22VIR2142-33/2022	Laboratorio Central de Veterinaria	Istituto Zooprofilattico Sperimentale delle Venezie	Ruano, M.J.; Rocha, A.; Sanchez, A.; Agüero, M.; Barbierato, G.; Zecchin, B.; Fusaro, A.; Schivo, A.; Salviato, A.; Palumbo, E.; Giussani, E.; Monne, I.; Terregino, C.
EPI19983 14	Spain	2022-Feb-11	EPI_ISL_1125 9305	A/chicken/Spain/564-11_22VIR2142-31/2022	Laboratorio Central de Veterinaria	Istituto Zooprofilattico Sperimentale delle Venezie	Ruano, M.J.; Rocha, A.; Sanchez, A.; Agüero, M.; Barbierato, G.; Zecchin, B.; Fusaro, A.; Schivo, A.; Salviato, A.; Palumbo, E.; Giussani, E.; Monne, I.; Terregino, C.
EPI19983 06	Spain	2022-Feb-11	EPI_ISL_1125 9304	A/chicken/Spain/564-4_22VIR2142-30/2022	Laboratorio Central de Veterinaria	Istituto Zooprofilattico Sperimentale delle Venezie	Ruano, M.J.; Rocha, A.; Sanchez, A.; Agüero, M.; Barbierato, G.; Zecchin, B.; Fusaro, A.; Schivo, A.; Salviato, A.; Palumbo, E.; Giussani, E.; Monne, I.; Terregino, C.
EPI19982 90	Spain	2022-Feb-11	EPI_ISL_1125 9302	A/chicken/Spain/562-1_22VIR2142-29/2022	Laboratorio Central de Veterinaria	Istituto Zooprofilattico Sperimentale delle Venezie	Ruano, M.J.; Rocha, A.; Sanchez, A.; Agüero, M.; Barbierato, G.; Zecchin, B.; Fusaro, A.; Schivo, A.; Salviato, A.; Palumbo, E.; Giussani, E.; Monne, I.; Terregino, C.
EPI19982 34	Spain	2022-Feb-07	EPI_ISL_1125 9295	A/chicken/Spain/452-17_22VIR2142-22/2022	Laboratorio Central de Veterinaria	Istituto Zooprofilattico Sperimentale delle Venezie	Ruano, M.J.; Rocha, A.; Sanchez, A.; Agüero, M.; Barbierato, G.; Zecchin, B.; Fusaro, A.; Schivo, A.; Salviato, A.; Palumbo, E.; Giussani, E.; Monne, I.; Terregino, C.
EPI19982 26	Spain	2022-Feb-07	EPI_ISL_1125 9294	A/chicken/Spain/452-1_22VIR2142-21/2022	Laboratorio Central de Veterinaria	Istituto Zooprofilattico Sperimentale delle Venezie	Ruano, M.J.; Rocha, A.; Sanchez, A.; Agüero, M.; Barbierato, G.; Zecchin, B.; Fusaro, A.; Schivo, A.; Salviato, A.; Palumbo, E.; Giussani, E.; Monne, I.; Terregino, C.

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EPI19982 18	Spain	2022- Jan-31	EPI_ISL_1125 9293	A/chicken/Spain/340-37_22VIR2142- 20/2022	Laboratorio Central de Veterinaria	Istituto Zooprofilattico Sperimentale delle Venezie	Ruano, M.J.; Rocha, A.; Sanchez, A.; Agüero, M.; Barbierato, G.; Zecchin, B.; Fusaro, A.; Schivo, A.; Salviato, A.; Palumbo, E.; Giussani, E.; Monne, I.; Terregino, C.
EPI19980 42	Ireland	2021- Nov-22	EPI_ISL_1125 9271	A/broiler/Ireland/033734_22VIR1325- 20/2021	Central Veterinary Research Laboratory	Istituto Zooprofilattico Sperimentale delle Venezie	Byrne, C.; Garcia, K.; Cuartero, L.G.; Barbierato, G.; Zecchin, B.; Fusaro, A.; Schivo, A.; Salviato, A.; Palumbo, E.; Giussani, E.; Monne, I.; Terregino, C.
EPI19498 90	France	2021- Nov-25	EPI_ISL_8377 417	A/chicken/France/21P013076/2021	Anses (Ploufragan-Plouzané)	ANSES Agence Nationale De Securite Sanitaire De L'alimentation	NA
EPI19441 99	Germany	2021- Feb-23	EPI_ISL_5099 451	A/chicken/Germany-NI/AI01599/2021	Lebensmittel- und Veterinärinstitut Oldenburg - Standort Veterinärinstitut	Friedrich-Loeffler- Institut	NA
EPI19859 04	Netherla nds	2021- Oct-25	EPI_ISL_9856 775	A/chicken/Netherlands/21037287- 006010/2021	Wageningen Bioveterinary Research	Wageningen Bioveterinary Research	Beerens, Nancy; Harders, Frank; Pritz-Verschuren, Sylvia; Roose, Marit; Venema, Sandra; Germeraad, Evelien; Engelsma, Marc; Heutink, Rene; Luca, Bordes
EPI19652 37	Netherla nds	2022- Jan-22	EPI_ISL_9111 105	A/chicken/Netherlands/22001401- 001005/2022	Wageningen Bioveterinary Research	Wageningen Bioveterinary Research	Beerens, Nancy; Harders, Frank; Pritz-Verschuren, Sylvia; Roose, Marit; Venema, Sandra; Germeraad, Evelien; Engelsma, Marc; Heutink, Rene
EPI19232 52	Netherla nds	2021- Oct-22	EPI_ISL_5588 106	A/chicken/Netherlands/21037233- 001/2021	Wageningen Bioveterinary Research	Wageningen Bioveterinary Research	Beerens, Nancy; Harders, Frank; Pritz-Verschuren, Sylvia; Roose, Marit; Germeraad, Evelien; Engelsma, Marc; Heutink, Rene
EPI19232 44	Netherla nds	2021- Oct-25	EPI_ISL_5588 100	A/chicken/Netherlands/21037287- 006010/2021	Wageningen Bioveterinary Research	Wageningen Bioveterinary Research	Beerens, Nancy; Harders, Frank; Pritz-Verschuren, Sylvia; Roose, Marit; Germeraad, Evelien; Engelsma, Marc; Heutink, Rene
EPI18386 73	Netherla nds	2020- Dec-14	EPI_ISL_7110 55	A/chicken/Netherlands/20019879- 001005/2020	Wageningen Bioveterinary Research	Wageningen Bioveterinary Research	Beerens, Nancy; Harders, Frank; Pritz-Verschuren, Sylvia; Roose, Marit; Germeraad, Evelien; Engelsma, Marc; Bossers, Alex; Heutink, Rene
EPI20149 45	Poland	2022- Feb-08	EPI_ISL_1192 2810	A/duck/Poland/H126_22VIR2515-4/2022	National Veterinary Research Institute	Istituto Zooprofilattico Sperimentale delle Venezie	Swieton, E.; Smietanka, K.; Barbierato, G.; Zecchin, B.; Fusaro, A.; Schivo, A.; Salviato, A.; Palumbo, E.; Giussani, E.; Monne, I.; Terregino, C.
EPI20149 29	Poland	2022- Mar-02	EPI_ISL_1192 2808	A/duck/Poland/H188_22VIR2515-2/2022	National Veterinary Research Institute	Istituto Zooprofilattico Sperimentale delle Venezie	Swieton, E.; Smietanka, K.; Barbierato, G.; Zecchin, B.; Fusaro, A.; Schivo, A.; Salviato, A.; Palumbo, E.; Giussani, E.; Monne, I.; Terregino, C.
EPI19980 58	Ireland	2021- Dec-11	EPI_ISL_1125 9273	A/duck/Ireland/036105_22VIR1325- 22/2021	Central Veterinary Research Laboratory	Istituto Zooprofilattico Sperimentale delle Venezie	Byrne, C.; Garcia, K.; Cuartero, L.G.; Barbierato, G.; Zecchin, B.; Fusaro, A.; Schivo, A.; Salviato, A.; Palumbo, E.; Giussani, E.; Monne, I.; Terregino, C.
EPI19980 17	Ireland	2021- Dec-17	EPI_ISL_1125 9268	A/duck/Ireland/036646_22VIR1325- 18/2021	Central Veterinary Research Laboratory	Istituto Zooprofilattico	Byrne, C.; Garcia, K.; Cuartero, L.G.; Barbierato, G.; Zecchin, B.; Fusaro, A.; Schivo, A.; Salviato, A.; Palumbo, E.; Giussani, E.; Monne, I.; Terregino, C.

Segment ID	Country	Collecti on date	Isolate-ID	Isolate name	Originating Lab	Submitting Lab	Authors
						Sperimentale delle Venezie	
EPI19952 56	Bulgaria	2021- Dec-16	EPI_ISL_1100 9382	A/duck/Bulgaria/827-2_22VIR778- 8/2021	NDRVMI (National Diagnostic and Research Veterinary Medical Institute)	Istituto Zooprofilattico Sperimentale Delle Venezie	Goujgoulova, G.; Slavcheva, I.; Oreshkova, L.; Barbierato, G.; Zecchin, B.; Fusaro, A.; Schivo, A.; Salviato, A.; Palumbo, E.; Giussani, E.; Monne, I.; Terregino, C.
EPI19951 64	Bulgaria	2021- Dec-01	EPI_ISL_1100 7540	A/duck/Bulgaria/756-4_22VIR778- 6/2021	NDRVMI (National Diagnostic and Research Veterinary Medical Institute)	Istituto Zooprofilattico Sperimentale delle Venezie	Goujgoulova, G.; Slavcheva, I.; Oreshkova, L.; Barbierato, G.; Zecchin, B.; Fusaro, A.; Schivo, A.; Salviato, A.; Palumbo, E.; Giussani, E.; Monne, I.; Terregino, C.
EPI19451 63	Germany	2021- Oct-17	EPI_ISL_7753 230	A/mallard/Germany-NI/AI06010/2021	Lebensmittel- und Veterinärinstitut Oldenburg - Standort Veterinärinstitut	Friedrich-Loeffler- Institut	NA
EPI19638 73	United Kingdom	2021- Nov-18	EPI_ISL_9029 959	A/domestic_duck/England/058612/2021	Animal and Plant Health Agency (APHA)	Animal and Plant Health Agency (APHA)	NA
EPI19376 55	Poland	2021- Nov-07	EPI_ISL_6934 175	A/domestic_duck/Poland/H1942-N/2021	National Veterinary Research Institut Poland, PIWet-PIB	National Veterinary Research Institut Poland, PIWet-PIB	E. Swieton, K. Smietanka
EPI19542 57	Croatia	2021- Nov-22	EPI_ISL_8568 483	A/gadwall/Croatia/108/2021	Croatian Veterinary Institute, Poultry Centre	Croatian Veterinary Institute	Savić, Vladimir
EPI19638 89	United Kingdom	2021- Nov-01	EPI_ISL_9029 961	A/Canada_goose/England/385250/2021	Animal and Plant Health Agency (APHA)	Animal and Plant Health Agency (APHA)	NA
EPI19498 74	France	2021- Dec-15	EPI_ISL_8377 056	A/pelican/France/21P013720/2021	Anses (Ploufragan-Plouzané)	ANSES Agence Nationale De Securite Sanitaire De L'alimentation	NA
EPI19455 38	Finland	2021- Jun-01	EPI_ISL_7778 775	A/barnacle_goose/Finland/6955_21VIR7 689-9/2021	Finnish Food Authority	Istituto Zooprofilattico Sperimentale Delle Venezie	Tammiranta, N.; Kantala, T.; Laamanen, I.; Gadd, T.; Zecchin, B.; Fusaro, A.; Schivo, A.; Salviato, A.; Palumbo, E.; Milani, A.; Giussani, E.; Pastori, A.; Monne, I.; Terregino, C.
EPI19455 22	Finland	2021- May-01	EPI_ISL_7778 773	A/barnacle_goose/Finland/6247_21VIR7 689-6/2021	Finnish Food Authority	Istituto Zooprofilattico Sperimentale Delle Venezie	Tammiranta, N.; Kantala, T.; Laamanen, I.; Gadd, T.; Zecchin, B.; Fusaro, A.; Schivo, A.; Salviato, A.; Palumbo, E.; Milani, A.; Giussani, E.; Pastori, A.; Monne, I.; Terregino, C.
EPI19454 85	Finland	2021- Aug-01	EPI_ISL_7778 768	A/Eurasian_eagle-owl/Finland/10617_21VIR7689-15/2021	Finnish Food Authority	Istituto Zooprofilattico Sperimentale Delle Venezie	Tammiranta, N.; Kantala, T.; Laamanen, I.; Gadd, T.; Zecchin, B.; Fusaro, A.; Schivo, A.; Salviato, A.; Palumbo, E.; Milani, A.; Giussani, E.; Pastori, A.; Monne, I.; Terregino, C.
EPI19454 69	Finland	2021- Aug-01	EPI_ISL_7778 766	A/European_herring_gull/Finland/9722_ 21VIR7689-13/2021	Finnish Food Authority	Istituto Zooprofilattico	Tammiranta, N.; Kantala, T.; Laamanen, I.; Gadd, T.; Zecchin, B.; Fusaro, A.; Schivo, A.; Salviato, A.; Palumbo, E.; Milani, A.; Giussani, E.; Pastori, A.; Monne, I.; Terregino, C.

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						Sperimentale Delle Venezie	
EPI19454 61	Finland	2021-Jul-01	EPI_ISL_7778 765	A/golden_eagle/Finland/9378_21VIR768 9-12/2021	Finnish Food Authority	Istituto Zooprofilattico Sperimentale Delle Venezie	Tamiranta, N.; Kantala, T.; Laamanen, I.; Gadd, T.; Zecchin, B.; Fusaro, A.; Schivo, A.; Salviato, A.; Palumbo, E.; Milani, A.; Giussani, E.; Pastori, A.; Monne, I.; Terregino, C.
EPI19454 45	Finland	2021-Jun-01	EPI_ISL_7778 763	A/white-tailed_eagle/Finland/6984_21VIR7689-10/2021	Finnish Food Authority	Istituto Zooprofilattico Sperimentale Delle Venezie	Tamiranta, N.; Kantala, T.; Laamanen, I.; Gadd, T.; Zecchin, B.; Fusaro, A.; Schivo, A.; Salviato, A.; Palumbo, E.; Milani, A.; Giussani, E.; Pastori, A.; Monne, I.; Terregino, C.
EPI19453 89	Estonia	2021-Jun-02	EPI_ISL_7778 756	A/gull/Estonia/TA2113284-4_21VIR7512-8/2021	Estonian Veterinary and Food Laboratory	Istituto Zooprofilattico Sperimentale Delle Venezie	Nurmoja, I.; Vilem, A.; Juurik, T.; Zecchin, B.; Fusaro, A.; Schivo, A.; Salviato, A.; Palumbo, E.; Milani, A.; Giussani, E.; Pastori, A.; Monne, I.; Terregino, C.
EPI19453 81	Estonia	2021-May-16	EPI_ISL_7778 755	A/white-tailed_eagle/Estonia/TA2111864-2_21VIR7512-6/2021	Estonian Veterinary and Food Laboratory	Istituto Zooprofilattico Sperimentale Delle Venezie	Nurmoja, I.; Vilem, A.; Juurik, T.; Zecchin, B.; Fusaro, A.; Schivo, A.; Salviato, A.; Palumbo, E.; Milani, A.; Giussani, E.; Pastori, A.; Monne, I.; Terregino, C.
EPI19453 73	Estonia	2021-Oct-12	EPI_ISL_7778 754	A/Withe-tiled_eagle/Estonia/TA2124126-1_21VIR10433-11/2021	Estonian Veterinary and Food Laboratory	Istituto Zooprofilattico Sperimentale Delle Venezie	Nurmoja, I.; Vilem, A.; Juurik, T.; Zecchin, B.; Fusaro, A.; Schivo, A.; Salviato, A.; Palumbo, E.; Milani, A.; Giussani, E.; Pastori, A.; Monne, I.; Terregino, C.
EPI19889 77	Belgium	2022-Jan-23	EPI_ISL_1057 6444	A/Anser_anser/Belgium/1809_0002/202 2	Sciensano - Animal Infectious Diseases	Sciensano, Department of Animal Infectious Diseases	Van Borm, Steven; Roupie, Virginie; Lambrecht, Benedicte; Mathijs, Elisabeth; Steensels, Mieke
EPI19301 58	Belgium	2021-Nov-04	EPI_ISL_6761 101	A/Branta_leucopsis/Belgium/14735_000 1/2021	Sciensano - Animal Infectious Diseases	Sciensano, Department of Animal Infectious Diseases	Van Borm, Steven; Roupie, Virginie; Lambrecht, Benedicte; Mathijs, Elisabeth; Steensels, Mieke
EPI19660 01	Belgium	2021-Dec-27	EPI_ISL_9161 618	A/Gallus_gallus/Belgium/17100_0001/20 21	Sciensano - Animal Infectious Diseases	Sciensano, Department of Animal Infectious Diseases	Van Borm, Steven; Roupie, Virginie; Lambrecht, Benedicte; Mathijs, Elisabeth; Steensels, Mieke
EPI19638 57	United Kingdom	2021-Nov-14	EPI_ISL_9029 956	A/chicken/England/057314/2021	Animal and Plant Health Agency (APHA)	Animal and Plant Health Agency (APHA)	NA
EPI19630 40	Russian Federatio n	2021-Dec-13	EPI_ISL_9009 317	A/chicken/Rostov-on-Don/159-7V/2021	State Research Center of Virology and Biotechnology (VECTOR)	State Research Center of Virology and Biotechnology (VECTOR)	NA
EPI19630 32	Russian Federatio n	2021-Dec-13	EPI_ISL_9009 309	A/chicken/Rostov-on-Don/159-6V/2021	State Research Center of Virology and Biotechnology (VECTOR)	State Research Center of Virology and	NA

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						Biotechnology (VECTOR)	
EPI1963024	Russian Federation	2021-Dec-13	EPI_ISL_9009304	A/chicken/Rostov-on-Don/159-5V/2021	State Research Center of Virology and Biotechnology (VECTOR)	State Research Center of Virology and Biotechnology (VECTOR)	NA
EPI1963016	Russian Federation	2021-Dec-13	EPI_ISL_9009303	A/chicken/Rostov-on-Don/159-4V/2021	State Research Center of Virology and Biotechnology (VECTOR)	State Research Center of Virology and Biotechnology (VECTOR)	NA
EPI1963008	Russian Federation	2021-Dec-13	EPI_ISL_9009302	A/chicken/Rostov-on-Don/159-3V/2021	State Research Center of Virology and Biotechnology (VECTOR)	State Research Center of Virology and Biotechnology (VECTOR)	NA
EPI1963000	Russian Federation	2021-Dec-13	EPI_ISL_9009297	A/chicken/Rostov-on-Don/159-2V/2021	State Research Center of Virology and Biotechnology (VECTOR)	State Research Center of Virology and Biotechnology (VECTOR)	NA
EPI1962992	Russian Federation	2021-Dec-13	EPI_ISL_9009296	A/chicken/Rostov-on-Don/159-1V/2021	State Research Center of Virology and Biotechnology (VECTOR)	State Research Center of Virology and Biotechnology (VECTOR)	NA
EPI1962984	Russian Federation	2021-Dec-02	EPI_ISL_9009294	A/chicken/Stavropol/146-1V/2021	State Research Center of Virology and Biotechnology (VECTOR)	State Research Center of Virology and Biotechnology (VECTOR)	NA
EPI1962976	Russian Federation	2021-Nov-27	EPI_ISL_9009292	A/chicken/Kursk/132-1V/2021	State Research Center of Virology and Biotechnology (VECTOR)	State Research Center of Virology and Biotechnology (VECTOR)	NA
EPI1962968	Russian Federation	2021-Nov-27	EPI_ISL_9009291	A/chicken/Kursk/132-1V/2021	Center of Hygiene and Epidemiology in Kursk Oblast	State Research Center of Virology and Biotechnology (VECTOR)	NA
EPI1951309	Czech Republic	2021-Nov-25	EPI_ISL_8515480	A/chicken/Czech_Republic/23404/2021	State Veterinary Institute Prague	State Veterinary Institute Prague	Alexander,Nagy;Lenka,Cernikova;Martina,Stara
EPI1946086	Belgium	2021-Dec-06	EPI_ISL_7880696	A/Gallus_gallus/Belgium/15977/2021	Sciensano - Animal Infectious Diseases	Sciensano, Department of	Van Borm, Steven; Roupie, Virginie; Lambrecht, Benedicte; Mathijs, Elisabeth; Steensels, Mieke

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						Animal Infectious Diseases	
EPI1946078	Belgium	2021-Dec-07	EPI_ISL_7880689	A/Gallus_gallus/Belgium/16070_003/2021	Sciensano - Animal Infectious Diseases	Sciensano, Department of Animal Infectious Diseases	Van Borm, Steven; Roupie, Virginie; Lambrecht, Benedicte; Mathijs, Elisabeth; Steensels, Mieke
EPI1942186	Sweden	2021-Nov-30	EPI_ISL_7452805	A/Chicken/Sweden/SVA211130SZ0427/FB290424-IP-1/M-2021	National Veterinary Institute, SVA	National Veterinary Institute	NA
EPI1937647	Poland	2021-Nov-05	EPI_ISL_6931288	A/chicken/Poland/H1940-N/2021	National Veterinary Research Institut Poland, PIWet-PIB	National Veterinary Research Institut Poland, PIWet-PIB	E. Swieton, K. Smietanka
EPI1937639	Poland	2021-Nov-03	EPI_ISL_6931008	A/domestic_goose/Poland/H1931-T1/2021	National Veterinary Research Institut Poland, PIWet-PIB	National Veterinary Research Institut Poland, PIWet-PIB	E. Swieton, K. Smietanka
EPI1951301	Czech Republic	2021-Nov-18	EPI_ISL_8515479	A/goose/Czech_Republic/22608-2/2021	State Veterinary Institute Prague	State Veterinary Institute Prague	Alexander,Nagy;Lenka,Cernikova;Martina,Stara
EPI1951293	Czech Republic	2021-Nov-18	EPI_ISL_8515478	A/goose/Czech_Republic/22608-1/2021	State Veterinary Institute Prague	State Veterinary Institute Prague	Alexander,Nagy;Lenka,Cernikova;Martina,Stara
EPI1942304	Croatia	2021-Nov-18	EPI_ISL_7570634	A/goose/Croatia/107/2021	Croatian Veterinary Institute, Poultry Centre	Croatian Veterinary Institute	Savić, Vladimir
EPI1965994	Belgium	2021-Nov-21	EPI_ISL_9160206	A/Anser_albifrons/Belgium/15465_0010/2021	Sciensano - Animal Infectious Diseases	Sciensano, Department of Animal Infectious Diseases	Van Borm, Steven; Roupie, Virginie; Lambrecht, Benedicte; Mathijs, Elisabeth; Steensels, Mieke
EPI1963865	United Kingdom	2021-Nov-16	EPI_ISL_9029957	A/turkey/England/057679/2021	Animal and Plant Health Agency (APHA)	Animal and Plant Health Agency (APHA)	NA
EPI1959924	United Kingdom	2021-Nov-10	EPI_ISL_8814195	A/turkey/England/056764/2021	Animal and Plant Health Agency (APHA)	Animal and Plant Health Agency (APHA)	NA
EPI1959914	United Kingdom	2021-Nov-06	EPI_ISL_8814146	A/turkey/England/055251/2021	Animal and Plant Health Agency (APHA)	Animal and Plant Health Agency (APHA)	NA
EPI1949326	Sweden	2021-Dec-12	EPI_ISL_8338002	A/Turkey/Sweden/SVA211212SZ0001/FB301013-IP-2/M-2021	National Veterinary Institute, SVA	National Veterinary Institute	'Siamak, Zohari'
EPI1937663	Poland	2021-Nov-08	EPI_ISL_6935584	A/turkey/Poland/H1944-N/2021	National Veterinary Research Institut Poland, PIWet-PIB	National Veterinary Research Institut Poland, PIWet-PIB	E. Swieton, K. Smietanka

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EPI19376 31	Poland	2021- Nov-03	EPI_ISL_6930 564	A/turkey/Poland/H1924-T1/2021	National Veterinary Research Institut Poland, PIWet-PIB	National Veterinary Research Institut Poland, PIWet-PIB	E. Swieton, K. Smietanka
EPI19376 23	Poland	2021- Nov-02	EPI_ISL_6930 238	A/turkey/Poland/H1913-T1/2021	National Veterinary Research Institut Poland, PIWet-PIB	National Veterinary Research Institut Poland, PIWet-PIB	E. Swieton, K. Smietanka
EPI19376 15	Poland	2021- Nov-01	EPI_ISL_6929 970	A/turkey/Poland/H1911-N/2021	National Veterinary Research Institut Poland, PIWet-PIB	National Veterinary Research Institut Poland, PIWet-PIB	E. Swieton, K. Smietanka
EPI19376 07	Poland	2021- Nov-01	EPI_ISL_6929 958	A/turkey/Poland/H1910-T3/2021	National Veterinary Research Institut Poland, PIWet-PIB	National Veterinary Research Institut Poland, PIWet-PIB	E. Swieton, K. Smietanka

*All submitters of data can be contacted directly through the GISAID website (<https://www.gisaid.org>); NA: not available.